Starling Madison Lofquist, Inc.
Consulting Structural and Forensic Engineers
3600 E University Dr, Suite 1400, Phoenix, AZ 85034
tel: (602) 438-2500 fax: (602) 438-2505 www.smleng.com

Tamarack Solar
288 F Street
Arcata, CA 95521

November 17, 2023

Attn: Mr. David Katz

Subject: Tamarack 1.6 Rail - Roof Flush Mount System
Structural Analysis

SML Job No.: 174-18

Dear Mr. Katz:

We have analyzed the Tamarack 1.6 Rail for its use in supporting photovoltaic (PV) panels flush mount on enclosed or partially enclosed building roofs and determined that, for the configurations and criteria described below, it is in compliance with the applicable sections of the following reference documents:

Code/References:

- International Building Code 2018 & 2021 Editions
- International Residential Building Code 2018 & 2021 Editions
- ASCE/SEI 7-16 Min. Design Loads for Buildings & Other Structures
- Aluminum Design Manual, ADM-2015 & 2020 Editions

This letter is to address the use and allowable loads for the Tamarack 1.6 Rail Flush Mount System.

Tamarack Solar Products™ – Tamarack 1.6 Rail Flush Mount System

- The testing data provided by Tamarack Solar, dated February 19th, 2019, was performed at the Tamarack facilities and tests were third party observed on site by Starling Madison Lofquist, Inc. (SML) The failure modes for the tests are as follows:
  - Mid and end clamps - aluminum base material ultimate rupture failure with ADM safety factor of 1.95 applied.
  - Rail adapter - aluminum base material ultimate rupture failure with ADM safety factor of 1.95 applied.
  - Rail splice - proof loaded to 2.0 times design load with no residual deformation after load removed.
- We have also reviewed testing data provided by Tamarack Solar, dated October 29th, 2020, which was performed at the Tamarack facilities under SML direction. The failure criteria was rail permanent deformation, which was determined by removing the target load and measuring resultant deformation. The failure mode was rail yielding at permanent deformation onset. Maximum allowable values for these failure conditions were derived using a safety factor of 1.65 per ADM for aluminum yielding failure.

The Tamarack 1.6 Rail Flush Mount System is comprised of a 6000 series extruded aluminum section with an overall depth of 1.65 in. and a net area of 0.356sq.in. The rails are used to support solar PV modules, typically, on the roof of a building. See Exhibit FM-D01 through FM-D03. The PV modules are attached to the rails by the Tamarack mounting clamps as shown in the attached Exhibits. The rails are mounted with a small clearance (flush mounting) and are installed at same slope as the underlying roof structure. The Tamarack Rail Mount Adapter locks the rail to a 3rd party roof mount, such as a tile hook or L-Foot. The 3rd party roof mounting hardware and its attachment to the roof framing are not within the scope of this letter and should be reviewed and approved by others.

The following conversion chart has been created to help clarify the ASCE 7-16 roof zones, which vary from gable to hip and for various roof pitches, while also keeping the spacing tables in as simple a form as possible.

Conversion Chart - SML Table Roof Areas to ASCE 7-16 Roof Zones

Roof Type	Roof Slopes, (deg)	Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16	Effective Wind Area and GCp Range for Leeward Wind, (ft^2)		Effective Wind Area and GCp Range for Windward Wind, (ft^2)	
Gable Roof	0 to 7	1	1`, 1	10 to 500	-1.7 to -1	10 to 100	0.3 to 0.2
		2	2	10 to 500	-2.3 to -1.4	10 to 100	0.3 to 0.2
		3	3	10 to 500	-3.2 to -1.4	10 to 100	0.3 to 0.2
	7 to 20	1	1, 2e	20 to 100	-2 to -0.5	2 to 100	0.7 to 0.3
		2	2n, 2r, 3e	10 to 250	-3 to -1	2 to 100	0.7 to 0.3
		3	3r	10 to 100	-3.6 to -1.8	2 to 100	0.7 to 0.3
	20 to 27	1	1, 2e	20 to 300	-1.5 to -0.8	2 to 100	0.7 to 0.3
		2	2n, 2r, 3e	10 to 150	-2.5 to -1.2	2 to 100	0.7 to 0.3
		3	3r	4 to 50	-3.6 to -1.8	2 to 100	0.7 to 0.3
	27 to 45	1	1, 2e, 2r	10 to 100	-1.8 to -0.8	10 to 100	0.9 to 0.5
		2	2n, 3r	10 to 200	-2 to -1	10 to 100	0.9 to 0.5
		3	3e	2 to 300	-3.2 to -1	10 to 100	0.9 to 0.5
Hip Roof	0 to 7	NA	NA	NA	NA	NA	NA
	7 to 20	1	1	20 to 100	-1.8 to -1	10 to 100	0.7 to 0.3
		2	2r	10 to 200	-2.4 to -1.3	10 to 100	0.7 to 0.3
		3	2e, 3	10 to 200	-2.6 to -1.4	10 to 100	0.7 to 0.3
	20 to 27	1	1	10 to 100	-1.4 to -0.8	10 to 100	0.7 to 0.3
		2	2e, 2r, 3	10 to 200	-2 to -1	10 to 100	0.7 to 0.3
		3	NA	NA	NA	NA	NA
	27 to 45	1	1	10 to 200	-1.5 to -0.7	3 to 100	0.9 to 0.3
		2	2e, 2r	7 to 100	-2.8 to -1	3 to 100	0.9 to 0.3
		3	3	5 to 50	-3.6 to -1	3 to 100	0.9 to 0.3

For each ASCE figure 30.3-2A to 30.3-2H (See Appendix pages following span tables, which each have up to six (6) roof zones, we have converted those to three (3) "Roof Areas" based on their GCp value.) The GCp value ranges shown below have been reduced where applicable based on ASCE 7-16 procedures and effective tributary areas for each component evaluated.

The tables following this letter show the maximum allowable spans for the Tamarack 1.6 Rail Flush Mount System for each associated wind speed, wind exposure category, roof/panel angle, roof area, array zone and ground snow load for gable and hip roofs in the landscape and portrait orientations for 30-foot maximum mean roof heights.

This letter only addresses the maximum spans of the Tamarack 1.6 Rail Flush Mount System. Please see the applicable manufacturer's roof mount installation manual and span tables for the maximum
mount spans and other limits to their use. The lesser of these tables and the roof mount tables shall control the installed spacing of the mounts and spans of the rails.

Table Index Hyperlinked Below:

Landscape:

- **Gable – Panel Width = 40in**
- **Hip – Panel Width = 40in**
- **Gable – Panel Width = 45in**
- **Hip – Panel Width = 45in**

Portrait:

- **Gable – Panel Length = 68in**
- **Hip – Panel Length = 68in**
- **Gable – Panel Length = 80in**
- **Hip – Panel Length = 80in**
- **Gable – Panel Length = 96in**
- **Hip – Panel Length = 96in**

There are two "Landscape" sizes, 40in and 45in and these dimensions indicate the width of your PV panel or the upslope dimension to determine which table you need to use. There are three "Portrait" sizes, 68in, 80in and 96in. These dimensions indicate the length of your PV panel or the upslope dimension to determine which table you need to use.

It is acceptable to use alternate size panels and to adjust the allowable spans when the actual upslope tributary dimension fall between those shown in the tables by **linearly interpolating** between table values using the following formula, with the exception that linear interpolation cannot accurately be done where any table value is 74 inches as this value has likely been truncated from a higher value. $Y = Y1 + (Y2 - Y1) / (X2 – X1) * (X – X1)$; where

Landscape or Portrait:
Y = "New Span"; Y1 = "Span from Table Corresponding to X1";
Y2 = "Span from Table Corresponding to X2";
X = "Actual Upslope Tributary Dimension to Rail"; X1 = "Rail Trib from Table Corresponding to Y1"; X2 = "Rail Trib from Table Corresponding to Y2"

Also note that linear interpolation can be done using any of the Gable Tables or Hip Tables, but these cannot be combined. IE. linear interpolation using Gable Landscape and/or Gable Portrait

or Hip Landscape and/or Hip Portrait is acceptable, but any combination of Gable and Hip tables is not allowed.

Linear Interpolation Example – Gable Roof using Landscape or Portrait

Example Givens:

- 68"x 42" module
- 120 MPH wind speed
- wind exposure 'C'
- ground snow load 10 psf
- 6:12 roof pitch (26.6 degrees)
- exposed panels
- roof zone 3
- Landscape
    - Actual upslope panel dimension X = 42 inches; using the gable tables with the next lower and higher tributary dimension
- X1 = 40"
- X2 = 45"
- Y1 = 50"
- Y2 = 47"

→ Y = 50" + (47" – 50") / (45" – 40") * (42" – 40") = 48.8" (Interpolated Span)

The following link is a tool that may help: https://x-engineer.org/linear-interpolation-extrapolation-calculator/.

Table Notes for Gable & Hip Roof Tables – Tabulated values are based on the following criteria:

1. Building mean roof height = 30 ft maximum; Risk Category = II.
2. Solar panel & rail dead load = approximately 2.5 psf.
3. ASCE 7-16; The assumed topography is flat with a K_{zt} = 1.0
4. ground elevation factor (K_e) = 1.0
5. γ_E = edge array factor, has been taken as 1.5 for Exposed and 1.0 for Non-Exposed spans as defined in ASCE 7-16 section 29.4.4.
6. γa = solar panel pressure equalization factor, has been reduced from 0.65 based CCP, inc. report 14467 dated April 30, 2020, and the array area tributary to each component evaluated.
7. The snow load stated on the tables is ground snow load and has been reduced as allowed within the building code. If the local jurisdiction governing the installation specifies a minimum roof snow load it shall be converted to a ground snow load following the local building code and any applicable amendments prior to application of the attached tables. No special snow conditions are considered within the tables including unbalanced, drifting, sliding, retention, ponding snow, or rain-on snow surcharge loading. Span tables do not apply to buildings which are intentionally kept below freezing, just above freezing or unheated.
8. PV panels must be supported per the manufacturer's required orientation, location and/or spacing, with the rails in the across roof slope direction. Verification of PV module capacity to support the loads associated with the given array shall be the responsibility of the Contractor or Owner and not Tamarack Solar or Starling Madison Lofquist, Inc.
9. PV panel must comply with mechanical load requirements of UL 1703 OR 2703.
10. Sheathing shall be free of defects including, but not limited to water damage and delamination and must be evaluated by the project Engineer of Record (EOR).
11. Roof rafters or trusses spaced at 24" on center maximum and must be evaluated by the project EOR for structural integrity and capacity as required by the governing jurisdiction.
12. These values do not include any additional increases or load factors, and it is up to the end user to determine any increases permissible by the code.
13. Connection of the rail to the roof structure is the responsibility of the end user and is excluded from this letter. SML takes no liability for connections of the rail to the roof by others.

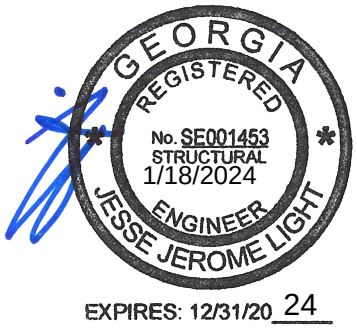
Our analysis assumes that the connections and associated hardware are installed in a workmanlike manner in accordance with the Tamarack Solar Products™ – Tamarack 1.6 Rail Flush Mount System installation manual and generally accepted standards of construction practice.

It is the responsibility of the contractor to verify that the strength of the roof framing meets the minimum properties used in the tests and can safely support the maximum imposed loads stated within this document.

Starling Madison Lofquist, Inc. and Tamarack Solar Products™ assume no liability beyond what is specifically shown in this letter. Additional information is available at the Tamarack Solar Products™ web site, https://tamaracksolar.com/

Please feel free to contact me at your convenience if you have any questions.

Respectfully yours,



Jesse Light, S.E., P.E.
Principal / President / Sr. Structural Engineer

Scott Hill, P.E.
Professional Licensed Engineer

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	68	58	49	64	55	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	58	74	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	67	58	49	64	54	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	57	74	66	55	71	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	70	64	74	65	59	74	61	55	70	57	52	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	62	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	70	64	74	65	59	74	60	55	70	57	51	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	61	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	73	66	74	70	64	74	65	59	74	60	55	70	56	51	65	53	48	62	50	46	58	47	43
				Exposed	74	74	71	74	74	68	74	71	64	74	67	61	74	64	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45			
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	71	64	74	68	61	74	65	58	74	62	56	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
	B	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45			
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	64	74	67	61	74	65	58	74	62	55	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	73	69	61	69	65	57	65	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	53	50	43	50	47	40			
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	52	50	43	50	47	40			
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40			
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	55	53	45	52	50	43			
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	64	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	53	45	52	50	43			
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	73	65	72	68	60	68	64	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	52	45	52	50	42	49	47	40
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	74	62	74	71	60	74	68	57	74	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	74	74	64	74	73	61	74	69	58	74	66	55	74	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	68	74	74	65	74	74	62	74	71	59	74	68	57	74	63	53	68	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	74	74	64	74	72	61	74	69	58	74	65	55	73	62	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	53	67	54	50	62	51	46	58	47	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	62	57	73	59	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	67	74	70	63	74	67	60	74	64	58	74	60	53	72	56	49	68	52	45	64	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
0	C	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	66	74	70	63	74	67	60	74	64	58	74	60	53	72	55	49	67	52	45	63	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	64	70	67	59	66	62	54	61	58	50	58	55	47	54	52	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	74	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	70	66	58	65	62	54	61	58	50	58	55	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	68	74	72	64	73	69	61	69	66	58	66	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		Flat	0	Non-Exposed	74	74	73	74	74	69	74	74	66	74	74	62	74	71	60	74	68	57	74	65	55	73	62	52	68	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	74	74	73	74	74	69	74	74	65	74	74	62	74	71	59	74	68	57	74	65	55	73	62	52	67	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	50	67	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	74	74	68	74	71	65	74	67	61	74	64	58	74	61	56	73	59	53	70	56	51	67	54	49	62	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	74	61	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	59	53	69	56	51	67	54	49	62	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	58	53	69	56	51	66	54	49	61	50	45	57	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	54	50	64	52	47	61	50	45	58	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	64	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	60	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	33	47	36	0	45	0	0	42	0	0
	D	6:12	26.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	59	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	69	60	70	66	58	65	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	66	74	70	62	70	67	59	67	64	56	64	61	53	61	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	67	58	67	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	61	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	73	65	74	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	68	58	49	64	55	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	58	74	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	67	58	49	64	54	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	57	74	66	55	71	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	70	64	74	65	59	74	61	55	70	57	52	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	62	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	70	64	74	65	59	74	60	55	70	57	51	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	61	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	73	66	74	70	64	74	65	59	74	60	55	70	56	51	65	53	48	62	50	46	58	47	43
				Exposed	74	74	71	74	74	68	74	71	64	74	67	61	74	64	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45			
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	71	64	74	68	61	74	65	58	74	62	56	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
	B	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45			
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	64	74	67	61	74	65	58	74	62	55	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	73	69	61	69	65	57	65	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	53	50	43	50	47	40			
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	52	50	43	50	47	40			
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40			
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	56	53	45	52	50	43			
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	52	50	43			
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	55	53	45	52	50	43			
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	74	62	74	71	60	74	68	57	74	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	74	74	64	74	73	61	74	69	58	74	66	55	74	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	68	74	74	65	74	74	62	74	71	59	74	68	57	74	63	53	68	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	74	74	64	74	72	61	74	69	58	74	65	55	73	62	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	53	67	54	50	62	51	46	58	47	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	62	57	73	59	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	67	74	70	63	74	67	60	74	64	58	74	60	53	72	56	49	68	52	45	64	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
5	C	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	66	74	70	63	74	67	60	74	64	58	74	60	53	72	55	49	67	52	45	63	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	64	70	67	59	66	62	54	61	58	50	58	55	47	54	52	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	74	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	70	66	58	65	62	54	61	58	50	58	55	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	71	74	74	68	74	72	64	73	69	61	69	66	58	66	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		Flat	0	Non-Exposed	74	74	73	74	74	69	74	74	66	74	74	62	74	71	60	74	68	57	74	65	55	73	62	52	68	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	74	74	73	74	74	69	74	74	65	74	74	62	74	71	59	74	68	57	74	65	55	73	62	52	67	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	50	67	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	74	74	68	74	71	65	74	67	61	74	64	58	74	61	56	73	59	53	70	56	51	67	54	49	62	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	74	61	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	59	53	69	56	51	67	54	49	62	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	58	53	69	56	51	66	54	49	61	50	45	57	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	54	50	64	52	47	61	50	45	58	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	64	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	60	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	33	47	36	0	45	0	0	42	0	0
	D	6:12	26.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	59	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	69	60	70	66	58	65	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	66	74	70	62	70	67	59	67	64	56	64	61	53	61	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	67	58	67	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	67	58	67	63	55	64	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	61	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	73	65	74	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	68	58	49	64	55	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	58	74	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	67	58	49	64	54	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	57	74	66	55	71	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	70	64	74	65	59	74	61	55	70	57	52	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	62	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	70	64	74	65	59	74	60	55	70	57	51	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	61	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	73	66	74	70	64	74	65	59	74	60	55	70	56	51	65	53	48	62	50	46	58	47	43
				Exposed	74	74	71	74	74	68	74	71	64	74	67	61	74	64	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45			
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	71	64	74	68	61	74	65	58	74	62	56	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45			
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	64	74	67	61	74	65	58	74	62	55	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	73	69	61	69	65	57	65	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	53	50	43	50	47	40			
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	52	50	43	50	47	40			
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40			
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40			
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	60	68	64	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40			
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	73	65	72	68	60	68	64	57	64	61	53	61	58	50						
				Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	52	45	52	50	42	49	47	40			
	C	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	74	62	74	71	60	74	68	57	74	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	74	74	64	74	73	61	74	69	58	74	66	55	74	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	68	74	74	65	74	74	62	74	71	59	74	68	57	74	63	53	68	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	74	74	64	74	72	61	74	69	58	74	65	55	73	62	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	53	67	54	50	62	51	46	58	47	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	62	57	73	59	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	67	74	70	63	74	67	60	74	64	58	74	60	53	72	56	49	68	52	45	64	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
10		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	66	74	70	63	74	67	60	74	64	58	74	60	53	72	55	49	67	52	45	63	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	64	70	67	59	66	62	54	61	58	50	58	55	47	54	52	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	74	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	70	66	58	65	62	54	61	58	50	58	55	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	68	74	72	64	73	69	61	69	66	58	66	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	D	Flat	0	Non-Exposed	74	74	73	74	74	69	74	74	66	74	74	62	74	71	60	74	68	57	74	65	55	73	62	52	68	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	74	74	73	74	74	69	74	74	65	74	74	62	74	71	59	74	68	57	74	65	55	73	62	52	67	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	50	67	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	74	74	68	74	71	65	74	67	61	74	64	58	74	61	56	73	59	53	70	56	51	67	54	49	62	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	74	61	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	59	53	69	56	51	67	54	49	62	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	58	53	69	56	51	66	54	49	61	50	45	57	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	54	50	64	52	47	61	50	45	58	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	64	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	60	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	33	47	36	0	45	0	0	42	0	0
		6:12	26.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	59	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	69	60	70	66	58	65	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	66	74	70	62	70	67	59	67	64	56	64	61	53	61	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	71	63	73	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	67	58	67	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	61	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	73	65	74	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	68	58	49	64	55	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	58	74	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	67	58	49	64	54	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	57	74	66	55	71	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	70	64	74	65	59	74	61	55	70	57	52	66	53	48	62	50	46	58	47	43
				Exposed	74	74	72	74	74	68	74	71	65	74	68	62	74	65	59	74	62	56	73	59	54	70	57	52	65	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	69	72	72	66	72	70	64	72	65	59	72	60	55	70	57	51	66	53	48	62	50	46	58	47	43
				Exposed	72	72	72	72	72	68	72	71	65	72	68	61	72	65	59	72	62	56	72	59	54	70	57	52	65	53	48	60	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	73	66	74	70	64	74	65	59	74	60	55	70	56	51	65	53	48	62	50	46	58	47	43
				Exposed	74	74	71	74	74	68	74	71	64	74	67	61	74	64	59	74	62	56	73	59	54	70	57	52	65	53	48	60	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	71	64	74	68	61	74	65	58	74	62	56	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	71	64	74	66	59	74	62	55	74	58	51	71	55	48	67	52	45
				Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	64	74	67	61	74	65	58	74	62	55	74	58	51	70	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	73	73	65	71	69	61	69	65	57	65	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	53	50	43	50	47	40
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	65	72	69	61	68	65	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	68	64	56	63	60	52	59	56	49	56	53	45	52	50	43	50	47	40
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	65	73	69	61	68	65	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	73	65	73	69	60	68	64	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40			
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	73	65	72	68	60	68	64	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	52	45	52	50	42	49	47	40
	C	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	74	62	74	71	60	74	68	57	74	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	74	74	64	74	73	61	74	69	58	74	66	55	74	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	68	74	74	65	74	74	62	74	71	59	74	68	57	74	63	53	68	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	74	74	64	74	72	61	74	69	58	74	65	55	73	62	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	63	57	74	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	72	72	72	72	72	70	72	72	67	72	70	64	72	67	61	72	64	58	72	61	56	72	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	72	66	60	72	63	57	72	60	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	70	74	74	67	74	70	64	74	67	61	74	64	58	74	61	56	73	59	53	67	54	50	62	51	46	58	47	43	55	45	41	52	42	38	49	40	36
				Exposed	74	66	60	74	62	57	73	59	54	70	57	52	67	54	49	64	52	47	61	50	45	59	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	67	74	70	63	74	67	60	74	64	58	74	60	53	72	56	49	68	52	45	64	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	73	66	74	70	63	74	67	60	74	64	58	74	60	53	72	55	49	67	52	45	63	49	42	60	46	40	57	44	37
				Exposed	74	72	66	74	68	62	74	65	58	74	62	55	74	59	53	74	57	50	71	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	73	73	66	72	72	64	70	67	59	66	62	54	61	58	50	58	55	47	54	52	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	74	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	73	72	63	70	66	58	65	62	54	61	58	50	58	55	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	71	63	73	73	66	72	72	64	70	67	59	66	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	72	74	74	68	74	73	64	73	69	61	70	66	58	67	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	71	63	73	73	66	72	72	64	70	67	59	66	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	68	74	72	64	73	69	61	69	66	58	66	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	69	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	D	Flat	0	Non-Exposed	74	74	73	74	74	69	74	74	66	74	74	62	74	71	60	74	68	57	74	65	55	73	62	52	68	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	74	74	73	74	74	69	74	74	65	74	74	62	74	71	59	74	68	57	74	65	55	73	62	52	67	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	50	67	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	74	74	68	74	71	65	74	67	61	74	64	58	74	61	56	73	59	53	70	56	51	67	54	49	62	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	74	61	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	72	72	68	72	71	64	72	67	61	72	64	58	72	61	56	72	59	53	69	56	51	67	54	49	62	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	72	60	55	71	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	74	74	68	74	71	64	74	67	61	74	64	58	74	61	56	72	58	53	69	56	51	66	54	49	61	50	45	57	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	74	60	55	71	57	52	67	54	50	64	52	47	61	50	45	58	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	64	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	60	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	33	47	36	0	45	0	0	42	0	0
		6:12	26.6	Non-Exposed	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	64	57	74	61	55	74	59	52	71	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34
				Exposed	74	66	59	74	63	56	74	60	53	74	57	50	71	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	70	73	73	66	72	72	63	71	69	60	70	66	58	65	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	66	74	70	62	70	67	59	67	64	56	64	61	53	61	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	73	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	67	58	67	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	67	58	67	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	61	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	73	65	74	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	68	58	49	64	55	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	58	74	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	71	73	73	68	73	73	63	73	70	59	73	65	55	72	61	52	67	58	49	64	54	46
				Exposed	73	73	73	73	73	73	73	73	69	73	73	66	73	73	63	73	71	60	73	68	57	73	66	55	71	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	64	68	65	59	68	61	55	68	57	52	66	53	48	62	50	46	58	47	43
				Exposed	68	68	68	68	68	68	68	68	65	68	68	62	68	65	59	68	62	56	68	59	54	68	57	52	65	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	59	64	60	55	64	57	51	64	53	48	62	50	46	58	47	43
				Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	64	59	64	62	56	64	59	54	64	57	52	64	53	48	60	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	68	64	68	65	59	68	60	55	68	56	51	65	53	48	62	50	46	58	47	43
				Exposed	68	68	68	68	68	68	68	68	64	68	67	61	68	64	59	68	62	56	68	59	54	68	57	52	65	53	48	60	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	64	68	66	59	68	62	55	68	58	51	67	55	48	66	52	45	60	49	45
				Exposed	68	68	68	68	68	68	68	68	68	68	68	67	68	68	64	68	68	61	68	65	58	68	62	56	68	58	51	68	54	47	65	50	44	61	47	41	58	45	38	55	42	36
	B	6:12	26.6	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	64	69	66	59	69	62	55	69	58	51	68	55	48	67	52	45	60	48	44
				Exposed	69	69	69	69	69	69	69	69	69	69	69	67	69	69	64	69	67	61	69	65	58	69	62	55	69	58	51	69	54	47	65	50	44	61	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	68	68	65	66	66	61	65	65	57	64	61	53	61	58	50
				Exposed	70	70	70	70	70	70	70	70	70	70	70	67	70	70	67	70	70	67	70	70	64	70	69	61	68	64	56	63	60	52	59	56	49	56	53	45	53	50	43	50	47	40
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	69	69	65	67	67	61	66	65	57	64	61	53	61	58	50
				Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	71	71	67	71	71	64	71	69	61	68	64	56	63	60	52	59	56	49	56	53	45	52	50	43	50	47	40
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	70	70	70	65	69	69	61	67	65	57	64	61	53	61	58	50
				Exposed	72	72	72	72	72	72	72	72	72	72	72	70	72	72	67	72	72	64	72	69	61	68	64	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40			
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	73	70	72	72	65	70	69	61	68	65	57	64	61	53	61	58	50
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	67	74	72	64	73	69	61	68	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	73	73	65	72	69	60	68	64	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	73	65	72	68	60	68	64	57	64	61	53	61	58	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	52	45	52	50	42	49	47	40
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	74	62	74	71	60	74	68	57	74	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	74	74	64	74	73	61	74	69	58	74	66	55	74	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	73	73	73	73	73	73	73	73	71	73	73	68	73	73	65	73	73	62	73	71	59	73	68	57	73	63	53	68	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	73	73	64	73	72	61	73	69	58	73	65	55	73	62	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	67	68	68	64	68	67	61	68	64	58	68	61	56	68	59	54	67	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	68	66	60	68	63	57	68	60	54	68	57	52	67	54	49	64	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	64	58	64	61	56	64	59	54	64	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	64	64	60	64	63	57	64	60	54	64	57	52	64	54	49	64	52	47	61	50	45	59	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	68	68	68	68	68	68	68	68	67	68	68	64	68	67	61	68	64	58	68	61	56	68	59	53	67	54	50	62	51	46	58	47	43	55	45	41	52	42	38	49	40	36
				Exposed	68	66	60	68	62	57	68	59	54	68	57	52	67	54	49	64	52	47	61	50	45	59	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	63	68	67	60	68	64	58	68	60	53	68	56	49	67	52	45	64	49	42	60	46	40	57	44	37
				Exposed	68	68	66	68	68	62	68	65	58	68	62	55	68	59	53	68	57	50	68	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
20	C	6:12	26.6	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	66	69	69	63	69	67	60	69	64	58	69	60	53	68	55	49	67	52	45	63	49	42	60	46	40	57	44	37			
				Exposed	69	69	66	69	68	62	69	65	58	69	62	55	69	59	53	69	57	50	69	54	48	68	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	68	68	66	67	67	64	66	66	59	64	62	54	61	58	50	58	55	47	54	52	44	51	49	42
				Exposed	70	70	70	70	70	68	70	70	64	70	69	61	69	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	69	69	69	66	68	68	63	67	66	58	65	62	54	61	58	50	58	55	47	54	51	44	51	49	42
				Exposed	71	71	71	71	71	68	71	71	64	71	69	61	70	66	58	67	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	71	69	70	70	66	70	70	63	68	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	72	72	72	72	72	68	72	72	64	72	69	61	70	66	58	67	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	73	73	69	72	72	66	71	71	63	69	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	68	74	72	64	73	69	61	69	66	58	66	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	73	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	70	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	74	74	71	74	74	67	74	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		Flat	0	Non-Exposed	74	74	73	74	74	69	74	74	66	74	74	62	74	71	60	74	68	57	74	65	55	73	62	52	68	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	73	73	73	73	73	69	73	73	65	73	73	62	73	71	59	73	68	57	73	65	55	73	62	52	67	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	73	70	59	73	66	56	73	63	53	70	60	50	67	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	68	68	68	68	68	65	68	67	61	68	64	58	68	61	56	68	59	53	68	56	51	67	54	49	62	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	68	61	55	68	57	52	67	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	64	64	64	64	64	64	64	64	61	64	64	58	64	61	56	64	59	53	64	56	51	64	54	49	62	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	64	60	55	64	57	52	64	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	68	68	68	68	68	64	68	67	61	68	64	58	68	61	56	68	58	53	68	56	51	66	54	49	61	50	45	57	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	68	60	55	68	57	52	67	54	50	64	52	47	61	50	45	58	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	68	68	68	68	68	68	68	67	61	68	64	57	68	61	55	68	59	52	67	55	48	66	51	44	62	48	41	58	45	38	55	42	36	52	40	34						
				Exposed	68	66	60	68	63	56	68	60	53	68	57	50	68	54	48	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0									
	D	6:12	26.6	Non-Exposed	69	69	69	69	69	69	69	67	61	69	64	57	69	61	55	69	59	53	69	55	49	67	52	45	63	49	42	60	46	40	57	44	37									
				Exposed	69	66	59	69	63	56	69	60	53	69	57	50	69	54	48	68	52	45	65	50	43	62	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	69	69	69	69	69	69	68	68	66	67	67	63	66	66	60	65	65	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	70	70	66	70	70	62	69	67	59	67	64	56	64	61	53	61	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	70	70	70	69	69	66	68	68	63	67	67	60	66	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	71	71	65	71	70	62	70	67	58	67	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	71	71	69	70	70	66	69	69	63	69	68	60	68	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	72	72	65	72	70	62	70	66	58	67	63	55	64	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	73	73	73	69	72	72	66	71	71	63	70	68	60	69	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	62	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	72	71	63	71	68	60	69	65	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	74	65	74	70	61	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	72	68	60	69	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	74	73	65	74	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	63	74	70	59	74	65	55	72	61	52	68	58	49	64	55	46
				Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	74	63	74	71	60	74	68	58	74	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	72	72	68	72	72	63	72	70	59	72	65	55	72	61	52	67	58	49	64	54	46
				Exposed	72	72	72	72	72	72	72	72	69	72	72	66	72	72	63	72	71	60	72	68	57	72	66	55	71	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	65	59	66	61	55	66	57	52	66	53	48	62	50	46	58	47	43			
				Exposed	66	66	66	66	66	66	66	66	65	66	66	62	66	65	59	66	62	56	66	59	54	66	57	52	65	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	60	55	62	57	51	62	53	48	62	50	46	58	47	43
				Exposed	62	62	62	62	62	62	62	62	62	62	62	61	62	62	59	62	62	56	62	59	54	62	57	52	62	53	48	60	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	60	55	61	56	51	61	53	48	61	50	46	58	47	43			
				Exposed	61	61	61	61	61	61	61	61	61	61	61	59	61	61	59	61	61	56	61	59	54	61	57	52	61	53	48	60	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	55	62	58	51	62	55	48	62	52	45			
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	62	56	62	58	51	62	54	47	62	50	44	61	47	41	58	45	38	55	42	36
		6:12	26.6	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	59	63	62	55	63	58	51	63	55	48	63	52	45			
				Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	58	63	62	55	63	58	51	63	54	47	63	50	44	61	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	61	61	61	57	60	60	53	59	58	50
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	64	56	63	60	52	59	56	49	56	53	45	53	50	43	50	47	40			
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	64	64	61	62	62	57	61	61	53	60	58	50
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	66	56	63	60	52	59	56	49	56	53	45	52	50	43	50	47	40			
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	67	67	66	66	65	65	65	61	64	64	57	63	61	53	61	58	50
				Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	64	68	68	61	67	64	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	68	68	66	66	66	61	65	65	57	64	61	53	61	58	50
				Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	70	70	64	70	69	61	68	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	69	69	65	68	68	60	67	64	57	64	61	53	61	58	50
				Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	71	71	66	71	71	63	71	69	61	67	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	70	71	71	65	70	68	60	68	64	57	64	61	53	61	58	50
				Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	69	73	73	66	73	72	63	73	69	61	67	64	56	63	60	52	59	56	48	55	52	45	52	50	42	49	47	40
	C	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	74	62	74	71	60	74	68	57	74	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	74	74	64	74	73	61	74	69	58	74	66	55	74	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	72	72	72	72	72	72	72	72	71	72	72	68	72	72	65	72	72	62	72	71	59	72	68	57	72	63	53	68	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	72	72	64	72	72	61	72	69	58	72	65	55	72	62	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	66	66	66	66	66	66	66	66	64	66	66	64	66	66	61	66	64	58	66	61	56	66	59	54	66	55	50	63	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	66	66	60	66	63	57	66	60	54	66	57	52	66	54	49	64	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	61	56	62	59	54	62	55	50	62	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	62	62	60	62	62	57	62	60	54	62	57	52	62	54	49	62	52	47	61	50	45	59	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	61	56	61	59	53	61	54	50	61	51	46	58	47	43	55	45	41	52	42	38	49	40	36
				Exposed	61	61	60	61	61	57	61	59	54	61	57	52	61	54	49	61	52	47	61	50	45	59	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	58	62	60	53	62	56	49	62	52	45	61	49	42	60	46	40	57	44	37
				Exposed	62	62	62	62	62	62	62	62	58	62	62	55	62	59	53	62	57	50	62	54	48	62	52	46	62	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		6:12	26.6	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	63	58	63	60	53	63	55	49	63	52	45	62	49	42	60	46	40	57	44	37			
				Exposed	63	63	63	63	63	62	63	63	58	63	62	55	63	59	53	63	57	50	63	54	48	63	52	46	63	48	42	59	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	59	61	61	54	59	58	50	58	55	47	54	52	44
				Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	64	58	64	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	64	64	63	63	63	58	62	62	54	60	58	50	58	55	47	54	51	44	51	49	42
				Exposed	66	66	66	66	66	66	66	66	64	66	66	61	66	66	58	65	63	55	64	61	53	62	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	67	67	66	66	66	66	66	64	64	58	63	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	68	68	68	68	68	68	68	68	64	68	68	61	68	66	58	67	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	69	69	69	68	68	66	67	67	63	66	66	58	64	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	70	70	70	70	70	68	70	70	64	70	69	61	69	66	58	66	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	69	70	70	66	69	69	63	67	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	71	71	71	71	71	67	71	71	64	71	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	72	72	72	69	71	71	66	71	71	63	69	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	73	73	71	73	73	67	73	72	64	73	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	D	Flat	0	Non-Exposed	74	74	73	74	74	69	74	74	66	74	74	62	74	71	60	74	68	57	74	65	55	73	62	52	68	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	74	70	59	74	66	56	74	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	72	72	72	72	72	69	72	72	65	72	72	62	72	71	59	72	68	57	72	65	55	72	62	52	67	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	72	70	59	72	66	56	72	63	53	70	60	50	67	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	66	66	66	66	66	65	66	66	61	66	64	58	66	61	56	66	59	53	66	56	51	66	54	49	62	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	66	61	55	66	57	52	66	55	50	64	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	61	62	62	58	62	61	56	62	59	53	62	56	51	62	54	49	62	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	62	60	55	62	57	52	62	55	50	62	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	58	61	61	56	61	58	53	61	56	51	61	54	49	61	50	45	57	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	61	60	55	61	57	52	61	54	50	61	52	47	61	50	45	58	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	57	62	61	55	62	59	52	62	55	48	62	51	44	61	48	41	58	45	38	55	42	36	52	40	34
				Exposed	62	62	60	62	62	56	62	60	53	62	57	50	62	54	48	62	52	45	62	50	43	62	48	41	58	44	38	54	41	35	50	39	33	47	36	0	45	0	0	42	0	0
		6:12	26.6	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	63	57	63	61	55	63	59	52	63	55	48	62	51	44	61	48	41	58	45	38	55	42	36	52	40	34
				Exposed	63	63	59	63	63	56	63	60	53	63	57	50	63	54	48	63	52	45	63	50	43	62	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	60	62	62	58	60	60	53	59	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	64	64	64	64	64	62	64	64	59	64	64	56	64	61	53	61	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	65	65	65	65	65	65	64	64	63	63	63	60	63	63	58	61	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	66	66	65	66	66	62	66	66	58	65	63	56	64	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	67	67	67	66	66	66	66	66	63	65	65	60	64	64	58	63	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	68	68	65	68	68	62	68	66	58	67	63	55	64	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	69	69	69	69	69	69	68	68	66	67	67	63	66	66	60	66	66	58	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	70	70	65	70	70	62	69	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	70	70	69	69	69	69	68	68	67	65	68	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38			
				Exposed	71	71	65	71	70	61	70	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	72	72	69	71	71	66	70	70	63	70	68	60	69	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	73	73	65	73	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	71	71	63	71	70	59	71	65	55	71	61	52	68	58	49	64	55	46
				Exposed	71	71	71	71	71	71	71	71	69	71	71	66	71	71	63	71	71	60	71	68	58	71	66	55	71	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	59	66	65	55	66	61	52	66	58	49	64	54	46			
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	60	66	66	57	66	66	55	66	61	51	66	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	61	55	61	57	52	61	53	48	61	50	46	58	47	43			
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	61	56	61	59	54	61	57	52	61	53	48	61	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	51	57	53	48	57	50	46	57	47	43
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	54	57	57	52	57	53	48	57	49	45	57	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	51	56	53	48	56	50	46	56	47	43
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	52	56	53	48	56	49	45	56	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	51	57	55	48	57	52	45
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	51	57	54	47	57	50	44	57	47	41	57	45	38	55	42	36
	B	6:12	26.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	51	58	55	48	58	52	45			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	51	58	54	47	58	50	44	58	47	41	58	45	38	55	42	36
		7:12	30.3	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	57	57	57	53	56	56	50			
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	52	59	56	49	56	53	45	53	50	43	50	47	40			
		8:12	33.7	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	59	59	57	58	58	53	57	57	50
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	56	61	60	52	59	56	49	56	53	45	52	50	43	50	47	40			
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	62	62	61	61	57	60	60	53	59	58	50
				Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	56	63	60	52	59	56	48	56	53	45	52	50	43	50	47	40
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	66	61	65	65	55	63	63	54	60	58	50	57	54	47	54	51	44
				Exposed	66	66	66	66	66	66	66	66	64	66	66	61	66	66	58	65	63	55	64	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	67	67	66	66	66	66	66	63	64	64	58	63	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	68	68	68	68	68	67	68	68	64	68	68	61	68	66	58	66	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	68	68	66	68	68	63	66	66	58	65	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	70	70	70	70	70	67	70	70	64	70	69	61	69	66	58	66	63	55	64	60	53	61	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		Flat	0	Non-Exposed	71	71	71	71	71	71	71	71	68	71	71	65	71	71	62	71	71	60	71	68	57	71	63	53	69	59	49	64	55	46	60	51	43	57	48	41	54	46	39			
				Exposed	71	71	64	71	71	61	71	69	58	71	66	55	71	63	53	70	60	50	67	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	62	66	66	59	66	66	57	66	63	53	66	58	49	64	55	46	60	51	43	57	48	41	53	46	39
				Exposed	66	66	64	66	66	61	66	66	58	66	65	55	66	62	53	66	60	50	66	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	61	56	61	59	54	61	55	50	61	51	46	59	48	43	55	45	41	52	42	38	49	40	36
				Exposed	61	61	60	61	61	57	61	60	54	61	57	52	61	54	49	61	52	47	61	50	45	59	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	54	57	55	50	57	51	46	57	48	43	55	45	41	52	42	38	49	40	36
				Exposed	57	57	57	57	57	57	57	57	54	57	57	52	57	54	49	57	52	47	57	50	45	57	48	43	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	54	50	56	51	46	56	47	43	55	45	41	52	42	38	49	40	36
				Exposed	56	56	56	56	56	56	56	56	54	56	56	52	56	54	49	56	52	47	56	50	45	56	48	43	54	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	53	57	57	53	57	56	49	57	52	45	57	49	42	57	46	40	56	44	37
				Exposed	57	57	57	57	57	57	57	57	57	57	57	55	57	57	53	57	57	50	57	54	48	57	52	46	57	48	42	57	45	39	55	42	36	52	40	34	49	37	0	46	0	0
30	C	6:12	26.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	53	58	58	53	58	55	49	58	52	45	58	49	42	57	46	40	56	44	37
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	57	50	58	54	48	58	52	46	58	48	42	58	45	39	55	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	58	57	57	54	56	56	50	55	55	47	54	52	44	51	49	42
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	59	53	59	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	58	59	59	54	57	57	50	56	55	47	54	51	44	51	49	42
				Exposed	61	61	61	61	61	61	61	61	61	61	61	58	61	61	55	61	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0			
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	62	62	61	61	58	60	60	54	59	58	50	57	54	47	54	51	44	51	49	42
				Exposed	63	63	63	63	63	62	63	63	58	63	63	55	63	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	64	64	63	63	63	60	62	62	58	61	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	66	66	65	66	66	62	66	66	58	65	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	67	67	67	66	66	66	66	66	66	63	65	65	60	64	64	58	63	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	68	68	65	68	68	61	68	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	70	70	70	70	70	70	70	70	70	69	69	69	68	68	66	67	67	63	67	67	60	66	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	70	70	65	70	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0
		Flat	0	Non-Exposed	71	70	59	71	66	56	71	63	53	70	60	51	67	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
				Exposed	66	66	59	66	66	56	66	63	53	66	60	50	66	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	66	66	66	66	66	66	66	65	66	66	66	62	66	66	59	66	66	57	66	65	55	66	62	52	66	58	48	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	66	66	59	66	66	56	66	63	53	66	60	50	66	57	48	64	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	58	61	61	56	61	59	53	61	56	51	61	54	49	61	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	61	61	55	61	57	52	61	55	50	61	52	47	61	50	45	59	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	56	51	57	54	49	57	50	46	57	47	42	54	44	40	50	41	37	48	39	0	45	37	0
				Exposed	57	57	55	57	57	52	57	55	50	57	52	47	57	50	45	57	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	56	51	56	54	49	56	50	45	56	47	42	54	44	40	50	41	37	47	39	0	45	37	0
				Exposed	56	56	55	56	56	52	56	54	50	56	52	47	56	50	45	56	47	43	56	46	41	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	52	57	57	55	48	57	51	44	57	48	41	56	45	38	55	42	36	52	40	34
				Exposed	57	57	57	57	57	56	57	57	53	57	57	50	57	54	48	57	52	45	57	50	43	57	48	41	57	44	38	54	41	35	50	39	33	47	36	0	45	0	0	42	0	0
	D	6:12	26.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	52	58	58	55	48	58	51	44	58	48	41	57	45	38	55	42	36	52	40	34
				Exposed	58	58	58	58	58	56	58	58	53	58	57	50	58	54	48	58	52	45	58	50	43	58	48	41	58	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	58	57	57	53	56	56	49	55	53	46	53	50	43	50	47	40	47	45	38
				Exposed	59	59	59	59	59	56	59	59	53	59	58	51	59	56	48	57	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0						
		8:12	33.7	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	59	59	58	58	58	53	57	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	61	61	61	61	61	61	61	61	58	61	61	56	61	61	53	61	58	50	59	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	62	62	62	62	62	60	61	61	58	60	60	53	58	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	63	63	63	63	63	62	63	63	58	63	63	55	63	61	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	64	64	63	63	63	60	62	62	58	61	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	66	66	65	66	66	62	66	66	58	65	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	67	67	67	66	66	66	66	66	66	63	65	65	60	64	64	58	63	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	68	68	65	68	68	61	68	66	58	67	63	55	64	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	70	70	70	70	70	70	70	70	70	69	69	69	68	68	66	67	67	63	67	67	60	66	65	57	64	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	70	70	65	70	69	61	70	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	Flat	0	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	59	66	65	55	66	61	52	66	58	49	64	55	46
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	60	66	66	58	66	66	55	66	61	51	66	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	55	62	61	52	62	58	49	62	54	46
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	57	62	62	55	62	61	51	62	56	48	62	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	53	48	57	50	46	57	47	43
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	54	57	57	52	57	53	48	57	49	45	57	46	42	53	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	50	46	53	47	43
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	49	45	53	46	42	53	43	39	50	41	37	47	38	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	50	46	53	47	43
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	49	45	53	46	42	53	43	39	50	41	37	47	38	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	52	45
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	47	53	50	44	53	47	41	53	45	38	53	42	36
		6:12	26.6	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	54	48	54	52	45
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	54	47	54	50	44	54	47	41	54	45	38	54	42	36
		7:12	30.3	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	54	54	50
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	55	49	55	53	45	53	50	43	50	47	40
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	53	55	55	50
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	52	57	56	49	56	53	45	52	50	43	50	47	40
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	57	57	57	53	56	56	50
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	52	59	56	48	56	53	45	52	50	43	50	47	40
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	61	61	61	60	60	57	59	59	53	58	58	50
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	56	61	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	60	61	61	57	60	60	53	59	58	50
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	61	64	64	56	63	60	52	59	56	48	55	53	45	52	50	43	50	47	40
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	66	66	65	65	65	64	64	60	63	63	57	62	61	53	61	58	50
				Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	67	63	67	67	61	66	64	56	63	60	52	59	56	48	55	52	45	52	50	42	49	47	40
	C	Flat	0	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	62	66	66	60	66	66	57	66	63	53	66	59	49	64	55	46	60	51	43	57	48	41	54	46	39
				Exposed	66	66	64	66	66	61	66	66	58	66	66	55	66	63	53	66	60	50	66	57	48	64	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	57	62	62	53	62	58	49	62	55	46	60	51	43	57	48	41	53	46	39
				Exposed	62	62	62	62	62	61	62	62	58	62	62	55	62	62	53	62	60	50	62	57	48	62	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	54	57	55	50	57	51	46	57	48	43	55	45	41	52	42	38	49	40	36
				Exposed	57	57	57	57	57	57	57	57	54	57	57	52	57	54	49	57	52	47	57	50	45	57	48	44	55	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	51	46	53	48	43	53	45	41	52	42	38	49	40	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	52	47	53	50	45	53	48	43	53	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	51	46	53	47	43	53	45	41	52	42	38	49	40	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	52	47	53	50	45	53	48	43	53	44	40	51	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	53	52	45	53	49	42	53	46	40	53	44	37
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	52	46	53	48	42	53	45	39	53	42	36	52	40	34	49	37	0	46	0	0
		6:12	26.6	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	49	54	52	45	54	49	42	54	46	40	54	44	37
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	54	48	54	52	46	54	48	42	54	45	39	54	42	36	52	40	34	49	37	0	46	0	0
		7:12	30.3	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	50	53	53	47	52	52	44	51	49	42
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	51	55	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	54	55	55	50	54	54	47	53	51	44	51	49	42
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	53	57	57	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	58	57	57	54	56	56	50	55	54	47	54	51	44	51	49	42
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	59	53	59	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	60	60	58	59	59	54	58	58	50	57	54	47	54	51	44	51	49	42
				Exposed	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	62	55	62	61	53	61	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	58	60	60	54	59	58	50	57	54	47	54	51	44	51	49	42
				Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	64	58	64	63	55	64	60	53	61	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	66	66	65	65	65	65	65	63	64	64	58	62	62	54	61	58	50	57	54	47	54	51	44	51	49	42
				Exposed	67	67	67	67	67	67	67	67	64	67	67	61	67	66	58	66	63	55	64	60	53	61	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	D	Flat	0	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	62	66	66	60	66	66	57	66	65	55	66	62	52	66	58	49	63	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	66	66	59	66	66	56	66	63	53	66	60	51	66	57	48	64	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	57	62	62	55	62	62	52	62	58	48	62	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	62	62	59	62	62	56	62	62	53	62	60	50	62	57	48	62	55	46	61	52	44	59	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	56	51	57	54	49	57	50	46	57	47	42	54	44	40	51	41	37	48	39	0	45	37	0
				Exposed	57	57	55	57	57	52	57	55	50	57	52	47	57	50	45	57	48	43	56	46	42	54	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	50	46	53	47	42	53	44	40	50	41	37	48	39	0	45	37	0
				Exposed	53	53	53	53	53	52	53	53	50	53	52	47	53	50	45	53	48	43	53	46	42	53	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	50	45	53	47	42	53	44	40	50	41	37	47	39	0	45	37	0
				Exposed	53	53	53	53	53	52	53	53	50	53	52	47	53	50	45	53	47	43	53	46	41	53	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	51	44	53	48	41	53	45	38	53	42	36	52	40	34
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	52	45	53	50	43	53	48	41	53	44	38	53	41	35	50	39	33	47	36	0	45	0	0	42	0	0
		6:12	26.6	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	48	54	51	44	54	48	41	54	45	38	53	42	36	52	40	34
				Exposed	54	54	54	54	54	54	54	54	53	54	54	50	54	54	48	54	52	45	54	50	43	54	48	41	54	44	38	54	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	53	53	53	49	52	52	46	51	50	43	50	47	40	47	45	38
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	51	55	55	48	55	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	53	55	55	49	54	53	46	52	50	43	50	47	40	47	45	38
				Exposed	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	57	50	57	56	48	56	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	58	57	57	53	56	56	49	55	53	46	53	50	43	50	47	40	47	45	38
				Exposed	59	59	59	59	59	59	59	59	58	59	59	55	59	59	53	59	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	60	60	60	60	60	58	59	59	53	57	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	62	62	62	62	62	62	62	62	58	62	62	55	62	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	63	63	63	62	62	60	62	62	58	60	60	53	59	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	64	64	64	64	64	61	64	64	58	64	63	55	63	60	53	61	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	66	66	66	65	65	65	65	65	63	64	64	60	63	63	57	62	61	53	60	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	67	67	65	67	67	61	67	66	58	66	63	55	64	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	Flat	0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	55	62	61	52	62	58	49	62	55	46
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	58	62	62	55	62	61	51	62	57	48	62	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	52	58	58	49	58	54	46
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	51	58	56	48	58	53	44	58	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	53	46	53	47	43			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	49	45	53	46	42	53	43	39	50	41	37	47	39	0			
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	42	50	43	39	50	41	37	47	38	0			
		4:12	18.4	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	47	43			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	46	42	49	43	39	49	41	37	47	38	0						
		5:12	22.6	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45						
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	50	44	50	47	41	50	45	38	50	42	36
		6:12	26.6	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45						
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	50	44	51	47	41	51	45	38	51	42	36
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	47	50	50	44	49	49	42
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	47	52	50	43	50	47	40	44	42	35
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	52	52	47	51	51	44	50	49	42
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	51	54	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	54	54	54	50	53	53	47	52	51	44	51	49	42
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	53	56	56	51	56	54	47	53	50	43	50	47	40	47	44	38	44	42	35
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	54	56	56	50	55	54	47	54	51	44	51	49	42
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	59	59	58	58	58	54	57	57	50	56	54	47	54	51	44	51	49	42
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	61	55	61	60	53	60	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40
		12:12	45	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	61	61	58	60	60	54	59	58	50	57	54	47	54	51	44	51	49	42
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	64	58	64	63	55	63	60	53	61	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	C	Flat	0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	57	62	62	53	62	59	49	62	55	46	60	51	43	57	48	41	54	46	39
				Exposed	62	62	62	62	62	61	62	62	58	62	62	55	62	62	53	62	60	50	62	57	48	62	55	46	60	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	53	58	58	49	58	55	46	58	51	43	57	48	41	53	46	39			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	50	58	57	48	58	55	46	58	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	46	53	48	43	53	45	41	52	42	38	49	40	36			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	52	47	53	50	45	53	48	44	53	44	40	51	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	48	43	50	45	41	50	42	38	49	40	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	47	50	50	45	50	48	43	50	44	40	50	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	47	43	49	45	41	49	42	38	49	40	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	48	43	49	44	40	49	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	45	50	49	42	50	46	40	50	44	37
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	48	42	50	45	39	50	42	36	50	40	34	49	37	0	46	0	0
		6:12	26.6	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	45	51	49	42	51	46	40	51	44	37
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	46	51	48	42	51	45	39	51	42	36	51	40	34	49	37	0	46	0	0						
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	51	51	47	50	50	44	49	49	42			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	47	52	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	50	52	52	47	51	51	44	50	49	42	
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	51	54	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	54	54	54	50	53	53	47	52	51	44	51	49	42
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	53	56	56	51	56	54	47	53	50	43	50	47	40	47	44	38	44	42	35
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	50	55	54	47	54	51	44	51	49	42
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	51	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	59	59	58	58	58	53	57	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	61	61	61	61	61	61	61	61	58	61	61	55	61	60	53	60	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	62	60	61	61	57	60	60	53	58	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	64	64	64	64	64	61	64	64	58	64	63	55	63	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0
	D	Flat	0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	57	62	62	55	62	62	52	62	58	49	62	54	45	59	50	42	55	47	40	52	44	37	49	42	0
				Exposed	62	62	59	62	62	56	62	62	53	62	60	51	62	57	48	62	55	46	61	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	52	58	58	48	58	54	45	58	50	42	55	47	40	52	44	37	49	42	0			
				Exposed	58	58	58	58	58	56	58	58	53	58	58	50	58	57	48	58	55	46	58	52	44	58	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	50	46	53	47	42	53	44	40	51	41	37	48	39	0	45	37	0
				Exposed	53	53	53	53	53	52	53	53	50	53	52	47	53	50	45	53	48	43	53	46	42	53	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	47	42	50	44	40	50	41	37	48	39	0	45	37	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	47	50	50	45	50	48	43	50	46	42	50	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	45	49	47	42	49	44	40	49	41	37	47	39	0	45	37	0			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	47	43	49	46	41	49	44	40	49	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	48	41	50	45	38	50	42	36	50	40	34			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	50	43	50	48	41	50	44	38	50	41	35	50	39	33	47	36	0	45	0	0	42	0	0
		6:12	26.6	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	44	51	48	41	51	45	38	51	42	36	50	40	34			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	45	51	50	43	51	48	41	51	44	38	51	41	35	50	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	49	50	50	46	49	49	43	49	47	40	47	45	38
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	48	52	52	46	52	50	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	53	52	52	49	51	51	46	51	50	43	50	47	40	47	45	38	
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	54	48	54	54	46	52	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	53	54	54	49	53	53	46	52	50	43	50	47	40	47	45	38	
				Exposed	56	56	56	56	56	56	56	56	56	56	56	55	56	56	53	56	56	50	56	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	53	55	55	49	54	53	46	53	50	43	50	47	40	47	45	38	
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	50	58	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	60	60	60	60	60	59	59	58	58	58	53	57	57	49	56	53	46	53	50	43	50	47	40	47	45	38	
				Exposed	61	61	61	61	61	61	61	61	58	61	61	55	61	60	53	60	58	50	59	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	62	62	60	61	61	57	60	60	53	58	57	49	56	53	46	53	50	43	50	47	40	47	45	38
				Exposed	64	64	64	64	64	61	64	64	58	64	63	55	63	60	53	61	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	55	59	59	52	59	58	49	59	55	46
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	59	51	59	57	48	59	53	45	58	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	55	49	55	54	46			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	51	55	55	48	55	53	44	55	50	42	55	47	39	52	44	37
		2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	42	50	43	39	50	41	37	47	39	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	42	47	43	39	47	41	37	47	38	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	42	47	43	39	47	41	37	47	38	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	41	47	45	38	47	42	36
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	48	47	41	48	45	38	48	42	36
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	45	49	49	43	49	47	40	49	47	40
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	45	51	50	43	50	47	40
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	52	50			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	53	45	52	50	43	50	47	40	50	47	40
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	53	54	54	50	53	53	47	52	51	44
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	51	55	54	47	53	50	43	50	47	40	47	44	38	44	42	35
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	54	55	55	50	54	54	47	53	51	44	51	49	42
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	50	57	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	58	58	58	54	57	57	50	56	54	47	54	51	44	51	49	42
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	60	55	60	60	53	60	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	C	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	53	59	59	49	59	55	46	59	51	43	57	48	41	54	46	39
				Exposed	59	59	59	59	59	59	59	59	58	59	59	55	59	59	53	59	59	50	59	57	48	59	55	46	59	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	49	55	55	46	55	51	43	55	48	41	53	46	39
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	50	55	55	48	55	55	46	55	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	48	43	50	45	41	50	42	38	49	40	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	47	50	50	45	50	48	44	50	44	40	50	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	45	41	47	42	38	47	40	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	44	40	47	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	45	41	47	42	38	47	40	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	44	40	47	41	38	47	39	0	45	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	42	47	46	40	47	44	37			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	45	39	47	42	36	47	40	34	47	37	0	46	0	0
45		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	42	48	46	40	48	44	37			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	42	48	45	39	48	42	36	48	40	34	48	37	0	46	0	0			
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	49	43	49	48	44	47	47	42			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	43	49	47	40	47	44	38	44	42	35	42	40	0						
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	47	49	49	44	48	48	42			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	50	43	50	47	40	47	44	38	44	42	35	42	40	0			
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50	51	51	47	50	50	44	50	49	42				
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	53	53	53	49	52	52	46	51	50	43	50	47	40	47	45	38
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	50	55	55	48	55	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	53	55	55	49	54	53	46	53	50	43	50	47	40	47	45	38
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	50	58	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	57	58	58	53	57	57	49	55	53	46	53	50	43	50	47	40	47	45	38
				Exposed	60	60	60	60	60	60	60	60	58	60	60	55	60	60	53	60	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0
	D	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59
				Exposed	59	59	59	59	59	59	56	59	59	53	59	59	51	59	57	48	59	59	46	59	53	44	59	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	55	48	55	54	45	55	50	42	55	47	40	52	44	37	49	42	0
				Exposed	55	55	55	55	55	55	55	55	53	55	55	50	55	55	48	55	55	46	55	52	44	55	50	42	55	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	47	42	50	44	40	50	41	37	47	38	0	45	37	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	47	50	50	45	50	48	43	50	46	42	50	44	40	50	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	44	40	47	41	37	47	39	0	45	37	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	42	47	44	40	47	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	42	47	44	40	47	41	37	47	39	0	45	37	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	41	47	44	40	47	41	37	47	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	41	47	45	38	47	42	36	47	40	34			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	47	41	47	44	38	47	41	35	47	39	33	47	36	0	45	0	0	42	0	0
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	48	42	48	45	38	48	42	36			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	48	41	48	44	38	48	41	35	48	39	0	47	36	0	45	0	0	42	0	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	48	48	43	47	47	40	46	45	38			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	49	46	39	46	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	49	50	50	46	49	49	43	48	47	40	47	45	38			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	46	51	50	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0						
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	49	51	51	46	50	50	43	49	47	40	47	45	38				
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0						
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	53	53	53	49	52	52	46	51	50	43	50	47	40	47	45	38			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	50	55	55	48	55	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0						
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	56	56	53	55	55	49	54	53	46	53	50	43	50	47	40	47	45	38			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	50	58	56	48	56	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	57	58	58	53	57	57	49	55	53	46	53	50	43	50	47	40	47	45	38
				Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	60	53	60	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	56	49	56	55	46
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	51	56	56	48	56	53	45	56	50	42	55	47	39	52	44	37
		1:12	4.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	48	52	52	44	52	50	42	52	47	39	52	44	37	52	44	37
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	43			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	42	48	43	39	48	41	37	47	39	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	39	45	41	37	45	38	0			
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	43	39	44	41	37	44	38	0			
		5:12	22.6	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	45	38	45	42	36			
	B	6:12	26.6	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45						
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	45	38	46	42	36			
		7:12	30.3	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47						
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	47	40						
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49						
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	45	49	49	43	49	47	40						
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50						
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	50	43	50	47	40			
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53						
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	53	45	52	50	43			
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54						
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	55	48	55	53	45	52	50	43			
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56						
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	52	58	56	48	55	52	45	52	50	42	49	47	40			
		Flat	0	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	56	49	56	55	46	56	51	43	56	48	41	54	46	39			
				Exposed	56	56	56	56	56	56	56	56	56	56	56	55	56	56	53	56	56	50	56	56	48	56	55	46	56	51	43	55	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46	52	51	43	52	48	41	52	46	39			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	46	52	51	43	52	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	45	41	48	42	38	48	40	36			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	48	44	48	44	40	48	41	38	48	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	42	38	45	40	36						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	44	40	45	41	38	45	39	0	45	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	42	38	44	40	36						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	41	38	44	39	0	44	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	42	45	45	40	45	44	37						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	42	36	45	40	34	45	37	0	45	0	0			
50	C	6:12	26.6	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	42	46	46	40	46	46	44	37						
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	42	46	45	39	46	42	36	46	40	34	46	37	0	46	0	0			
		7:12	30.3	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	44	46	46	42				
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	42	44	38	44	42	35	42	40	0			
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	48	48	44	47	47	42			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	43	49	47	40	47	44	38	44	42	35	42	40	0			
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	44	48	48	42					
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	50	43	50	47	40	47	44	38	44	42	35	42	40	0			
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50	51	51	47	50	50	44	49	49	42				
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	50	53	53	47	52	51	44	51	49	42			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	50	55	54	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	54	55	55	50	54	54	47	53	51	44	51	49	42	
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	53	58	58	50	57	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		Flat	0	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	56	49	56	54	45	56	50	42	55	47	40	52	44	37	49	42	0
				Exposed	56	56	56	56	56	56	56	56	53	56	56	51	56	56	48	56	55	46	56	53	44	56	50	42	55	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	52	45	52	50	42	52	47	40	52	44	37	49	42	0			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	46	52	52	44	52	50	42	52	47	39	51	43	37	47	41	0	45	38	0	42	36	0	40	0	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	47	42	48	44	40	48	41	37	48	39	0	45	37	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	47	48	48	42	48	48	44	48	48	40	48	48	41	48	47	38	0	44	0	0	39	0	0	0	39	0	0	37	0	0	
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	44	40	45	41	37	45	39	0	45	37	0			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	43	45	45	42	45	44	40	45	41	37	45	38	0	44	0	0	41	0	0	39	0	0	37	0	0						
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	41	37	44	39	0	44	37	0						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	40	44	41	37	44	38	0	44	0	0	41	0	0	39	0	0	37	0	0						
		5:12	22.6	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	45	38	45	42	36	45	40	34			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	44	38	45	41	35	45	39	33	45	36	0	45	0	0	42	0	0									
	D	6:12	26.6	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	45	38	46	42	36	46	40	34			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	41	46	44	38	46	41	35	46	39	0	46	36	0	45	0	0	42	0	0						
		7:12	30.3	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	43	45	45	40	45	45	38			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	46	39	46	43	37	43	41	34	41	39	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	46	47	47	43	46	46	40	46	45	38				
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0			
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	46	48	48	43	48	47	40	47	45	38			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	49	51	51	46	50	50	43	49	47	40	47	45	38	
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0						
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	53	53	53	49	52	52	46	51	50	43	50	47	40	47	45	38	
				Exposed	55	55	55	55	55	55	55	55	55	55	55	50	55	55	48	55	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0						
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	53	55	55	49	54	53	46	53	50	43	50	47	40	47	45	38
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	50	58	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	54	46
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	54	48	54	53	45	54	50	42	54	47	39	52	44	37
		1:12	4.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	50	42	50	47	39	50	44	37
		2:12	9.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	42	46	43	39	46	41	37	46	39	0
		3:12	14.0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	37	43	38	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	38	42	38	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	42	36	43	40	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	38	44	42	36	44	42	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38	44	42	35
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	42	46	46	40	46	46	40
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	47	40	48	47	40
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	50	43	50	47	40	50	47	40
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	52	50	50	50
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	53	45	52	50	43	50	47	40
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	55	55	55	53	54	54	50	
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	52	56	56	48	55	52	45	52	50	42	49	47	40
	C	Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	49	54	54	46	54	51	43	54	48	41	54	46	39
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	54	48	54	54	46	54	51	43	54	47	40	52	44	37	49	42	0	46	39	0	43	37	0
		1:12	4.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	50	43	50	48	41	50	46	39
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	43	50	47	40	50	44	37	49	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	45	41	46	42	38	46	40	36			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	44	46	44	40	46	41	38	46	39	0	45	36	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	40	36			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	41	38	43	39	0	43	36	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	36			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	41	38	42	39	0	42	36	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	37			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	42	36	43	40	34	43	37	0	43	0	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	44	37						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	42	36	44	40	34	44	37	0	44	0	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	44	45	44	42						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38	44	42	35	42	40	0			
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	45	45	42									
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	44	38	44	42	35	42	40	0			
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	44	47	47	42						
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	43	48	47	40	47	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	44	48	48	42						
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50	44	49	49	42						
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	47	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	54	54	54	50	53	53	47	52	51	44	51	49	42	
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	56	56	56	53	56	56	50	56	54	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
	D	Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
		1:12	4.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	44	50	50	42	50	47	39	50	43	37	47	41	0	45	38	0	42	36	0	40	0
		2:12	9.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	42	46	44	40	46	41	37	46	39	0	45	37	0
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	42	46	44	40	46	41	37	46	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	41	37	43	39	0	43	37	0
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	41	43	43	40	43	41	37	43	38	0	43	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	41	37	42	39	0	42	37	0			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	40	42	41	37	42	38	0	42	0	0	41	0	0	39	0	0	37	0	0						
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	42	36	43	40	34			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	41	35	43	39	33	43	36	0	43	0	0	42	0	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	38	44	42	36	44	40	34			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	38	44	41	35	44	39	0	44	36	0	44	0	0	42	0	0						
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	44	44	40	43	43	38						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	39	45	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	45	45	40	44	44	38			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	47	47	43	46	46	40	45	45	38			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	42	48	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	46	48	48	43	48	47	40	47	45	38
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	49	51	51	46	50	50	43	49	47	40	47	45	38
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	53	46	52	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	53	54	54	49	53	53	46	51	50	43	50	47	40	47	45	38
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	53	56	56	50	56	55	48	56	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45	51	50	42	51	47	39	51	44	37
		1:12	4.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	48	42	48	47	39	48	44	37	48	43	36
		2:12	9.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	43	39	44	41	37	44	39	0	44	38	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	38	0	41	38	0
		4:12	18.4	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	38	0	41	38	0
		5:12	22.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	36			
	B	6:12	26.6	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	42	36			
		7:12	30.3	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	40			
		8:12	33.7	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40			
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	40			
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	49	40			
		11:12	42.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45	51	50	43	50	47	40			
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	52	45	52	50	42	49	47	40
		Flat	0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	51	43	51	48	41	51	46	39
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	46	51	51	43	51	47	40	51	44	37	49	42	0	46	39	0
		1:12	4.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	48	41	48	46	39
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	48	43	48	47	40	48	44	37	48	42	0	46	39	0	43	37	0
		2:12	9.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	42	38	44	40	36			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	41	38	44	39	0	44	36	0	42	0	0	40	0	0			
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	36						
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	39	0	41	36	0	40	0	0						
		4:12	18.4	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	36						
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	39	0	41	36	0	40	0	0						
		5:12	22.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37						
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	40	34	41	37	0	41	0	0
60	C	6:12	26.6	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	36	42	40	34	42	37	0	42	0	0
		7:12	30.3	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	38	43	43	40			
		8:12	33.7	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38	44	42	35	42	40	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	45	42		
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	44	38	44	42	35	42	40	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	48	48	44	47	47	42	
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	43	49	47	40	47	44	38	44	42	35	42	40	0			
		11:12	42.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	47	49	49	44	48	48	42			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50	52	52	47	51	51	44	50	49	42	
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	46	53	50	43	50	47	40	47	44	38	44	42	35	42	40	0
		Flat	0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	45	51	50	42	51	47	40	51	44	37
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	46	51	51	44	51	50	42	51	47	39	51	43	37	48	41	0	45	38	0	42	36	0	40	0	0	
		1:12	4.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	42	48	47	40	48	44	37	48	42	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	48	42	48	47	39	48	43	37	47	41	0	45	38	0	42	36	0	40	0	0	
		2:12	9.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	41	37	44	39	0	44	37	0
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	42	44	44	40	44	41	37	44	38	0	44	0	0	41	0	0	39	0	0	37	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	39	0	41	37	0			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	38	0	41	0	0	41	0	0	39	0	0	37	0	0
		4:12	18.4	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	39	0	41	37	0			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	38	0	41	0	0	41	0	0	39	0	0	37	0	0
		5:12	22.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	35	41	39	33	41	36	0
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
	D	6:12	26.6	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	41	35	42	39	0	42	36	0	42	0	0	42	0	0
		7:12	30.3	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	42	42	38
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	37	43	41	34	41	39	0	38	36	0
		8:12	33.7	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	43	44	44	40	43	43	38	
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	39	45	43	37	43	41	34	41	38	0	38	36	0			
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	45	45	40	44	44	38	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	42	46	46	39	46	43	37	43	41	34	41	38	0	38	36	0			
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	46	47	47	43	46	46	40	46	45	38	
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		11:12	42.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	49	50	50	46	49	49	43	48	47	40	47	45	38
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	46	51	50	42	49	46	39	46	43	37	43	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	49	51	51	46	50	50	43	49	47	40	47	45	38
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	53	46	52	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	42	48	47	39	48	44	37
		1:12	4.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	44	37
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	39	0
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	37	38	38	0
		5:12	22.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
		6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	38	39	39	36
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38
		11:12	42.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	40	47	44	38
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	47	48	48	44	48	48	42
	C	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	48	41
		1:12	4.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	44	37
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	38
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
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		5:12	22.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	37	0
		6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	34	39	37	0
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	35	40	40	0
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	35
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	38	43	42	35
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38
		11:12	42.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	40	47	44	38
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	47	48	48	44	48	48	42
	D	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	42	48	48	42
		1:12	4.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	43	37
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	41	37
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	37	38	38	37
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	37	38	38	0
		5:12	22.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	33	38	36	0
		6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	34
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	39	0	39	36	0
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	34
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	34
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	38	43	42	35
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	39	45	43	37
		11:12	42.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	43	46	46	40
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	45
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	49	42	49	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	44	37
		1:12	4.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		6:12	26.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	42	44	44	42
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	44	46	46	42
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	40
	C	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	45	39	45	45	39
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	37	45	42	0	45	39	0	43	37	0
		1:12	4.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	41	0	41	39	0	41	37	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	36	0	38	0	0	38	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0	36	0	0
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	0	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	0	36	0	0
80		6:12	26.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	0	36	0	0
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	35	41	40	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	35	42	40	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	42	44	44	42
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	38	44	42	35	42	40	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	44	46	46	42
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	40
	D	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	40	45	44	37	45	42	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	45	39	45	43	37	45	41	0	45	38	0	42	36	0	40	0	0
		1:12	4.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	41	0	41	0	0
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	0	41	38	0	41	36	0	40	0	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	37	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0	38	0	0	38	0	0	38	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	36	0	0	36	0	0
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	0	0	35	0	0	35	0	0	35	0	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	0	36	0	0	36	0	0	36
		6:12	26.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	0	36	0	0	36	0	0	36	0	0	36
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	38	0	38	36	0	38	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	38	0	38	36	0	38	0	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	38
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	34	41	38	0	38	36	0	38
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	41	34	41	38	0	38	36	0	38
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	43	44	44	40	43	43	38
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	37	43	41	34	41	38	0	38	36	0	38	36	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	43	45	45	40	45	45	38
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	46	39	46	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	Flat	0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40
	C	Flat	0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	42	0	42	39	0	42	37	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	0	39	39	0	39	37	0
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0	36	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0	34	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	33	0	33	0	0	33	0	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40
	D	Flat	0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	37
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0	36	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0	34	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	33	0	33	0	0	33	0	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	0	34	0	0	34	0	0
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	0	35	35	0	35	35	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	36	0	38	36	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	34	40	38	0	38	36	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	41	41	38
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	41	34	41	38	0	38	36	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	43	43	38
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	43	37	43	41	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	37
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		6:12	26.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	35	40	40	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40
	C	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0	40	39	0	40	37	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	37	37	0	37	37	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	0	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	0	0
100		6:12	26.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	33	0	33	0	0
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	0	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	0	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	38	38	0	38	36	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	34	40	38	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	41	34
	D	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	0	37	0	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	0	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	0	0
		6:12	26.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	33	0	33	0	0
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	0	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	36	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	34	40	38	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	41	34

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		7:12	30.3	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	C	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		7:12	30.3	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	D	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		7:12	30.3	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	34	40	38	0	38	36	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		1:12	4.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		6:12	26.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
	C	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		1:12	4.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
120		6:12	26.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	0
	D	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		1:12	4.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		6:12	26.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	68	65	74	64	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	70	67	74	67	64	74	64	61	69	59	57	64	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	74	63	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	69	66	74	66	64	74	64	61	69	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	74	63	61	69	59	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	64	74	64	61	68	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		74	65		74	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	65		73	60		68	56		64	53		60	50		57	47	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		74	65		74	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	64		72	60		68	56		63	53		60	50		57	47	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	70	65	74	64	60	74	60	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	65	61	74	62	58	74	60	55	74	55	51	69	51	46	65	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	69	64	74	65	61	74	62	58	74	60	55	74	55	51	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	44
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	64	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	68	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	70	61	58	67	58	56	65	56	53	62	53	51	57	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	67		74	62		70	58		66	55		62	52		59	49	
				Exposed	74	74		74	74		74	73		74	70		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	67		74	62		70	58		66	55		62	52		59	49	
				Exposed	74	74		74	74		74	73		74	69		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	49	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	63	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	62	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	67	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	71	66	74	66	62	74	63	59	74	60	55	74	57	52	73	54	50	70	51	47	67	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	61	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	63	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	41	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	62	58	74	59	55	74	56	52	73	54	49	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	74	63	61	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	74	68	65	74	65	62	71	61	59	68	58	56	65	56	54	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	60	58	65	56	54	60	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	66		74	61		69	57		64	54		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		65	54		60	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	66		74	61		69	57		64	53		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		64	54		60	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	74	74	74	74	74	73	74	73	68	74	69	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	61	56	74	57	53	74	54	50	70	51	47	67	49	45	65	47	43	62	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	61	57	74	59	54	74	56	52	70	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	74	64	59	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	68	65	74	64	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	70	67	74	67	64	74	64	61	69	59	57	64	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	74	63	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	69	66	74	66	64	74	64	61	69	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	74	63	61	69	59	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	64	74	64	61	68	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		74	65		74	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	65		73	60		68	56		64	53		60	50		57	47	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		74	65		74	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	64		72	60		68	56		63	53		60	50		57	47	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	70	65	74	64	60	74	60	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	65	61	74	62	58	74	60	55	74	55	51	69	51	46	65	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	69	64	74	65	61	74	62	58	74	60	55	74	55	51	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	44
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	64	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	68	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	70	61	58	67	58	56	65	56	53	62	53	51	57	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	67		74	62		70	58		66	55		59	49	
				Exposed	74	74		74	74		74	73		74	70		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	45		48	40	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	67		74	62		70	58		66	55		62	52		59	49	
				Exposed	74	74		74	74		74	73		74	69		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	49	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	63	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	62	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	67	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	71	66	74	66	62	74	63	59	74	60	55	74	57	52	73	54	50	70	51	47	67	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	61	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	61	74	62	58	74	57	53	71	52	48	67	49	45	63	46	41	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	62	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	74	68	65	74	65	62	71	61	59	68	58	56	65	56	54	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	60	58	65	56	54	60	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	66		74	61		69	57		64	54		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		65	54		60	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	66		74	61		69	57		64	53		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		64	54		60	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	74	74	74	74	74	73	74	73	68	74	69	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	61	56	74	57	53	74	54	50	70	51	47	67	49	45	65	47	43	62	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	61	57	74	59	54	74	56	52	70	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	74	64	59	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	68	65	74	64	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	70	67	74	67	64	74	64	61	69	59	57	64	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	74	63	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	69	66	74	66	64	74	64	61	69	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	74	63	61	69	59	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	64	74	64	61	68	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		74	65		74	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	65		73	60		68	56		64	53		60	50		57	47	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		74	65		74	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	64		72	60		68	56		63	53		60	50		57	47	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	70	65	74	64	60	74	60	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	65	61	74	62	58	74	60	55	74	55	51	69	51	46	65	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	69	64	74	65	61	74	62	58	74	60	55	74	55	51	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	44
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	64	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	68	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	70	61	58	67	58	56	65	56	53	62	53	51	57	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	67		74	62		70	58		66	55		62	52		59	49	
				Exposed	74	74		74	74		74	73		74	70		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	67		74	62		70	58		66	55		62	52		59	49				
				Exposed	74	74		74	74		74	73		74	69		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	49	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	63	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	62	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	67	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	71	66	74	66	62	74	63	59	74	60	55	74	57	52	73	54	50	70	51	47	67	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	61	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	63	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	41	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	62	58	74	59	55	74	56	52	73	54	49	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	74	63	61	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	74	68	65	74	65	62	71	61	59	68	58	56	65	56	54	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	60	58	65	56	54	60	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	66		74	61		69	57		64	54		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		65	54		60	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	66		74	61		69	57		64	53		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		64	54		60	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	74	74	74	74	74	73	74	73	68	74	69	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	61	56	74	57	53	74	54	50	70	51	47	67	49	45	65	47	43	62	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	61	57	74	59	54	74	56	52	70	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	74	64	59	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	68	65	74	64	61	69	60	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	70	74	70	67	74	67	64	74	64	61	69	59	57	64	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	70	72	68	65	71	63	61	69	60	57	65	56	54	62	53	51						
				Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	70	72	69	66	72	66	64	72	64	61	69	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	70	74	68	65	73	63	61	69	59	57	65	56	54	62	53	51
				Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	64	74	64	61	68	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		73	69		72	65		71	61		69	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	65		73	60		68	56		64	53		60	50		57	47	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	69		72	65		71	61		70	58	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	64		72	60		68	56		63	53		60	50		57	47	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	70	65	74	64	60	74	60	55	73	55	51	71	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45			
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	66	61	74	63	58	74	60	56	74	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	71	52	48	67	49	45			
				Exposed	74	74	74	74	74	74	74	74	73	74	73	68	74	69	65	74	65	61	74	62	58	74	60	55	74	55	51	69	51	46	65	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	74	59	55	74	55	51	70	52	48	67	49	45			
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	69	64	74	65	61	74	62	58	74	60	55	74	55	51	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	45			
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	44			
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	64	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	68	74	67	64	74	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	69	72	69	66	71	66	63	70	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	72	72	71	72	70	67	72	67	64	72	64	61	71	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	69	66	74	66	63	71	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	74	74	71	74	70	67	74	67	64	74	64	61	70	61	58	67	58	56	65	56	53	62	53	51	57	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		72	67		71	62		69	58		66	55		62	52		59	49	
				Exposed	74	74		74	74		74	73		74	70		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		73	67		71	62		70	58		66	55		62	52		59	49	
				Exposed	74	74		74	74		74	73		74	69		74	66		74	64		74	61		70	59		65	54		61	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	49	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	63	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	68	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	60	43	39	56	41	36
				Exposed	74	71	67	74	67	62	74	63	59	74	60	55	74	57	52	74	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	72	67	74	68	64	74	65	61	74	62	58	74	57	53	72	53	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	71	66	74	66	62	74	63	59	74	60	55	74	57	52	73	54	50	70	51	47	67	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	61	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	61	74	62	58	74	57	53	71	52	48	67	49	45	63	46	41	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	62	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	74	63	61	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	74	68	65	74	65	62	71	61	59	68	58	56	65	56	54	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	69	72	69	66	71	66	63	71	63	60	70	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	72	68	65	72	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	69	66	74	66	63	73	63	60	70	60	58	65	56	54	60	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	74	68	65	74	64	62	71	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		73	69		72	66		70	61		69	57		64	54		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		65	54		60	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	72		73	69		73	66		71	61		69	57		64	53		60	50		57	47		54	45	
				Exposed	74	74		74	70		74	67		74	64		74	61		70	58		67	56		64	54		60	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	74	74	74	74	74	73	74	73	68	74	69	64	74	65	61	74	62	58	74	59	55	73	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	61	56	74	57	53	74	54	50	70	51	47	67	49	45	65	47	43	62	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	56	52	71	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	61	57	74	59	54	74	56	52	70	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	74	64	59	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
20	B	2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	68	64	61	67	60	57	65	56	54	62	53	51
				Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	67	64	68	64	61	68	59	57	64	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	61	64	60	57	63	56	54	62	53	51
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	67	63	61	66	59	57	65	56	54	62	53	51
				Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	66	64	68	64	61	68	59	57	64	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	68	68		68	68		68	68		68	68		68	68		68	68		68	68		68	68		68	68		68	68		67	67		66	65		65	61		64	58	
				Exposed	68	68		68	68		68	68		68	68		68	68		68	68		68	68		68	68		68	65		68	60		67	56		64	53		60	50		57	47	
		6:12	26.6	Non-Exposed	69	69		69	69		69	69		69	69		69	69		69	69		69	69		69	69		69	69		69	69		68	68		67	65		66	61		65	58	
				Exposed	69	69		69	69		69	69		69	69		69	69		69	69		69	69		69	69		69	64		69	60		68	56		63	53		60	50		57	47	
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	65	70	64	60	69	60	55	68	55	51	66	52	48	65	49	45
				Exposed	70	70	70	70	70	70	70	70	70	70	70	69	70	69	65	70	66	61	70	63	58	70	60	56	70	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	65	71	64	60	70	59	55	69	55	51	68	52	48	66	49	45
				Exposed	71	71	71	71	71	71	71	71	71	71	71	68	71	69	65	71	66	61	71	63	58	71	60	56	71	55	51	69	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	72	69	65	72	64	60	71	59	55	70	55	51	69	52	48	67	49	45
				Exposed	72	72	72	72	72	72	72	72	72	72	72	68	72	69	65	72	65	61	72	62	58	72	60	55	72	55	51	69	51	46	65	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	60	73	59	55	72	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	69	64	74	65	61	74	62	58	74	60	55	74	55	51	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	73	55	51	70	52	48	67	49	45
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	69	65	74	64	59	74	59	55	74	55	51	70	52	48	67	49	44
				Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	58	74	59	55	74	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	66	64	67	61	59	66	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	68	68	68	68	68	68	68	67	64	68	64	61	68	61	58	68	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	61	59	63	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	61	58	64	58	56	64	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	66	63	67	61	59	65	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	68	68	68	68	68	67	68	67	64	68	64	61	68	61	58	67	58	56	65	56	53	62	53	51	57	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	68	68		68	68		68	68		68	68		68	68		68	68		68	68		68	68		67	67		65	62		64	58		63	55		62	52		59	49	
				Exposed	68	68		68	68		68	68		68	68		68	66		68	64		68	61		68	59		65	54		61	51		57	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	69	69		69	69		69	69		69	69		69	69		69	69		69	69		68	68		67	67		66	62		65	58		63	55		62	52		59	49	
				Exposed	69	69		69	69		69	69		69	69		69	66		69	64		69	61		68	59		65	54		61	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	70	68	64	70	65	61	69	62	58	68	57	53	67	53	49	65	49	45	63	46	42	60	43	39	56	41	36
				Exposed	70	70	67	70	67	63	70	63	59	70	60	55	70	57	52	70	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	71	68	64	71	65	61	71	62	58	69	57	53	68	53	48	66	49	45	63	46	42	60	43	39	56	41	36
				Exposed	71	71	67	71	67	62	71	63	59	71	60	55	71	57	52	71	54	50	70	51	47	68	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	71	72	72	67	72	68	64	72	65	61	72	62	58	71	57	53	69	53	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	72	71	66	72	66	62	72	63	59	72	60	55	72	57	52	72	54	50	70	51	47	67	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	64	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	63	58	74	59	55	74	56	52	73	54	50	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	71	67	74	68	63	74	65	60	74	62	58	74	57	53	71	52	48	67	49	45	63	46	41	59	43	39	56	41	36
				Exposed	74	70	66	74	66	62	74	62	58	74	59	55	74	56	52	73	54	49	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	66	63	67	63	61	67	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	68	68	65	68	65	62	68	61	59	68	58	56	65	56	54	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	63	60	64	61	58	63	56	54	61	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	64	64	64	64	64	62	64	61	59	64	58	56	64	56	53	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	66	63	67	63	60	66	60	58	65	56	54	60	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	68	68	65	68	64	62	68	61	59	68	58	56	65	56	53	62	53	51	59	51	49	57	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	68	68		68	68		68	68		68	68		68	68		68	68		67	67		66	66		65	61		64	57		63	54		60	50		57	47		54	45	
				Exposed	68	68		68	68		68	67		68	64		68	61		68	58		67	56		65	54		60	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	69	69		69	69		69	69		69	69		69	69		68	68		68	68		67	66		66	61		64	57		63	53		60	50		57	47		54	45	
				Exposed	69	69		69	69		69	67		69	64		69	61		68	58		67	56		64	54		60	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	68	70	69	64	70	65	61	69	62	58	69	59	55	68	56	52	66	52	48	65	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	70	64	60	70	61	56	70	57	53	70	54	50	70	51	47	67	49	45	65	47	43	62	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	68	71	68	64	71	65	61	71	62	58	70	59	55	69	56	52	68	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	71	64	60	71	60	56	71	57	53	71	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	68	72	68	64	72	65	61	72	62	57	71	59	55	70	56	52	69	52	48	66	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	72	64	60	72	60	56	72	57	53	72	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	61	74	62	57	73	59	55	72	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	62	57	74	59	55	74	56	52	70	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	74	64	60	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	72	74	72	68	74	68	64	74	65	60	74	61	57	74	59	54	74	56	52	70	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	74	64	59	74	60	56	74	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	2:12	9.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	64	61	66	60	57	65	56	54	62	53	51
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	64	61	66	59	57	64	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	60	57	62	56	54	61	53	51
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	59	57	62	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	57	61	56	54	60	53	51
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	57	61	55	53	60	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		61	61		60	58	
				Exposed	62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	60		62	56		62	53		60	50		57	47	
		6:12	26.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		62	62		62	61		61	58	
				Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	60		63	56		62	53		60	50		57	47	
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	60	64	60	55	63	55	51	62	52	48	61	49	45
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	63	58	64	60	56	64	55	51	64	51	47	64	47	43	61	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	64	60	65	59	55	64	55	51	63	52	48	62	49	45
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	61	66	63	58	66	60	56	66	55	51	66	51	47	65	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	68	64	60	67	59	55	66	55	51	65	52	48	64	49	45
				Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	68	65	61	68	62	58	68	60	55	68	55	51	68	51	46	65	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	65	70	64	60	69	59	55	68	55	51	66	52	48	65	49	45
				Exposed	70	70	70	70	70	70	70	70	70	70	70	68	70	69	64	70	65	61	70	62	58	70	60	55	70	55	51	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	65	71	64	59	71	59	55	69	55	51	68	52	48	67	49	45
				Exposed	71	71	71	71	71	71	71	71	71	71	71	68	71	68	64	71	65	61	71	62	58	71	59	55	71	55	50	69	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	71	73	69	65	73	64	59	73	59	55	71	55	51	70	52	48	67	49	44			
				Exposed	73	73	73	73	73	73	73	73	72	73	72	68	73	68	64	73	65	61	73	62	58	73	59	55	73	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	61	59	65	57	55	62	53	51	58	50	48	55	47	45	52	45	43
				Exposed	66	66	66	66	66	66	66	66	64	66	64	61	66	61	58	66	58	56	65	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	59	62	57	55	61	53	51	58	50	48	55	47	45	52	45	43
				Exposed	62	62	62	62	62	62	62	62	62	62	62	61	62	61	58	62	58	56	62	56	54	62	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	57	55	60	53	51	58	50	48	55	47	45	52	45	43
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	58	56	61	56	53	61	53	51	57	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	61		62	58		59	55		58	52		57	49	
				Exposed	62	62		62	62		62	62		62	62		62	62		62	62		62	61		62	59		62	54		61	51		57	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		62	62		61	58		60	55		59	52		58	49	
				Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	61		63	59		63	54		61	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	57	53	62	53	49	61	49	45	60	46	42	59	43	39	56	41	36
				Exposed	64	64	64	64	64	63	64	63	59	64	60	55	64	57	52	64	54	50	64	51	47	64	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	65	61	66	62	58	65	57	53	64	53	48	63	49	45	61	46	42	60	43	39	56	41	36
				Exposed	66	66	66	66	66	62	66	63	59	66	60	55	66	57	52	66	54	50	66	51	47	66	49	45	63	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	64	68	65	61	68	62	58	66	57	53	65	53	48	64	49	45	63	46	42	59	43	39	56	41	36
				Exposed	68	68	66	68	66	62	68	63	59	68	60	55	68	57	52	68	54	50	68	51	47	67	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	70	68	64	70	65	61	69	62	58	68	57	53	67	52	48	65	49	45	63	46	42	59	43	39	56	41	36
				Exposed	70	70	66	70	66	62	70	63	58	70	59	55	70	56	52	70	54	50	70	51	47	67	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	67	71	68	64	71	65	60	71	62	58	70	57	53	68	52	48	67	49	45	63	46	42	59	43	39	56	41	36
				Exposed	71	70	66	71	66	62	71	63	58	71	59	55	71	56	52	71	54	50	70	51	47	67	49	45	62	46	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	71	73	71	67	73	68	63	73	65	60	73	62	58	72	57	53	70	52	48	67	49	45	63	46	41	59	43	39	56	41	36
				Exposed	73	70	66	73	66	62	73	62	58	73	59	55	73	56	52	73	54	49	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	61	66	61	58	65	56	54	61	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	66	66	65	66	65	62	66	61	59	66	58	56	65	56	54	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	61	58	62	56	54	61	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	62	62	62	62	62	62	62	61	59	62	58	56	62	56	53	62	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	60	58	61	56	54	60	52	50	57	49	47	53	46	44	50	43	42	47	41	39
				Exposed	61	61	61	61	61	61	61	61	59	61	58	56	61	56	53	61	53	51	59	51	49	57	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	62	62		62	62		62	62		62	62		62	62		62	62		62	62		62	62		61	61		60	57		59	54		58	50		57	47		54	45	
				Exposed	62	62		62	62		62	62		62	62		62	61		62	58		62	56		62	54		60	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		61	61		60	57		59	53		58	50		57	47		54	45	
				Exposed	63	63		63	63		63	63		63	63		63	61		63	58		63	56		63	54		60	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	59	55	63	56	52	62	52	48	61	48	44	60	45	40	58	42	38	55	40	35	52	38	33
				Exposed	64	64	60	64	61	56	64	57	53	64	54	50	64	51	47	64	49	45	64	47	43	62	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	64	66	65	61	66	62	58	65	59	55	65	56	52	63	52	48	62	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	66	64	60	66	60	56	66	57	53	66	54	50	66	51	47	66	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	64	68	65	61	68	62	57	67	59	55	66	56	52	65	52	48	63	48	44	62	45	40	58	42	38	55	40	35	52	38	33
				Exposed	68	64	60	68	60	56	68	57	53	68	54	50	68	51	47	67	49	45	64	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	68	70	68	64	70	65	61	69	62	57	69	59	55	68	56	52	66	52	47	65	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	70	64	60	70	60	56	70	57	53	70	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	68	71	68	64	71	65	60	71	62	57	70	59	55	70	56	52	68	52	47	66	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	71	64	60	71	60	56	71	57	53	71	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	73	73	73	73	73	72	73	72	68	73	68	64	73	65	60	73	61	57	72	59	54	72	56	52	70	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	73	64	59	73	60	56	73	57	53	73	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – <u>Hip</u> Flush-Mount on 30 Foot Maximum Mean Roof Height – <u>Landscape</u> – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	2:12	9.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	57	61	56	54	60	53	51
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	57	61	55	53	60	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	54	57	53	51
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	53	57	51	49	56	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	53	51
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	53	56	51	49	56	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57	
				Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	56		57	53		57	50		57	47	
		6:12	26.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		57	57	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	56		58	53		58	50		57	47	
		7:12	30.3	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	55	59	55	51	59	52	48	58	49	45
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	56	59	55	51	59	51	47	59	47	43	59	44	40	58	42	37	55	40	35
		8:12	33.7	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	59	55	61	55	51	60	52	48	59	49	45
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	60	56	61	55	51	61	51	47	61	47	43	61	44	40	58	42	37	55	40	35
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	59	55	62	55	51	62	52	48	61	49	45
				Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	62	58	63	60	55	63	55	51	63	51	46	63	47	43	61	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	64	60	65	59	55	64	55	51	63	52	48	62	49	45
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	65	61	66	62	58	66	60	55	66	55	51	66	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	68	64	59	67	59	55	66	55	51	65	52	48	64	49	45
				Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	64	68	65	61	68	62	58	68	59	55	68	55	50	68	50	46	65	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	65	70	64	59	69	59	55	68	55	51	67	52	48	66	49	44
				Exposed	70	70	70	70	70	70	70	70	70	70	70	68	70	68	64	70	65	61	70	62	58	70	59	55	70	55	50	69	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	57	55	60	53	51	58	50	48	55	47	45	52	45	43
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	58	56	61	56	54	61	54	51	58	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	53	51	56	50	48	55	47	45	52	45	43
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	56	54	57	54	51	57	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	53	51	56	50	48	55	47	45	52	45	43
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	53	51	56	50	48	54	46	44	50	43	41	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		56	55		55	52		54	49	
				Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	54		57	51		57	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		57	57		56	55		56	52		55	49	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	54		58	51		57	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	57	53	59	53	49	58	49	45	57	46	42	56	43	39	55	41	36
				Exposed	59	59	59	59	59	59	59	59	59	59	59	55	59	57	52	59	54	50	59	51	47	59	49	45	59	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	57	53	60	53	48	59	49	45	58	46	42	57	43	39	56	41	36
				Exposed	61	61	61	61	61	61	61	61	59	61	60	55	61	57	52	61	54	50	61	51	47	61	49	45	61	46	41	58	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	62	58	63	57	53	62	53	48	61	49	45	60	46	42	58	43	39	56	41	36
				Exposed	63	63	63	63	63	62	63	63	59	63	60	55	63	57	52	63	54	50	63	51	47	63	49	45	63	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	65	61	66	62	58	65	57	53	63	52	48	62	49	45	61	46	42	59	43	39	56	41	36
				Exposed	66	66	66	66	66	62	66	63	58	66	59	55	66	56	52	66	54	50	66	51	47	66	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	64	68	65	60	68	62	58	66	57	53	65	52	48	64	49	45	63	46	42	59	43	39	56	41	36
				Exposed	68	68	66	68	66	62	68	63	58	68	59	55	68	56	52	68	54	50	68	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	70	68	63	70	65	60	70	62	58	68	57	53	67	52	48	66	49	45	63	46	41	59	43	39	56	41	36
				Exposed	70	70	66	70	66	62	70	62	58	70	59	55	70	56	52	70	54	49	70	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	56	54	60	52	50	57	49	47	53	46	44	50	43	42	48	41	39
				Exposed	61	61	61	61	61	61	61	61	59	61	58	56	61	56	54	61	53	51	59	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	54	57	52	50	56	49	47	53	46	44	50	43	42	47	41	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	56	57	56	53	57	53	51	57	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	52	50	55	49	47	53	46	44	50	43	42	47	41	39
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	53	51	56	51	49	56	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		56	56		56	54		55	50		54	47		53	45	
				Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	56		57	54		57	50		56	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		57	57		56	53		55	50		54	47		53	45	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	56		58	54		58	50		56	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	56	52	59	52	48	58	48	44	57	45	40	56	42	38	54	40	35	52	38	33
				Exposed	59	59	59	59	59	56	59	57	53	59	54	50	59	51	47	59	49	45	59	47	43	59	45	41	58	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	59	55	61	56	52	60	52	48	59	48	44	58	45	40	57	42	38	55	40	35	52	38	33
				Exposed	61	61	60	61	60	56	61	57	53	61	54	50	61	51	47	61	49	45	61	47	43	61	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	62	57	63	59	55	63	56	52	62	52	48	60	48	44	59	45	40	58	42	38	55	40	35	52	38	33
				Exposed	63	63	60	63	60	56	63	57	53	63	54	50	63	51	47	63	49	45	63	47	43	62	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	64	66	65	61	66	62	57	65	59	55	64	56	52	63	52	47	62	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	66	64	60	66	60	56	66	57	53	66	54	50	66	51	47	66	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	64	68	65	60	68	62	57	67	59	55	66	56	52	65	52	47	64	48	44	61	45	40	58	42	38	55	40	35	52	38	33
				Exposed	68	64	60	68	60	56	68	57	53	68	54	50	68	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	70	70	70	70	70	70	70	70	68	70	68	64	70	65	60	70	61	57	69	59	54	68	56	52	67	51	47	65	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	70	64	59	70	60	56	70	57	53	70	54	50	70	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	54	57	53	51
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	53	57	52	49	56	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	49	53	48	46	53	46	44	50	43	41
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	49	53	48	46	53	46	44	50	43	41
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	50		53	47	
		6:12	26.6	Non-Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54	
				Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	53		54	54		54	50		54	47	
		7:12	30.3	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	51	55	52	48	55	49	45
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	51	47	55	47	43	55	44	40	55	42	37	55	40	35
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	51	57	52	48	56	49	45
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	55	51	57	51	47	57	47	43	57	44	40	57	42	37	55	40	35
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	55	59	59	55	59	55	51	59	52	48	58	49	45
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	55	51	59	51	46	59	47	43	59	44	40	57	42	37	54	40	35
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	59	55	61	55	51	60	52	48	59	49	45
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	62	55	62	55	51	62	50	46	62	47	43	61	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	59	64	59	55	63	55	51	62	52	48	61	49	45
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	59	55	64	55	50	64	50	46	64	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	65	67	64	59	66	59	55	65	55	51	64	52	48	63	49	44
				Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	64	67	65	61	67	62	58	67	59	55	67	55	50	67	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	53	51	56	50	48	55	47	45	52	45	43
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	56	54	57	54	51	57	50	48	54	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	47	45	52	45	43	51	44	42
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	46	44	50	43	42	47	41	39	44	38	37	42	36	0	46	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	52	47	45	51	45	43	50	43	41
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	46	44	50	43	42	47	41	39	44	38	37	42	36	0	46	0	0
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	53		53	53		52	52		52	49	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	47		53	45		50	42		48	40	
		6:12	26.6	Non-Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		53	52		52	49	
				Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	51		54	47		53	44		50	42		48	40	
		7:12	30.3	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	53	49	55	49	45	54	46	42	53	43	39	53	41	36	52	40	36
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	54	50	55	51	47	55	49	45	55	46	41	55	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	53	57	53	48	56	49	45	56	46	42	55	43	39	54	41	36	52	40	36
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	52	57	54	50	57	51	47	57	49	45	57	46	41	57	43	38	55	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	57	53	59	53	48	58	49	45	57	46	42	56	43	39	55	41	36
				Exposed	59	59	59	59	59	59	59	59	59	59	59	55	59	57	52	59	54	50	59	51	47	59	49	45	59	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	57	53	61	52	48	60	49	45	58	46	42	57	43	39	56	41	36
				Exposed	62	62	62	62	62	58	62	59	55	62	56	52	62	54	50	62	51	47	62	49	45	62	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0	46	0	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	60	64	62	58	64	57	53	62	52	48	61	49	45	60	46	42	59	43	39	56	41	36
				Exposed	64	64	64	64	64	62	64	63	58	64	59	55	64	56	52	64	54	50	64	51	47	64	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	63	67	65	60	67	62	58	66	57	53	64	52	48	63	49	45	62	46	41	59	43	39	56	41	36
				Exposed	67	67	66	67	66	62	67	62	58	67	59	55	67	56	52	67	54	49	67	51	47	67	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	54	57	52	50	56	49	47	53	46	44	50	43	42	48	41	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	56	57	56	54	57	53	51	57	51	49	57	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	49	47	52	46	44	50	43	42	47	41	39
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	49	53	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	49	47	52	46	44	50	43	42	47	41	39
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	49	53	49	47	53	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		52	50		51	47		50	45	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	50		53	46		52	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		53	54		53	50		52	47		51	45	
				Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	50		54	46		52	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	52	48	55	48	44	54	45	40	53	42	38	52	40	35	51	38	33
				Exposed	55	55	55	55	55	55	55	55	53	55	54	50	55	51	47	55	49	45	55	47	43	55	45	41	55	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	56	52	57	52	48	56	48	44	55	45	40	54	42	38	53	40	35	52	38	33
				Exposed	57	57	57	57	57	56	57	57	53	57	54	50	57	51	47	57	49	45	57	47	43	57	45	41	57	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	55	59	56	52	59	52	48	58	48	44	57	45	40	55	42	38	54	40	35	52	38	33
				Exposed	59	59	59	59	59	56	59	57	53	59	54	50	59	51	47	59	49	45	59	47	43	59	45	41	57	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	57	62	59	55	61	56	52	60	52	47	59	48	44	58	45	40	57	42	38	55	40	35	52	38	33
				Exposed	62	62	60	62	60	56	62	57	53	62	54	50	62	51	47	62	49	45	62	47	43	61	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	60	64	62	57	64	59	55	63	56	52	62	52	47	61	48	44	60	45	40	58	42	38	55	40	35	52	38	33
				Exposed	64	64	60	64	60	56	64	57	53	64	54	50	64	51	47	64	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	64	67	65	60	67	61	57	66	59	54	65	56	52	64	51	47	63	48	44	61	45	40	58	42	37	54	40	35	52	38	33
				Exposed	67	64	59	67	60	56	67	57	53	67	54	50	67	51	47	67	49	45	64	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	49	53	48	46	53	46	44	50	43	41
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	48	46	50	46	44	50	43	41
		4:12	18.4	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	46	44	49	43	41
		5:12	22.6	Non-Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50	
				Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	47				
		6:12	26.6	Non-Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51	
				Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	50		51	47						
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	48	52	49	45			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	51	47	52	47	43	52	44	40	52	42	37	52	40	35
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	52	48	54	49	45						
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	51	47	54	47	43	54	44	40	54	42	37	54	40	35
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	55	51	56	52	48	55	49	45			
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	55	51	56	51	46	56	47	43	56	44	40	56	42	37	54	40	35
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	55	51	58	52	48	57	49	45			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	55	51	58	50	46	58	47	43	58	44	40	57	42	37	54	40	35
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	59	55	61	55	51	60	52	48	59	49	45
				Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	59	55	61	55	50	61	50	46	61	47	43	61	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	59	64	59	55	63	55	51	62	52	48	61	49	44
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	59	55	64	55	50	64	50	46	64	47	43	61	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	47	45	52	45	43			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	45	43			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	47	45	49	45	43			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	46	44	49	43	41	47	41	39	44	38	37	42	36	0			
		5:12	22.6	Non-Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		49	49				
				Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	47		50	45		50	42		48	40				
		6:12	26.6	Non-Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		50	49				
				Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	47		51	44		50	42		48	40				
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	45	52	46	42	51	43	39	50	41	36			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	46	41	52	43	38	52	40	35	51	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	53	48	54	49	45	53	46	42	52	43	39	52	41	36
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	51	47	54	49	45	54	46	41	54	43	38	54	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	53	48	55	49	45	55	46	42	54	43	39	53	41	36
				Exposed	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	54	50	56	51	47	56	49	45	56	46	41	56	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	53	58	52	48	57	49	45	56	46	42	55	43	39	54	41	36
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	56	52	58	54	50	58	51	47	58	49	45	58	46	41	58	42	38	55	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	61	60	61	61	58	61	57	53	60	52	48	59	49	45	58	46	42	57	43	39	56	41	36
				Exposed	61	61	61	61	61	61	61	61	61	58	61	59	55	61	56	52	61	54	50	61	51	47	61	49	45	61	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	60	64	62	58	63	57	53	62	52	48	61	49	45	60	46	41	59	43	39	56	41	36
				Exposed	64	64	64	64	64	62	64	62	58	64	59	55	64	56	52	64	54	49	64	51	47	64	49	45	62	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	49	47	53	46	44	50	43	42	48	41	39
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	49	53	49	47	53	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	46	44	49	43	42	47	41	39
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	49	47	50	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	46	44	49	43	42	47	41	39
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	45	44	49	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		49	47		48	45	
				Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	46		50	43		49	41		46	39		44	36	
		6:12	26.6	Non-Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		50	50		50	47		49	45	
				Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	50		51	46		51	43		49	41		46	39		44	36	
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	48	44	52	45	40	51	42	38	50	40	35	49	38	33
				Exposed	52	52	52	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	47	43	52	45	41	52	42	37	52	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	52	48	54	48	44	53	45	40	52	42	38	51	40	35	50	38	33
				Exposed	54	54	54	54	54	54	54	53	54	54	50	54	51	47	54	49	45	54	47	43	54	45	41	54	42	37	54	39	34	50	37	32	47	34	0	45	0	0	42	0	0			
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	52	48	55	48	44	54	45	40	53	42	38	52	40	35	51	38	33
				Exposed	56	56	56	56	56	56	56	53	56	54	50	56	51	47	56	49	45	56	47	43	56	45	41	56	42	37	54	39	34	50	37	32	47	34	0	44	0	0	42	0	0			
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	56	52	58	52	47	57	48	44	56	45	40	55	42	38	54	40	35	52	38	33
				Exposed	58	58	58	58	58	56	58	57	53	58	54	50	58	51	47	58	49	45	58	47	43	58	45	41	57	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	61	57	61	59	55	61	56	52	60	52	47	59	48	44	58	45	40	56	42	38	55	40	35	52	38	33
				Exposed	61	61	60	61	60	56	61	57	53	61	54	50	61	51	47	61	49	45	61	47	43	61	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	60	64	61	57	63	59	54	63	56	52	62	51	47	60	48	44	59	45	40	58	42	37	54	40	35	52	38	33
				Exposed	64	64	59	64	60	56	64	57	53	64	54	50	64	51	47	64	49	45	63	47	43	62	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	48	46	50	46	44	50	43	41
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	46	44	47	43	41
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	46	44	47	43	41
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	49	45
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	47	43	49	44	40	49	42	37	49	40	35
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45	51	51	45
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	47	43	51	44	40	51	42	37	51	40	35
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	52	48	53	49	45
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	46	53	47	43	53	44	40	53	42	37	53	40	35
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	51	55	52	48	55	49	45
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	51	55	50	46	55	47	43	55	44	40	55	42	37	54	40	35
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	55	51	58	52	48	57	49	45	56	46	41
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	55	50	58	50	46	58	47	43	58	44	40	57	42	37	54	40	35
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	59	55	60	55	51	60	52	48	59	49	44
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	60	55	50	60	50	46	60	47	43	60	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	45	43
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	46	44	50	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	45	47	45	43
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	43	42	47	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	45	47	45	43
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	43	42	47	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	46		47	43		47	45		47	42		47	40	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47		48	44		48	42		48	40		48	40	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	45	49	46	42	49	43	39	48	41	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	46	41	49	43	38	49	40	35	49	37	33	49	35	0	46	0	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	49	45	51	46	42	50	43	39
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	51	51	51	47	51	49	45	51	46	41	51	43	38	51	40	35	51	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	48	53	49	45	53	46	42	52	43	39
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	51	47	53	49	45	53	46	41	53	42	38	53	40	35	51	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	52	48	55	49	45	54	46	42	53	43	39	52	41	36			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	54	50	55	51	47	55	49	45	55	46	41	55	42	38	55	40	35	51	37	33	48	35	0	46	0	0			
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	52	48	57	49	45	56	46	42	55	43	39	54	41	36			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	56	52	58	54	50	58	51	47	58	49	45	58	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0		
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	57	53	60	52	48	59	49	45	58	46	41	57	43	39	56	41	36
				Exposed	60	60	60	60	60	60	60	60	58	60	59	55	60	56	52	60	54	49	60	51	47	60	49	45	60	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	46	44	50	43	42	48	41	39
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	49	47	50	46	44	49	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	42	47	41	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	42	46	41	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	44	47	42	41	46	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		46	45	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	46		47	43		47	41		46	39		44	36	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47		47	45	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	46		48	43		48	41		46	39		44	36	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	48	44	49	45	40	49	42	38	48	40	35	47	38	33
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	47	43	49	45	41	49	42	37	49	39	34	49	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	48	44	51	45	40	50	42	38	49	40	35	48	38	33
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	47	51	49	45	51	47	43	51	45	41	51	42	37	51	39	34	50	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	52	48	53	48	44	52	45	40	51	42	38	50	40	35	50	38	33
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	45	41	53	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	52	47	55	48	44	54	45	40	53	42	38	52	40	35	51	38	33
				Exposed	55	55	55	55	55	55	55	55	53	55	54	50	55	51	47	55	49	45	55	47	43	55	45	41	55	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	56	52	58	52	47	57	48	44	56	45	40	55	42	38	53	40	35	52	38	33
				Exposed	58	58	58	58	58	56	58	57	53	58	54	50	58	51	47	58	49	45	58	47	43	58	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	59	54	60	56	52	60	51	47	58	48	44	57	45	40	56	42	37	54	40	35	52	38	33
				Exposed	60	60	59	60	60	56	60	57	53	60	54	50	60	51	47	60	49	45	60	47	43	60	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
50	B	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	44	48	43	41
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41
		5:12	22.6	Non-Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45	
				Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45	
		6:12	26.6	Non-Exposed	46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46	
				Exposed	46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46	
		7:12	30.3	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	44	40	47	42	37	47	40	35
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	47	43	49	44	40	49	42	37	49	40	35
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	47	43	50	44	40	50	42	37	50	40	35
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	52	48	53	49	45
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	46	53	47	43	53	44	40	53	42	37	53	40	35
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	51	55	52	48	55	49	45
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	50	55	50	46	55	47	43	55	44	40	55	42	37	54	40	35
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	55	51	58	52	48	57	49	44
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	55	50	58	50	46	58	47	43	58	44	40	57	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	45	48	45	43
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	44	48	43	42	47	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	42	45	41	39	44	38	37	42	36	0
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	41	39	44	38	37	42	36	0
		5:12	22.6	Non-Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45	
				Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	42		45	40	
		6:12	26.6	Non-Exposed	46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46	
				Exposed	46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	44		46	42		46	40	
		7:12	30.3	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	42	47	43	39	47	41	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	41	47	43	38	47	40	35	47	37	33	47	35	0	46	0	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	46	42	49	43	39	48	41	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	46	41	49	43	38	49	40	35	49	37	33	49	35	0	46	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	42	50	43	39	49	41	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	46	41	50	42	38	50	40	35	50	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	48	53	49	45	52	46	42	52	43	39	51	41	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	51	47	53	49	45	53	46	41	53	42	38	53	40	35	51	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	52	48	55	49	45	54	46	42	53	43	39	52	41	36
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	54	50	55	51	47	55	49	45	55	45	41	55	42	38	54	40	35	51	37	33	48	35	0	46	0	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	53	58	52	48	57	49	45	56	46	41	55	43	39	54	41	36
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	56	52	58	54	49	58	51	47	58	49	45	58	45	41	58	42	38	54	40	35	51	37	33	48	35	0	46	0	0
	D	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	46	44	48	43	42	47	41	39
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	46	44	48	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	42	45	41	39
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	42	41	45	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	42	44	41	39
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	41	44	40	38	43	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45	
				Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	43		45	41		45	39		44	36	
		6:12	26.6	Non-Exposed	46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		45	45	
				Exposed	46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	46		46	43		46	41		46	39		44	36	
		7:12	30.3	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	45	40	47	42	38	46	40	35	46	38	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	45	41	47	42	37	47	39	34	47	37	32	47	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	48	44	49	45	40	48	42	38	48	40	35	47	38	33
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	47	43	49	45	41	49	42	37	49	39	34	49	37	32	47	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	44	50	45	40	50	42	38	49	40	35	48	38	33
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	47	43	50	45	41	50	42	37	50	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	52	47	53	48	44	52	45	40	51	42	38	50	40	35	49	38	33
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	45	41	53	42	37	53	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	52	47	55	48	44	54	45	40	53	42	38	52	40	35	51	38	33
				Exposed	55	55	55	55	55	55	55	55	53	55	54	50	55	51	47	55	49	45	55	47	43	55	45	41	55	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	54	58	56	52	58	51	47	57	48	44	56	45	40	55	42	37	54	40	35	52	38	33
				Exposed	58	58	58	58	58	56	58	57	53	58	54	50	58	51	47	58	49	45	58	47	43	58	45	41	57	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	2:12	9.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	43	41	46	43	41
		3:12	14.0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	41
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	41
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	44	40	45	42	37	45	40	35	45	40	35
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	44	40	46	42	37	46	40	35	46	40	35
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	47	43	48	44	40	48	42	37	48	40	35
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	49	45
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	47	43	50	44	40	50	42	37	50	40	35
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	52	48	53	49	45	53	49	45
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	50	46	53	47	43	53	44	40	53	42	37	53	40	35
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	55	56	55	51	56	52	48	55	49	44
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	55	50	56	50	46	56	47	43	56	44	40	56	42	37	54	40	35
	C	2:12	9.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	46	46	45	43
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	43	42	46	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	38	37	42	36	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	41	39	42	38	37	42	36	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		43	40		43	40	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	42		44	40		44	40	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	39	45	41	36	45	41	36
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	43	38	45	40	35	45	37	33	45	35	0	45	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	42	46	43	39	46	41	36	46	41	36
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	41	46	43	38	46	40	35	46	37	33	46	35	0	46	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	42	48	43	39	48	41	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	46	41	48	42	38	48	40	35	48	37	33	48	35	0	46	0	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	42	50	43	39	49	41	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	46	41	50	42	38	50	40	35	50	37	33	48	35	0	46	0	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	52	47	53	48	44	52	45	40	51	42	38	50	40	35
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	45	41	53	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	52	56	51	47	55	48	44	54	45	40	53	42	37	52	40	35	51	38	33
				Exposed	56	56	56	56	56	56	56	56	53	56	54	50	56	51	47	56	49	45	56	47	43	56	45	41	56	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
	D	2:12	9.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	42	41	46	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	40	38	43	37	36	41	0	0	39	0	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	37	0	41	0	0	39	0	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	41		43	39		43	36	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	43		44	41		44	39		44	36	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	40	45	42	38	45	40	35	44	38	33
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	42	37	45	39	34	45	37	32	45	34	0	45	0	0	42	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	45	40	46	42	38	46	40	35	45	38	33
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	45	41	46	42	37	46	39	34	46	37	32	46	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	45	40	48	42	38	47	40	35	47	38	33
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	45	41	48	42	37	48	39	34	48	37	32	47	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	48	44	50	45	40	50	42	38	49	40	35	48	38	33
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	47	43	50	45	41	50	42	37	50	39	34	50	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	52	47	53	48	44	52	45	40	51	42	38	50	40	35	50	38	33
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	45	41	53	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	52	56	51	47	55	48	44	54	45	40	53	42	37	52	40	35	51	38	33
				Exposed	56	56	56	56	56	56	56	56	53	56	54	50	56	51	47	56	49	45	56	47	43	56	45	41	56	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
60	B	2:12	9.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
		4:12	18.4	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
		5:12	22.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
		6:12	26.6	Non-Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
				Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
		7:12	30.3	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	42	37	43	40	35	43	40	35
		8:12	33.7	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	44	40	45	42	37	45	40	35
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	44	40	46	42	37	46	40	35
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	46	42	49	43	39
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	47	43	49	44	40	49	42	37	49	40	35
		11:12	42.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	48	45	51	46	42	51	46	41	51	45	40
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	47	51	49	45	51	51	45	51	50	46	51	47	43	51	44	40	49	42	37	49	40	35
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	48	53	49	44	53	46	41
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	50	46	53	47	43	53	44	40	53	42	37	53	40	35	53	40	35
	C	2:12	9.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	42	44	41	39	44	38	37	42	36	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
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		4:12	18.4	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	37	41	36	0
		5:12	22.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	40	
		6:12	26.6	Non-Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
				Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	40	
		7:12	30.3	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	36	43	41	36
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	40	35	43	37	33	43	35	0	43	0	0
		8:12	33.7	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	39	45	41	36	45	41	36
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	43	38	45	40	35	45	37	33	45	35	0	45	0	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	42	46	43	39	46	41	36	46	41	36
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	41	46	42	38	46	40	35	46	37	33	46	35	0	46	0	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	46	42	49	43	39	48	41	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	46	41	49	42	38	49	40	35	49	37	33	48	35	0	46	0	0	42	0	0	42	0	0
		11:12	42.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	49	45	51	46	42	50	43	39	50	41	36
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	47	51	49	45	51	45	41	51	42	38	51	40	35	51	37	33	48	35	0	46	0	0	46	0	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	48	53	49	45	53	46	41	52	43	39	51	41	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	45	41	53	42	38	53	40	35	51	37	33	48	35	0	46	0	0	46	0	0
	D	2:12	9.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	42	44	41	39	44	41	39
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	41	44	40	38	43	37	36	41	0	0	39	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	36	41	0	0	39	0	0	39	0	0
		4:12	18.4	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	0	41	0	0	39	0	0	39	0	0
		5:12	22.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	39		41	36	
		6:12	26.6	Non-Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
				Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	41		42	39		42	36	
		7:12	30.3	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	42	38	43	40	35	43	38	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	37	43	39	34	43	37	32	43	34	0	43	0	0	42	0	0
		8:12	33.7	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	40	45	42	38	45	40	35	44	38	33
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	42	37	45	39	34	45	37	32	45	34	0	45	0	0	42	0	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	45	40	46	42	38	46	40	35	45	38	33
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	41	46	42	37	46	39	34	46	37	32	46	34	0	44	0	0	42	0	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	48	44	49	45	40	48	42	38	47	40	35	47	38	33
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	47	43	49	45	41	49	42	37	49	39	34	49	37	32	47	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	48	44	51	45	40	50	42	38	49	40	35	48	38	33
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	47	51	49	45	51	47	43	51	45	41	51	42	37	51	39	34	50	36	32	47	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	51	47	53	48	44	53	45	40	52	42	37	51	40	35	50	38	33
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	45	41	53	42	37	53	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		5:12	22.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	35	40	40	35
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	40	35
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	40	35
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	40	45	45	42	37	45	40	35
		11:12	42.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	44	40	47	42	37	47	40	35
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	44	50	46	41
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	47	43	50	44	40	50	42	37	50	40	35
	C	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	37	41	36	0
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	0
		5:12	22.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	40	40	40	35	40	37	33	40	35	0
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	35	41	37	33	41	35	0	41	0	0
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	36
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	40	35	43	37	33	43	35	0
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	39
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	42	38	45	40	35	45	37	33	45	35	0
		11:12	42.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	43	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	41	47	42	38	47	40	35	47	37	33	47	35	0	46	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	41	50	43	39	49	41	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	45	41	50	42	38	50	40	35	50	37	33
	D	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	36	41	0	0	39	0	0	39	0	0
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	36	38	0	0	38	0	0	38	0	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	0	38	0	0	38	0	0	38	0	0
		5:12	22.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	36	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	36	
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	35	40	38	33
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	39	34	40	37	32	40	34	0	40	0	0	40	0	0
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	40	35	41	38	33
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	37	41	39	34	41	37	32	41	34	0	41	0	0	41	0	0
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	42	38	43	40	35	43	38	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	37	43	39	34	43	37	32	43	34	0	43	0	0	42	0	0
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	40	45	42	38	45	40	35	44	38	33
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	42	37	45	39	34	45	37	32	45	34	0	44	0	0	42	0	0
		11:12	42.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	45	40	47	42	38	47	40	35	46	38	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	45	41	47	42	37	47	39	34	47	36	32	47	34	0	44	0	0	42	0	0	42	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	48	44	50	45	40	49	42	37	48	40	35	48	38	33
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	47	43	50	45	41	50	42	37	50	39	34	50	36	32	47	34	0	44	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
80	B	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	39
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	40	35
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	44	40	47	42	37	47	40	35
	C	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	0	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	33	38	38	33
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	39	35
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	37	41	41	35
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
	D	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	37	32	38	34	0	38	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	38	33
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	37	32	39	34	0	39	0	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	40	35	41	38	33
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	37	41	39	34	41	37	32	41	34	0	41	0	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	40	35	42	38	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	37	42	39	34	42	37	32	42	34	0	42	0	0	42	0	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	45	40	45	42	38	45	40	35	44	38	33
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	42	37	45	39	34	45	36	32	45	34	0	44	0	0	42	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	45	40	47	42	37	46	40	35	46	38	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	45	41	47	42	37	47	39	34	47	36	32	47	34	0	44	0	0	42	0	0			

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	40	35
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	42	37	44	40	35
	C	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	37	33	38	35	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	35	40	37	33
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	36
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	35
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	36
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	38	44	40	35
	D	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	34	0	35	0	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	33
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	32	37	34	0	37	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	32	38	34	0	38	0	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	33
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	34	40	37	0	40	0	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	37	42	39	34	42	36	32
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	33
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	42	37	44	39	34

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
100	B	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		6:12	26.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	35
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	40	35
	C	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		6:12	26.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	35	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	37	32
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
	D	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		6:12	26.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	34	34	34	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	35	34	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	36	36	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	32	36	36	34	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	37	32	38	34	0	38	0	0	38	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	33
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	39	34	40	36	32	40	34	0	40	0	0	40	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	37	42	39	34	42	36	32	42	34	0	42	0	0	42	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		7:12	30.3	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	35
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	35
	C	2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		7:12	30.3	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	36	36	0
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	38	38	38	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	35
	D	2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		7:12	30.3	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	33	33	33	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	35	35	35	35	35	32	35	34	0	35	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	36	36	36	36	36	32	36	34	0	36	0	0
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	36	32	38	34	0	38	0	0	38	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	33
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	39	34	40	36	32	40	34	0	40	0	0	40	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 40 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
120	B	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	37	33	39	35	0	39	0	0
	C	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	34	0	35	0	0	35	0	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	37	33
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	32	37	34	0	37	0	0	37	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	35	39	38	33	
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	34	39	39	32	39	34	0	39	0	0	39	0	0
	D	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	34	0	35	0	0	35	0	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	37	33
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	32	37	34	0	37	0	0	37	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	35	39	38	33	
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	34	39	39	32	39	34	0	39	0	0	39	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	72	60	74	66	55	74	62	52	69	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	70	74	74	65	74	74	62	74	72	59	74	68	57	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	64	74	72	59	74	66	55	74	61	52	68	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	69	74	74	65	74	74	62	74	71	59	74	68	56	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	71	63	74	67	60	74	61	56	71	57	52	66	53	49	62	50	46	58	47	43	55	45	41
				Exposed	74	74	69	74	72	64	74	68	61	74	64	58	74	61	55	73	58	53	70	56	51	67	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	70	63	74	67	60	74	61	56	71	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	74	74	69	74	72	64	74	68	61	74	64	58	74	61	55	73	58	53	69	56	51	66	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	70	62	74	67	60	74	61	56	71	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	74	74	68	74	72	64	74	68	61	74	64	58	74	61	55	72	58	53	69	56	51	66	53	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	68	61	74	62	57	74	58	52	72	55	49	68	52	46	64	49	43
				Exposed	74	74	74	74	74	73	74	74	68	74	71	64	74	67	61	74	64	58	74	61	55	74	59	53	71	54	48	66	51	45	62	47	41	58	45	39	55	42	36	52	40	0
	B	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	68	61	74	62	56	74	58	52	72	55	49	67	52	46	63	49	43
				Exposed	74	74	74	74	74	72	74	74	68	74	71	64	74	67	61	74	64	58	74	61	55	74	58	53	71	54	48	66	51	45	61	47	41	58	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51	58	55	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	73	63	74	69	61	71	66	58	64	61	53	60	57	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51	58	55	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	63	74	69	61	70	66	58	64	61	53	60	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	70	65	57	65	61	54	61	58	50	57	54	48			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	63	74	69	60	70	66	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	70	65	57	64	61	54	61	57	50			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	69	65	57	64	61	54	60	57	50						
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	61	69	65	57	64	61	54	60	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
		Flat	0	Non-Exposed	74	74	74	74	74	73	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	71	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	74	74	61	74	69	57	74	65	55	74	62	52	70	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	72	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	70	59	50	65	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	74	73	60	74	69	57	74	65	54	74	62	52	70	59	50	66	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	74	74	72	74	74	67	74	71	63	74	67	60	74	63	57	74	60	55	72	58	53	69	56	51	64	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	74	62	57	74	59	54	70	56	51	66	54	49	63	51	47	60	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	74	72	74	74	67	74	71	63	74	67	60	74	63	57	74	60	55	72	58	53	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	74	62	57	74	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	74	71	74	74	67	74	71	63	74	66	60	74	63	57	74	60	55	72	58	52	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	37	0
				Exposed	74	62	56	74	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	63	57	74	61	55	74	56	50	69	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	74	69	62	74	65	59	74	61	56	74	58	53	74	56	50	70	53	48	67	51	45	64	49	43	59	46	40	55	43	37	52	40	0	46	0	0	43	0	0			
0	C	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	63	74	66	60	74	63	57	74	61	55	74	56	50	68	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	74	69	62	74	65	59	74	61	55	74	58	53	73	56	50	70	53	47	67	51	45	64	49	43	59	46	40	55	43	37	52	40	0	46	0	0	43	0	0			
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	67	63	55	62	59	51	58	55	48	54	51	45	51	49	42	49	46	40
				Exposed	74	74	69	74	74	65	74	70	61	70	66	58	67	62	55	63	60	53	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	74	68	60	67	63	55	62	58	51	58	55	48	54	51	45	51	49	42	48	46	39
				Exposed	74	74	69	74	74	64	74	69	61	70	66	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	73	68	60	67	63	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	73	68	60	67	62	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	73	68	60	66	62	55	61	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	65	74	71	62	72	68	60	66	62	55	61	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	73	69	60	70	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		Flat	0	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	53	71	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	52	71	59	50	67	56	48	63	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	74	73	64	74	68	61	74	64	58	74	61	55	72	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	64	51	47	61	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	72	64	74	68	61	74	63	58	74	60	55	72	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	72	64	74	67	61	74	63	58	74	60	55	72	58	52	68	55	50	65	53	48	63	51	46	58	47	43	54	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74	73	74	74	68	74	71	64	74	67	60	74	63	57	74	60	55	74	58	52	73	56	50	67	52	46	62	48	42	58	45	39	55	42	37	52	40	34	49	38	0
				Exposed	74	62	57	74	59	53	74	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
	D	6:12	26.6	Non-Exposed	74	74	73	74	74	68	74	71	64	74	67	60	74	63	57	74	60	54	74	58	52	73	56	50	67	51	46	62	48	42	58	45	39	55	42	36	52	40	0	49	38	0
				Exposed	74	62	56	74	59	53	74	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	57	66	62	55	61	58	51	57	54	47	53	50	44	50	47	41	47	45	38	45	42	36
				Exposed	74	71	62	72	67	59	67	63	56	63	60	53	60	57	50	58	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	69	65	57	66	62	55	61	58	50	57	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	74	71	62	71	66	59	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	69	65	57	66	62	55	61	57	50	56	54	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	71	62	71	66	58	67	63	55	63	60	53	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	63	73	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	67	62	55	63	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	62	72	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	66	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	72	67	59	69	64	57	65	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	70	66	58	66	62	55	63	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	72	60	74	66	55	74	62	52	69	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	70	74	74	65	74	74	62	74	72	59	74	68	57	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	64	74	72	59	74	66	55	74	61	52	68	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	69	74	74	65	74	74	62	74	71	59	74	68	56	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	71	63	74	67	60	74	61	56	71	57	52	66	53	49	62	50	46	58	47	43	55	45	41
				Exposed	74	74	69	74	72	64	74	68	61	74	64	58	74	61	55	73	58	53	70	56	51	67	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	70	63	74	67	60	74	61	56	71	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	74	74	69	74	72	64	74	68	61	74	64	58	74	61	55	73	58	53	69	56	51	66	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	70	62	74	67	60	74	61	56	71	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	74	74	68	74	72	64	74	68	61	74	64	58	74	61	55	72	58	53	69	56	51	66	53	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	68	61	74	62	57	74	58	52	72	55	49	68	52	46	64	49	43
				Exposed	74	74	74	74	74	73	74	74	68	74	71	64	74	67	61	74	64	58	74	61	55	74	59	53	71	54	48	66	51	45	62	47	41	58	45	39	55	42	36	52	40	0
		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	68	61	74	62	56	74	58	52	72	55	49	67	52	46	63	49	43
				Exposed	74	74	74	74	74	72	74	74	68	74	71	64	74	67	61	74	64	58	74	61	55	74	58	53	71	54	48	66	51	45	61	47	41	58	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51	58	55	48			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	73	63	74	69	61	71	66	58	64	61	53	60	57	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51	58	55	48			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	63	74	69	61	70	66	58	64	61	53	60	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	70	65	57	65	61	54	61	58	50	57	54	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	63	74	69	60	70	66	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	70	65	57	64	61	54	61	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	69	65	57	64	61	54	60	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	61	69	65	57	64	61	54	60	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	74	74	74	74	74	73	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	71	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	74	74	61	74	69	57	74	65	55	74	62	52	70	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	72	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	70	59	50	65	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	74	73	60	74	69	57	74	65	54	74	62	52	70	59	50	66	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	74	74	72	74	74	67	74	71	63	74	67	60	74	63	57	74	60	55	72	58	53	69	56	51	64	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	74	62	57	74	59	54	70	56	51	66	54	49	63	51	47	60	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	74	72	74	74	67	74	71	63	74	67	60	74	63	57	74	60	55	72	58	53	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	74	62	57	74	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	74	71	74	74	67	74	71	63	74	66	60	74	63	57	74	60	55	72	58	52	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	37	0
				Exposed	74	62	56	74	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	63	57	74	61	55	74	56	50	69	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	74	69	62	74	65	59	74	61	56	74	58	53	74	56	50	70	53	48	67	51	45	64	49	43	59	46	40	55	43	37	52	40	34	49	37	0	46	0	0	43	0	0
		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	63	74	66	60	74	63	57	74	61	55	74	56	50	68	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	74	69	62	74	65	59	74	61	55	74	58	53	73	56	50	70	53	47	67	51	45	64	49	43	59	46	40	55	43	37	52	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	67	63	55	62	59	51	58	55	48	54	51	45	52	42	38	49	46	40
				Exposed	74	74	69	74	74	65	74	70	61	70	66	58	67	62	55	63	60	53	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	74	68	60	67	63	55	62	58	51	58	55	48	54	51	45	51	49	42	48	46	39
				Exposed	74	74	69	74	74	64	74	69	61	70	66	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	74	69	60	67	63	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	73	68	60	67	62	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	73	68	60	66	62	55	61	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	69	74	74	65	74	71	62	72	68	60	66	62	55	61	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	73	69	60	70	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	53	71	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	52	71	59	50	67	56	48	63	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	74	73	64	74	68	61	74	64	58	74	61	55	72	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	64	51	47	61	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	72	64	74	68	61	74	63	58	74	60	55	72	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	72	64	74	67	61	74	63	58	74	60	55	72	58	52	68	55	50	65	53	48	63	51	46	58	47	43	54	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74	73	74	74	68	74	71	64	74	67	60	74	63	57	74	60	55	74	58	52	73	56	50	67	52	46	62	48	42	58	45	39	55	42	37	52	40	34	49	38	0
				Exposed	74	62	57	74	59	53	74	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		6:12	26.6	Non-Exposed	74	74	73	74	74	68	74	71	64	74	67	60	74	63	57	74	60	54	74	58	52	73	56	50	67	51	46	62	48	42	58	45	39	55	42	36	52	40	0	49	38	0
				Exposed	74	62	56	74	59	53	74	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	57	66	62	55	61	58	51	57	54	47	53	50	44	50	47	41	47	45	38	45	42	36
				Exposed	74	71	62	72	67	59	67	63	56	63	60	53	60	57	50	58	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	69	65	57	66	62	55	61	58	50	57	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	74	71	62	71	66	59	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	69	65	57	66	62	55	61	58	50	57	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	74	71	62	71	66	59	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	63	73	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	67	62	55	63	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	62	72	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	66	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	72	67	59	69	64	57	65	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	70	66	58	66	62	55	63	59	52	59	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	72	60	74	66	55	74	62	52	69	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	70	74	74	65	74	74	62	74	72	59	74	68	57	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	64	74	72	59	74	66	55	74	61	52	68	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	69	74	74	65	74	74	62	74	71	59	74	68	56	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	71	63	74	67	60	74	61	56	71	57	52	66	53	49	62	50	46	58	47	43	55	45	41
				Exposed	74	74	69	74	72	64	74	68	61	74	64	58	74	61	55	73	58	53	70	56	51	67	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	70	63	74	67	60	74	61	56	71	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	74	74	69	74	72	64	74	68	61	74	64	58	74	61	55	73	58	53	69	56	51	66	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	69	74	74	66	74	70	62	74	67	60	74	61	56	71	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	74	74	68	74	72	64	74	68	61	74	64	58	74	61	55	72	58	53	69	56	51	66	53	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	68	61	74	62	57	74	58	52	72	55	49	68	52	46	64	49	43
				Exposed	74	74	74	74	74	73	74	74	68	74	71	64	74	67	61	74	64	58	74	61	55	74	59	53	71	54	48	66	51	45	62	47	41	58	45	39	55	42	36	52	40	0
	B	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	68	61	74	62	56	74	58	52	72	55	49	67	52	46	63	49	43
				Exposed	74	74	74	74	74	72	74	74	68	74	71	64	74	67	61	74	64	58	74	61	55	74	58	53	71	54	48	66	51	45	61	47	41	58	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51	58	55	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	73	63	74	69	61	71	66	58	64	61	53	60	57	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51	58	55	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	63	74	69	61	70	66	58	64	61	53	60	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	70	65	57	65	61	54	61	58	50	57	54	48			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	63	74	69	60	70	66	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	67	74	71	62	70	65	58	65	61	54	61	58	51			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	69	65	57	64	61	54	60	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	61	69	65	57	64	61	54	60	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
		Flat	0	Non-Exposed	74	74	74	74	74	73	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	71	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	74	74	61	74	69	57	74	65	55	74	62	52	70	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	72	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	70	59	50	65	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	74	73	60	74	69	57	74	65	54	74	62	52	70	59	50	66	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	74	74	72	74	74	67	74	71	63	74	67	60	74	63	57	74	60	55	72	58	53	69	56	51	64	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	74	62	57	74	59	54	70	56	51	66	54	49	63	51	47	60	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	74	72	74	74	67	74	71	63	74	67	60	74	63	57	74	60	55	72	58	53	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	74	62	57	74	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	74	71	74	74	67	74	71	63	74	66	60	74	63	57	74	60	55	72	58	52	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	37	0
				Exposed	74	62	56	74	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	63	74	67	60	74	63	57	74	61	55	74	56	50	69	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	74	69	62	74	65	59	74	61	56	74	58	53	74	56	50	70	53	48	67	51	45	64	49	43	59	46	40	55	43	37	52	40	34	49	37	0	46	0	0	43	0	0
10	C	6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	71	74	74	67	74	70	63	74	66	60	74	63	57	74	61	55	74	56	50	68	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	74	69	62	74	65	59	74	61	55	74	58	53	73	56	50	70	53	47	67	51	45	64	49	43	59	46	40	55	43	37	52	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	67	63	55	62	59	51	58	55	48	54	51	45	51	49	42	49	46	40
				Exposed	74	74	69	74	74	65	74	70	61	70	66	58	67	62	55	63	60	53	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	74	68	60	67	63	55	62	58	51	58	55	48	54	51	45	51	49	42	48	46	39
				Exposed	74	74	69	74	74	64	74	69	61	70	66	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	73	68	60	67	63	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	63	73	68	60	67	62	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	73	68	60	66	62	55	61	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	65	74	71	62	72	68	60	66	62	55	61	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	60	70	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		Flat	0	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	53	71	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	52	71	59	50	67	56	48	63	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	74	73	64	74	68	61	74	64	58	74	61	55	72	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	64	51	47	61	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	72	64	74	68	61	74	63	58	74	60	55	72	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	72	64	74	67	61	74	63	58	74	60	55	72	58	52	68	55	50	65	53	48	63	51	46	58	47	43	54	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74	73	74	74	68	74	71	64	74	67	60	74	63	57	74	60	55	74	58	52	73	56	50	67	52	46	62	48	42	58	45	39	55	42	37	52	40	34	49	38	0
				Exposed	74	62	57	74	59	53	74	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
	D	6:12	26.6	Non-Exposed	74	74	73	74	74	68	74	71	64	74	67	60	74	63	57	74	60	54	74	58	52	73	56	50	67	51	46	62	48	42	58	45	39	55	42	36	52	40	0	49	38	0
				Exposed	74	62	56	74	59	53	74	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	57	66	62	55	61	58	51	57	54	47	53	50	44	50	47	41	47	45	38	45	42	36
				Exposed	74	71	62	72	67	59	67	63	56	63	60	53	60	57	50	58	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	69	65	57	66	62	55	61	58	50	57	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	74	71	62	71	66	59	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	69	65	57	66	62	55	61	57	50	56	54	47	53	50	43	50	47	41	47	44	38	42	42	36
				Exposed	74	71	62	71	66	58	67	63	55	63	60	53	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	63	73	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	66	62	55	63	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	62	72	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	66	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	72	67	59	69	64	57	65	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	70	66	58	66	62	55	63	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	72	60	74	66	55	74	62	52	69	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	70	74	74	65	74	74	62	74	72	59	74	68	57	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	74	64	74	72	59	74	66	55	74	61	52	68	58	49	64	54	46	60	51	43
				Exposed	74	74	74	74	74	69	74	74	65	74	74	62	74	71	59	74	68	56	74	65	54	74	62	52	68	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	71	71	66	71	71	63	71	67	60	71	61	56	71	57	52	66	53	49	62	50	46	58	47	43	55	45	41
				Exposed	71	71	69	71	71	64	71	68	61	71	64	58	71	61	55	71	58	53	70	56	51	67	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	67	63	67	67	60	67	61	56	67	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	67	67	67	67	67	64	67	67	61	67	64	58	67	61	55	67	58	53	67	56	51	66	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	70	70	66	70	70	62	70	67	60	70	61	56	70	57	52	66	53	48	62	50	46	58	47	43	55	45	41
				Exposed	70	70	68	70	70	64	70	68	61	70	64	58	70	61	55	70	58	53	69	56	51	66	53	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	70	68	61	70	62	57	70	58	52	70	55	49	68	52	46	64	49	43
				Exposed	70	70	70	70	70	70	70	70	68	70	70	64	70	67	61	70	64	58	70	61	55	70	59	53	70	54	48	66	51	45	62	47	41	58	45	39	55	42	36	52	40	0
		6:12	26.6	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	70	70	67	70	68	61	70	62	56	70	58	52	70	55	49	67	52	46	63	49	43
				Exposed	70	70	70	70	70	70	70	70	68	70	70	64	70	67	61	70	64	58	70	61	55	70	58	53	70	54	48	66	51	45	61	47	41	58	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	67	69	69	62	67	65	58	65	61	54	61	58	51	58	55	48
				Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	67	71	71	63	71	69	61	71	66	58	64	61	53	60	57	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	67	70	70	62	68	65	58	65	61	54	61	58	51	58	55	48
				Exposed	72	72	72	72	72	72	72	72	72	72	72	70	72	72	67	72	72	63	72	69	61	70	66	58	64	61	53	60	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	67	71	70	62	69	65	57	65	61	54	61	58	50	57	54	48
				Exposed	73	73	73	73	73	73	73	73	73	73	73	70	73	73	67	73	72	63	73	69	60	70	66	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	73	74	74	67	72	70	62	70	65	57	64	61	54	61	57	50	57	54	47
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	74	69	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	62	69	65	57	64	61	54	60	57	50	57	54	47
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	67	74	70	61	69	65	57	64	61	54	60	57	50	57	54	47			
				Exposed	74	74	74	74	74	74	74	74	73	74	74	70	74	74	66	74	72	63	73	68	60	70	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	74	74	74	74	74	73	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	71	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	74	74	61	74	69	57	74	65	55	74	62	52	70	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	74	74	74	74	74	72	74	74	68	74	74	64	74	74	61	74	71	59	74	67	56	74	64	54	70	59	50	65	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	74	73	60	74	69	57	74	65	54	74	62	52	70	59	50	66	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	71	71	71	71	71	67	71	71	63	71	67	60	71	63	57	71	60	55	71	58	53	69	56	51	64	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	71	62	57	71	59	54	70	56	51	66	54	49	63	51	47	60	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	67	67	67	67	67	67	67	67	63	67	67	60	67	63	57	67	60	55	67	58	53	67	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	67	62	57	67	59	54	67	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	70	70	70	70	70	67	70	70	63	70	66	60	70	63	57	70	60	55	70	58	52	69	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	37	0
				Exposed	70	62	56	70	59	54	70	56	51	66	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	67	70	70	63	70	67	60	70	63	57	70	61	55	70	56	50	69	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	70	69	62	70	65	59	70	61	56	70	58	53	70	56	50	70	53	48	67	51	45	64	49	43	59	46	40	55	43	37	52	40	34	49	37	0	46	0	0	43	0	0
		6:12	26.6	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	67	70	70	63	70	66	60	70	63	57	70	61	55	70	56	50	68	52	46	64	49	43	60	46	40	56	43	38	53	41	35
				Exposed	70	69	62	70	65	59	70	61	55	70	58	53	70	56	50	70	53	47	67	51	45	64	49	43	59	46	40	55	43	37	52	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	70	66	69	69	63	68	68	60	67	63	55	62	59	51	58	55	48	54	51	45	51	49	42	49	46	40
				Exposed	71	71	69	71	71	65	71	70	61	70	66	58	67	62	55	63	60	53	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	70	71	71	66	70	70	63	69	68	60	67	63	55	62	58	51	58	55	48	54	51	45	51	49	42	48	46	39
				Exposed	72	72	69	72	72	64	72	69	61	70	66	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	69	72	72	66	71	71	63	70	68	60	67	63	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	73	73	68	73	73	64	73	69	61	70	65	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	73	71	63	72	68	60	67	62	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	73	68	60	66	62	55	61	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	74	74	68	74	73	64	74	69	61	70	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
				Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
	D	Flat	0	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	53	71	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	74	74	70	74	74	65	74	74	62	74	71	59	74	67	56	74	64	54	73	61	51	70	59	49	64	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	74	66	55	74	62	52	71	59	50	67	56	48	63	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	71	71	64	71	68	61	71	64	58	71	61	55	71	58	53	69	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	71	57	52	67	54	49	64	51	47	61	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	67	67	64	67	67	61	67	63	58	67	60	55	67	58	53	67	55	50	66	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	67	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	70	70	64	70	67	61	70	63	58	70	60	55	70	58	52	68	55	50	65	53	48	63	51	46	58	47	43	54	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	70	57	52	67	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	70	70	70	70	70	68	70	70	64	70	67	60	70	63	57	70	60	55	70	58	52	70	56	50	67	52	46	62	48	42	58	45	39	55	42	37	52	40	34	49	38	0
				Exposed	70	62	57	70	59	53	70	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		6:12	26.6	Non-Exposed	70	70	70	70	70	68	70	70	64	70	67	60	70	63	57	70	60	54	70	58	52	70	56	50	67	51	46	62	48	42	58	45	39	55	42	36	52	40	0	49	38	0
				Exposed	70	62	56	70	59	53	70	56	50	70	54	48	67	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	70	70	70	66	69	69	63	68	68	60	67	65	57	66	62	55	61	58	51	57	54	47	53	50	44	50	47	41	47	45	38	45	42	36
				Exposed	71	71	62	71	67	59	67	63	56	63	60	53	60	57	50	58	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	72	72	72	72	72	72	72	72	70	71	71	66	70	70	63	69	68	60	68	65	57	66	62	55	61	58	50	57	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	72	71	62	71	66	59	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	73	73	73	73	73	73	73	73	70	72	72	66	71	71	63	70	68	60	69	65	57	66	62	55	61	57	50	56	54	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	73	71	62	71	66	58	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	73	71	63	72	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	67	62	55	63	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	70	74	74	66	74	71	62	72	68	60	69	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	71	66	58	66	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	73	74	74	69	74	74	66	74	71	62	72	67	59	69	64	57	65	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	74	70	62	70	66	58	66	62	55	63	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	68	72	72	65	72	72	60	72	66	55	72	62	52	69	58	49	64	54	46	60	51	43
				Exposed	72	72	72	72	72	70	72	72	65	72	72	62	72	72	59	72	68	57	72	65	54	72	62	52	68	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	68	69	69	64	69	69	59	69	66	55	69	61	52	68	58	49	64	54	46	60	51	43
				Exposed	69	69	69	69	69	69	69	69	65	69	69	62	69	69	59	69	68	56	69	65	54	69	62	52	68	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	60	64	61	56	64	57	52	64	53	49	62	50	46	58	47	43	55	45	41
				Exposed	64	64	64	64	64	64	64	64	61	64	64	58	64	61	55	64	58	53	64	56	51	64	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	56	60	57	52	60	53	48	60	50	46	58	47	43	55	45	41
				Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	58	53	60	56	51	60	54	49	60	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	64	60	64	61	56	64	57	52	64	53	48	62	50	46	58	47	43	55	45	41
				Exposed	64	64	64	64	64	64	64	64	61	64	64	58	64	61	55	64	58	53	64	56	51	64	53	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	57	64	58	52	64	55	49	64	52	46	63	49	43
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	64	58	64	61	55	64	59	53	64	54	48	64	51	45	62	47	41	58	45	39	55	42	36	52	40	0
	B	6:12	26.6	Non-Exposed	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	61	65	62	56	65	58	52	65	55	49	64	52	46	63	49	43
				Exposed	65	65	65	65	65	65	65	65	65	65	65	64	65	65	61	65	64	58	65	61	55	65	58	53	65	54	48	65	51	45	61	47	41	58	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	64	64	62	63	63	58	61	61	54	60	58	51	58	55	48
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	61	66	66	58	64	61	53	60	57	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	66	66	65	65	62	64	64	58	62	61	54	61	58	51	58	55	48
				Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	63	67	67	61	67	66	58	64	61	53	60	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	66	66	62	65	65	57	63	61	54	61	58	50	57	54	48
				Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	63	68	68	60	68	66	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	67	68	68	62	66	65	57	64	61	54	61	58	50	57	54	48
				Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	63	70	70	60	70	70	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	67	69	69	62	68	65	57	64	61	54	60	57	50	57	54	47
				Exposed	71	71	71	71	71	71	71	71	71	71	71	70	71	71	66	71	71	63	71	68	60	70	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	67	71	70	61	69	65	57	64	61	54	60	57	50	57	54	47
				Exposed	73	73	73	73	73	73	73	73	73	73	73	70	73	73	66	73	72	63	73	68	60	70	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
		Flat	0	Non-Exposed	72	72	72	72	72	72	72	72	68	72	72	64	72	72	61	72	71	59	72	67	56	72	64	54	71	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	72	72	61	72	69	57	72	65	55	72	62	52	70	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	69	69	69	69	69	69	69	69	68	69	69	64	69	69	61	69	69	59	69	67	56	69	64	54	69	59	50	65	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	69	69	60	69	69	57	69	65	54	69	62	52	69	59	50	66	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	63	64	64	60	64	63	57	64	60	55	64	58	53	64	56	51	64	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	64	62	57	64	59	54	64	56	51	64	54	49	63	51	47	60	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	60	55	60	58	53	60	55	50	60	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	60	60	57	60	59	54	60	56	51	60	53	49	60	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	64	64	64	64	64	64	64	64	63	64	64	60	64	63	57	64	60	55	64	58	52	64	55	50	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	37	0
				Exposed	64	62	56	64	59	54	64	56	51	64	53	49	63	51	46	60	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	60	64	63	57	64	61	55	64	56	50	64	52	46	63	49	43	60	46	40	56	43	38	53	41	35
				Exposed	64	64	62	64	64	59	64	61	56	64	58	53	64	56	50	64	53	48	64	51	45	64	49	43	59	46	40	55	43	37	52	40	34	49	37	0	46	0	0	43	0	0
20	C	6:12	26.6	Non-Exposed	65	65	65	65	65	65	65	65	65	65	65	65	65	65	63	65	65	60	65	63	57	65	61	55	65	56	50	64	52	46	63	49	43	60	46	40	56	43	38	53	41	35
				Exposed	65	65	62	65	65	59	65	61	55	65	58	53	65	56	50	65	53	47	65	51	45	64	49	43	59	46	40	55	43	37	52	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	65	65	65	64	64	63	63	63	60	62	62	55	60	59	51	58	55	48	54	51	45	51	49	42	49	46	40
				Exposed	66	66	66	66	66	65	66	66	61	66	66	58	65	62	55	63	60	53	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	66	66	65	65	63	64	64	60	63	63	55	61	58	51	58	55	48	54	51	45	51	49	42	48	46	39
				Exposed	67	67	67	67	67	64	67	67	61	67	66	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	67	67	66	66	66	63	66	66	60	64	63	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	68	68	68	68	68	64	68	68	61	68	65	58	66	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	69	69	66	68	68	63	67	67	60	65	62	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	70	70	68	70	70	64	70	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	70	70	66	70	70	62	69	68	60	66	62	55	61	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	71	71	68	71	71	64	71	69	61	70	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	72	73	73	69	72	72	65	71	71	62	70	68	60	66	62	55	61	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	73	73	68	73	73	64	73	69	60	70	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		Flat	0	Non-Exposed	72	72	70	72	72	65	72	72	62	72	71	59	72	67	56	72	64	54	72	61	51	70	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	72	66	55	72	62	53	71	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	69	69	69	69	69	65	69	69	62	69	69	59	69	67	56	69	64	54	69	61	51	69	59	49	64	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	69	66	55	69	62	52	69	59	50	67	56	48	63	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	64	64	64	64	64	61	64	64	58	64	61	55	64	58	53	64	55	50	64	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	64	57	52	64	54	49	64	51	47	61	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	58	60	60	55	60	58	53	60	55	50	60	53	48	60	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	60	57	52	60	54	49	60	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	64	64	64	64	64	61	64	63	58	64	60	55	64	58	52	64	55	50	64	53	48	63	51	46	58	47	43	54	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	64	57	52	64	54	49	63	51	47	60	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	60	64	63	57	64	60	55	64	58	52	64	56	50	64	52	46	62	48	42	58	45	39	55	42	37	52	40	34	49	38	0
				Exposed	64	62	57	64	59	53	64	56	50	64	54	48	64	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
	D	6:12	26.6	Non-Exposed	65	65	65	65	65	65	65	65	64	65	65	60	65	63	57	65	60	54	65	58	52	65	56	50	64	51	46	62	48	42	58	45	39	55	42	36	52	40	0	49	38	0
				Exposed	65	62	56	65	59	53	65	56	50	65	54	48	65	51	45	64	49	43	61	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	65	65	65	65	65	65	64	64	63	63	63	60	62	62	57	62	62	55	60	58	51	57	54	47	53	50	44	50	47	41	47	45	38	45	42	36
				Exposed	66	66	62	66	66	59	65	63	56	63	60	53	60	57	50	58	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	67	67	67	67	67	67	67	67	67	66	66	66	65	65	63	64	64	60	63	63	57	63	62	55	61	58	50	57	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	67	67	62	67	66	59	67	63	55	63	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	67	67	66	66	66	66	63	66	66	60	65	65	57	64	62	55	60	57	50	56	54	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	68	68	62	68	66	58	67	63	55	63	60	53	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	69	69	66	68	68	63	67	67	60	66	64	57	65	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	70	70	62	70	66	58	67	62	55	63	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	70	71	71	66	70	70	62	69	68	60	68	64	57	66	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	71	70	62	71	66	58	66	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	69	72	72	66	71	71	62	70	67	59	69	64	57	65	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	73	70	62	70	66	58	66	62	55	63	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	Flat	0	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	71	71	65	71	71	60	71	66	55	71	62	52	69	58	49	64	54	46	60	51	43
				Exposed	71	71	71	71	71	70	71	71	65	71	71	62	71	71	59	71	68	57	71	65	54	71	62	52	68	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	64	68	68	59	68	66	55	68	61	52	68	58	49	64	54	46	60	51	43			
				Exposed	68	68	68	68	68	68	68	68	65	68	68	62	68	68	59	68	68	56	68	65	54	68	62	52	68	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	61	56	63	57	52	63	53	49	62	50	46	58	47	43	55	45	41			
				Exposed	63	63	63	63	63	63	63	63	61	63	63	58	63	61	55	63	58	53	63	56	51	63	54	49	61	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	57	52	59	53	48	59	50	46	58	47	43	55	45	41			
				Exposed	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	58	53	59	56	51	59	54	49	59	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	57	52	58	53	48	58	50	46	58	47	43	55	45	41			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	58	53	59	56	51	59	54	49	59	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	52	58	55	49	58	52	46	58	49	43			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	54	48	58	51	45	58	47	41	58	45	39	55	42	36	52	40	0
		6:12	26.6	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	58	52	59	55	49	59	52	46	59	49	43			
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	58	53	59	54	48	59	51	45	59	47	41	58	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	58	58	58	54	57	57	51	56	55	48
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	53	60	57	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	60	60	58	59	59	54	58	58	51	57	55	48
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	61	53	60	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	61	61	57	60	60	54	59	58	50	57	54	48
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	60	64	64	58	63	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	63	64	64	62	63	63	57	61	61	54	60	57	50	57	54	47
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	60	66	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	65	65	62	64	64	57	63	61	54	60	57	50	57	54	47
				Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	67	63	67	67	60	67	65	58	64	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	67	67	67	61	66	65	57	64	61	54	60	57	50	57	54	47
				Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	66	69	69	63	69	68	60	69	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	71	71	71	71	71	71	71	71	68	71	71	64	71	71	61	71	71	59	71	67	56	71	64	54	71	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	71	71	61	71	69	57	71	65	55	71	62	52	70	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	64	68	68	61	68	68	59	68	67	56	68	64	54	68	59	50	65	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	68	68	60	68	68	57	68	65	54	68	62	52	68	59	50	66	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	60	63	63	57	63	60	55	63	58	53	63	56	51	63	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	63	62	57	63	59	54	63	56	51	63	54	49	63	51	47	60	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	55	59	58	53	59	55	50	59	51	47	59	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	59	59	57	59	59	54	59	56	51	59	53	49	59	51	46	59	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	52	58	55	50	58	51	47	58	48	44	55	45	41	52	42	38	49	40	0	46	37	0
				Exposed	58	58	56	58	58	54	58	56	51	58	53	49	58	51	46	58	49	44	58	47	43	55	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	56	50	58	52	46	58	49	43	58	46	40	56	43	38	53	41	35
				Exposed	58	58	58	58	58	58	58	58	56	58	58	53	58	56	50	58	53	48	58	51	45	58	49	43	58	46	40	55	43	37	52	40	34	49	37	0	46	0	0	43	0	0
		6:12	26.6	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	55	59	56	50	59	52	46	59	49	43	58	46	40	56	43	38	53	41	35
				Exposed	59	59	59	59	59	59	59	59	55	59	58	53	59	56	50	59	53	47	59	51	45	59	49	43	59	46	40	55	43	37	52	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	58	58	55	57	57	51	56	55	48	54	51	45	51	49	42	49	46	40
				Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	60	53	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	60	60	60	59	59	55	58	58	51	57	55	48	54	51	45	51	49	42	48	46	39
				Exposed	62	62	62	62	62	62	62	62	61	62	62	58	62	62	55	62	60	52	60	57	50	58	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	62	62	60	61	61	55	59	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	64	64	64	64	64	64	64	64	61	64	64	58	64	62	55	63	60	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	65	65	64	64	63	63	63	60	62	62	55	61	58	51	58	55	48	54	51	45	51	48	42	48	46	39
				Exposed	66	66	66	66	66	66	66	66	61	66	65	58	65	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	66	66	66	66	62	65	65	60	63	62	55	61	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	67	67	67	67	67	64	67	67	61	67	65	58	66	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	68	68	65	68	68	62	67	67	60	65	62	55	61	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	69	69	68	69	69	64	69	69	60	69	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	71	71	70	71	71	65	71	71	62	71	71	59	71	67	56	71	64	54	71	61	51	70	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	71	66	55	71	62	53	71	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	68	68	68	68	68	65	68	68	62	68	68	59	68	67	56	68	64	54	68	61	51	68	59	49	64	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	68	66	55	68	62	52	68	59	50	67	56	48	63	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	63	63	63	63	63	61	63	63	58	63	61	55	63	58	53	63	55	50	63	53	48	63	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	63	57	52	63	54	49	63	51	47	61	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	59	59	59	59	59	59	59	59	58	59	59	55	59	58	53	59	55	50	59	53	48	59	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	59	57	52	59	54	49	59	51	47	59	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	52	58	55	50	58	53	48	58	51	46	58	47	43	54	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	58	57	52	58	54	49	58	51	47	58	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	52	58	56	50	58	52	46	58	48	42	57	45	39	55	42	37	52	40	34	49	38	0	46	0	0
				Exposed	58	58	57	58	58	53	58	56	50	58	54	48	58	51	45	58	49	43	58	47	41	58	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		6:12	26.6	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	57	59	59	54	59	58	52	59	56	50	59	51	46	59	48	42	58	45	39	55	42	36	52	40	0	49	38	0	46	0	0
				Exposed	59	59	56	59	59	53	59	56	50	59	54	48	59	51	45	59	49	43	59	47	41	59	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	59	57	58	58	55	57	57	51	55	54	47	53	50	44	50	47	41	47	45	38	45	42	36
				Exposed	60	60	60	60	60	59	60	60	56	60	60	53	60	57	50	58	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	61	61	61	60	60	60	60	60	60	57	59	59	55	58	58	50	56	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	62	62	62	62	62	59	62	62	55	62	60	53	60	57	50	58	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	62	62	62	60	61	61	57	60	60	55	59	57	50	56	54	47	53	50	43	50	47	41	47	44	38
				Exposed	64	64	62	64	64	58	64	63	55	63	60	53	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	65	65	65	64	64	63	63	63	60	62	62	57	62	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	66	66	62	66	66	58	66	62	55	63	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	66	66	66	62	65	65	60	64	64	57	63	62	55	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	67	67	62	67	66	58	66	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	69	69	69	69	69	69	69	69	69	68	68	66	68	68	62	67	67	59	66	64	57	65	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	69	69	62	69	66	58	66	62	55	63	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground	Exposure	Roof	Roof	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
Snow Load	Category	Pitch	Angle	Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	Flat	0	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	65	67	67	60	67	66	55	67	62	52	67	58	49	64	54	46	60	51	43
				Exposed	67	67	67	67	67	67	67	67	65	67	67	62	67	67	59	67	67	57	67	65	54	67	62	52	67	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	55	62	61	52	62	58	49	62	54	46	60	51	43
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	56	62	62	54	62	62	52	62	57	48	62	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	57	52	58	53	49	58	50	46	58	47	43	55	45	41
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	56	51	58	54	49	58	50	45	57	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	53	48	54	50	46	54	47	43	54	45	41
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	51	54	54	49	54	50	45	54	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	50	46	53	47	43	53	45	41
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	50	45	53	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	52	46	53	49	43
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	48	53	51	45	53	47	41	53	45	39	53	42	36	52	40	0
		6:12	26.6	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	52	46	54	49	43
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	48	54	51	45	54	47	41	54	44	39	54	42	36	52	40	0
		7:12	30.3	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	54	54	54	51	53	53	48
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	56	49	56	53	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	54	55	55	51	54	54	48
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	53	57	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	57	57	57	54	56	56	50	55	54	48
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	60	60	57	59	59	54	58	57	50	57	54	47
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	58	62	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	62	62	62	61	61	57	60	60	54	59	57	50	57	54	47
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	60	64	64	58	63	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	64	64	61	63	63	57	62	61	54	60	57	50	57	54	47
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	66	60	66	65	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	64	67	67	61	67	67	59	67	67	56	67	64	54	67	59	50	65	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	67	67	61	67	67	57	67	65	55	67	62	52	67	59	50	67	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	59	62	62	56	62	62	54	62	59	50	62	55	46	60	51	43	57	48	41	53	46	38	50	43	0
				Exposed	62	62	60	62	62	57	62	62	54	62	62	52	62	59	50	62	56	47	62	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	53	58	56	51	58	51	47	58	48	44	55	45	41	52	42	38	49	40	0	46	38	0
				Exposed	58	58	57	58	58	54	58	56	51	58	54	49	58	51	47	58	49	45	58	47	43	56	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	51	47	54	48	44	54	45	41	52	42	38	49	40	0	46	38	0
				Exposed	54	54	54	54	54	54	54	54	51	54	53	49	54	51	46	54	49	44	54	47	43	54	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	51	47	53	48	44	53	45	41	52	42	38	49	40	0	46	37	0
				Exposed	53	53	53	53	53	53	53	53	51	53	53	49	53	51	46	53	49	44	53	47	43	53	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	52	46	53	49	43	53	46	40	53	43	38	53	41	35
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	51	45	53	49	43	53	46	40	53	43	37	52	40	34	49	37	0	46	0	0	43	0	0
		6:12	26.6	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	54	52	46	54	49	43	54	46	40	54	43	38	53	41	35
				Exposed	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	53	47	54	51	45	54	49	43	54	46	40	54	43	37	52	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	55	54	54	51	53	53	48	52	51	45	51	49	42	49	46	40
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	53	56	56	50	56	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	55	55	55	51	54	54	48	53	51	45	51	49	42	48	46	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	57	50	57	55	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	55	56	56	51	55	55	48	54	51	45	51	48	42	48	46	39
				Exposed	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	59	52	59	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	61	61	61	61	60	60	60	59	59	55	58	58	51	57	55	48	54	51	45	51	48	42	48	46	39
				Exposed	62	62	62	62	62	62	62	62	61	62	62	58	62	62	55	61	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	63	63	63	63	62	62	62	60	61	61	55	59	58	51	57	54	48	54	51	45	51	48	42	48	46	39
				Exposed	64	64	64	64	64	64	64	64	61	64	64	58	64	62	55	63	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	65	64	64	62	64	64	60	62	62	55	61	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	66	66	66	66	66	64	66	66	60	66	65	57	66	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	67	67	67	67	67	65	67	67	62	67	67	59	67	67	56	67	64	54	67	61	51	67	59	49	64	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	67	66	55	67	62	53	67	59	50	67	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	59	62	62	56	62	62	54	62	61	51	62	59	49	62	54	46	59	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	62	62	55	62	62	52	62	59	50	62	56	48	62	54	45	60	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	55	50	58	53	48	58	51	46	58	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	58	57	52	58	54	49	58	51	47	58	49	45	58	47	43	55	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	53	48	54	51	46	54	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	54	54	52	54	54	49	54	51	47	54	49	45	54	47	43	54	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	53	48	53	51	46	53	47	43	53	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	53	53	52	53	53	49	53	51	47	53	49	45	53	47	43	53	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	52	46	53	48	42	53	45	39	53	42	37	52	40	34	49	38	0
				Exposed	53	53	53	53	53	53	53	53	50	53	53	48	53	51	45	53	49	43	53	47	41	53	45	39	53	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		6:12	26.6	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	51	46	54	48	42	54	45	39	54	42	36	52	40	0	49	38	0
				Exposed	54	54	54	54	54	53	54	54	50	54	54	48	54	51	45	54	49	43	54	47	41	54	45	39	54	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	55	55	55	55	54	54	51	53	53	47	52	50	44	50	47	41	47	45	38	45	42	36
				Exposed	56	56	56	56	56	56	56	56	56	56	56	53	56	56	50	56	55	48	55	53	46	53	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	55	55	55	50	54	54	47	53	50	43	50	47	41	47	45	38	44	42	36
				Exposed	57	57	57	57	57	57	57	57	55	57	57	53	57	57	50	57	55	48	55	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	58	57	57	57	55	56	56	50	55	54	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	59	59	59	59	59	58	59	59	55	59	59	53	59	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	61	61	61	61	61	61	60	60	60	60	60	57	59	59	55	58	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	62	62	62	62	62	58	62	62	55	61	60	52	60	57	50	58	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	63	63	63	63	63	62	62	62	60	61	61	57	60	60	55	59	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	64	64	62	64	64	58	64	62	55	63	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	66	66	66	66	66	66	66	66	66	65	65	65	64	64	62	64	64	59	63	63	57	62	62	54	60	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	66	66	62	66	66	58	66	62	55	63	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	Flat	0	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	63	55	63	62	52	63	58	49	63	54	46	60	51	43
				Exposed	63	63	63	63	63	63	63	63	63	63	63	62	63	63	59	63	63	57	63	63	54	63	62	52	63	57	48	62	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	52	58	58	49	58	54	46	58	51	43
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	54	58	58	52	58	57	48	58	53	45	58	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	53	49	54	50	46	54	47	43	54	45	41
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	51	54	54	49	54	50	45	54	46	42	53	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43	50	45	41
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	45	50	46	42	50	43	39	50	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43	50	45	41
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	45	50	46	42	50	43	39	50	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	49	43			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	47	41	50	45	39	50	42	36	50	40	0
		6:12	26.6	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	43
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45	51	47	41	51	44	39	51	42	36	51	40	0
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	48
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46	52	50	43	50	47	40	47	44	38
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	53	52	52	51	52	52	48
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	49	54	53	46	52	50	43	49	47	40	47	44	38
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	55	55	55	54	54	54	50	53	53	48
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	56	49	55	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	56	56	54	55	55	50	54	54	47
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	53	58	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	57	58	58	54	57	57	50	56	54	47
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	53	59	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	62	61	60	60	57	59	59	54	58	57	50	57	54	47
				Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	63	58	63	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	59	63	63	56	63	63	54	63	59	50	63	55	46	60	52	43	57	48	41	53	46	38	50	43	0
				Exposed	63	63	61	63	63	57	63	63	55	63	62	52	63	59	50	63	56	47	63	54	45	61	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	54	58	58	50	58	55	46	58	51	43	57	48	41	53	46	38	50	43	0
				Exposed	58	58	58	58	58	57	58	58	54	58	58	52	58	58	50	58	56	47	58	54	45	58	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	51	54	51	47	54	48	44	54	45	41	52	42	38	49	40	0	46	38	0
				Exposed	54	54	54	54	54	54	54	54	51	54	54	49	54	51	47	54	49	45	54	47	43	54	45	41	51	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	48	44	50	45	41	50	42	38	49	40	0	46	38	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	49	44	50	47	43	50	45	41	50	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	48	44	50	45	41	50	42	38	49	40	0	46	37	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	49	44	50	47	43	50	45	41	50	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	49	43	50	46	40	50	43	38	50	41	35
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	49	43	50	46	40	50	43	37	50	40	34	49	37	0	46	0	0	43	0	0
		6:12	26.6	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	46	51	49	43	51	46	40	51	43	38	51	41	35
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	47	51	51	45	51	49	43	51	46	40	51	43	37	51	40	0	49	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	48	50	50	45	49	49	42	48	46	40
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	46	52	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	51	52	52	48	51	51	45	50	49	42	48	46	39
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	54	48	54	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	55	54	54	51	53	53	48	52	51	45	51	48	42	48	46	39
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	56	50	56	55	48	54	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	55	55	55	51	54	54	48	53	51	45	51	48	42	48	46	39
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	52	58	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	58	58	55	57	57	51	56	54	48	54	51	45	51	48	42	48	46	39
				Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	62	62	62	62	62	61	61	60	60	60	55	59	58	51	57	54	48	54	51	44	51	48	42	48	46	39
				Exposed	63	63	63	63	63	63	63	63	60	63	63	57	63	62	55	62	59	52	60	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	63	63	63	63	63	63	63	63	62	63	63	59	63	63	56	63	63	54	63	61	51	63	59	49	63	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	63	63	55	63	63	59	50	63	57	48	63	54	45	60	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0		
		1:12	4.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	54	58	58	51	58	58	49	58	54	46	58	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	58	58	55	58	58	52	58	58	50	58	56	48	58	54	45	58	52	43	58	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	53	48	54	51	46	54	47	43	54	44	40	51	41	37	48	39	0	45	0	0	42	0	0
				Exposed	54	54	52	54	54	49	54	51	47	54	49	45	54	47	43	54	45	41	53	43	39	51	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43	50	44	40	50	41	37	48	39	0	45	0	0	42	0	0	0	0	0
				Exposed	50	50	50	50	50	49	50	50	47	50	49	45	50	47	43	50	45	41	50	43	39	50	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43	50	44	40	50	41	37	47	39	0	45	0	0	42	0	0
				Exposed	50	50	50	50	50	49	50	50	47	50	49	45	50	47	43	50	45	41	50	43	39	50	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	48	42	50	45	39	50	42	37	50	40	34	49	38	0		
				Exposed	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	49	43	50	47	41	50	45	39	50	42	36	50	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		6:12	26.6	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	46	51	48	42	51	45	39	51	42	36	50	40	0	49	38	0
				Exposed	51	51	51	51	51	51	51	51	50	51	51	48	51	51	45	51	49	43	51	47	41	51	45	39	51	42	36	51	39	0	47	0	0	45	0	0	42	0	0	40	0	0
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	50	50	47	49	49	44	48	47	41	47	45	38	45	42	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	46	52	51	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	53	52	52	50	51	51	47	50	50	43	49	47	41	47	45	38	44	42	36
				Exposed	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	54	48	54	53	50	54	54	48	54	53	46	53	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	55	55	55	55	54	54	50	53	53	47	52	50	43	50	47	41	47	44	38	44	42	36
				Exposed	56	56	56	56	56	56	56	56	55	56	56	56	56	56	53	56	56	50	56	56	53	56	56	50	54	54	49	47	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	57	57	57	56	56	55	55	55	54	54	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	58	58	58	58	58	58	58	58	55	58	58	52	58	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	59	57	58	58	55	57	57	50	55	53	47	53	50	43	50	47	41	47	44	38	44	42	36		
				Exposed	60	60	60	60	60	58	60	60	55	60	60	52	60	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	62	62	62	62	62	62	61	61	59	60	60	57	60	60	54	58	57	50	56	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	63	63	62	63	63	58	63	62	55	62	59	52	60	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	55	59	59	52	59	58	49	59	54	46	59	51	43
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	54	59	59	52	59	57	48	59	53	45	58	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	55	49	55	54	46	55	51	43
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	55	52	55	55	48	55	53	45	55	50	42	55	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	47	43	50	45	41
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	45	50	46	42	50	43	39	50	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	45	41			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	42	47	43	39	47	41	37	47	38	0	45	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	45	41			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	42	47	43	39	47	41	37	47	38	0	45	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43						
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	41	47	45	39	47	42	36	47	40	0
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46						
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	47	41	48	44	39	48	42	36	48	40	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48						
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	49	43	49	47	40	47	44	38			
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	50	50	48				
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	43	49	47	40	47	44	38			
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	52	52	50	51	51	48		
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	53	53	46	52	50	43	49	47	40	47	44	38
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	53	52	50	47	44		
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	49	55	53	46	52	50	43	49	47	40	47	44	38
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	56	56	54	55	55	50	54	54	47
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	53	57	56	49	56	53	46	52	50	43	49	47	40	47	44	38
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	58	58	57	57	57	54	56	56	50	55	54	47
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	53	59	56	49	55	53	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	54	59	59	50	59	55	46	59	52	43	57	48	41	53	46	38	50	43	0
				Exposed	59	59	59	59	59	57	59	59	55	59	59	52	59	59	50	59	56	47	59	54	45	59	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	55	50	55	55	46	55	51	43	55	48	41	53	46	38	50	43	0			
				Exposed	55	55	55	55	55	55	55	55	54	55	55	52	55	55	50	55	55	47	55	54	45	55	52	44	55	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	48	44	50	45	41	49	40	0	46	38	0			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	49	50	50	47	50	49	45	50	47	43	50	45	41	50	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	45	41	47	42	38	47	40	0	46	38	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	47	47	43	47	45	41	47	42	38	47	39	0	45	0	0	40	0	0	42	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	45	41	47	42	38	47	40	0	46	37	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	47	47	43	47	45	41	47	42	38	47	39	0	45	0	0	40	0	0	42	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	46	40	47	43	38	47	41	35
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	40	47	43	37	47	40	34	47	37	0	46	0	0	43	0	0
40		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	46	40	48	43	38	48	41	35
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	48	43	48	46	40	48	43	37	48	40	0	48	37	0	46	0	0	43	0	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	45	47	47	42	46	46	40
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	44	49	48	41	47	45	38	44	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	50	50	48	49	49	45	48	48	42	47	46	39
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	44	50	48	41	47	45	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	51	51	51	48	50	50	45	49	48	42	48	46	39
				Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	53	48	53	51	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0						
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	53	53	51	52	52	48	51	51	45	50	48	42	48	46	39
				Exposed	55	55	55	55	55	55	55	55	55	55	55	52	55	55	50	55	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0						
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	55	55	55	51	54	54	48	53	51	45	51	48	42	48	46	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	52	57	57	50	57	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0						
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	59	59	59	58	58	55	57	57	51	55	54	48	54	51	44	51	48	42	48	46	39
				Exposed	60	60	60	60	60	60	60	60	60	60	60	57	60	60	55	60	59	52	59	57	50	58	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	54	59	59	51	59	59	49	59	54	46	59	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	59	59	55	59	59	53	59	59	50	59	57	48	59	54	45	59	52	43	58	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	55	51	55	55	49	55	54	46	55	50	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	55	55	55	55	55	52	55	55	50	55	55	48	55	54	45	55	52	43	55	49	42	55	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	47	43	50	44	40	50	41	37	48	39	0	45	0	0	42	0	0
				Exposed	50	50	50	50	50	49	50	50	47	50	49	45	50	47	43	50	45	41	50	43	39	50	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	44	40	47	41	37	47	39	0	45	0	0	42	0	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	45	41	47	43	39	47	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	44	40	47	41	37	47	39	0	45	0	0	42	0	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	45	41	47	43	39	47	41	38	47	38	0	44	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	45	39	47	42	37	47	40	34	47	38	0			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	47	41	47	45	39	47	42	36	47	39	0	47	0	0	45	0	0	42	0	0	40	0	0			
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	42	48	45	39	48	42	36	48	40	0	47	38	0			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	47	41	48	45	39	48	42	36	48	39	0	47	0	0	45	0	0	42	0	0	40	0	0			
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	47	47	44	47	47	41	46	45	38	45	42	36		
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	49	49	47	49	49	43	48	47	41	47	45	38	44	42	36	
				Exposed	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	46	51	50	44	49	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50	51	51	47	50	50	43	49	47	41	47	44	38	44	42	36	
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	53	53	50	52	52	47	51	50	43	50	47	41	47	44	38	44	42	36	
				Exposed	55	55	55	55	55	55	55	55	55	55	55	52	55	55	50	55	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	56	56	55	55	55	50	54	53	47	52	50	43	50	47	41	47	44	38	44	42	36
				Exposed	57	57	57	57	57	57	57	57	55	57	57	52	57	57	50	57	55	48	55	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	59	59	59	59	59	59	58	58	57	58	58	54	56	56	50	55	53	47	53	50	43	50	47	41	47	44	38	44	42	36
				Exposed	60	60	60	60	60	58	60	60	55	60	59	52	59	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	Flat	0	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	56	49	56	54	46	56	51	43
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	52	56	56	48	56	53	45	56	50	42	55	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	46	52	51	43
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	52	45	52	50	42	52	47	39	51	44	0	49	42	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	47	43	48	45	41			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	42	48	43	39	48	41	37	47	38	0	45	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	39	45	41	37	45	38	0	45	0	0			
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	43	39	44	41	37	45	38	0	45	0	0			
		5:12	22.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	39	44	42	36	44	40	0			
		6:12	26.6	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	44	39	45	42	36	45	40	0			
		7:12	30.3	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46						
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	46	40	46	44	38						
		8:12	33.7	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48						
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	47	40	53	47	38						
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48							
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	50	43	49	47	40	47	44	38			
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	50	51	51	47			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46	52	50	43	49	47	40	47	44	38			
		11:12	42.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	50	52	52	47			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	49	54	53	46	52	50	43	49	47	40	47	44	38			
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	55	55	54	55	55	50	54	54	47	
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	53	57	56	49	55	53	46	52	49	43	49	47	40	47	44	38			
	C	Flat	0	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	50	56	55	46	56	52	43	56	48	41	53	46	38	50	43	0			
				Exposed	56	56	56	56	56	56	56	56	55	56	56	52	56	56	50	56	56	47	56	54	45	56	52	44	56	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	46	52	51	43	52	48	41	52	46	38	50	43	0			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	47	52	52	45	52	52	44	52	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	48	45	41	48	42	38	48	40	0	46	38	0			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	45	41	48	42	38	48	39	0	45	0	0	42	0	0	40	0	0	0	0	0			
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	42	38	45	40	0	45	38	0			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	44	45	45	43	45	45	41	45	42	38	45	39	0	45	0	0	40	0	0	42	0	0	40	0	0	0	0	0			
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	40	0	44	37	0			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	42	38	44	39	0	44	0	0	42	0	0	40	0	0	0	0	0			
		5:12	22.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	43	38	44	41	35			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	43	37	44	40	34	44	37	0	44	0	0	43	0	0	0	0	0			
		6:12	26.6	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	43	38	45	41	35			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	43	37	45	40	0	45	37	0	45	0	0	43	0	0			
		7:12	30.3	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	42	45	45	40			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	45	38	44	42	36	42	40	0	39	37	0						
		8:12	33.7	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	45	46	46	42	46	46	39	
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	48	41	47	45	38	44	42	36	42	39	0	39	0	0			
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48	48	48	45	48	48	42	47	46	39	
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	47	41	47	44	38	44	42	36	42	39	0	39	0	0			
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	48	50	50	45	49	48	42	48	46	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	51	52	52	48	51	51	45	50	48	42	48	46	39
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	54	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	55	55	55	51	54	54	48	53	51	44	51	48	42	48	46	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	57	50	57	55	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	51	56	56	49	56	54	46	56	51	43	55	47	40	52	44	37	49	42	0	46	40	0
				Exposed	56	56	55	56	56	53	56	56	50	56	56	48	56	54	45	56	52	43	56	49	42	56	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	49	52	52	46	52	50	43	52	47	40	52	44	37	49	42	0	46	40	0
				Exposed	52	52	52	52	52	52	52	52	50	52	52	48	52	52	45	52	52	43	52	49	42	52	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	47	43	48	44	40	48	41	37	48	39	0	45	0	0	42	0	0
				Exposed	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	45	41	48	43	39	48	41	38	47	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	44	40	45	41	37	45	39	0	45	0	0	42	0	0			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	41	45	45	43	45	45	41	45	43	39	45	41	38	45	38	0	44	0	0	41	0	0	39	0	0	0	0	0			
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	41	37	44	39	0	44	0	0	42	0	0			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	41	44	44	43	44	44	41	44	43	39	44	41	38	44	38	0	44	0	0	41	0	0	39	0	0	0	0	0			
		5:12	22.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	42	37	44	40	34	44	38	0			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	39	44	42	36	44	39	0	44	0	0	44	0	0	42	0	0	40	0	0	0	0	0			
		6:12	26.6	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	42	36	45	40	0	45	38	0			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	41	45	45	39	45	45	39	45	42	36	45	39	0	45	0	0	42	0	0	42	0	0	40	0	0	0	0	0			
		7:12	30.3	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	43	46	46	41	45	45	38	44	42	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	47	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47	48	48	43	47	47	41	46	44	38	44	42	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	50	50	50	47	49	49	43	48	47	41	47	44	38	44	42	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	48	52	52	46	52	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0			
		11:12	42.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	50	52	52	47	51	50	43	50	47	41	47	44	38	44	42	36			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	54	48	54	52	46	53	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	56	56	54	55	55	50	53	53	47	52	50	43	50	47	41	47	44	38	44	42	36
				Exposed	57	57	57	57	57	57	57	57	55	57	57	52	57	57	50	57	54	48	55	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	53	46	53	51	43
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	53	45	53	50	42	53	47	39	52	44	37	49	42	0
		1:12	4.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	49	43
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	49	42	49	47	39	49	44	0	49	42	0			
		2:12	9.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	39	45	41	37	45	38	0	45	0	0
		3:12	14.0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	41	37	42	38	0	42	0	0			
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	41	37	42	38	0	42	0	0			
		5:12	22.6	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	39	42	42	36	42	40	0			
		6:12	26.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	36	43	40	0			
		7:12	30.3	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44			
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	44	38			
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	47	47			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	48	43	48	47	40	48	44	40			
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	47	41	47	44	38	44	42	0			
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46	52	50	43	49	47	40			
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	50	52	52	47	
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	49	54	53	46	52	49	43	49	47	40	47	44	38			
	C	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	46	53	52	43	53	48	41	53	46	38	50	43	0
				Exposed	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	53	47	53	53	45	53	52	44	53	48	40	52	45	38	49	42	0	46	39	0	43	0	0	41	0	0	
		1:12	4.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	49	43	49	48	41	49	46	38	49	43	0
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	49	44	49	48	40	49	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	42	38	45	40	0	45	38	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	42	38	45	39	0	45	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	0	42	38	0			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	39	0	42	0	0	40	0	0	0	0	0	0	0	0			
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	0	42	37	0			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	39	0	42	0	0	40	0	0	0	0	0	0	0	0			
		5:12	22.6	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	41	35			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	40	34	42	37	0	42	0	0	42	0	0			
50		6:12	26.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	41	35			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	37	43	40	0	43	37	0	43	0	0	43	0	0			
		7:12	30.3	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	43	43	40			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	38	44	42	36	42	40	0	39	37	0			
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	42	44	44	39		
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	45	38	44	42	36	42	39	0	39	0	0			
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	45	46	46	42	45	45	39		
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	47	41	47	44	38	44	42	36	42	39	0	39	0	0			
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48	48	48	45	47	47	42	47	46	39	
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	48	50	50	45	49	48	42	48	46	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	51	52	52	48	51	51	44	50	48	42	48	46	39
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	54	48	54	51	44	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	53	46	53	51	43	53	47	40	52	44	37	49	42	0	46	40	0
				Exposed	53	53	53	53	53	53	53	53	50	53	53	48	53	53	45	53	52	43	53	49	42	53	47	40	51	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	49	43	49	47	40	49	44	37	49	42	0	46	40	0
				Exposed	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	49	43	49	49	42	49	47	40	49	44	0	48	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	44	40	45	41	37	45	39	0	45	0	0	42	0	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	43	39	45	41	38	45	38	0	44	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	41	37	42	39	0	42	0	0	42	0	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	41	38	42	38	0	42	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	41	37	42	39	0	42	0	0	42	0	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	41	38	42	38	0	42	0	0	41	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	40	34	42	38	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	36	42	39	0	42	0	0	42	0	0	42	0	0	40	0	0			
		6:12	26.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	39	43	42	36	43	40	0	43	38	0
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	36	43	39	0	43	0	0	42	0	0	40	0	0	0	0	0			
		7:12	30.3	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	43	43	38	42	42	36			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	44	37	43	41	0	41	38	0	38	0	0	0	0	0	0	0	0			
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	43	44	44	41	44	44	38	43	42	36	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	40	46	44	37	43	41	0	41	38	0	38	0	0	0	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	46	46	43	46	46	41	45	44	38	44	42	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	47	40	46	44	37	43	41	0	40	38	0	38	0	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47	48	48	43	47	47	41	46	44	38	44	42	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	50	50	50	47	49	49	43	48	47	41	47	44	38	44	42	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	46	52	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	50	52	52	47	51	50	43	50	47	41	47	44	38	44	42	36
				Exposed	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	54	48	54	52	45	53	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	Flat	0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	50	43
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	50	42	50	47	39	50	44	37	49	42	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	42	47	47	39	47	44	0	47	42	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	37	43	38	0	43	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	38	0	41	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	37	40	38	0	41	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	40	0	40	0	0
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	40	0	41	0	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38
		8:12	33.7	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	44	38	44	44	38
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	44	38	46	46	38
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	48	41	48	47	0	48	47	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	50	42	50	47	0	50	47	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46	52	49	43	49	47	40	47	44	38
	C	Flat	0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	50	43	50	48	41	50	46	38
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	50	45	50	50	44	50	48	40	50	45	38	49	42	0	46	39	0	43	0	0	41	0	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	47	41	47	46	38	47	43	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	44	47	47	40	47	45	38	47	42	0	46	39	0	43	0	0	41	0	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	40	0	43	38	0			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	39	0	43	0	0	42	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	0	41	38	0			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	0	41	0	0	40	0	0	40	0	0	0	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	0	40	37	0			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	0	40	0	0	40	0	0	40	0	0	0	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	0	40	40	35			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	34	40	37	0	40	0	0	40	0	0
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	0	41	40	35			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	40	0	41	37	0	41	0	0	41	0	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	42	36	42	40	0	39	37	0
		8:12	33.7	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	43	43	39				
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	38	44	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	42	44	44	39	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	45	46	46	42	45	39
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	48	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48	48	48	45	47	47	42	47	46	39
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	47	41	47	44	38	44	42	0	42	39	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	48	50	50	44	49	48	42	48	46	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	45	52	50	44	49	47	40	46	43	37	43	41	0
	D	Flat	0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	47	40	50	44	37
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	45	50	50	43	50	49	42	50	47	40	50	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	47	40	47	44	37	47	42	0	46	40	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	47	42	47	47	40	47	44	0	47	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	41	37	43	39	0	43	0	0	42	0
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	41	38	43	38	0	43	0	0	41	0	0	39	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	39	0	41	0	0	41	0	0	
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	41	38	0	41	0	0	41	0	0	39	0	0	0	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	39	0	40	0	0	40	0	0			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	38	40	38	0	40	0	0	40	0	0	40	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	34	40	38	0			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	39	0	40	0	0	40	0	0	40	0	0	40	0	0
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	40	0	41	38	0			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	39	0	41	0	0	41	0	0	41	0	0	40	0	0	40	0	0	40	0	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	38	41	41	36			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	42	42	42	37	42	41	0	41	38	0	38	0	0	0	0	0
		8:12	33.7	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	41	42	42	38	42	42	36
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	44	37	43	41	0	41	38	0	38	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	43	44	44	41	44	44	38	43	42	36	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	44	46	46	37	43	41	0	40	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	46	46	43	46	46	41	45	44	38	44	42	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47	48	48	43	47	47	41	46	44	38	44	42	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	44	49	47	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	50	50	50	47	49	49	43	49	47	41	47	44	38	44	42	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	45	52	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	42	48	47	39	48	44	37	48	42	0
		1:12	4.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	44	0	45	42	0
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	38	0	41	0	0
		3:12	14.0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	38	0	39	0	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0
		5:12	22.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	0
	B	6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	0
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	44	38	44	44	38
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	46	38
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	47	40	47	44	38
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	49	43	49	47	40	47	44	38
		Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	48	41	48	46	38	48	43	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	48	44	48	48	40	48	45	38	48	42	0	46	39	0	43	0	0	41	0	0			
		1:12	4.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	45	38	45	43	0			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	40	45	45	38	45	42	0	45	39	0	43	0	0	41	0	0			
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	0	41	38	0			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	39	0	41	0	0	41	0	0	40	0	0	0	0	0
		3:12	14.0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	0	39	38	0			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	0	39	0	0	39	0	0	39	0	0	39	0	0	0	0	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	37	0			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0	38	0	0	38	0	0	0	0	0
		5:12	22.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	0	39	38	0			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	37	0	39	0	0	39	0	0	0	0	0
60	C	6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35						
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	0	39	37	0	39	0	0	39	0	0	0	0	0
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40						
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	36	41	39	0	41	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39						
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	42	36	42	39	0	39	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	43			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	38	44	42	36	42	39	0	39	0	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	42	44	44	39		
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	41	46	44	38	44	42	0	42	39	0	39	0	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	45	46	46	42	45	45	39	
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48	49	49	44	48	48	42	47	46	39	
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	41	47	44	38	44	42	0	42	39	0	39	0	0
		Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	47	40	48	44	37
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	48	42	48	47	40	48	44	0	48	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	44	37	45	42	0	45	40	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	42	45	45	40	45	44	0	45	41	0	45	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	39	0	41	0	0	41	0	0
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	41	41	38	0	41	0	0	41	0	0	39	0	0	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	0	39	0	0	39	0	0
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	0	39	0	0	39	0	0	39	0	0	39	0	0	0	0	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0	38	0	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0	38	0	0	38	0	0	0	0	0
		5:12	22.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	34	39	38	0	
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	0	39	0	0	39	0	0	39	0	0	39	0	0	39	0	0	0	0	0
	D	6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	0	39	38	0
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	0	39	0	0	39	0	0	39	0	0	39	0	0	0	0	0
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	38	40	40	36	
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	41	0	41	38	0	38	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	38	41	41	36
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	41	0	41	38	0	38	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	41	42	42	38	42	42	36
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	43	44	44	41	44	44	38	43	42	36	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	40	46	44	37	43	41	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	47	43	46	46	41	45	44	38
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	47	41	47	44	38	44	42	0	42	39	0	38	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47	48	48	43	47	47	41	46	44	38	
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	50	44	49	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	44	37	45	42	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	0	42	42	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0	38	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	0	37	37	0
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	38
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	42	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	44	46	46	42	45	45	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	51	44	47	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	C	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	45	38	45	43	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	40	45	45	38	45	42	0	45	39	0	43	0	0	41	0	0	45	0	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	42	0	42	42	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	0	42	39	0	42	0	0	41	0	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	38	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	0	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	0	0	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	35	36	36	35
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	0	36	0	0	36	0	0
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	35	37	37	35
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	37	37	0	37	0	0
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	37	0	38	37	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	0	39	0	0	39	0	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	39	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	36	41	39	0	39	0	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	39
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	42	0	42	39	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	44	38	44	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	44	46	46	42	45	45	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	51	44	47	47	41	47	44	38	44	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	40	45	44	37	45	42	0	45	40	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	42	45	45	40	45	44	0	45	41	0	45	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	42	0	42	40	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	0	42	41	0	42	38	0	42	0	0	40	0	0	0	0	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0	38	0	0	38	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	0	36	36	0	36	0	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	0	37	0	0
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	0	37	0	0	37	0	0	37	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0	38	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	36
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	0	39	0	0	39	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	38	40	40	36	
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	41	0	40	38	0	38	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	41	42	42	38	41	41	36
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	44	43	41	43	43	38	42	42	36			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	40	45	44	37	43	41	0	40	38	0	38	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	43	45	45	41	44	44	38	44	42	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	44	47	47	40	46	43	37	43	41	0	40	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	42	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	0	39	39	0	39	39	0
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	33	0	33	0	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	0	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	0	37	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	0	38	0	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	0	40	39	0	39	0	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	42	38	42	42	0	42	39	0	39	0	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	44	38	44	44	38	44	44	38
	C	Flat	0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	42	0	42	42	0	42	42	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	0	42	39	0	41	0	0	41	0	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	0	39	39	0	39	39	0
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	0	39	39	0	39	0	0	39	0	0
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	36	0	0	0	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	0	0	34	0	0	34	0	0	0	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	33	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	0	0	33	0	0	33	0	0	0	0	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	0	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	0	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	0	37	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	38	0	38	0	0	0	0	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	39	39	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	0	40	38	0	38	0	0	0	0	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	38	41	41	36
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	41	0	40	38	0	38	0	0	0	0	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	41	43	43	38	42	42	36	42	42	36
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	43	37	43	41	0	40	38	0	38	0	0	0	0	0
80	D	Flat	0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	42	0	42	40	0	42	0	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	0	42	41	0	42	38	0	42	0	0	40	0	0	38	0	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	0	39	39	0	39	39	0
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	0	39	39	0	39	38	0	39	0	0	0	0	0	0	0	0
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0	36	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	0	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	0	0	34	0	0	34	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	0	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	0	0	33	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	0	0	34	0	0	34	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	0	0	34	0	0	34	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	0	0	35	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	0
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	37	0	0	37	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0	38	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0	0
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0	40	0	0	40	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	0	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	0	42	0	0	42	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	0	0
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	0	44	0	0	44	0	0	0	0	0	0	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	0	40	40	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	37	37	0	37	37	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	34	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	32	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0	31	31	0	31	31	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	38	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	0	40	39	0	39	0	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	51	42	42	42	41	42	42	38	42	42	0	42	39	0	39	0	0
	C	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	0	40	40	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	37	37	0	37	37	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	34	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	32	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0	31	31	0	31	31	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	38	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	0	40	38	0	38	0	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	38
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	0	42	39	0	39	0	0
	D	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	0	40	40	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	0	37	37	0	37	37	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	34	0	34	34	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	32	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0	31	31	0	31	31	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	32	0	32	32	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	35	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	36	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	38	0	38	0	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	0	40	38	0	38	0	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	36
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	37	42	41	0	40	38	0	38	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	38	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	35	0
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	0	0	32	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	30	0	0	30	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	30	0	0	30	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	0	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38
	C	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	0	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	0	0
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	0	0	32	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	30	0	0	30	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	30	0	0	30	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	0	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	D	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	38	0	38	0	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	35	0	35	0	0
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0	32	0	0	32	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	30	0	0	30	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	30	0	0	30	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	36	0	36	0	0
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	0	0
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	0	40	38	0	38	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	B	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	0
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	0	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0	31	0	0	31	0	0	31	0	0	31	0	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0	29	0	0	29	0	0	29	0	0	0	0	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	C	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	0	38	38	0	38	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		1:12	4.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	B	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		1:12	4.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0	29	0	0	29	0	0	29	0	0	29	0	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	0	0	27	0	0	27	0	0	27	0	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	C	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
		1:12	4.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0	29	0	0	29	0	0	29	0	0	29	0	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	0	0	27	0	0	27	0	0	27	0	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	67	74	64	61	70	60	57	66	56	54	62	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	70	66	74	66	63	74	63	60	71	60	58	65	56	54	60	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	66	74	64	61	70	60	57	65	56	54	61	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	73	70	74	69	66	74	66	63	74	63	60	70	60	58	65	56	53	60	52	50	56	48	47	53	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	66	74	64	61	70	60	57	65	56	54	61	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	66	74	66	63	73	62	60	70	60	58	65	56	53	60	52	50	56	48	46	53	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	71		74	66		74	61		71	58		66	55	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	66		74	61		69	57		64	53		60	50		56	47		53	45	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	71		74	66		74	61		71	58		66	55	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	73		74	69		74	66		74	61		69	57		64	53		60	50		56	47		53	44	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	69	74	67	63	74	61	57	74	57	53	73	53	49	68	49	46	63	46	43
				Exposed	74	74	74	74	74	74	74	74	71	74	70	66	74	66	62	74	63	59	74	60	56	74	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	53	49	67	49	46	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	70	66	74	66	62	74	62	59	74	59	56	74	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	53	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	70	66	74	66	62	74	62	59	74	59	56	74	57	53	71	52	48	66	48	44	61	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	52	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	69	65	74	65	62	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	66	62	74	61	57	74	56	52	72	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	66	62	74	60	57	74	56	52	71	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	56	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	65	62	74	62	60	67	58	55	62	54	52	58	50	48	55	47	45	52	45	43	49	42	40
				Exposed	74	72	68	74	67	64	74	63	61	71	60	58	67	57	55	64	55	53	61	53	51	59	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	65	74	65	62	73	62	60	67	58	55	62	54	51	58	50	48	55	47	45	52	44	43	49	42	40
				Exposed	74	71	68	74	67	64	74	63	60	70	60	58	67	57	55	64	55	53	61	53	50	59	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	68	65	74	65	62	73	62	60	67	58	55	62	54	51	58	50	48	55	47	45	51	44	43	49	42	40
				Exposed	74	71	68	74	67	63	74	63	60	70	60	57	67	57	55	63	55	53	61	52	50	58	50	48	54	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	69		74	63		72	59		67	55		62	52		58	49		55	46	
				Exposed	74	74		74	74		74	70		74	66		74	63		74	60		71	58		67	55		61	51		57	48		54	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	63		72	59		66	55		62	52		58	49		55	46	
				Exposed	74	74		74	74		74	70		74	66		74	63		74	60		70	57		67	55		61	51		57	48		54	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	51	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	74	68	64	74	64	60	74	60	56	74	57	53	74	54	50	71	51	48	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	50	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	74	68	64	74	63	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	68	63	74	63	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	68	64	74	65	61	74	62	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	61	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	60	74	60	56	74	56	53	73	54	50	70	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	64	61	74	61	58	74	59	55	73	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	60	74	59	56	74	56	53	73	54	50	70	51	47	66	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	73	70	74	69	66	74	65	62	73	62	60	70	60	57	67	57	55	61	53	51	57	49	47	54	46	44	50	43	42	47	41	39	45	39	0
				Exposed	74	64	62	71	61	58	68	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	62	73	62	59	70	59	57	67	57	55	61	53	51	57	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	74	64	61	71	61	58	67	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	62	73	62	59	69	59	57	66	57	55	61	53	51	57	49	47	53	46	44	50	43	41	47	41	39	45	39	0
				Exposed	74	64	61	71	61	58	67	58	55	64	55	53	61	52	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	73		74	69		74	65		74	62		71	58		65	54		61	50		57	47		54	45		51	42	
				Exposed	74	71		74	67		74	63		74	60		70	57		67	55		63	53		61	51		56	47		53	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	72		74	69		74	65		74	62		71	58		65	54		60	50		57	47		54	45		51	42	
				Exposed	74	71		74	67		74	63		74	60		70	57		67	55		63	53		61	51		56	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	74	74	74	74	74	70	74	70	66	74	65	62	74	62	58	74	59	55	74	56	52	74	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	74	61	57	74	58	54	74	54	51	71	51	48	67	49	45	64	47	43	61	44	41	59	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	74	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	74	61	57	74	57	54	74	54	50	71	51	48	67	49	45	63	46	43	61	44	41	58	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	74	53	50	67	49	45	62	45	42	58	42	39	55	40	36	51	38	33	49	36	0
				Exposed	74	61	57	74	57	54	74	54	50	70	51	48	67	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	73	53	50	67	49	45	62	45	42	58	42	39	54	40	36	51	37	33	49	35	0			
				Exposed	74	61	57	74	57	53	74	54	50	70	51	48	66	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	67	74	64	61	70	60	57	66	56	54	62	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	70	66	74	66	63	74	63	60	71	60	58	65	56	54	60	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	66	74	64	61	70	60	57	65	56	54	61	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	73	70	74	69	66	74	66	63	74	63	60	70	60	58	65	56	53	60	52	50	56	48	47	53	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	66	74	64	61	70	60	57	65	56	54	61	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	66	74	66	63	73	62	60	70	60	58	65	56	53	60	52	50	56	48	46	53	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	71		74	66		74	61		71	58		66	55	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	66		74	61		69	57		64	53		60	50		56	47		53	45	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	71		74	66		74	61		71	58		66	55	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	73		74	69		74	66		74	61		69	57		64	53		60	50		56	47		53	44	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	69	74	67	63	74	61	57	74	57	53	73	53	49	68	49	46	63	46	43
				Exposed	74	74	74	74	74	74	74	74	71	74	70	66	74	66	62	74	63	59	74	60	56	74	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	53	49	67	49	46	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	70	66	74	66	62	74	62	59	74	59	56	74	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	53	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	70	66	74	66	62	74	62	59	74	59	56	74	57	53	71	52	48	66	48	44	61	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	52	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	69	65	74	65	62	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	66	62	74	61	57	74	56	52	72	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	66	62	74	60	57	74	56	52	71	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	56	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	65	62	74	62	60	67	58	55	62	54	52	58	50	48	55	47	45	52	45	43	49	42	40
				Exposed	74	72	68	74	67	64	74	63	61	71	60	58	67	57	55	64	55	53	61	53	51	59	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	65	74	65	62	73	62	60	67	58	55	62	54	51	58	50	48	55	47	45	52	44	43	49	42	40
				Exposed	74	71	68	74	67	64	74	63	60	70	60	58	67	57	55	64	55	53	61	53	50	59	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	68	65	74	65	62	73	62	60	67	58	55	62	54	51	58	50	48	55	47	45	51	44	43	49	42	40
				Exposed	74	71	68	74	67	63	74	63	60	70	60	57	67	57	55	63	55	53	61	52	50	58	50	48	54	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	73		74	69		74	73		74	69		74	66		72	59		67	55		62	52		58	49		55	46	
				Exposed	74	74		74	74		74	70		74	66		74	63		74	60		71	58		67	55		61	51		57	48		54	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	63		72	59		66	55		62	52		58	49		55	46	
				Exposed	74	74		74	74		74	70		74	66		74	63		74	60		70	57		67	55		61	51		57	48		54	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	51	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	74	68	64	74	64	60	74	60	56	74	57	53	74	54	50	71	51	48	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	50	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	74	68	64	74	64	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	68	63	74	63	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	68	64	74	65	61	74	62	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	59	74	60	56	74	56	53	74	54	50	70	51	47	67	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	61	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	59	74	60	56	74	56	53	73	54	50	70	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	64	61	74	61	58	74	59	55	73	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	59	74	59	56	74	56	53	73	54	50	70	51	47	66	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	73	70	74	69	66	74	65	62	73	62	60	70	60	57	67	57	55	61	53	51	57	49	47	54	46	44	50	43	42	47	41	39	45	39	0
				Exposed	74	64	62	71	61	58	68	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	62	73	62	59	70	59	57	67	57	55	61	53	51	57	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	74	64	61	71	61	58	67	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	62	73	62	59	69	59	57	66	57	55	61	53	51	57	49	47	53	46	44	50	43	41	47	41	39	45	39	0
				Exposed	74	64	61	71	61	58	67	58	55	64	55	53	61	52	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	73		74	69		74	65		74	62		71	58		65	54		61	50		57	47		54	45		51	42	
				Exposed	74	71		74	67		74	63		74	60		70	57		67	55		63	53		61	51		56	47		53	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	72		74	69		74	65		74	62		71	58		65	54		60	50		57	47		54	45		51	42	
				Exposed	74	71		74	67		74	63		74	60		70	57		67	55		63	53		61	51		56	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	74	74	74	74	74	70	74	70	66	74	65	62	74	62	58	74	59	55	74	56	52	74	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	74	61	57	74	58	54	74	54	51	71	51	48	67	49	45	64	47	43	61	44	41	59	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	74	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	74	61	57	74	57	54	74	54	50	71	51	48	67	49	45	63	46	43	61	44	41	58	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	74	53	50	67	49	45	62	45	42	58	42	39	55	40	36	51	38	33	49	36	0
				Exposed	74	61	57	74	57	54	74	54	50	71	51	48	67	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	39	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	67	74	64	61	70	60	57	66	56	54	62	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	74	70	74	70	66	74	66	63	74	63	60	71	60	58	65	56	54	60	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	66	74	64	61	70	60	57	65	56	54	61	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	73	70	74	69	66	74	66	63	74	63	60	70	60	58	65	56	53	60	52	50	56	48	47	53	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	66	74	64	61	70	60	57	65	56	54	61	53	51	58	50	48
				Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	66	74	66	63	73	62	60	70	60	58	65	56	53	60	52	50	56	48	46	53	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	71		74	66		74	61		71	58		66	55	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	73		74	70		74	66		74	61		69	57		64	53		60	50		56	47		53	45	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	71		74	66		74	61		71	58		66	55	
				Exposed	74	74		74	74		74	74		74	74		74	74		74	73		74	69		74	66		74	61		69	57		64	53		60	50		56	47		53	44	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	69	74	67	63	74	61	57	74	57	53	73	53	49	68	49	46	63	46	43
				Exposed	74	74	74	74	74	74	74	74	71	74	70	66	74	66	62	74	63	59	74	60	56	74	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	53	49	67	49	46	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	70	66	74	66	62	74	62	59	74	59	56	74	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	53	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	70	66	74	66	62	74	62	59	74	59	56	74	57	53	71	52	48	66	48	44	61	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	52	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	69	65	74	65	62	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	66	62	74	61	57	74	56	52	72	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	66	62	74	60	57	74	56	52	71	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	56	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	65	62	74	62	60	67	58	55	62	54	52	58	50	48	55	47	45	52	45	43	49	42	40
				Exposed	74	72	68	74	67	64	74	63	61	71	60	58	67	57	55	64	55	53	61	53	51	59	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	65	74	65	62	73	62	60	67	58	55	62	54	51	58	50	48	55	47	45	52	44	43	49	42	40
				Exposed	74	71	68	74	67	64	74	63	60	70	60	58	67	57	55	64	55	53	61	53	50	59	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	68	65	74	65	62	73	62	60	67	58	55	62	54	51	58	50	48	55	47	45	51	44	43	49	42	40
				Exposed	74	71	68	74	67	63	74	63	60	70	60	57	67	57	55	63	55	53	61	52	50	58	50	48	54	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	69		72	59		67	55		62	52		58	49		55	46	
				Exposed	74	74		74	74		74	70		74	66		74	63		74	60		71	58		67	55		61	51		57	48		54	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	69		74	63		72	59		66	55		62	52		58	49		55	46	
				Exposed	74	74		74	74		74	70		74	66		74	63		74	60		70	57		67	55		61	51		57	48		54	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	51	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	74	68	64	74	64	60	74	60	56	74	57	53	74	54	50	71	51	48	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	50	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	74	68	64	74	63	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	68	63	74	63	60	74	60	56	74	57	53	74	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	68	64	74	65	61	74	62	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	60	74	60	56	74	56	53	74	54	50	70	51	47	67	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	61	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	60	74	60	56	74	56	53	73	54	50	70	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	64	61	74	61	58	74	59	55	73	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	60	74	59	56	74	56	53	73	54	50	70	51	47	66	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	73	70	74	69	66	74	65	62	73	62	60	70	60	57	67	57	55	61	53	51	57	49	47	54	46	44	50	43	42	47	41	39	45	39	0
				Exposed	74	64	62	71	61	58	68	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	62	73	62	59	70	59	57	67	57	55	61	53	51	57	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	74	64	61	71	61	58	67	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	62	73	62	59	69	59	57	66	57	55	61	53	51	57	49	47	53	46	44	50	43	41	47	41	39	45	39	0
				Exposed	74	64	61	71	61	58	67	58	55	64	55	53	61	52	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	73		74	69		74	65		74	62		71	58		65	54		61	50		57	47		54	45		51	42	
				Exposed	74	71		74	67		74	63		74	60		70	57		67	55		63	53		61	51		56	47		53	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	72		74	69		74	65		74	62		71	58		65	54		60	50		57	47		54	45		51	42	
				Exposed	74	71		74	67		74	63		74	60		70	57		67	55		63	53		61	51		56	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	74	74	74	74	74	70	74	70	66	74	65	62	74	62	58	74	59	55	74	56	52	74	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	74	61	57	74	58	54	74	54	51	71	51	48	67	49	45	64	47	43	61	44	41	59	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	74	74	74	74	74	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	74	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	74	61	57	74	57	54	74	54	50	71	51	48	67	49	45	63	46	43	61	44	41	58	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	74	74	74	74	74	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	74	53	50	67	49	45	62	45	42	58	42	39	55	40	36	51	38	33	49	36	0
				Exposed	74	61	57	74	57	54	74	54	50	70	51	48	67	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	73	53	50	67	49	45	62	45	42	58	42	39	54	40	36	51	37	33	49	35	0			
				Exposed	74	61	57	74	57	53	74	54	50	70	51	48	66	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	2:12	9.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	67	71	64	61	70	60	57	66	56	54	62	53	51	58	50	48
				Exposed	71	71	71	71	71	71	71	71	71	71	71	70	71	70	66	71	66	63	71	63	60	71	60	58	65	56	54	60	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	64	61	67	60	57	65	56	54	61	53	51	58	50	48
				Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	66	63	67	63	60	67	60	58	65	56	53	60	52	50	56	48	47	53	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	66	70	64	61	69	60	57	65	56	54	61	53	51	58	50	48
				Exposed	70	70	70	70	70	70	70	70	70	70	70	69	70	69	66	70	66	63	70	62	60	70	60	58	65	56	53	60	52	50	56	48	46	53	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	70		69	66		68	61		67	58		65	55	
				Exposed	70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	66		70	61		69	57		64	53		60	50		56	47		53	45	
		6:12	26.6	Non-Exposed	70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	66		68	61		67	58		66	55	
				Exposed	70	70		70	70		70	70		70	70		70	70		70	70		70	69		70	66		70	61		69	57		64	53		60	50		56	47		53	44	
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	71	67	63	71	61	57	70	57	53	69	53	49	68	49	46	63	46	43
				Exposed	71	71	71	71	71	71	71	71	71	71	70	66	71	66	62	71	63	59	71	60	56	71	57	53	71	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	69	72	66	62	72	61	57	71	56	53	70	53	49	67	49	46	63	46	43			
				Exposed	72	72	72	72	72	72	72	72	70	72	70	66	72	66	62	72	62	59	72	59	56	72	57	53	72	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	69	73	66	62	73	61	57	73	56	53	71	53	49	67	49	45	63	46	43
				Exposed	73	73	73	73	73	73	73	73	70	73	70	66	73	66	62	73	62	59	73	59	56	73	57	53	71	52	48	66	48	44	61	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	66	62	74	61	57	74	56	53	72	52	49	67	49	45	63	46	43
				Exposed	74	74	74	74	74	74	74	74	70	74	69	65	74	65	62	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	69	74	66	62	74	61	57	74	56	52	72	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	74	57	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	66	62	74	60	57	74	56	52	71	52	49	67	49	45	63	46	42
				Exposed	74	74	74	74	74	74	74	73	69	74	69	65	74	65	61	74	62	58	74	59	55	74	56	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	71	69	65	71	65	62	71	62	60	67	58	55	62	54	52	58	50	48	55	47	45	52	45	43	49	42	40
				Exposed	71	71	68	71	67	64	71	63	61	71	60	58	67	57	55	64	55	53	61	53	51	59	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	65	67	65	62	67	62	60	66	58	55	62	54	51	58	50	48	55	47	45	52	44	43	49	42	40
				Exposed	67	67	67	67	67	64	67	63	60	67	60	58	67	57	55	64	55	53	61	53	50	59	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	70	68	65	70	65	62	70	62	60	67	58	55	62	54	51	58	50	48	55	47	45	51	44	43	49	42	40
				Exposed	70	70	68	70	67	63	70	63	60	70	60	57	67	57	55	63	55	53	61	52	50	58	50	48	54	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	69		68	63		67	59		65	55		62	52		58	49		55	46	
				Exposed	70	70		70	70		70	70		70	66		70	63		70	60		70	58		67	55		61	51		57	48		54	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	70	70		70	70		70	70		70	70		70	70		70	70		70	70		70	69		69	63		67	59		66	55		62	52		58	49		55	46	
				Exposed	70	70		70	70		70	70		70	66		70	63		70	60		70	57		67	55		61	51		57	48		54	45		50	42		47	40		45	37	
15		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	69	71	69	65	71	65	61	71	62	58	71	59	55	70	54	51	68	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	71	68	64	71	64	60	71	60	56	71	57	53	71	54	50	71	51	48	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	69	72	69	65	72	65	61	72	62	58	72	59	55	71	54	50	69	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	72	68	64	72	63	60	72	60	56	72	57	53	72	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	69	73	69	65	73	65	61	73	62	58	73	59	55	72	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	73	68	63	73	63	60	73	60	56	73	57	53	73	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	69	74	68	64	74	65	61	74	62	58	74	59	55	73	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	59	74	60	56	74	56	53	74	54	50	70	51	47	67	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	73	74	72	68	74	68	64	74	65	61	74	61	58	74	59	55	74	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	59	74	60	56	74	56	53	73	54	50	70	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	72	74	72	68	74	68	64	74	64	61	74	61	58	74	59	55	73	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	74	67	63	74	63	59	74	59	56	74	56	53	73	54	50	70	51	47	66	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	71	71	71	71	71	71	71	71	70	71	69	66	71	65	62	71	62	60	70	60	57	67	57	55	61	53	51	57	49	47	54	46	44	50	43	42	47	41	39	45	39	0
				Exposed	71	64	62	71	61	58	68	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	65	67	65	62	67	62	59	67	59	57	66	57	55	61	53	51	57	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	67	64	61	67	61	58	67	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	70	70	70	70	70	70	70	70	69	70	69	65	70	65	62	70	62	59	69	59	57	66	57	55	61	53	51	57	49	47	53	46	44	50	43	41	47	41	39	45	39	0
				Exposed	70	64	61	70	61	58	67	58	55	64	55	53	61	52	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	70	70		70	70		70	70		70	70		70	70		70	69		69	65		68	62		67	58		65	54		61	50		57	47		54	45		51	42	
				Exposed	70	70		70	67		70	63		70	60		70	57		67	55		63	53		61	51		56	47		53	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	70	70		70	70		70	70		70	70		70	70		70	69		69	65		69	62		67	58		65	54		60	50		57	47		54	45		51	42	
				Exposed	70	70		70	67		70	63		70	60		70	57		67	55		63	53		61	51		56	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	71	71	71	71	71	70	71	70	66	71	65	62	71	62	58	71	59	55	70	56	52	69	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	71	61	57	71	58	54	71	54	51	71	51	48	67	49	45	64	47	43	61	44	41	59	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	72	72	72	72	72	70	72	69	65	72	65	61	72	62	58	72	59	55	71	56	52	70	54	50	67	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	72	61	57	72	57	54	72	54	50	71	51	48	67	49	45	63	46	43	61	44	41	58	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	73	73	73	73	73	70	73	69	65	73	65	61	73	62	58	73	59	55	73	56	52	72	53	50	67	49	45	62	45	42	58	42	39	55	40	36	51	38	33	49	36	0
				Exposed	73	61	57	73	57	54	73	54	50	73	51	48	67	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	74	74	74	74	73	70	74	69	65	74	65	61	74	62	58	74	59	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	39	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	74	74	74	74	73	69	74	69	65	74	65	61	74	61	58	74	58	55	74	56	52	73	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	74	61	57	74	57	53	74	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
20	B	2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	60	57	63	56	54	62	53	51	58	50	48
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	63	60	64	60	58	64	56	54	60	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	56	54	59	53	51	58	50	48
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	56	53	60	52	50	56	48	47	53	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	63	60	57	62	56	54	61	53	51	58	50	48
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	62	60	64	60	58	64	56	53	60	52	50	56	48	46	53	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	64	64		64	64		64	64		64	64		64	64		64	64		64	64		64	64		64	64		64	64		63	63		62	61		61	58		60	55	
				Exposed	64	64		64	64		64	64		64	64		64	64		64	64		64	64		64	64		64	61		64	57		63	53		60	50		56	47		53	45	
		6:12	26.6	Non-Exposed	65	65		65	65		65	65		65	65		65	65		65	65		65	65		65	65		65	65		64	64		63	61		62	58		61	55		59	52	
				Exposed	65	65		65	65		65	65		65	65		65	65		65	65		65	65		65	65		65	61		65	57		64	53		60	50		56	47		53	44	
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	66	61	57	65	57	53	64	53	49	63	49	46	62	46	43
				Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	62	66	63	59	66	60	56	66	57	53	66	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	62	67	61	57	66	56	53	65	53	49	64	49	46	63	46	43
				Exposed	67	67	67	67	67	67	67	67	67	67	67	66	67	66	62	67	62	59	67	59	56	67	57	53	67	52	48	66	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	62	68	61	57	67	56	53	66	53	49	65	49	45	63	46	43
				Exposed	68	68	68	68	68	68	68	68	68	68	68	66	68	66	62	68	62	59	68	59	56	68	57	53	68	52	48	66	48	44	61	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	69	70	66	62	70	61	57	69	56	53	68	52	49	67	49	45	63	46	43
				Exposed	70	70	70	70	70	70	70	70	70	70	69	65	70	65	62	70	62	58	70	59	55	70	57	53	70	52	48	65	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	71	66	62	71	61	57	71	56	52	69	52	49	67	49	45	63	46	42
				Exposed	71	71	71	71	71	71	71	71	70	71	69	65	71	65	61	71	62	58	71	59	55	71	57	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	73	72	68	73	66	62	73	60	57	73	56	52	71	52	49	67	49	45	63	46	42			
				Exposed	73	73	73	73	73	73	73	73	69	73	69	65	73	65	61	73	62	58	73	59	55	73	56	53	71	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	62	60	63	58	55	62	54	52	58	50	48	55	47	45	52	45	43	49	42	40
				Exposed	64	64	64	64	64	64	64	63	61	64	60	58	64	57	55	64	55	53	61	53	51	59	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	55	59	54	51	58	50	48	55	47	45	52	44	43	49	42	40
				Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	57	55	60	55	53	60	53	50	59	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	62	60	63	58	55	62	54	51	58	50	48	55	47	45	51	44	43	49	42	40
				Exposed	64	64	64	64	64	63	64	63	60	64	60	57	64	57	55	63	55	53	61	52	50	58	50	48	54	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	64	64		64	64		64	64		64	64		64	64		64	64		64	64		63	63		62	59		61	55		59	52		58	49		55	46				
				Exposed	64	64		64	64		64	64		64	64		64	63		64	60		64	58		64	55		61	51		57	48		54	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	65	65		65	65		65	65		65	65		65	65		65	65		65	65		64	64		63	63		62	59		61	55		60	52		58	49		55	46	
				Exposed	65	65		65	65		65	65		65	65		65	63		65	60		65	57		64	55		61	51		57	48		54	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	65	61	66	62	58	65	59	55	64	54	51	63	50	46	62	46	43	60	43	40	56	41	37	53	39	35
				Exposed	66	66	64	66	66	60	66	60	56	66	57	53	66	54	50	66	51	48	66	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	65	67	65	61	67	62	58	67	59	55	65	54	50	64	50	46	63	46	43	60	43	40	56	41	37	53	39	35
				Exposed	67	67	64	67	63	60	67	60	56	67	57	53	67	54	50	67	51	47	67	49	45	64	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	68	65	61	68	62	58	68	59	55	67	54	50	65	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	68	68	63	68	63	60	68	60	56	68	57	53	68	54	50	68	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	70	69	70	69	65	70	68	64	70	65	61	70	62	58	70	59	55	68	54	50	67	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	70	67	63	70	63	59	70	60	56	70	56	53	70	54	50	70	51	47	67	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	68	71	68	64	71	65	61	71	61	58	71	59	55	70	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	71	67	63	71	63	59	71	60	56	71	56	53	71	54	50	70	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	72	73	72	68	73	68	64	73	64	61	73	61	58	73	59	55	72	54	50	68	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	73	67	63	73	63	59	73	59	56	73	56	53	73	54	50	70	51	47	66	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	62	60	64	60	57	63	57	55	61	53	51	57	49	47	54	46	44	50	43	42	47	41	39	45	39	0
				Exposed	64	64	62	64	61	58	64	58	55	64	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	59	57	60	57	55	59	53	51	57	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	60	60	60	60	60	58	60	58	55	60	55	53	60	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	62	59	63	59	57	63	57	55	61	53	51	57	49	47	53	46	44	50	43	41	47	41	39	45	39	0
				Exposed	64	64	61	64	61	58	64	58	55	64	55	53	61	52	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	64	64		64	64		64	64		64	64		64	64		64	64		63	63		63	62		61	58		60	54		59	50		57	47		54	45		51	42	
				Exposed	64	64		64	64		64	63		64	60		64	57		64	55		63	53		61	51		56	47		53	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	65	65		65	65		65	65		65	65		65	65		64	64		64	64		63	62		62	58		61	54		59	50		57	47		54	45		51	42	
				Exposed	65	65		65	65		65	63		65	60		65	57		64	55		63	53		61	51		56	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	65	62	66	62	58	65	59	55	65	56	52	64	54	50	63	49	45	61	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	66	61	57	66	58	54	66	54	51	66	51	48	66	49	45	64	47	43	61	44	41	59	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	67	67	67	67	67	67	67	67	65	67	65	61	67	62	58	67	59	55	66	56	52	65	54	50	64	49	45	62	45	42	58	42	39	55	40	36	52	38	33	49	36	31
				Exposed	67	61	57	67	57	54	67	54	50	67	51	48	67	49	45	63	46	43	61	44	41	58	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	68	68	68	68	68	68	68	68	65	68	65	61	68	62	58	68	59	55	67	56	52	67	53	50	65	49	45	62	45	42	58	42	39	55	40	36	51	38	33	49	36	0
				Exposed	68	61	57	68	57	54	68	54	50	68	51	48	67	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	70	70	70	70	70	70	70	69	65	70	65	61	70	62	58	70	59	55	69	56	52	68	53	50	67	49	45	62	45	42	58	42	39	54	40	36	51	37	33	49	35	0
				Exposed	70	61	57	70	57	53	70	54	50	70	51	48	66	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	71	71	71	71	71	69	71	69	65	71	65	61	71	61	58	71	58	55	71	56	52	70	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	71	61	57	71	57	53	71	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	73	73	73	73	73	69	73	69	65	73	65	61	73	61	58	73	58	55	72	56	52	71	53	50	67	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	73	61	57	73	57	53	73	54	50	70	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	2:12	9.5	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	60	57	62	56	54	61	53	51	58	50	48
				Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	60	58	63	56	54	60	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	56	54	58	53	51	57	50	48
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	56	53	59	52	50	56	48	47	53	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	56	54	57	53	51	57	50	48
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	53	58	52	50	56	48	46	53	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		57	57		57	55	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	57		58	53		58	50		56	47		53	45	
		6:12	26.6	Non-Exposed	59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		58	58		57	55	
				Exposed	59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	57		59	53		59	50		56	47		53	44	
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	57	53	60	53	49	59	49	46	58	46	43
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	60	56	60	57	53	60	52	48	60	48	44	60	45	41	58	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	57	62	56	53	61	53	49	60	49	46	59	46	43
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	59	56	62	57	53	62	52	48	62	48	44	61	45	41	58	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	61	57	63	56	53	62	53	49	61	49	45	60	46	43
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	62	59	64	59	56	64	57	53	64	52	48	64	48	44	61	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	62	66	61	57	65	56	53	64	52	49	63	49	45	62	46	43
				Exposed	66	66	66	66	66	66	66	66	66	66	66	65	66	65	62	66	62	58	66	59	55	66	57	53	66	52	48	65	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	62	67	61	57	67	56	52	66	52	49	64	49	45	63	46	42
				Exposed	67	67	67	67	67	67	67	67	67	67	67	65	67	65	61	67	62	58	67	59	55	67	57	53	67	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	68	69	66	62	69	60	57	69	56	52	67	52	49	66	49	45	63	46	42			
				Exposed	69	69	69	69	69	69	69	69	69	69	69	65	69	65	61	69	62	58	69	59	55	69	56	53	69	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	62	60	62	58	55	61	54	52	58	50	48	55	47	45	52	45	43	49	42	40			
				Exposed	63	63	63	63	63	63	63	63	61	63	60	58	63	57	55	63	55	53	61	53	51	59	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	55	58	54	51	57	50	48	55	47	45	52	44	43	49	42	40
				Exposed	59	59	59	59	59	59	59	59	59	59	59	58	59	57	55	59	55	53	59	53	50	59	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	54	51	57	50	48	55	47	45	51	44	43	49	42	40
				Exposed	58	58	58	58	58	58	58	58	58	58	58	57	58	57	55	58	55	53	58	52	50	58	50	48	54	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		57	55		56	52		55	49		54	46	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	55		58	51		57	48		54	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		58	58		57	55		56	52		55	49		54	46	
				Exposed	59	59		59	59		59	59		59	59		59	59		59	59		59	57		59	55		59	51		57	48		54	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	60	54	51	59	50	46	58	46	43	57	43	40	56	41	37	53	39	35
				Exposed	60	60	60	60	60	60	60	60	56	60	57	53	60	54	50	60	51	48	60	49	45	60	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	59	55	61	54	50	60	50	46	59	46	43	58	43	40	56	41	37	53	39	35
				Exposed	62	62	62	62	62	60	62	60	56	62	57	53	62	54	50	62	51	47	62	49	45	62	47	43	59	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	59	55	63	54	50	62	50	46	60	46	43	59	43	40	56	41	37	53	39	35
				Exposed	64	64	63	64	63	60	64	60	56	64	57	53	64	54	50	64	51	47	64	49	45	64	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	65	61	66	62	58	66	59	55	64	54	50	63	50	46	62	46	43	59	43	40	56	41	37	53	39	35
				Exposed	66	66	63	66	63	59	66	60	56	66	56	53	66	54	50	66	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	64	67	65	61	67	61	58	67	59	55	66	54	50	65	50	46	63	46	43	59	43	40	56	41	37	53	39	35
				Exposed	67	67	63	67	63	59	67	60	56	67	56	53	67	54	50	67	51	47	66	49	45	63	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	69	69	69	69	69	69	69	69	65	69	65	61	69	61	58	69	58	55	68	56	52	68	53	50	66	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	69	67	63	69	63	59	69	59	56	69	56	53	69	54	50	69	51	47	66	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	62	60	63	60	57	62	57	55	61	53	51	57	49	47	54	46	44	50	43	42	47	41	39
				Exposed	63	63	62	63	61	58	63	58	55	63	55	53	61	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	57	55	58	53	51	57	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	59	59	59	59	59	58	59	58	55	59	55	53	59	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	57	55	57	53	51	56	49	47	53	46	44	50	43	41	47	41	39	45	39	0
				Exposed	58	58	58	58	58	58	58	58	55	58	55	53	58	52	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		57	57		56	54		55	50		54	47		53	45		51	42	
				Exposed	58	58		58	58		58	58		58	58		58	57		58	55		58	53		58	51		56	47		53	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	59	59		59	59		59	59		59	59		59	59		59	59		59	59		59	59		58	58		57	54		56	50		55	47		54	45		51	42	
				Exposed	59	59		59	59		59	59		59	59		59	57		59	55		59	53		59	51		56	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	60	56	52	60	54	50	59	49	45	58	45	42	56	42	39	55	40	36	52	38	33	49	36	31
				Exposed	60	60	57	60	58	54	60	54	51	60	51	48	60	49	45	60	47	43	60	44	41	59	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	59	55	62	56	52	61	54	50	60	49	45	59	45	42	57	42	39	55	40	36	52	38	33	49	36	31
				Exposed	62	61	57	62	57	54	62	54	50	62	51	48	62	49	45	62	46	43	61	44	41	58	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	59	55	63	56	52	63	53	50	61	49	45	60	45	42	58	42	39	55	40	36	51	38	33	49	36	0
				Exposed	64	61	57	64	57	54	64	54	50	64	51	48	64	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	65	66	65	61	66	62	58	65	59	55	65	56	52	64	53	50	63	49	45	61	45	42	58	42	39	54	40	36	51	37	33	49	35	0
				Exposed	66	61	57	66	57	53	66	54	50	66	51	48	66	49	45	63	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	65	67	65	61	67	61	58	67	58	55	67	56	52	66	53	50	64	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	67	61	57	67	57	53	67	54	50	67	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	69	69	69	69	69	69	69	69	65	69	65	61	69	61	58	69	58	55	68	56	52	68	53	50	66	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	69	61	57	69	57	53	69	54	50	69	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	2:12	9.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	56	54	57	53	51	57	50	48
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	54	58	52	50	56	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	54	50	48
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	52	50	54	48	47	53	46	44	50	43	41	47	41	39			
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	48	46	53	46	44	50	43	41	47	41	39			
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	50		53	47		53	45							
		6:12	26.6	Non-Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54	
				Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	53		54	50		54	47		53	44				
		7:12	30.3	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	53	49	55	49	46	55	46	43
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	52	48	56	48	44	56	45	41	56	42	38	54	40	36	51	37	33
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	53	57	53	49	57	49	46	56	46	43
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	52	48	57	48	44	57	45	41	57	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	56	53	59	53	49	58	49	45	57	46	43
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	57	53	59	52	48	59	48	44	59	45	41	57	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	57	61	56	53	61	52	49	60	49	45	59	46	43
				Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	58	62	59	55	62	57	53	62	52	48	62	48	44	61	45	41	57	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	61	57	63	56	52	62	52	49	61	49	45	60	46	42
				Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	62	58	64	59	55	64	57	53	64	52	48	64	48	44	61	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	62	66	60	57	65	56	52	64	52	49	63	49	45	62	46	42
				Exposed	66	66	66	66	66	66	66	66	66	66	66	65	66	65	61	66	62	58	66	59	55	66	56	53	66	52	48	65	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	54	52	57	50	48	55	47	45	52	45	43	49	42	40
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	55	53	58	53	51	58	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	50	48	53	47	45	52	44	43	49	42	40
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	53	50	54	50	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0			
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	47	45	51	44	43	49	42	40
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	53	53	53	52	50	53	50	48	53	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	52		52	49		51	46				
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	48		53	45		50	42		48	40		45	37	
		6:12	26.6	Non-Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	52		52	49		52	46				
				Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	51		54	48		54	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	54	51	56	50	46	55	46	43	54	43	40	53	41	37	52	39	35
				Exposed	56	56	56	56	56	56	56	56	56	56	56	53	56	54	50	56	51	48	56	49	45	56	47	43	56	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	54	50	57	50	46	56	46	43	55	43	40	54	41	37	53	39	35
				Exposed	57	57	57	57	57	57	57	57	56	57	57	53	57	54	50	57	51	47	57	49	45	57	47	43	57	43	39	55	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	54	50	58	50	46	57	46	43	56	43	40	55	41	37	53	39	35
				Exposed	59	59	59	59	59	56	59	57	53	59	54	50	59	51	47	59	49	45	59	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0			
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	61	62	62	62	62	62	61	62	62	58	62	59	55	61	54	50	60	50	46	59	46	43	58	43	40	56	41	37	53	39	35
				Exposed	62	61	57	62	57	53	62	54	50	62	51	48	62	49	45	62	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	61	58	64	58	55	63	56	52	63	53	50	61	49	45	60	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	64	61	57	64	57	53	64	54	50	64	51	47	64	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	66	66	66	66	66	66	66	66	65	66	65	61	66	61	58	66	58	55	65	56	52	64	53	50	63	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	66	61	57	66	57	53	66	54	50	66	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
	D	2:12	9.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	57	55	57	53	51	56	49	47	54	46	44	50	43	42	47	41	39	45	39	0
				Exposed	58	58	58	58	58	58	58	58	55	58	55	53	58	53	50	58	50	48	56	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	54	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	54	54	54	54	54	54	54	54	54	54	54	53	54	53	50	54	50	48	54	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	49	47	52	46	44	50	43	41	47	41	39	45	39	0
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	50	48	53	48	46	53	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		52	50		51	47		51	45		50	42	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	47		53	44		49	41		46	39		44	0	
		6:12	26.6	Non-Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		54	54		53	50		52	47		51	45		50	42	
				Exposed	54	54		54	54		54	54		54	54		54	54		54	54		54	53		54	51		54	47		52	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	54	50	55	49	45	54	45	42	53	42	39	52	40	36	51	38	33	49	36	31
				Exposed	56	56	56	56	56	54	56	54	51	56	51	48	56	49	45	56	47	43	56	44	41	56	43	39	54	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	56	52	57	54	50	57	49	45	56	45	42	55	42	39	53	40	36	52	38	33	49	36	31
				Exposed	57	57	57	57	57	54	57	54	50	57	51	48	57	49	45	57	46	43	57	44	41	57	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	55	59	56	52	59	53	50	58	49	45	57	45	42	56	42	39	55	40	36	51	38	33	49	36	0
				Exposed	59	59	57	59	57	54	59	54	50	59	51	48	59	49	45	59	46	43	59	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	59	55	61	56	52	61	53	50	60	49	45	58	45	42	57	42	39	54	40	36	51	37	33	49	35	0
				Exposed	62	61	57	62	57	53	62	54	50	62	51	48	62	49	45	62	46	43	61	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	61	64	61	58	64	58	55	63	56	52	63	53	50	61	49	45	60	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	64	61	57	64	57	53	64	54	50	64	51	47	64	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	66	66	66	66	66	66	66	66	65	66	65	61	66	61	58	66	58	55	65	56	52	64	53	50	63	49	45	62	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	66	61	57	66	57	53	66	54	50	66	51	47	66	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	54	50	48
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	50	54	49	47	53	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	47	50	46	44	50	43	41	47	41	39
		4:12	18.4	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	46	50	46	44	50	43	41	47	41	39
		5:12	22.6	Non-Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50	
				Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	47		50	45				
		6:12	26.6	Non-Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51	
				Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	50		51	47		51	44				
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	46	52	46	43			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	48	44	52	45	41	52	42	38	52	40	36	51	37	33
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	53	49	54	49	46	53	46	43			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	52	48	54	48	44	54	45	41	54	42	38	54	40	36	51	37	33
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	53	49	55	49	45	55	46	43			
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	52	48	56	48	44	56	45	41	56	42	38	54	39	36	51	37	33
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	56	53	58	52	49	57	49	45	56	46	43
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	57	53	58	52	48	58	48	44	58	45	41	57	42	38	54	39	35
		11:12	42.5	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	56	52	60	52	49	59	49	45	58	46	42
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	60	57	53	60	52	48	60	48	44	60	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	60	57	62	56	52	62	52	49	61	49	45	60	46	42
				Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	62	58	63	59	55	63	56	53	63	52	48	63	48	44	61	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	50	48	53	47	45	52	45	43	49	42	40
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	53	51	54	51	48	54	47	45	51	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	44	43	49	42	40
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	49	44	43	49	42	40			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		49	49		49	46						
				Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	48		50	45		50	42		48	40		45	37				
		6:12	26.6	Non-Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		50	49		49	46						
				Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	48		50	45		50	42		47	40		45	37	
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	50	46	52	46	43	51	43	40	50	41	37	50	39	35
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	51	48	52	49	45	52	47	43	52	43	39	52	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	54	50	46	53	46	43	52	43	40	52	41	37	51	39	35
				Exposed	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	51	47	54	49	45	54	47	43	54	43	39	54	40	36	52	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	54	50	56	50	46	55	46	43	54	43	40	53	41	37	52	39	35
				Exposed	56	56	56	56	56	56	56	56	56	56	56	53	56	54	50	56	51	47	56	49	45	56	47	43	56	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	54	50	57	50	46	56	46	43	55	43	40	54	41	37	53	39	35
				Exposed	58	58	58	58	58	56	58	58	56	58	56	53	58	54	50	58	51	47	58	49	45	58	47	43	58	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	60	54	50	59	50	46	58	46	43	57	43	40	56	41	37	53	39	35
				Exposed	60	60	60	60	60	59	60	60	56	60	56	53	60	54	50	60	51	47	60	49	45	60	47	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	61	63	61	58	63	59	55	62	54	50	61	50	46	60	46	43	58	43	40	56	41	37	53	39	35						
				Exposed	63	63	63	63	63	59	63	59	56	63	56	53	63	54	50	63	51	47	63	49	45	63	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	53	49	47	53	46	44	50	43	42	47	41	39	45	39	0
				Exposed	54	54	54	54	54	54	54	54	54	54	54	53	54	53	50	54	50	48	54	48	46	54	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	46	44	49	43	42	47	41	39	45	39	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	46	50	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	46	44	49	43	41	47	41	39	45	39	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	46	50	46	44	50	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		49	47		48	45		47	42				
				Exposed	50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	50		50	47		50	44		49	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		50	50		50	47		49	45		48	42	
				Exposed	51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	51		51	47		51	44		49	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	49	45	52	45	42	51	42	39	50	40	36	49	38	33	48	36	31
				Exposed	52	52	52	52	52	52	52	52	51	52	51	48	52	49	45	52	47	43	52	44	41	52	43	39	52	39	35	51	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	49	45	53	45	42	52	42	39	51	40	36	50	38	33	49	36	31
				Exposed	54	54	54	54	54	54	54	54	50	54	51	48	54	49	45	54	46	43	54	44	41	54	43	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	52	56	53	50	55	49	45	54	45	42	53	42	39	52	40	36	51	38	33	49	36	0
				Exposed	56	56	56	56	56	54	56	54	50	56	51	48	56	49	45	56	46	43	56	44	41	56	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	56	52	58	53	50	57	49	45	56	45	42	55	42	39	54	40	36	51	37	33	49	35	0
				Exposed	58	58	57	58	57	53	58	54	50	58	51	48	58	49	45	58	46	43	58	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	58	55	60	56	52	60	53	50	59	49	45	58	45	42	56	42	38	54	40	36	51	37	33	49	35	0
				Exposed	60	60	57	60	57	53	60	54	50	60	51	47	60	49	45	60	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	61	63	61	58	63	58	55	62	56	52	62	53	50	61	49	45	59	45	42	58	42	38	54	40	36	51	37	33	49	35	0
				Exposed	63	61	57	63	57	53	63	54	50	63	51	47	63	49	45	63	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	46	44	50	43	41	47	41	39
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	43	41	47	41	39
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	46	44	47	43	41	47	41	39
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	45				
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47		48	44	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	46	43
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	48	44	49	45	41	49	42	38	49	40	36	49	37	33
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	49	46	51	46	43			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	48	44	51	45	41	51	42	38	51	40	36	51	37	33
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	53	49	45	52	46	43			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	48	53	48	44	53	45	41	53	42	38	53	39	36	51	37	33
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	52	49	55	49	45			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	48	55	48	44	55	45	41	55	42	38	54	39	35	51	37	33
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	52	57	52	49	56	49	45			
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	53	57	52	48	57	48	44	57	44	41	57	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	56	52	59	52	49	58	49	45			
				Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	60	56	53	60	52	48	60	48	44	60	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	45	43	49	42	40
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	43	47	42	40			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	43	46	42	40			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	46	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	45		47	42		47	40		45	37				
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	46	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	45		48	42		47	40		45	37				
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	46	43	49	43	40	48	41	37	48	39	35	
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	49	49	49	49	49	49	49	49	43	39	49	40	36	49	38	33	48	35	0	46	0	0	43	0	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	50	46	51	46	43	50	43	40	49	41	37	49	39	35
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	47	51	49	45	51	47	43	51	43	39	51	40	36	51	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	50	46	52	46	43	52	43	40	51	41	37	50	39	35
				Exposed	53	53	53	53	53	53	53	53	50	53	51	47	53	49	45	53	47	43	53	43	39	53	40	36	51	37	33	48	35	0	46	0	0	43	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	50	55	50	46	54	46	43	53	43	40	52	41	37	51	39	35
				Exposed	55	55	55	55	55	55	55	55	55	55	55	53	55	54	50	55	51	47	55	49	45	55	47	43	55	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	54	50	57	50	46	56	46	43	55	43	40	54	41	37	53	39	35
				Exposed	57	57	57	57	57	57	57	57	56	57	56	53	57	54	50	57	51	47	57	49	45	57	47	43	57	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	59	55	59	54	50	58	50	46	57	46	43	56	43	40	55	41	37	53	39	35
				Exposed	60	60	60	60	60	59	60	59	56	60	56	53	60	54	50	60	51	47	60	49	45	60	46	43	59	43	39	55	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	46	44	49	43	42	47	41	39	45	39	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	46	50	46	44	50	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	43	42	47	41	39	45	39	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	46	44	47	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	43	41	46	41	39	45	39	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	46	44	47	43	41	46	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		46	45		46	42	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	44		47	41		46	39		44	0		41	0	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	46		46	42				
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47		48	44		48	41		46	38		44	0		41	0	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	45	49	45	42	49	42	39	48	40	36	47	38	33	46	36	31			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	47	43	49	44	41	49	43	39	49	39	35	49	37	33	47	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	49	45	51	45	42	50	42	39	49	40	36	48	38	33	47	36	31
				Exposed	51	51	51	51	51	51	51	51	50	51	51	48	51	49	45	51	46	43	51	44	41	51	43	39	51	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	53	49	45	52	45	42	51	42	39	50	40	36	49	38	33	48	36	0
				Exposed	53	53	53	53	53	53	53	53	50	53	51	48	53	49	45	53	46	43	53	44	41	53	42	39	53	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	53	50	55	49	45	54	45	42	53	42	39	52	40	36	51	37	33	49	35	0
				Exposed	55	55	55	55	55	53	55	54	50	55	51	48	55	49	45	55	46	43	55	44	41	55	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	56	52	57	53	50	56	49	45	55	45	42	54	42	38	53	40	36	51	37	33	49	35	0
				Exposed	57	57	57	57	57	53	57	54	50	57	51	47	57	49	45	57	46	43	57	44	41	57	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	58	55	60	56	52	59	53	50	58	49	45	57	45	42	56	42	38	54	40	36	51	37	33	49	35	0
				Exposed	60	60	57	60	57	53	60	54	50	60	51	47	60	49	45	60	46	43	60	44	41	58	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	46	44	48	43	41	47	41	39
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41	45	41	39
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	41	39
		5:12	22.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
		6:12	26.6	Non-Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45	
				Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	44	
		7:12	30.3	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	45	41	46	42	38	46	40	36	46	37	33
		8:12	33.7	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	46	43
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	45	41	48	42	38	48	40	36	48	37	33
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	49	45	50	46	43	50	46	43
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	44	50	45	41	50	42	38	50	39	36	50	37	33
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	45	52	46	43
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	48	44	52	45	41	52	42	38	52	39	35	51	37	33
		11:12	42.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	52	49	54	49	45	54	46	42			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	52	48	54	48	44	54	44	41	54	42	38	54	39	35	51	37	33
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	52	57	52	49	56	49	45	55	46	42			
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	56	53	57	52	48	57	48	44	57	44	41	57	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	45	43	47	42	40			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	45	48	44	42	47	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	43	45	42	40			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	42	45	41	39	44	38	0	42	0	0	40	0	0
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	40			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39	44	38	0	42	0	0	40	0	0
		5:12	22.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44				
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	42		44	40		44	37							
		6:12	26.6	Non-Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45							
				Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	42		45	40		45	37							
		7:12	30.3	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	43	40	46	41	37	46	39	35			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	46	46	46	43	46	43	39	46	40	36	46	38	33	46	35	0	43	0	0
		8:12	33.7	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	43	40	48	41	37	47	39	35
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	43	39	48	40	36	48	38	33	48	35	0	46	0	0	43	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	46	43	50	43	40	49	41	37	48	39	35
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	47	43	50	43	39	50	40	36	50	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	50	46	52	46	43	51	43	40	50	41	37	50	39	35
				Exposed	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	46	43	52	44	41	52	42	39	52	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	54	49	45	53	45	42	52	42	38	51	40	36	51	37	33
				Exposed	54	54	54	54	54	53	54	54	50	54	51	47	54	49	45	54	46	43	54	44	41	54	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	56	52	57	53	50	56	49	45	55	45	42	54	42	38	53	40	36	51	37	33	49	35	0
				Exposed	57	57	57	57	57	53	57	54	50	57	51	47	57	49	45	57	46	43	57	44	41	57	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
	D	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	46	44	48	43	42	47	41	39	45	39	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	44	48	43	41	46	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	42	45	41	39	44	39	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41	45	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	41	39	44	39	0
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	40	38	43	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	42							
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	41		44	41		44	39		44	0		41	0	
		6:12	26.6	Non-Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	42				
				Exposed	45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	45		45	41		45	38		44	0		41	0				
		7:12	30.3	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	42	46	42	39	46	40	36	45	38	33	45	36	31
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	44	41	46	43	39	46	39	35	46	37	33	46	0	0	45	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	45	42	48	42	39	47	40	36	46	38	33	46	36	31
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	43	48	44	41	48	43	39	48	39	35	48	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	45	50	45	42	49	42	39	48	40	36	48	38	33	47	36	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	43	50	44	41	50	42	39	50	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	49	45	52	45	42	51	42	39	50	40	36	49	37	33	48	35	0
				Exposed	52	52	52	52	52	52	52	52	50	52	51	48	52	49	45	52	46	43	52	44	41	52	42	39	52	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	53	50	54	49	45	53	45	42	52	42	38	51	40	36	51	37	33	49	35	0
				Exposed	54	54	54	54	54	53	54	54	50	54	51	47	54	49	45	54	46	43	54	44	41	54	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	56	52	57	53	50	56	49	45	55	45	42	54	42	38	53	40	36	51	37	33	49	35	0
				Exposed	57	57	57	57	57	53	57	54	50	57	51	47	57	49	45	57	46	43	57	44	41	57	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
50	B	2:12	9.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41	45	41	39	45	41	39
		3:12	14.0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	41	39	42	41	39
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	41	39	42	41	39
		5:12	22.6	Non-Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
				Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
		6:12	26.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
		7:12	30.3	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	40	36	44	37	33
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	45	41	46	42	38	46	40	36	46	37	33
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	43
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	45	41	48	42	38	48	39	36	48	37	33
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	49	50	49	45	50	46	43	50	46	43
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	44	50	45	41	50	42	38	50	39	35	50	37	33	50	37	33
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	45	52	46	42	52	46	42	52	46	42
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	48	44	52	44	41	52	42	38	52	39	35	51	37	33
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	49	45	54	46	42	54	46	42	54	46	42
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	52	48	54	48	44	54	44	41	54	42	38	54	39	35	51	37	33
	C	2:12	9.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	42	40	45	42	40	45	42	40
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	42	45	41	39	44	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	38	0	42	0	0	40	0	0	40	0	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	38	0	42	0	0	40	0	0	40	0	0
		5:12	22.6	Non-Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
				Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	40		42	37	
		6:12	26.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		43	40		43	37				
		7:12	30.3	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	43	40	44	41	37	44	39	35
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	43	39	44	40	36	44	38	33	44	35	0	44	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	43	40	46	41	37	45	39	35
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	43	39	46	40	36	46	38	33	46	35	0	46	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	43	40	47	41	37	47	39	35
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	43	39	48	40	36	48	37	33	48	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	46	43	49	43	40	49	41	37	48	39	35
				Exposed	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	43	50	44	41	50	42	39	50	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	49	45	52	45	42	51	42	38	50	40	36	49	37	33	48	35	0
				Exposed	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	46	43	52	44	41	52	42	39	52	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	53	50	54	49	45	53	45	42	52	42	38	52	40	36	51	37	33	49	35	0
				Exposed	54	54	54	54	54	53	54	54	50	54	51	47	54	49	45	54	46	43	54	44	41	54	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
	D	2:12	9.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	42	45	41	39	45	39	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41	45	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	39	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	41	39	42	39	0
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	37	0	41	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42	
				Exposed	42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	42		42	41		42	39		42	0		41	0				
		6:12	26.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42				
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	41		43	38		43	0		41	0				
		7:12	30.3	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	39	44	40	36	44	38	33	43	36	31			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	43	39	44	39	35	44	37	33	44	0	0	44	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	42	46	42	39	46	40	36	45	38	33	44	36	31
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	44	41	46	43	39	46	39	35	46	37	33	46	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	42	48	42	39	47	40	36	46	38	33	45	36	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	43	48	44	41	48	42	39	48	39	35	48	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	45	50	45	42	49	42	39	48	40	36	48	37	33	47	35	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	48	50	49	45	50	46	43	50	44	41	50	42	39	50	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	49	45	52	45	42	51	42	38	50	40	36	49	37	33	48	35	0
				Exposed	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	46	43	52	44	41	52	42	39	52	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	53	50	54	49	45	53	45	42	52	42	38	52	40	36	51	37	33	49	35	0
				Exposed	54	54	54	54	54	53	54	54	50	54	51	47	54	49	45	54	46	43	54	44	41	54	42	39	54	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40	
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	36	42	37	33
		8:12	33.7	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	40	36	44	37	33
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	43	46	46	43
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	42	38	46	39	36	46	37	33	46	37	33
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	43	48	46	43
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	41	48	42	38	48	39	35	48	37	33
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	49	45	50	46	42	50	46	42
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	44	50	44	41	50	42	38	50	39	35	50	37	33
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	45	52	46	42	52	46	42
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	48	44	52	44	41	52	42	38	52	39	35
	C	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	38	0	42	0	0	40	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	0	41	0	0	40	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	0
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40	
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	37	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	40		41	37				
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	41	37	42	39	35
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	40	36	42	38	33	42	35	0	42	0	0	42	0	0
		8:12	33.7	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	41	37	44	39	35
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	44	44	44	43	44	39	44	40	36	44	38	33	44	35	0	44	0	0	43	0	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	43	40	46	41	37
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	43	39	46	40	36	46	37	33	46	35	0	46	0	0	43	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	43	40	47	41	37	47	39	35
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	43	39	48	40	36	48	37	33	48	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	46	43	50	43	40	49	41	37	48	39	35
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	47	43	50	43	39	50	40	36	50	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	50	46	52	46	43	51	43	40	50	41	37	50	39	35
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	46	43	52	43	39	52	40	36	51	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	39	0
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	0
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	0	41	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	0
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	0	40	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40	
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	39		40	0		40	0	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	38		41	0		41	0	
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	40	36	42	38	33	42	36	31
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	39	35	42	37	33	42	0	0	42	0	0	42	0	0	40	0	0
		8:12	33.7	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	42	39	44	40	36	43	38	33	43	36	31
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	43	39	44	39	35	44	37	33	44	0	0	44	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	42	46	42	39	45	40	36	45	38	33	44	36	0
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	44	41	46	42	39	46	39	35	46	37	33	46	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	45	42	48	42	39	47	40	36	46	37	33	45	35	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	43	48	44	41	48	42	39	48	39	35	48	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	45	50	45	42	49	42	38	48	40	36	48	37	33	47	35	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	46	43	50	44	41	50	42	39	50	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	45	52	45	42	51	42	38	50	40	36	49	37	33	48	35	0
				Exposed	52	52	52	52	52	52	52	52	50	52	51	47	52	49	45	52	46	43	52	44	41	52	42	39	52	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
60	B	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
		3:12	14.0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		5:12	22.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	36	41	37	33
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	36	42	37	33
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	39	36	44	37	33
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	43	40	46	41	37
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	45	41	46	42	38	46	39	35	46	37	33	46	37	33
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	42	48	42	38
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	44	41	48	42	38	48	39	35	48	37	33
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	49	45	50	46	42	50	42	38
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	44	50	44	41	50	42	38	50	39	35	50	37	33	50	37	33
	C	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	41	41	41	40
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		3:12	14.0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		5:12	22.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	37	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	37	
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	39	35
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	0	41	0	0	41	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	36	42	38	33
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	43	39	44	40	36	44	37	33	44	35	0	44	0	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	43	40	46	41	37
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	43	39	46	40	36	46	37	33	46	35	0	46	0	0	43	0	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	43	40	47	41	37	47	39	35
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	47	43	48	43	39	48	40	36	48	37	33	48	35	0	46	0	0	43	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	50	46	43	50	43	40	49	41	37	48	39	35
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	46	43	50	43	39	50	40	36	50	37	33	48	35	0	46	0	0	43	0	0
	D	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	37	0	41	0	0	38	0	0	0	0	0
		3:12	14.0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
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		5:12	22.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	0	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	38		39	0		39	0	
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	40	36	41	38	33	40	36	31
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	35	41	37	33	41	0	0	41	0	0	41	0	0	40	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	40	36	42	38	33	42	36	31
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	39	35	42	37	33	42	0	0	42	0	0	42	0	0	40	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	42	39	44	40	36	43	38	33	43	36	0
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	42	39	44	39	35	44	37	33	44	0	0	44	0	0	42	0	0	40	0	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	42	46	42	39	46	40	36	45	37	33	44	35	0
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	44	41	46	42	39	46	39	35	46	37	33	46	0	0	44	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	45	42	48	42	38	47	40	36	46	37	33	46	35	0
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	46	43	48	44	41	48	42	39	48	39	35	48	37	33	47	0	0	44	0	0	42	0	0	40	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	45	50	45	42	50	42	38	49	40	36	48	37	33	47	35	0
				Exposed	50	50	50	50	50	50	50	50	50	50	50	47	50	49	45	50	46	43	50	44	41	50	42	39	50	39	35	50	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	33
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	37	33	39	37	33
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	39	36	41	37	33	41	39	36
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	39	35	43	37	33
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	42	45	42	38
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	44	41	45	42	38	45	39	35	45	37	33	45	37	33
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	42	47	46	42
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	44	41	47	42	38	47	39	35	47	37	33
	C	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	0	0	0
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	33	38	35	0	38	0	0	38	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	38	33	39	35	0	39	0	0	39	0	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	40	36	41	38	33	41	36	0
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	35	41	37	33	41	39	33	41	35	0	41	0	0	40	0	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	42	39	43	40	36	43	37	33	42	0	0
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	39	43	39	35	43	37	33	43	0	0	43	0	0	40	0	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	42	38	45	40	36	44	37	33	43	0	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	44	41	45	42	39	45	39	35	45	37	33	45	0	0	44	0	0	42	0	0	40	0	0	40	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	42	47	42	38	46	40	36	46	37	33	45	35	0	40	0	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	43	47	44	41	47	42	39	47	39	35	47	37	33	47	0	0	44	0	0	42	0	0	40	0	0
	D	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	0	38	0	0	38	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	0	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	36	31
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	37	33	38	0	0	38	0	0	38	0	0	38	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	33	39	36	31
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	35	39	37	33	39	0	0	39	0	0	39	0	0	39	0	0
		9:12	36.9	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	40	36	41	38	33	41	36	0
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	35	41	37	33	41	0	0	41	0	0	40	0	0	40	0	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	42	39	43	40	36	43	37	33	42	0	0
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	39	43	39	35	43	37	33	43	0	0	42	0	0	40	0	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	42	38	45	40	36	44	37	33	43	0	0
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	44	41	45	42	39	45	39	35	45	37	33	45	0	0	44	0	0	42	0	0	40	0	0	40	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	42	47	42	38	46	40	36	46	37	33	45	35	0	40	0	0
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	46	43	47	44	41	47	42	39	47	39	35	47	37	33	47	0	0	44	0	0	42	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
80	B	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	37	33	37	37	33
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	33	38	37	33	38	37	33
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	37	33	40	37	33
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	39	35	44	37	33
	C	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	0	0	33	0	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	0	35	0	0	35	0	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	33	37	35	0	37	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	33	38	35	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	37	33
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	39	44	39	35	44	37	33
	D	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	0	36	0	0	36	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	0	34	0	0	0	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	0	33	0	0	0	0	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	0	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	0	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	0	0	35	0	0	35	0	0
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	31
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	33	37	0	0	37	0	0	37	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	0	38	0	0	38	0	0
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	37	33	40	35	0
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	35	40	37	33	40	0	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38	42	40	36	42	37	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	39	35	42	37	33
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	35
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	42	39	44	39	35

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	37	33
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	39	35	42	37	33
	C	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	37	33
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	36	42	37	33
	D	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	35	35	35	35	35	35	35	35
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	36	36	36	36	36	36	36	36
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	38	38	38	38	38
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	35
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	35	40	37	33
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	35	42	37	33

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
100	B	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	36	36	36	36	36	33
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	C	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	36	36	36	36	36	36	33
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	D	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	35	36	36	36	36	36	35
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	35	36	36	36	36	36	33
		11:12	42.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	35	38	38	38	38	38	35
		12:12	45	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	40	40	40	40	40	40	37
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	35	40	37	33	40	35	0	40	0	0	40	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	37	33	38	37	33
	C	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	0	31	0	0	31	0	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	0	29	0	0	29	0	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	37	33	38	0	0	38	0	0	38	0	0	38	0	0
	D	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	37	33	38	0	0	38	0	0	38	0	0	38	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Landscape – Panel Width = 45 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
120	B	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	64	74	74	61	74	70	58	74	67	55	74	61	50	68	56	46	62	51	42	58	48	39	54	45	37	50	42	35
				Exposed	74	74	63	74	72	59	74	68	55	74	64	52	73	60	49	69	57	47	66	54	44	63	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	64	74	74	60	74	70	57	74	67	55	74	61	50	67	56	46	62	51	42	58	48	39	54	44	37	50	42	35
				Exposed	74	74	63	74	72	59	74	67	55	74	64	52	73	60	49	69	57	47	66	54	44	62	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	74	74	74	74	74	73	74	74	68	74	72	64	74	68	60	74	64	57	73	60	54	70	57	51	64	52	46	59	48	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	74	67	59	74	62	55	71	58	52	67	55	49	64	52	46	61	49	43	58	46	41	55	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	74	74	74	74	74	72	74	74	68	74	72	63	74	67	60	74	64	56	73	60	53	70	57	51	64	52	46	59	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	74	66	59	74	62	55	71	58	52	67	55	48	63	51	46	60	49	43	58	46	41	55	44	40	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	74	74	74	74	74	72	74	74	67	74	71	63	74	67	60	74	63	56	73	60	53	69	57	51	64	52	46	59	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	74	66	59	74	62	55	70	58	51	66	54	48	63	51	46	60	49	43	57	46	41	55	44	39	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	74	68	74	71	64	74	67	61	74	64	58	74	58	52	69	53	48	64	49	44	60	45	41	56	42	38	53	40	36
				Exposed	74	74	67	74	69	63	74	65	59	74	61	55	74	57	52	71	54	49	67	52	47	64	49	44	59	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		6:12	26.6	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	70	64	74	67	61	74	63	58	74	58	52	69	53	48	64	49	44	60	45	41	56	42	38	52	40	36			
				Exposed	74	73	67	74	68	62	74	64	58	74	61	55	74	57	52	70	54	49	67	51	47	64	49	44	59	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	74	69	74	74	66	74	72	63	72	66	57	66	60	53	60	56	48	56	52	45	52	48	42	48	45	39
				Exposed	74	74	72	74	74	68	74	73	64	74	69	60	71	65	57	68	62	54	64	59	51	61	56	49	55	51	45	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	69	74	74	66	74	71	63	71	65	57	65	60	52	60	55	48	56	51	45	52	48	42	48	45	39
				Exposed	74	74	71	74	74	67	74	72	64	74	68	60	71	65	57	67	62	54	64	59	51	61	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	74	68	74	74	65	74	70	62	70	65	57	65	60	52	60	55	48	55	51	45	52	48	42	48	45	39
				Exposed	74	74	71	74	74	67	74	71	63	74	68	60	70	64	57	67	61	54	63	58	51	60	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	68	74	73	65	74	70	62	70	64	57	65	60	52	60	55	48	55	51	45	51	48	42	48	45	39
				Exposed	74	74	70	74	74	66	74	71	63	73	67	60	69	64	56	66	61	53	63	58	51	60	55	48	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	71	74	74	67	74	72	64	74	69	62	69	64	57	64	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	74	74	70	74	74	66	74	70	62	72	67	59	69	64	56	66	61	53	63	58	51	60	55	48	55	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	74	74	67	74	72	64	74	69	61	69	64	57	64	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	74	74	69	74	74	66	74	70	62	72	66	59	69	63	56	65	60	53	62	58	51	60	55	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	74	74	66	74	74	62	74	71	58	74	67	55	74	63	52	73	60	49	69	57	46	65	54	44	60	49	41	55	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	74	62	51	71	58	48	66	55	45	63	52	42	59	49	40	56	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	74	74	66	74	74	61	74	70	58	74	66	54	74	63	51	72	59	49	69	57	46	65	54	44	59	49	40	54	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	74	62	51	70	58	48	66	55	45	62	52	42	59	49	40	56	46	38	53	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	74	70	62	74	65	58	74	61	54	70	57	51	66	54	48	63	51	45	60	48	43	57	46	41	53	42	38	49	39	35	45	36	33	42	34	31	40	32	29	38	30	28
				Exposed	65	53	47	61	50	44	58	47	42	55	44	40	52	42	38	50	40	36	48	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	74	69	62	74	65	57	73	61	54	69	57	51	66	54	48	63	51	45	60	48	43	57	46	41	52	42	38	49	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	65	53	47	61	50	44	58	47	41	55	44	39	52	41	38	50	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	74	69	61	74	64	57	73	60	54	69	57	51	66	54	48	62	51	45	60	48	43	57	46	41	52	42	38	48	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	65	53	47	61	49	44	58	46	41	55	44	39	52	41	38	50	40	36	47	38	35	45	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	74	74	70	74	72	66	74	67	61	74	64	58	74	60	54	74	57	51	70	54	49	67	51	46	62	47	42	57	43	39	53	40	36	49	37	34	46	35	31	43	33	29
				Exposed	74	59	54	72	55	50	68	52	47	64	49	44	61	46	42	58	44	40	56	42	38	53	40	36	49	37	33	45	35	31	42	32	28	39	30	27	37	29	25	35	27	0
0		6:12	26.6	Non-Exposed	74	74	70	74	72	65	74	67	61	74	63	58	74	60	54	73	57	51	70	54	49	67	51	46	61	46	42	57	43	39	53	40	36	49	37	33	46	35	31	43	33	29
				Exposed	74	59	53	71	55	50	68	52	47	64	49	44	61	46	42	58	44	40	56	42	38	53	40	36	49	37	33	45	34	31	42	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	74	74	74	74	74	71	74	74	67	74	72	63	74	68	59	71	64	56	67	61	53	64	58	51	58	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	73	67	58	69	63	55	65	59	52	61	56	49	57	53	46	54	50	44	51	48	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	74	74	74	74	74	70	74	74	66	74	71	63	73	67	59	70	64	56	67	61	53	63	58	51	58	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	72	67	58	68	63	55	64	59	51	60	56	49	57	53	46	54	50	44	51	47	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	74	74	73	74	74	69	74	74	66	74	70	62	73	67	59	69	64	56	66	61	53	63	58	51	57	53	46	52	49	42	48	45	39	45	42	37	42	39	35	39	37	33
				Exposed	72	66	58	68	62	55	64	59	51	60	55	48	57	52	46	54	50	44	51	47	41	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	74	74	73	74	74	69	74	73	65	74	70	62	72	66	59	69	63	56	66	61	53	63	58	51	57	53	46	52	48	42	48	45	39	45	42	37	41	39	35	39	37	33
				Exposed	71	66	58	67	62	54	63	59	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	74	74	72	74	74	68	74	73	65	74	69	62	72	66	59	68	63	56	65	60	53	62	58	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	71	65	58	67	62	54	63	58	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	74	74	72	74	74	68	74	72	65	74	69	61	71	66	58	68	63	56	65	60	53	62	57	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	70	65	58	66	61	54	63	58	51	59	55	48	56	52	46	53	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	74	72	59	74	68	55	74	64	52	73	60	49	69	57	46	65	54	44	62	51	42	59	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	68	56	46	63	52	43	60	49	41	56	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	74	72	59	74	67	55	74	63	52	73	60	49	68	56	46	65	54	44	62	51	42	59	49	40	53	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	67	56	46	63	52	43	59	49	40	56	47	39	53	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	74	62	55	71	58	52	67	54	48	63	51	46	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	59	48	42	56	45	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	74	62	55	70	58	51	66	54	48	63	51	45	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	59	47	42	56	44	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	74	62	55	70	58	51	66	54	48	63	51	45	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	59	47	42	55	44	40	52	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	74	69	63	74	64	59	74	60	55	74	57	52	70	54	49	67	51	46	64	48	44	61	46	42	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	69	53	48	65	50	45	62	47	42	58	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	74	69	63	74	64	58	74	60	55	73	57	51	70	54	49	66	51	46	63	48	44	61	46	41	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	69	53	48	65	49	45	61	47	42	58	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	74	74	68	74	73	64	74	69	60	71	65	56	67	61	53	63	58	51	60	55	48	57	53	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	66	60	53	62	57	49	58	53	46	54	50	44	51	48	42	49	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	74	74	67	74	72	63	74	68	60	70	64	56	66	61	53	63	58	51	60	55	48	57	52	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	66	60	52	61	56	49	58	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	74	74	67	74	71	63	73	67	59	69	64	56	66	61	53	63	58	50	60	55	48	57	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	65	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	74	74	66	74	71	63	73	67	59	69	64	56	65	61	53	62	57	50	59	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	65	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	74	74	66	74	70	62	72	67	59	68	63	56	65	60	53	62	57	50	59	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	64	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	74	74	66	74	70	62	72	66	59	68	63	56	65	60	53	62	57	50	59	54	48	56	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	64	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	Flat	0	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	64	74	74	61	74	70	58	74	67	55	74	61	50	68	56	46	62	51	42	58	48	39	54	45	37	50	42	35
				Exposed	74	74	63	74	72	59	74	68	55	74	64	52	73	60	49	69	57	47	66	54	44	63	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	74	74	74	74	74	74	74	74	72	74	74	68	74	74	64	74	74	60	74	70	57	74	67	55	74	61	50	67	56	46	62	51	42	58	48	39	54	44	37	50	42	35
				Exposed	74	74	63	74	72	59	74	67	55	74	64	52	73	60	49	69	57	47	66	54	44	62	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	74	74	74	74	74	73	74	74	68	74	72	64	74	68	60	74	64	57	73	60	54	70	57	51	64	52	46	59	48	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	74	67	59	74	62	55	71	58	52	67	55	49	64	52	46	61	49	43	58	46	41	55	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	72	72	72	72	72	72	72	72	68	72	72	63	72	67	60	72	64	56	72	60	53	70	57	51	64	52	46	59	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	72	66	59	72	62	55	71	58	52	67	55	48	63	51	46	60	49	43	58	46	41	55	44	40	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	72	72	72	72	72	72	72	72	67	72	71	63	72	67	60	72	63	56	72	60	53	69	57	51	64	52	46	59	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	72	66	59	72	62	55	70	58	51	66	54	48	63	51	46	60	49	43	57	46	41	55	44	40	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	68	72	71	64	72	67	61	72	64	58	72	58	52	69	53	48	64	49	44	60	45	41	56	42	38	53	40	36
				Exposed	72	72	67	72	69	63	72	65	59	72	61	55	72	57	52	71	54	49	67	52	47	64	49	44	59	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		6:12	26.6	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	68	71	70	64	71	67	61	71	63	58	71	58	52	69	53	48	64	49	44	60	45	41	56	42	38	52	40	36
				Exposed	71	71	67	71	68	62	71	64	58	71	61	55	71	57	52	70	54	49	67	51	47	64	49	44	59	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	71	71	66	71	71	63	71	66	57	66	60	53	60	56	48	56	52	45	52	48	42	48	45	39
				Exposed	71	71	71	71	71	68	71	71	64	71	69	60	71	65	57	68	62	54	64	59	51	61	56	49	55	51	45	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	69	71	71	66	71	71	63	71	65	57	65	60	52	60	55	48	56	51	45	52	48	42	48	45	39
				Exposed	71	71	71	71	71	67	71	71	64	71	68	60	71	65	57	67	62	54	64	59	51	61	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	68	72	72	65	72	70	62	70	65	57	65	60	52	60	55	48	55	51	45	52	48	42	48	45	39
				Exposed	72	72	71	72	72	67	72	71	63	72	68	60	70	64	57	67	61	54	63	58	51	60	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	72	72	68	72	72	65	72	70	62	70	64	57	65	60	52	60	55	48	55	51	45	51	48	42	48	45	39
				Exposed	72	72	70	72	72	66	72	71	63	72	67	60	69	64	56	66	61	53	63	58	51	60	55	48	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		11:12	42.5	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	72	72	67	72	72	64	72	69	62	69	64	57	64	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	72	72	70	72	72	66	72	70	62	72	67	59	69	64	56	66	61	53	63	58	51	60	55	48	55	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	73	70	73	73	67	73	72	64	73	69	61	69	64	57	64	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	73	73	69	73	73	66	73	70	62	72	66	59	69	63	56	65	60	53	62	58	51	60	55	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	74	74	66	74	74	62	74	71	58	74	67	55	74	63	52	73	60	49	69	57	46	65	54	44	60	49	41	55	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	74	62	51	71	58	48	66	55	45	63	52	42	59	49	40	56	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	74	74	66	74	74	61	74	70	58	74	66	54	74	63	51	72	59	49	69	57	46	65	54	44	59	49	40	54	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	74	62	51	70	58	48	66	55	45	62	52	42	59	49	40	56	46	38	53	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	74	70	62	74	65	58	74	61	54	70	57	51	66	54	48	63	51	45	60	48	43	57	46	41	53	42	38	49	39	35	45	36	33	42	34	31	40	32	29	38	30	28
				Exposed	65	53	47	61	50	44	58	47	42	55	44	40	52	42	38	50	40	36	48	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	72	69	62	72	65	57	72	61	54	69	57	51	66	54	48	63	51	45	60	48	43	57	46	41	52	42	38	49	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	65	53	47	61	50	44	58	47	41	55	44	39	52	41	38	50	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	72	69	61	72	64	57	72	60	54	69	57	51	66	54	48	62	51	45	60	48	43	57	46	41	52	42	38	48	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	65	53	47	61	49	44	58	46	41	55	44	39	52	41	38	50	40	36	47	38	35	45	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	72	72	70	72	72	66	72	67	61	72	64	58	72	60	54	72	57	51	70	54	49	67	51	46	62	47	42	57	43	39	53	40	36	49	37	34	46	35	31	43	33	29
				Exposed	72	59	54	72	55	50	68	52	47	64	49	44	61	46	42	58	44	40	56	42	38	53	40	36	49	37	33	45	35	31	42	32	28	39	30	27	37	29	25	35	27	0
		6:12	26.6	Non-Exposed	71	71	70	71	71	65	71	67	61	71	63	58	71	60	54	71	57	51	70	54	49	67	51	46	61	46	42	57	43	39	53	40	36	49	37	33	46	35	31	43	33	29
				Exposed	71	59	53	71	55	50	68	52	47	64	49	44	61	46	42	58	44	40	55	42	38	53	40	36	49	37	33	45	34	31	42	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	67	71	71	63	71	68	59	71	64	56	67	61	53	64	58	51	58	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	71	67	58	69	63	55	65	59	52	61	56	49	57	53	46	54	50	44	51	48	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	71	71	71	71	71	70	71	71	66	71	71	63	71	67	59	70	64	56	67	61	53	63	58	51	58	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	71	67	58	68	63	55	64	59	51	60	56	49	57	53	46	54	50	44	51	47	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	72	72	72	72	72	69	72	72	66	72	70	62	72	67	59	69	64	56	66	61	53	63	58	51	57	53	46	52	49	42	48	45	39	45	42	37	42	39	35	39	37	33
				Exposed	72	66	58	68	62	55	64	59	51	60	55	48	57	52	46	54	50	44	51	47	41	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	72	72	72	72	72	69	72	72	65	72	70	62	72	66	59	69	63	56	66	61	53	63	58	51	57	53	46	52	48	42	48	45	39	45	42	37	41	39	35	39	37	33
				Exposed	71	66	58	67	62	54	63	59	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	72	72	72	72	72	68	72	72	65	72	69	62	72	66	59	68	63	56	65	60	53	62	58	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	71	65	58	67	62	54	63	58	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	73	73	72	73	73	68	73	72	65	73	69	61	71	66	58	68	63	56	65	60	53	62	57	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	70	65	58	66	61	54	63	58	51	59	55	48	56	52	46	53	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	74	72	59	74	68	55	74	64	52	73	60	49	69	57	46	65	54	44	62	51	42	59	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	68	56	46	63	52	43	60	49	41	56	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	74	72	59	74	67	55	74	63	52	73	60	49	68	56	46	65	54	44	62	51	42	59	49	40	53	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	67	56	46	63	52	43	59	49	40	56	47	39	53	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	74	62	55	71	58	52	67	54	48	63	51	46	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	59	48	42	56	45	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	72	62	55	70	58	51	66	54	48	63	51	45	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	59	47	42	56	44	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	72	62	55	70	58	51	66	54	48	63	51	45	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	59	47	42	55	44	40	52	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	72	69	63	72	64	59	72	60	55	72	57	52	70	54	49	67	51	46	64	48	44	61	46	42	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	69	53	48	65	50	45	62	47	42	58	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	71	69	63	71	64	58	71	60	55	71	57	51	70	54	49	66	51	46	63	48	44	61	46	41	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	69	53	48	65	49	45	61	47	42	58	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	71	71	68	71	71	64	71	69	60	71	65	56	67	61	53	63	58	51	60	55	48	57	53	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	66	60	53	62	57	49	58	53	46	54	50	44	51	48	42	49	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	71	71	67	71	71	63	71	68	60	70	64	56	66	61	53	63	58	51	60	55	48	57	52	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	66	60	52	61	56	49	58	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	72	72	67	72	71	63	72	67	59	69	64	56	66	61	53	63	58	50	60	55	48	57	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	65	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	72	72	66	72	71	63	72	67	59	69	64	56	65	61	53	62	57	50	59	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	65	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	72	72	66	72	70	62	72	67	59	68	63	56	65	60	53	62	57	50	59	54	48	56	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	64	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	73	73	66	73	70	62	72	66	59	68	63	56	65	60	53	62	57	50	59	54	48	56	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	64	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	68	70	70	64	70	70	61	70	70	58	70	67	55	70	61	50	68	56	46	62	51	42	58	48	39	54	45	37	50	42	35
				Exposed	70	70	63	70	70	59	70	68	55	70	64	52	70	60	49	69	57	47	66	54	44	63	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	64	68	68	60	68	68	57	68	67	55	68	61	50	67	56	46	62	51	42	58	48	39	54	44	37	50	42	35
				Exposed	68	68	63	68	68	59	68	67	55	68	64	52	68	60	49	68	57	47	66	54	44	62	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	60	64	64	57	64	60	54	64	57	51	64	52	46	59	48	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	64	64	59	64	62	55	64	58	52	64	55	49	64	52	46	61	49	43	58	46	41	55	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	56	62	60	53	62	57	51	62	52	46	59	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	62	62	59	62	62	55	62	58	52	62	55	48	62	51	46	60	49	43	58	46	41	55	44	40	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	63	56	63	60	53	63	57	51	63	52	46	59	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	63	63	59	63	62	55	63	58	51	63	54	48	63	51	46	60	49	43	57	46	41	55	44	39	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	58	63	58	52	63	53	48	63	49	44	60	45	41	56	42	38	53	40	36
				Exposed	63	63	63	63	63	63	63	63	59	63	61	55	63	57	52	63	54	49	63	52	47	63	49	44	59	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
	B	6:12	26.6	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	58	63	58	52	63	53	48	63	49	44	60	45	41	56	42	38	52	40	36			
				Exposed	63	63	63	63	63	62	63	63	58	63	61	55	63	57	52	63	54	49	63	51	47	63	49	44	59	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		7:12	30.3	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	57	63	60	53	60	56	48	56	52	45	52	48	42	48	45	39			
				Exposed	63	63	63	63	63	63	63	63	63	63	63	60	63	63	57	63	62	54	63	59	51	61	56	49	55	51	45	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		8:12	33.7	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	57	63	60	52	60	55	48	56	51	45	52	48	42	48	45	39
				Exposed	64	64	64	64	64	64	64	64	64	64	64	60	64	64	57	64	62	54	64	59	51	61	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	62	65	65	57	64	60	52	60	55	48	55	51	45	52	48	42	48	45	39
				Exposed	65	65	65	65	65	65	65	65	63	65	65	60	65	64	57	65	61	54	63	58	51	60	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	62	66	66	57	65	60	52	60	55	48	55	51	45	51	48	42	48	45	39			
				Exposed	66	66	66	66	66	66	66	66	63	66	66	60	66	64	56	66	61	53	63	58	51	60	55	48	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		11:12	42.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	66	57	64	59	52	59	55	48	55	51	45	51	48	42	48	45	39			
				Exposed	66	66	66	66	66	66	66	66	62	66	66	59	66	64	56	66	61	53	63	58	51	60	55	48	55	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	64	67	67	61	67	64	57	64	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	67	67	67	67	67	66	67	67	62	67	66	59	67	63	56	65	60	53	62	58	51	60	55	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		Flat	0	Non-Exposed	70	70	66	70	70	62	70	70	58	70	67	55	70	63	52	70	60	49	69	57	46	65	54	44	60	49	41	55	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	70	62	51	70	58	48	66	55	45	63	52	42	59	49	40	56	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	68	68	66	68	68	61	68	68	58	68	66	54	68	63	51	68	59	49	68	57	46	65	54	44	59	49	40	54	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	68	62	51	68	58	48	66	55	45	62	52	42	59	49	40	56	46	38	53	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	64	64	62	64	64	58	64	61	54	64	57	51	64	54	48	63	51	45	60	48	43	57	46	41	53	42	38	49	39	35	45	36	33	42	34	31	40	32	29	38	30	28
				Exposed	64	53	47	61	50	44	58	47	42	55	44	40	52	42	38	50	40	36	48	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	57	62	61	54	62	57	51	62	54	48	62	51	45	60	48	43	57	46	41	52	42	38	49	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	62	53	47	61	50	44	58	47	41	55	44	39	52	41	38	50	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	63	63	61	63	63	57	63	60	54	63	57	51	63	54	48	62	51	45	60	48	43	57	46	41	52	42	38	48	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	63	53	47	61	49	44	58	46	41	55	44	39	52	41	38	50	40	36	47	38	35	45	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	63	63	63	63	63	63	63	63	61	63	63	58	63	60	54	63	57	51	63	54	49	63	51	46	62	47	42	57	43	39	53	40	36	49	37	34	46	35	31	43	33	29
				Exposed	63	59	54	63	55	50	63	52	47	63	49	44	61	46	42	58	44	40	56	42	38	53	40	36	49	37	33	45	35	31	42	32	28	39	30	27	37	29	25	35	27	0
10	C	6:12	26.6	Non-Exposed	63	63	63	63	63	63	63	63	61	63	63	58	63	60	54	63	57	51	63	54	49	63	51	46	61	46	42	57	43	39	53	40	36	49	37	33	46	35	31	43	33	29
				Exposed	63	59	53	63	55	50	63	52	47	63	49	44	61	46	42	58	44	40	55	42	38	53	40	36	49	37	33	45	34	31	42	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	59	63	63	56	63	61	53	62	58	51	58	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	63	63	58	63	63	55	63	59	52	61	56	49	57	53	46	54	50	44	51	48	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	63	64	64	59	64	64	56	63	61	53	63	58	51	58	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	64	64	58	64	63	55	64	59	51	60	56	49	57	53	46	54	50	44	51	47	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	65	65	65	65	65	65	65	65	65	65	65	62	65	65	59	64	56	64	61	53	63	58	51	57	53	46	52	49	42	48	45	39	45	42	37	42	39	35	39	37	33
				Exposed	65	65	58	65	62	55	64	59	51	60	55	48	57	52	46	54	50	44	51	47	41	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	65	66	66	62	66	66	59	66	63	56	65	61	53	63	58	51	57	53	46	52	48	42	48	45	39	45	42	37	42	39	35	39	37	33
				Exposed	66	66	58	66	62	54	63	59	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	59	66	63	56	65	60	53	62	58	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	66	65	58	66	62	54	63	58	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	65	67	67	61	67	66	58	67	63	56	65	60	53	62	57	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	67	65	58	66	61	54	63	58	51	59	55	48	56	52	46	53	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		Flat	0	Non-Exposed	70	70	59	70	68	55	70	64	52	70	60	49	69	57	46	65	54	44	62	51	42	59	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	68	56	46	63	52	43	60	49	41	56	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	68	68	59	68	67	55	68	63	52	68	60	49	68	56	46	65	54	44	62	51	42	59	49	40	53	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	67	56	46	63	52	43	59	49	40	56	47	39	53	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	64	62	55	64	58	52	64	54	48	63	51	46	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	59	48	42	56	45	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	62	62	55	62	58	51	62	54	48	62	51	45	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	59	47	42	56	44	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	63	62	55	63	58	51	63	54	48	63	51	45	60	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	59	47	42	55	44	40	52	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	63	63	63	63	63	59	63	60	55	63	57	52	63	54	49	63	51	46	63	48	44	61	46	42	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	63	53	48	63	50	45	62	47	42	58	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
	D	6:12	26.6	Non-Exposed	63	63	63	63	63	58	63	60	55	63	57	51	63	54	49	63	51	46	63	48	44	61	46	41	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	63	53	48	63	49	45	61	47	42	58	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	63	63	63	63	63	63	63	63	60	63	63	56	63	61	53	62	58	51	60	55	48	57	53	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	63	60	53	62	57	49	58	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	64	64	64	64	64	63	64	64	60	64	64	56	63	61	53	62	58	51	60	55	48	57	52	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	64	60	52	61	56	49	58	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	65	65	65	65	65	63	65	65	59	65	64	56	64	61	53	63	58	50	60	55	48	58	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	65	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	63	66	66	59	66	64	56	65	61	53	63	57	50	59	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	65	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	66	66	66	66	66	62	66	66	59	66	63	56	65	60	53	62	57	50	59	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	64	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	67	67	66	67	67	62	67	66	59	67	63	56	65	60	53	62	57	50	59	54	48	56	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	64	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	Flat	0	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	58	63	63	55	63	61	50	63	56	46	62	51	42	58	48	39	54	45	37	50	42	35
				Exposed	63	63	63	63	63	59	63	63	55	63	63	52	63	60	49	63	57	47	63	54	44	63	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	61	57	61	61	55	61	61	50	61	56	46	61	51	42	58	48	39	54	44	37	50	42	35
				Exposed	61	61	61	61	61	59	61	61	55	61	61	52	61	60	49	61	57	47	61	54	44	61	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	54	57	57	51	57	52	46	57	48	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	57	57	57	57	57	55	57	57	52	57	55	49	57	52	46	57	49	43	57	46	41	55	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	51	55	52	46	55	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	55	55	55	55	55	55	55	55	52	55	55	48	55	51	46	55	49	43	55	46	41	55	44	40	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	57	51	57	52	46	57	47	42	55	44	39	51	41	37	48	38	35	45	36	33
				Exposed	57	57	57	57	57	55	57	57	51	57	54	48	57	51	46	57	49	43	57	46	41	55	44	40	50	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	52	57	53	48	57	49	44	57	45	41	56	42	38	53	40	36
				Exposed	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	54	49	57	52	47	57	49	44	57	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		6:12	26.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	52	57	53	48	57	49	44	57	45	41	56	42	38	52	40	36
				Exposed	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	54	49	57	51	47	57	49	44	57	45	40	55	41	37	51	38	35	47	36	32	44	34	30	42	32	28
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	53	56	56	48	54	52	45	52	48	42	48	45	39
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	54	58	58	51	58	56	49	55	51	45	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		8:12	33.7	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	52	56	55	48	55	51	45	52	48	42	48	45	39
				Exposed	58	58	58	58	58	58	58	58	58	58	58	57	58	58	54	58	58	54	58	58	51	58	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	52	57	55	48	55	51	45	52	48	42	48	45	39
				Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	54	59	58	51	59	56	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	57	60	60	52	58	55	48	55	51	45	51	48	42	48	45	39
				Exposed	61	61	61	61	61	61	61	61	60	61	61	56	61	61	53	61	58	51	60	55	48	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	57	61	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	62	62	62	62	62	62	62	62	59	62	62	56	62	61	53	62	58	51	60	55	48	55	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	57	62	59	52	59	55	48	55	51	45	51	48	42	48	45	39
				Exposed	63	63	63	63	63	63	63	63	62	63	63	59	63	63	56	63	60	53	62	58	51	60	55	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	63	63	63	63	63	62	63	63	58	63	63	55	63	63	52	63	60	49	63	57	46	63	54	44	60	49	41	55	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	63	62	51	63	58	48	63	55	45	63	52	42	59	49	40	56	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	61	61	61	61	61	61	61	61	58	61	61	54	61	61	51	61	59	49	61	57	46	61	54	44	59	49	40	54	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	61	61	51	61	58	48	61	55	45	61	52	42	59	49	40	56	46	38	53	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	54	57	57	51	57	54	48	57	51	45	57	48	43	57	46	41	53	42	38	49	39	35	45	36	33	42	34	31	40	32	29	38	30	28
				Exposed	57	53	47	57	50	44	57	47	42	55	44	40	52	42	38	50	40	36	48	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	55	55	55	55	55	55	55	55	54	55	55	51	55	54	48	55	51	45	55	48	43	55	46	41	52	42	38	49	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	55	53	47	55	50	44	55	47	41	55	44	39	52	41	38	50	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	57	57	57	57	57	57	57	57	54	57	57	51	57	54	48	57	51	45	57	48	43	57	46	41	52	42	38	48	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	57	53	47	57	49	44	57	46	41	55	44	39	52	41	38	50	40	36	47	38	35	45	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	54	57	57	51	57	54	49	57	51	46	57	47	42	57	43	39	53	40	36	49	37	34	46	35	31	43	33	29
				Exposed	57	57	54	57	55	50	57	52	47	57	49	44	57	46	42	57	44	40	56	42	38	53	40	36	49	37	33	45	35	31	42	32	28	39	30	27	37	29	25	35	27	0
		6:12	26.6	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	54	57	57	51	57	54	49	57	51	46	57	46	42	57	43	39	53	40	36	49	37	33	46	35	31	43	33	29			
				Exposed	57	57	53	57	55	50	57	52	47	57	49	44	57	46	42	57	44	40	55	42	38	53	40	36	49	37	33	45	34	31	42	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	57	57	53	56	56	51	55	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	58	58	58	58	58	55	58	58	52	58	56	49	57	53	46	54	50	44	51	48	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	53	57	57	51	56	53	46	53	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	58	58	58	58	58	55	58	58	51	58	56	49	57	53	46	54	50	44	51	47	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	53	58	58	51	57	53	46	52	49	42	48	45	39	45	42	37	42	39	35	39	37	33
				Exposed	59	59	58	59	59	55	59	59	51	59	55	48	57	52	46	54	50	44	51	47	41	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	56	60	60	53	59	58	51	57	53	46	52	48	42	48	45	39	45	42	37	41	39	35	39	37	33
				Exposed	61	61	58	61	61	54	61	59	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	56	61	60	53	60	58	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	62	62	58	62	62	54	62	58	51	60	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	56	62	60	53	61	57	50	57	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	63	63	58	63	61	54	63	58	51	59	55	48	56	52	46	53	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	63	63	59	63	63	55	63	63	52	63	60	49	63	57	46	63	54	44	62	51	42	59	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	63	56	46	63	52	43	60	49	41	56	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	61	61	59	61	61	55	61	61	52	61	60	49	61	56	46	61	54	44	61	51	42	59	49	40	53	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	61	56	46	61	52	43	59	49	40	56	47	39	53	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	57	57	55	57	57	52	57	54	48	57	51	46	57	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	57	48	42	56	45	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	55	55	55	55	55	51	55	54	48	55	51	45	55	48	43	55	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	55	47	42	55	44	40	53	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	57	57	55	57	57	51	57	54	48	57	51	45	57	48	43	57	46	41	54	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	57	47	42	55	44	40	52	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	57	57	57	57	57	57	57	57	55	57	57	52	57	54	49	57	51	46	57	48	44	57	46	42	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	57	53	48	57	50	45	57	47	42	57	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	57	57	57	57	57	57	57	57	55	57	57	51	57	54	49	57	51	46	57	48	44	57	46	41	56	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27
				Exposed	57	53	48	57	49	45	57	47	42	57	44	40	55	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	56	57	57	53	56	56	51	55	55	48	55	53	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	58	58	53	58	57	49	58	53	46	54	50	44	51	48	42	49	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	56	58	58	53	57	57	51	56	55	48	55	52	46	52	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	58	58	52	58	56	49	58	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	56	59	59	53	58	58	50	57	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30						
				Exposed	59	59	52	59	56	49	57	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	61	61	61	61	61	61	61	61	59	61	61	56	60	60	53	59	57	50	58	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	61	60	52	61	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	59	62	62	56	61	60	53	60	57	50	59	55	48	56	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	62	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	63	63	63	63	63	62	63	63	59	63	63	56	62	60	53	61	57	50	59	54	48	56	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	63	59	52	60	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	58	50	58	56	46	58	51	42	58	48	39	54	45	37	50	42	35
				Exposed	58	58	58	58	58	58	58	58	55	58	58	52	58	58	49	58	57	47	58	54	44	58	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	56	50	56	56	46	56	51	42	56	48	39	54	44	37	50	42	35
				Exposed	56	56	56	56	56	56	56	56	55	56	56	52	56	56	49	56	56	47	56	54	44	56	52	42	56	47	39	52	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	46	52	48	42	52	44	39	51	41	37	48	38	35	45	36	33			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	49	52	52	46	52	49	43	52	46	41	52	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	47	42	49	44	39	49	41	37	48	38	35	45	36	33			
				Exposed	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	49	46	41	49	44	40	49	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27			
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	46	52	48	42	52	44	39	51	41	37	48	38	35	45	36	33
				Exposed	52	52	52	52	52	52	52	52	51	52	52	48	52	51	46	52	49	43	52	49	43	52	46	41	52	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	48	52	49	44	52	45	41	52	42	38	51	40	36			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	47	52	49	44	52	45	40	52	41	37	51	38	35	47	36	32	44	34	30	42	32	28
	B	6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	48	53	49	44	53	45	41	53	42	38	52	40	36			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	51	47	53	49	44	53	45	40	53	41	37	51	38	35	47	36	32	44	34	30	42	32	28			
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	52	51	51	48	50	50	45	49	48	42	48	45	39			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	51	45	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31			
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	52	52	52	48	51	51	45	50	48	42	48	45	39			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	54	49	54	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31			
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	52	53	53	48	52	51	45	51	48	42	48	45	39			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	55	51	55	55	49	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31			
		10:12	39.8	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	52	56	56	48	53	52	46	52	48	42	48	45	39			
				Exposed	57	57	57	57	57	57	57	57	56	57	57	53	57	57	51	57	57	53	57	57	51	57	55	48	55	51	44	50	47	41	46	43	38	43	40	36	40	38	33			
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	57	57	52	56	55	48	55	51	42	48	45	39			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	56	58	58	53	58	58	51	58	55	48	55	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31			
		12:12	45	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	58	58	52	57	55	48	55	51	45	51	48	42	48	45	39			
				Exposed	59	59	59	59	59	59	59	59	59	59	59	56	59	59	53	59	58	51	59	55	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31			
		Flat	0	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	52	58	58	49	58	57	46	58	54	44	58	49	41	55	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	58	58	51	58	58	48	58	55	45	58	52	42	58	49	40	56	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	54	56	56	51	56	56	49	56	56	46	56	54	44	56	49	40	54	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	56	56	51	56	56	48	56	55	45	56	52	42	56	49	40	56	46	38	53	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	52	52	52	52	52	52	52	52	51	52	52	48	52	51	45	52	48	43	52	46	41	52	42	38	49	39	35	45	36	33	42	34	31	40	32	29	38	30	28			
				Exposed	52	52	47	52	50	44	52	47	42	52	44	40	52	42	38	50	40	36	48	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	48	43	49	46	41	49	42	38	49	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	49	49	47	49	49	44	49	47	41	49	44	39	49	41	38	49	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	51	52	52	48	52	51	45	52	48	43	52	46	41	52	42	38	48	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	52	52	47	52	49	44	52	46	41	52	44	39	52	41	38	50	40	36	47	38	35	45	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	49	52	51	46	52	47	42	52	43	39	51	40	36	49	37	34	46	35	31	43	33	29			
				Exposed	52	52	52	52	52	50	52	52	47	52	49	44	52	46	42	52	44	40	52	42	38	52	40	36	49	37	33	45	35	31	42	32	28	39	30	27	37	29	25	35	27	0
20	C	6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	51	46	53	46	42	53	43	39	52	40	36	49	37	33	46	35	31	43	33	29			
				Exposed	53	53	53	53	53	50	53	52	47	53	49	44	53	46	42	53	44	40	53	42	38	53	40	36	49	37	33	45	34	31	42	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	52	52	52	51	51	51	46	50	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	53	53	53	53	53	53	53	53	52	53	53	49	53	53	46	53	50	44	51	48	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	53	53	53	51	52	52	46	50	49	43	48	45	40	45	42	37	42	39	35	39	37	33
				Exposed	54	54	54	54	54	54	54	54	51	54	54	49	54	53	46	54	50	44	51	47	42	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	54	54	51	53	53	46	51	49	42	48	45	39	45	42	37	42	39	35	39	37	33			
				Exposed	55	55	55	55	55	55	55	55	51	55	55	48	55	52	46	54	50	44	51	47	41	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	56	56	53	55	55	51	54	53	46	52	48	42	48	45	39	45	42	37	41	39	35	39	37	33
				Exposed	57	57	57	57	57	54	57	57	51	57	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	57	57	53	57	57	50	55	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	58	58	58	58	58	54	58	58	51	58	55	48	57	52	46	54	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	59	56	59	59	53	58	57	50	56	53	46	52	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	59	59	58	59	59	54	59	58	51	59	55	48	56	52	46	53	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		Flat	0	Non-Exposed	58	58	58	58	58	55	58	58	52	58	58	49	58	57	46	58	54	44	58	51	42	58	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	58	56	46	58	52	43	58	49	41	56	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	56	56	56	56	56	55	56	56	52	56	56	49	56	56	46	56	54	44	56	51	42	56	49	40	53	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	56	56	46	56	52	43	56	49	40	56	47	39	53	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	52	52	52	52	52	52	52	52	48	52	51	46	52	48	43	52	46	41	52	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	52	48	42	52	45	40	52	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	49	49	49	49	49	49	49	49	48	49	49	45	49	48	43	49	46	41	49	43	39	49	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	49	47	42	49	44	40	49	42	38	49	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	51	52	52	48	52	51	45	52	48	43	52	46	41	52	43	39	52	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	52	47	42	52	44	40	52	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	49	52	51	46	52	48	44	52	46	42	52	42	38	51	39	35	48	36	33	45	34	30	42	32	28	40	31	27			
				Exposed	52	52	48	52	50	45	52	47	42	52	44	40	52	42	38	52	40	36	50	38	34	48	37	33	44	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
	D	6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	51	53	53	49	53	51	46	53	48	44	53	46	41	53	42	38	52	39	35	48	36	33	45	34	30	42	32	28	40	31	27			
				Exposed	53	53	48	53	49	45	53	47	42	53	44	40	53	42	38	53	40	36	50	38	34	48	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	52	52	52	52	52	51	51	51	48	51	51	46	49	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	53	53	53	53	53	49	53	53	46	53	50	44	51	48	42	49	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	53	53	53	53	53	51	52	52	48	51	51	46	50	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	54	54	52	54	54	49	54	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	54	54	50	53	53	48	53	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	55	55	52	55	55	49	55	53	46	54	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	57	57	57	57	57	56	57	57	57	57	57	56	56	56	53	55	55	50	54	54	48	54	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	57	57	52	57	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	56	57	57	53	56	56	50	56	55	48	55	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	58	58	52	58	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	56	59	59	53	58	57	50	57	54	48	56	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	59	59	52	59	56	49	57	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	Flat	0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	57	50	57	56	46	57	51	42	57	48	39	54	45	37	50	42	35
				Exposed	57	57	57	57	57	57	57	57	55	57	57	52	57	57	49	57	57	47	57	54	44	57	52	42	57	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	50	55	55	50	55	55	46	55	51	42	55	48	39	54	44	37	50	42	35
				Exposed	55	55	55	55	55	55	55	55	55	55	55	52	55	55	49	55	55	47	55	54	44	55	52	42	55	47	39	52	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	46	51	51	46	51	48	42	51	44	39	51	41	37	48	38	35	45	36	33
				Exposed	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	49	43	51	46	41	51	44	40	51	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	47	42	48	44	39	48	41	37	48	38	35	45	36	33			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	46	41	48	44	40	48	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27			
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	44	39	47	41	37	47	38	35	45	36	33			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	46	41	48	44	40	48	40	37	47	37	34	43	35	32	41	33	30	38	31	28	36	29	27			
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	45	41	47	42	38	47	40	36			
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	45	40	47	41	37	47	38	35	47	36	32	44	34	30	42	32	28
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	45	41	48	42	38	48	40	36			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	48	45	40	48	41	37	48	38	35	47	36	32	44	34	30	42	32	28
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	47	47	45	46	46	42	46	45	39
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	45	49	47	41	46	43	38	43	40	36	40	38	33	38	36	31			
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48	48	48	45	47	47	42	46	45	39
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	50	50	48	49	49	45	48	48	42	47	45	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	49	52	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	52	51	51	48	50	50	45	49	48	42	48	45	39
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	51	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	52	53	53	48	52	51	45	51	48	42	48	45	39
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	51	55	55	48	55	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	52	54	54	48	53	51	45	51	48	42	48	45	39
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	56	51	56	55	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	57	49	57	57	46	57	54	44	57	49	41	55	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	57	57	51	57	57	48	57	55	45	57	52	42	57	49	40	56	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	55	55	51	55	55	49	55	55	46	55	54	44	55	49	40	54	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	55	55	51	55	55	48	55	55	45	55	52	42	55	49	40	55	46	38	53	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45	51	48	43	51	46	41	51	42	38	49	39	35	45	36	33	42	34	31	40	32	29	38	30	28
				Exposed	51	51	47	51	50	44	51	47	42	51	44	40	51	42	38	50	40	36	48	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	46	41	48	42	38	48	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	48	48	47	48	48	44	48	47	41	48	44	39	48	41	38	48	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	41	47	42	38	47	39	35	45	36	33	42	34	31	40	32	29	37	30	28
				Exposed	47	47	47	47	47	44	47	46	41	47	44	39	47	41	38	47	40	36	47	38	35	45	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	43	39	47	40	36	47	37	34	46	35	31	43	33	29
				Exposed	47	47	47	47	47	47	47	47	47	47	47	44	47	46	42	47	44	40	47	42	38	47	40	36	47	37	33	45	35	31	42	32	28	39	30	27	37	29	25	35	27	0
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	42	48	43	39	48	40	36	48	37	33	46	35	31	43	33	29
				Exposed	48	48	48	48	48	48	48	48	47	48	48	44	48	46	42	48	44	40	48	42	38	48	40	36	48	37	33	45	34	31	42	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	48	46	47	47	43	46	45	40	45	42	37	42	39	35	39	37	33
				Exposed	49	49	49	49	49	49	49	49	46	49	49	44	49	48	42	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	49	49	48	48	48	46	47	47	42	46	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	50	50	50	50	50	49	50	50	46	50	50	44	50	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	51	50	50	50	48	49	49	46	48	48	42	47	45	39	45	42	37	42	39	35	39	37	33
				Exposed	52	52	52	52	52	52	52	52	51	52	52	48	52	52	46	52	50	44	51	47	41	49	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	52	51	51	51	46	50	48	42	48	45	39	45	42	37	41	39	35	39	37	33
				Exposed	53	53	53	53	53	53	53	53	51	53	53	48	53	52	46	53	50	43	51	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	54	54	53	53	53	50	53	53	48	52	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	55	55	52	55	55	49	55	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	55	55	53	55	55	50	54	54	48	53	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	56	56	52	56	56	49	56	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
	D	Flat	0	Non-Exposed	57	57	57	57	57	55	57	57	52	57	57	49	57	57	46	57	57	44	57	51	42	57	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	57	56	46	57	52	43	57	49	41	56	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	55	55	55	55	55	55	55	55	52	55	55	49	55	55	46	55	54	44	55	51	42	55	49	40	53	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	55	55	46	55	52	43	55	49	40	55	47	39	53	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	51	51	51	51	51	51	51	51	48	51	51	46	51	48	43	51	46	41	51	43	39	51	41	38	48	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	51	48	42	51	45	40	51	42	38	50	40	36	47	38	35	45	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	46	41	48	43	39	48	41	38	48	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	48	47	42	48	44	40	48	42	38	48	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	41	47	43	39	47	41	38	47	38	35	44	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	47	47	42	47	44	40	47	42	38	47	40	36	47	38	35	45	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	47	46	42	47	42	38	47	39	35	47	36	33	45	34	30	42	32	28	40	31	27
				Exposed	47	47	47	47	47	45	47	47	42	47	44	40	47	42	38	47	40	36	47	38	34	47	37	33	44	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	46	41	48	42	38	48	39	35	47	36	33	45	34	30	42	32	28	40	31	27
				Exposed	48	48	48	48	48	45	48	47	42	48	44	40	48	42	38	48	40	36	48	38	34	48	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	47	47	46	46	46	42	45	44	39	43	41	36	40	38	34	38	36	32	36	34	30			
				Exposed	49	49	49	49	49	49	49	49	46	49	49	44	49	48	42	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	49	49	48	48	48	46	47	47	42	46	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	50	50	50	50	50	49	50	50	46	50	50	44	50	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	50	50	50	48	49	49	46	48	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	52	52	52	52	52	49	52	52	46	52	50	44	51	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	52	52	50	51	51	48	51	51	46	49	48	42	47	44	39	43	41	36	40	38	34	38	36	32	36	34	30			
				Exposed	53	53	52	53	53	49	53	53	46	53	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	54	53	53	53	53	50	53	53	48	52	52	46	51	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	55	55	52	55	55	49	55	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	55	55	53	55	55	50	54	54	48	53	52	45	51	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	56	56	52	56	56	49	56	53	46	54	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	54	54	46	54	51	42	54	48	39	54	45	37	50	42	35
				Exposed	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	54	47	54	54	44	54	52	42	54	47	39	52	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	46	51	51	42	51	48	39	51	44	37	50	42	35
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	47	51	51	44	51	51	42	51	47	39	51	43	36	48	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	44	39	47	41	37	47	38	35	45	36	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	46	41	47	44	40	47	40	37	47	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	41	37	44	38	35	44	36	33
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	40	44	40	37	44	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	37	43	38	35	43	36	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	40	37	43	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	40	36			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	41	37	43	38	35	43	36	32	43	34	30	42	32	28
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	40	44	42	38	44	40	36			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	40	37	44	37	34	43	35	32	41	33	30	38	31	28	36	29	27
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	42	43	43	39			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	43	38	45	38	34	43	38	33	43	38	33	40	38	33	40	36	31
		8:12	33.7	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	45	45	45	45	45	42	44	44	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	41	46	43	38	43	40	36	40	38	33	38	36	31			
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	47	45	46	46	42	45	45	39
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	48	48	48	45	47	47	42	46	45	39
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	44	50	47	41	46	43	38	43	40	36	40	38	33	38	36	31
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	50	50	48	49	49	45	48	48	42	47	45	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	48	52	51	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	52	52	52	48	51	51	45	50	48	42	48	45	39
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	51	54	54	48	54	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	54	46	54	54	44	54	49	41	54	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	54	54	51	54	54	48	54	54	45	54	52	42	54	49	40	54	46	39	53	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	51	44	51	49	40	51	45	38	50	42	35	47	39	33	44	37	31	41	35	29
				Exposed	51	51	51	51	51	48	51	51	45	51	51	42	51	49	40	51	46	38	51	44	37	51	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	41	47	42	38	47	39	35	45	36	33	42	34	31	40	32	29	38	30	28
				Exposed	47	47	47	47	47	44	47	47	42	47	44	40	47	42	38	47	40	36	47	38	35	45	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	39	35	44	36	33	42	34	31	40	32	29	37	30	28			
				Exposed	44	44	44	44	44	44	44	44	41	44	44	39	44	41	38	44	40	36	44	38	35	44	37	33	42	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	39	35	43	36	33	42	34	31	40	32	29	37	30	28
				Exposed	43	43	43	43	43	43	43	43	41	43	43	39	43	41	38	43	40	36	43	38	35	43	36	33	42	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	40	36	43	37	34	43	35	31	43	33	29
				Exposed	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	42	38	43	40	36	43	37	33	43	35	31	42	32	28	39	30	27	37	29	25	35	27	0			
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	40	36	44	37	33	44	35	31	43	33	29			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	42	38	44	40	36	44	37	33	44	34	31	42	32	28	39	30	27	37	29	0	35	27	0			
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	43	43	43	40	42	42	37	41	39	35	39	37	33
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	45	40	44	41	37	41	39	34	38	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	45	45	43	44	44	40	43	42	37	42	39	35	39	37	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	42	47	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	46	46	46	42	45	45	39	44	42	37	42	39	35	39	37	33
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	47	41	48	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	48	48	46	47	47	42	46	45	39	45	42	37	41	39	35	39	37	33
				Exposed	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	43	50	47	41	48	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	50	50	50	46	49	48	42	47	45	39	44	42	37	41	39	35	39	37	33
				Exposed	52	52	52	52	52	52	52	52	51	52	52	48	52	52	46	52	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	53	53	53	53	52	52	50	51	51	46	50	48	42	48	45	39	44	42	37	41	39	35	39	37	33
				Exposed	54	54	54	54	54	54	54	54	51	54	54	48	54	52	46	52	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	52	54	54	49	54	54	46	54	54	44	54	51	42	54	49	40	54	44	37	49	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	54	54	46	54	52	43	54	49	41	54	47	39	53	44	37	50	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	51	44	51	51	42	51	49	40	51	44	37	49	41	35	45	38	32	42	36	30	40	34	29	37	32	27
				Exposed	51	51	46	51	51	43	51	49	40	51	47	39	51	44	37	50	42	35	48	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	46	41	47	43	39	47	41	38	47	38	35	44	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	47	47	42	47	45	40	47	42	38	47	40	36	47	38	35	46	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	43	39	44	41	38	44	38	35	44	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	44	44	42	44	44	40	44	42	38	44	40	36	44	38	35	44	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	41	38	43	38	35	43	36	32	41	33	30	39	31	28	36	29	27	34	28	0
				Exposed	43	43	42	43	43	40	43	42	38	43	40	36	43	38	35	43	36	33	43	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	43	42	38	43	39	35	43	36	33	43	34	30	42	32	28	40	31	27
				Exposed	43	43	43	43	43	42	43	43	42	43	43	40	43	42	38	43	40	36	43	38	34	43	37	33	43	34	30	41	32	28	39	30	26	36	28	0	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	39	35	44	36	33	43	34	30	42	32	28	40	31	27			
				Exposed	44	44	44	44	44	44	44	44	42	44	44	40	44	42	38	44	40	36	44	38	34	44	37	33	44	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	42	43	43	39	42	41	36	40	38	34	38	36	32	36	34	30
				Exposed	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	45	40	45	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	46	46	46	45	45	42	44	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	47	47	47	47	47	47	47	47	46	47	47	44	47	47	41	47	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	46	46	46	42	45	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	48	48	48	48	48	48	48	48	46	48	48	44	48	47	41	48	45	40	46	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	49	48	48	48	46	47	47	42	46	44	39	43	41	36	40	38	34	38	36	32	36	34	30
				Exposed	50	50	50	50	50	49	50	50	46	50	50	44	50	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	51	51	51	51	51	50	50	50	48	49	49	46	48	48	42	47	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	52	52	52	52	52	49	52	52	46	52	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	53	53	53	53	53	52	52	50	52	52	48	51	51	45	50	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	54	54	52	54	54	49	54	53	46	53	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	Flat	0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	46	51	51	42	51	48	39	51	45	37	50	42	35
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	47	51	51	44	51	51	42	51	47	39	51	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	42	47	47	39	47	44	37	47	42	35
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	42	47	47	39	47	43	36	47	40	34	45	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	37	43	38	35	43	36	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	40	43	40	37	43	38	34	43	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	38	35	41	36	33	41	36	33
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	40	37	41	37	34	41	35	32	41	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	38	35	40	36	33	40	36	33
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	38	35	40	36	32	40	34	30	40	32	28	38	31	28
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	40	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	38	35	40	36	32	40	34	30	40	32	28
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	36	41	38	35	41	40	36
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	38	35	41	36	32	41	34	30	41	32	28	39	31	28
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	36	40	38	33	38	36	31
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	39	42	42	39
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	42	43	43	39	43	43	39
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	45	45	42	44	44	39	44	44	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	46	46	46	46	46	46	46	46	46
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	47	47	45	46	46	42	45	45	39
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	44	49	46	41	46	43	38	43	40	35	40	38	33	38	36	31
		12:12	45	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	49	49	48	49	49	45	48	48	42
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	50	44	50	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	51	44	51	49	41	51	45	38	50	42	35	47	39	33	44	37	31	41	35	30
				Exposed	51	51	51	51	51	48	51	51	45	51	51	42	51	49	40	51	46	39	51	44	37	51	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	47	47	40	47	45	38	47	42	35	47	39	33	44	37	31	41	35	29
				Exposed	47	47	47	47	47	47	47	47	45	47	47	42	47	47	40	47	46	38	47	44	37	47	42	35	46	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	39	35	43	36	33	42	34	31	40	32	29	38	30	28
				Exposed	43	43	43	43	43	43	43	43	42	43	43	40	43	42	38	43	40	36	43	38	35	43	37	33	42	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	39	35	41	36	33	41	34	31	40	32	29	37	30	28
				Exposed	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	41	40	36	41	38	35	41	37	33	41	34	31	39	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	36	33	40	34	31	40	32	29	37	30	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	39	40	40	38	40	40	36	40	38	35	40	36	33	40	34	31	39	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	37	34	40	35	31	40	33	29
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	37	33	40	35	31	40	32	28	39	30	27	37	29	25	35	27	0
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	40	36	41	37	33	41	35	31	41	33	29
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	40	36	41	37	33	41	34	31	41	32	28	39	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	40	40	40	37	40	39	35	39	37	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	41	36	40	38	33	37	35	31	35	33	29
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	40	41	41	37	40	39	35	39	37	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	43	38	42	40	36	40	38	33	38	36	32
		9:12	36.9	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	42	43	43	39	42	42	37	41	39	35	39	37	33
				Exposed	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	45	40	44	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26						
		10:12	39.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	45	45	42	44	44	39	43	42	37	41	39	35	39	37	33						
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	41	47	45	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	47	47	46	47	47	42	46	45	39	44	42	37	41	39	35	39	37	33			
				Exposed	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	49	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26			
		12:12	45	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	49	49	46	48	48	42	47	45	39	44	42	37	41	39	35	39	37	33			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	48	51	51	46	51	50	43	51	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26			
	D	Flat	0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
				Exposed	47	47	46	47	47	43	47	47	40	47	47	39	47	44	37	47	42	35	47	40	34	46	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	41	38	43	38	35	43	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	43	43	42	43	43	40	43	42	38	43	40	36	43	38	35	43	36	33	43	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	41	38	35	41	36	32	41	33	30	39	31	28	36	30	27	34	28	0
				Exposed	41	41	41	41	41	40	41	41	38	41	40	36	41	38	35	41	36	33	41	35	32	41	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	38	40	38	35	40	36	32	40	33	30	39	31	28	36	29	27	34	28	0
				Exposed	40	40	40	40	40	40	40	40	38	40	40	36	40	38	35	40	36	33	40	35	32	40	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	36	33	40	34	30	40	32	28	40	31	27
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	38	34	40	37	33	40	34	30	40	32	28	39	30	26	36	28	0	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	39	35	41	36	33	41	34	30	41	32	28	40	31	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	36	41	38	34	41	37	33	41	34	30	41	32	28	38	30	26	36	28	0	34	0	0	32	0	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	36	39	38	34	38	36	32	36	34	30			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38	42	42	38	42	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	39	41	41	36	40	38	34	38	36	32	36	34	30			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	40	43	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		9:12	36.9	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	42	43	43	39	42	41	36	40	38	34	38	36	32	36	34	30			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	45	40	45	43	38	44	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		10:12	39.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	45	45	42	44	44	39	43	41	36	40	38	34	38	36	32	36	34	30			
				Exposed	47	47	47	47	47	47	47	47	46	47	47	44	47	47	41	47	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	48	47	47	46	46	42	45	44	39	43	41	36	40	38	34	38	36	31	36	34	30			
				Exposed	49	49	49	49	49	49	49	49	46	49	49	44	49	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		12:12	45	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	49	49	48	49	49	45	48	47	42	47	44	38	43	41	36	40	38	34	38	36	31	36	34	30			
				Exposed	51	51	51	51	51	49	51	51	46	51	50	44	51	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	42	48	48	39	48	45	37	48	42	35
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	48	48	42	48	47	39	48	43	36	48	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	44	44	44	42	44	44	39	44	44	37	44	42	35
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	44	43	36	44	40	34	44	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	38	35	41	36	33			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	40	37	41	38	34	41	35	32	41	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	36	33			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	37	38	37	34	38	35	32	38	33	30	38	31	28	36	29	27
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	36	33			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	37	38	37	34	38	35	32	38	33	30	38	31	28	36	29	27
		5:12	22.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36						
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	36	32	38	34	30	38	32	28
		6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36						
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	38	35	39	36	32	39	34	30	39	32	28
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39						
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36	40	38	33	38	36	31			
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40						
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	40	36	40	38	33	38	36	31
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42						
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	40	36	40	38	33	38	36	31
		10:12	39.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	40	44	41	37	41	38	34	38	36	31
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	42	44	44	39	43	42	37	41	39	35	39	37	33
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	41	46	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	48	48	47	47	46	46	46	42	45	45	39	44	42	37	41	39	35	39	37	33
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	48	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	C	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	48	41	48	45	38	48	42	35	47	39	33	44	37	31	41	35	30
				Exposed	48	48	48	48	48	48	48	48	45	48	48	42	48	48	40	48	46	39	48	44	37	48	42	35	46	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	44	38	44	42	35	44	39	33	44	37	31	41	35	29
				Exposed	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	44	38	44	44	37	44	42	35	44	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	39	35	41	36	33	41	34	31	40	32	29	38	30	28
				Exposed	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	40	36	41	38	35	41	37	33	41	34	31	39	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	33	38	34	31	38	32	29	37	30	28
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	37	33	38	34	31	38	32	29	36	29	27	34	28	0	32	0	0	30	0	0						
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	33	38	34	31	38	32	29	37	30	28
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	36	33	38	35	32	38	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	30	0	0
		5:12	22.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	33	38	34	30	38	32	28	38	31	27
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	37	33	38	34	30	38	32	28	38	30	26	36	28	0	34	26	0	32	0	0						
		6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	36	33	39	34	30	39	32	28	39	31	27
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	38	34	39	37	33	39	34	30	39	32	28	38	30	26	36	28	0	34	0	0	32	0	0			
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	34	38	36	32	36	34	30			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	38	33	38	36	31	38	36	31
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	40	40	37	39	39	35	38	37	33			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	39	41	41	37	40	39	35	39	37	33			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	40	43	41	37	41	39	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	43	43	39	42	42	37	41	39	35	39	37	33
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	40	44	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26			
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	42	44	44	39	43	42	37	41	39	35	39	37	33			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	41	46	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	48	48	47	47	46	46	46	42	45	45	39	44	42	37	41	39	35	39	37	33
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	48	47	41	48	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	38	48	48	35	48	48	32	48	36	27
				Exposed	48	48	46	48	48	43	48	48	41	48	47	39	48	44	37	48	42	35	48	40	34	46	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	44	44	40	44	44	37	44	41	35	44	38	32	42	36	30	40	34	29	37	32	27
				Exposed	44	44	44	44	44	43	44	44	40	44	44	39	44	44	37	44	42	35	44	40	34	44	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	41	38	35	41	36	32	41	33	30	39	31	29	36	30	27	34	28	0
				Exposed	41	41	41	41	41	40	41	41	38	41	40	36	41	38	35	41	36	33	41	35	32	41	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	32	38	33	30	38	31	28	36	30	27	34	28	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	36	33	38	35	32	38	33	30	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	32	38	33	30	38	31	28	36	29	27	34	28	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	36	33	38	35	32	38	33	30	38	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	33	38	34	30	38	32	28	38	31	27
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	37	33	38	34	30	38	32	28	38	30	26	36	28	0	34	26	0	32	0	0						
		6:12	26.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	39	39	35	39	36	33	39	34	30	39	32	28	39	31	27
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	38	34	39	37	33	39	34	30	39	32	28	38	30	26	36	28	0	34	0	0	32	0	0			
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	39	39	36	38	38	34	37	36	32	36	34	30			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	38	33	38	36	31	38	36	31
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	39	39	39	36	39	38	34	38	36	32	36	34	30			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	39	40	40	36	40	38	34	38	36	32	36	34	30			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		10:12	39.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	42	42	39	41	41	36	40	38	34	38	36	32	36	34	30			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	39	44	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	42	44	44	39	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	48	48	47	47	47	47	47	45	46	46	42	45	44	38	43	41	36	40	38	34	38	36	31	36	34	30
				Exposed	49	49	49	49	49	49	49	49	46	49	49	44	48	47	41	48	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	45	37	45	42	35
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	45	39	45	43	36	45	40	34	45	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	42	35
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	42	36	42	40	34	42	38	32	42	36	30	39	34	28
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	35	32
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	35	32	38	33	30	38	31	28	36	29	27
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	32	36	33	30	36	31	28	36	29	27
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	32	36	33	30	36	31	28	36	29	27
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	34	30	36	32	28
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	32	37	34	30	37	32	28	37	32	28
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	33	38	36	32	38	33	30	38	36	31
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
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		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	38	33	38	36	31	38	36	31
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	38	42	40	34	42	38	32	42	38	32
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	40	44	44	40	44	43	42
		12:12	45	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	44	44	42
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	43	38	43	40	35	40	38	33	38	36	31
	C	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	41	45	45	38	45	42	35	45	39	33	44	37	31	41	35	30
				Exposed	45	45	45	45	45	45	45	45	42	45	45	40	45	45	39	45	44	37	45	42	35	45	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0			
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	35	42	39	33	42	37	31	41	35	29			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	37	42	42	35	42	39	33	42	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	33	38	34	31	38	32	29	38	30	28			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	37	33	38	34	31	38	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	31	36	32	29	36	30	28
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	31	36	32	29	36	29	27	34	28	0	32	0	0	30	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	31	36	32	29	36	30	28
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	31	36	31	29	36	29	27	34	28	0	32	0	0	30	0	0
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	31	36	33	29						
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	35	31	36	32	28	36	30	27	36	29	25	35	27	0			
45		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	35	31	37	33	29			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	34	31	37	32	28	37	30	27	37	29	0	35	27	0
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	36	32	36	34	30	34	32	28
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		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	38	38	35	37	37	33				
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		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	37	39	39	35	38	37	33			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	39	34	38	36	32	36	34	29	34	32	28	32	30	26			
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	37	40	39	35	39	37	33	
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	40	42	41	37	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	42	42	42	39	42	42	37	41	39	35	39	37	33
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	40	44	44	41	44	43	38	43	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	42	44	44	39	43	42	37	41	39	35	39	37	33	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	41	46	46	43	46	46	41	46	45	40	44	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	45	40	45	44	37	45	41	35	45	38	32	42	36	30	40	34	29	38	32	27
				Exposed	45	45	45	45	45	43	45	45	41	45	45	39	45	44	37	45	42	35	45	40	34	45	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	41	35	42	38	32	42	36	30	40	34	29	37	32	27
				Exposed	42	42	42	42	42	42	42	42	40	42	42	39	42	42	37	42	42	35	42	40	34	42	38	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	36	32	38	33	30	38	31	29	36	30	27	34	28	0
				Exposed	38	38	38	38	38	36	38	38	35	38	36	33	38	35	32	38	34	31	38	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0						
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	33	30	36	31	28	36	30	27	34	28	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	33	36	35	32	36	33	30	36	31	28	36	29	26	33	27	0	31	0	0	30	0	0	28	0	0						
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	33	30	36	31	28	36	29	27	34	28	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	33	36	35	32	36	33	30	36	31	28	36	29	26	33	27	0	31	0	0	29	0	0	28	0	0						
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	30	36	32	28	36	31	27			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	34	36	36	33	36	34	30	36	32	28	36	30	26	36	28	0	34	26	0	32	0	0									
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	33	37	34	30	37	32	28	37	31	27			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	34	37	37	33	37	34	30	37	32	28	37	30	26	36	28	0	34	0	0	32	0	0									
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	36	36	34	36	32	35	34	30				
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36	37	37	34	37	36	32	36	34	30		
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	36	39	38	33	39	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0		
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	36	38	38	34	38	36	32	36	34	30	
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	33	38	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	40	40	36	39	38	34	38	36	32	36	34	30	
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	38	42	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	42	42	39	41	41	36	40	38	34	38	36	31	36	34	30	
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	39	44	44	39	44	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	44	44	42	43	43	38	42	41	36	40	38	34	38	36	31	36	34	30
				Exposed	46	46	46	46	46	46	46	46	46	46	46	44	46	46	41	46	45	39	46	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	43	37	43	42	35
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	43	36	43	40	34	43	38	32	42	36	30	40	34	29
		1:12	4.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	35
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	40	34	40	38	32	40	36	30	39	34	28
		2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	32	37	33	30	37	31	28	36	29	27
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	27	34	29	27
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	27	34	29	27
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	32	28			
	B	6:12	26.6	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	34	30	35	32	28			
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	35	33
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	35	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	37	38	38	35	38	37	33			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	37	40	39	35	39	37	33	
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	40	42	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	42	42	39	42	42	37	41	39	35	39	37	33
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27
		Flat	0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	42	35	43	39	33	43	37	31	41	35	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	39	43	43	37	43	42	35	43	39	33	43	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	35	40	39	33	40	37	31	40	35	29
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	37	40	40	35	40	39	33	40	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33	37	34	31	37	32	29	37	30	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	37	33	37	34	31	37	32	29	36	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	32	29	34	30	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	32	29	34	29	27	34	28	0	32	0	0	30	0	0			
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	32	29	34	30	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	32	29	34	29	27	34	28	0	32	0	0	30	0	0			
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	32	28	34	30	27	34	29	25	34	27	0						
50	C	6:12	26.6	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	29
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	34	31	35	32	28	35	30	27	35	29	0	35	27	0			
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	33				
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	34	30	34	32	28	32	30	26
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	35	36	36	33				
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	32	36	34	29	34	32	28	32	30	26
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	34	37	36				
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	37	38	38	35	38	37				
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	38	40	40	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	36	39	38	34	38	36	31	36	34	30
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	38	42	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	42	42	42	39	42	42	37	41	39	35	39	37	33			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	39	44	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		Flat	0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	37	43	41	35	43	38	32	42	36	30	40	34	29	38	32	27
				Exposed	43	43	43	43	43	43	43	43	41	43	43	39	43	43	37	43	42	35	43	40	34	43	39	32	42	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	35	40	38	32	40	36	30	40	34	29	37	32	27
				Exposed	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	35	40	40	34	40	38	32	40	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	32	37	33	30	37	31	29	36	30	27	34	28	0
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	37	33	37	34	31	37	32	29	36	30	27	34	28	0	32	0	0	30	0	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	30	27	34	28	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	33	34	34	32	34	34	33	34	34	31	34	33	30	34	31	28	34	29	26	33	27	0	31	0	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	27	34	28	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	33	34	34	32	34	33	30	34	31	28	34	29	26	33	27	0	31	0	0	29	0	0	28	0	0						
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	32	28	34	31	27					
				Exposed	34	34	34	34	34	34	34	34	34	34	34	33	34	34	30	34	32	28	34	30	26	34	28	0	34	26	0	32	0	0	32	0	0									
	D	6:12	26.6	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	28	35	31	27					
				Exposed	35	35	35	35	35	35	35	35	35	35	35	34	35	35	33	35	34	30	35	32	28	35	30	26	35	28	0	34	0	0	32	0	0									
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	35	35	32	34	34	30			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	35	31	35	33	29	33	31	27	31	29	0	29	28	0		
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	34	35	35	32	35	34	30			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	33	37	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0		
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	37	37	34	36	36	32	36	34	30
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	36	38	38	34	37	36	32	36	34	30		
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	38	40	40	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	36	39	38	34	38	36	31	36	34	30
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	38	42	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	42	42	42	38	41	41	36	40	38	34	38	36	31	36	34	30
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	39	44	43	38	43	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	35
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	40	34	41	38	32	41	36	30	40	34	29
		1:12	4.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	38	32	38	36	30	38	34	28
		2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	33	30	35	31	28	35	29	27			
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	33	32	33	31	28	33	29	27			
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	32	30	32	31	28	32	29	27			
		5:12	22.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	32	28						
	B	6:12	26.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	32	28						
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31									
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	33	30						
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	36	31			
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	38	32	38	36	31			
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36	40	38	34	38	36	31	36	34	29	34	32	28
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	37	40	39	35	39	37	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	40	42	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		Flat	0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	35	41	39	33	41	37	31
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	39	41	41	37	41	41	35	41	39	33	41	36	31	40	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	33	38	37	31	38	35	29
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	38	33	38	36	31	38	34	29	37	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	34	31	35	32	29	35	30	28			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	34	31	35	32	29	35	30	27	34	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	30	28			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	29	27	33	28	0	32	0	0	30	0	0			
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	28			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	31	29	32	29	27	32	28	0	32	0	0	30	0	0			
		5:12	22.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	28	33	30	27	33	29	25	33	27	0
55	C	6:12	26.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	28	33	30	27	33	29	0	33	27	0
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	32	28	32	30	26			
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	34	29	34	32	28	32	30	26			
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	35	36	36	36	33						
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	32	36	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	35	37	33		
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	37	38	38	35	38	37	33			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36	40	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	39	40	40	37	40	39	35	39	37	33
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	40	42	41	36	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		Flat	0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	37	41	41	35	41	38	32	41	36	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	35	41	40	34	41	39	32	41	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0
		1:12	4.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	38	32	38	36	30
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	38	34	38	38	32	38	36	30	38	33	28	36	31	26	34	29	0	32	28	0	30	0
		2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	30	35	31	29	35	30	27	34	28	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	32	35	34	31	35	31	28	35	29	26	33	27	0	31	0	0	30	0	0	28	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28	33	30	27	33	28	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28	33	29	26	33	27	0	31	0	0	30	0	0	28	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	27	32	28	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0	31	0	0	29	0	0	28	0
		5:12	22.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	32	28	33	31	27
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	32	28	33	30	26	33	28	0	33	26	0	32	0	0			
	D	6:12	26.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	28	33	31	27
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	32	28	33	30	26	33	28	0	33	0	0	32	0	0			
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	33	33	30			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	33	31	27	31	29	0	29	28	0		
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	32	34	34	30			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	34	35	35	32	35	34	30			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	37	37	34	36	36	32	36	34	30
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	33	37	35	31	35	33	29	33	31	27	31	29	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	36	38	38	34	37	36	31	36	34	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	38	40	40	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	38	40	40	36	39	38	34	38	36	31	36	34	30
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	38	42	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	34	39	38	32	39	36	30	39	34	29
		1:12	4.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	36	30	36	34	28
		2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28	33	29	27	33	29	27
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	31	28	31	29	27	31	29	27
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	31	28	31	29	27	31	29	27
		5:12	22.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	31	28	31	31	28
	B	6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	32	28	32	32	28
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	38	38	35	37	37	33	33
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	39	39	39	37	39	39	35	38	37	33
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	36	41	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		Flat	0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	39	33	39	37	31	39	35	30
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	39	33	39	36	31	39	34	29	37	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	31	36	35	29	36	35	29
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	31	36	34	29	36	32	27	35	30	0	33	28	0
		2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	29	33	30	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	30	27	33	28	0	32	0	0	30	0	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	27	31	28	0	31	0	0	30	0	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	27	31	28	0	31	0	0	30	0	0
		5:12	22.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	29	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	30	27	31	29	25	31	27	0			
60	C	6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	28	32	30	27	32	29	0	32	27	0			
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	32	33	33	32	33	33	32	33	33	32
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	29	34	32	28	32	30	26			
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	35	32	35	34	29	34	32	28	32	30	26
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	33
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	36	31	36	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	38	38	35	37	37	33				
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	39	39	39	37	39	39	35	38	37	33		
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	36	41	41	38	34	38	36	31	36	34	29	34	32	28	32	30	26
		Flat	0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	38	32	39	36	30	39	34	29
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	39	34	39	39	32	39	36	30	39	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	36	30	36	34	29	36	32	27
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	34	36	36	32	36	36	30	36	33	28	36	31	26	34	29	0	32	28	0	30	0	0
		2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	29	33	30	27	33	28	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	33	31	33	31	28	33	29	26	33	27	0	31	0	0	30	0	0
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	27	31	28	0			
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		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	27	31	28	0			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	27	0	31	0	0	29	0	0	28	0	0
		5:12	22.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	28	31	31	27	
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	D	6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	28	
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		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	30	
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29	33	33	31	27	31	29	0	29	28	0		
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	33	33	30				
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	33	31	27	31	29	0	29	28	0			
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	32	34	34	30				
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	33	29	33	31	27	31	29	0	29	28	0			
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	34	35	32	35	34	30				
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36	37	37	34	37	36	31	36	34	30		
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	38	34	38	36	31	36	34	29	34	32	28	32	30	26			
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	38	39	39	36	38	38	34	38	36	31	36	34	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	38	41	41	36	40	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	36	30	36	34	29
		1:12	4.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	34	28
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	27
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	27	29	29	27
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	27	29	29	27
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	28
		6:12	26.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	28
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	32	28	32	30	26
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	29	33	32	28	32	30	26
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	34	29	34	32	28	32	30	26
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	33	
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	36	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	35	36	36	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	38	36	31	36	34	29	34	32	28	32	30	26
	C	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	31	36	35	30
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	36	36	36	36	36	36	36	36	34	36	32	27	35	30	0	33	28	0
		1:12	4.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	34	29
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	34	29	34	32	27	34	30	0	33	28	0			
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28			
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		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28			
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		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28			
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		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
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		6:12	26.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29				
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		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30				
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		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32				
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		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33				
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	29	33	32	28	32	30	26						
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33				
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		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	33						
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	29	34	32	28	32	30	26						
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	35						
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	D	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	36	30	36	34	29
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	36	36	36	36	36	36	36	36	33	36	36	31	36	34	29	36	32	28
		1:12	4.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	34	29	34	32	27	34	30	0	33	28	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		6:12	26.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26	30	28	0	30	0	0	30	0	0
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	30				
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		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	30			
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		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	33	33	30			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	33	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	34	30					
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	31	35	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	36	37	37	34	36	36	31	35	34	30
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	33	37	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
80	B	Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	34	29
		1:12	4.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	27
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		6:12	26.6	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31
		12:12	45	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	36	31
	C	Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	34	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	34	29	34	32	27	34	30	0	33	28	0
		1:12	4.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	30	0	31	28	0
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	0	29	0	0	29	0	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	0	0	27	0	0
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	0	0	27	0	0
		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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80	C	6:12	26.6	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	30	26
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	28	31	30	26
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	32	28	32	30	26
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	34	29	34	32	28	32	30	26
		12:12	45	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	41	36	36	36	34	36	36	31	36	34	29	34	32	28	32	30	26
	D	Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	34	29	34	32	27
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30	34	33	28	34	31	26	34	29	0	32	28	0	30	0	0
		1:12	4.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	31	27
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	31	26	31	29	0	31	28	0	30	0	0
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	0
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0	29	0	0	29	0	0	28	0	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
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		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
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		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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	D	6:12	26.6	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
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		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	0	29	28	0
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	29	0	29	28	0
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	27	31	29	0	29	28	0
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	31	33	33	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	33	31	27	31	29	0	29	28	0
		12:12	45	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	35	35	31	34	34	30
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	35	31	35	33	29	33	31	27	31	29	0	29	28	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	Flat	0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		1:12	4.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		5:12	22.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		6:12	26.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		9:12	36.9	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31
	C	Flat	0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
		1:12	4.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		5:12	22.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		6:12	26.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		9:12	36.9	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31
	D	Flat	0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	27
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		1:12	4.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27
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		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	0	0	27	0	0	27	0	0
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0	26	0	0	26	0	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0	25	0	0	25	0	0
		5:12	22.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		6:12	26.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	0
		9:12	36.9	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
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		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	28	0	29	28	0	30	0	0
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	33	31	27	31	29	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
		1:12	4.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		5:12	22.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26		
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31
	C	Flat	0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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		1:12	4.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0
		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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100		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26		
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	D	Flat	0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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		1:12	4.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	0	29
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	Flat	0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		1:12	4.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		6:12	26.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		11:12	42.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	C	Flat	0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	0	29	28	0				
		1:12	4.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	27	0		
		2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	0	0	25	0	0	
		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0	
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		6:12	26.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		11:12	42.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	D	Flat	0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	0	29	0	0				
		1:12	4.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
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		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
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		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
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		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		6:12	26.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		11:12	42.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	0	29	28	0	29	0	0	
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
		5:12	22.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	C	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0	22	0	0
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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120		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	D	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	28	0	28	28	0	28	0	0
		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0
		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0	24	0	0
		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0	22	0	0
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0	22	0	0
		5:12	22.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	22	0	22	0	0
		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	23	0	23	0	0
		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	0
		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	0	29	28	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	66	62	68	60	57	63	54	52	58	50	48	54	47	44	51	43	41	48	41	39
				Exposed	74	74	72	74	71	67	74	66	63	71	63	59	68	59	56	64	56	53	61	53	50	59	51	48	54	46	44	50	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	69	65	74	65	62	68	59	56	63	54	52	58	50	48	54	46	44	51	43	41	48	41	39
				Exposed	74	74	72	74	70	67	74	66	63	71	62	59	67	59	56	64	56	53	61	53	50	58	50	48	54	46	44	50	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	68	65	74	65	62	68	59	56	62	54	51	58	50	48	54	46	44	51	43	41	48	41	39
				Exposed	74	74	71	74	70	67	74	66	63	71	62	59	67	59	56	64	56	53	61	53	50	58	50	48	53	46	44	49	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	73		74	66		74	61		71	56		65	52		61	48		57	45	
				Exposed	74	74		74	74		74	74		74	70		74	66		74	62		74	59		71	56		65	51		59	47		54	43		50	40		47	38		44	36	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	74		74	74		74	74		74	74		74	72		74	66		74	60		70	56		65	52		60	48		56	45	
				Exposed	74	74		74	74		74	73		74	69		74	65		74	62		74	59		71	56		64	51		59	47		54	43		50	40		47	38		44	36	
		7:12	30.3	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	70	70	74	67	66	74	64	62	74	57	55	72	52	50	67	48	46	62	44	42	58	41	39	54	39	36
				Exposed	74	73	73	74	69	68	74	64	63	74	61	59	74	57	55	74	54	52	70	51	49	67	48	46	61	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	70	69	74	66	65	74	63	62	74	57	55	71	52	50	66	48	45	62	44	42	57	41	39	54	39	36
				Exposed	74	72	72	74	68	67	74	64	63	74	60	59	74	57	55	73	54	51	70	51	48	67	48	46	61	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	73	73	74	69	68	74	66	65	74	63	61	74	57	55	71	52	50	66	48	45	61	44	42	57	41	39	53	39	36
				Exposed	74	72	71	74	68	67	74	64	62	74	60	58	74	57	55	72	54	51	69	51	48	66	48	46	61	44	41	56	40	38	51	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	72	72	74	69	68	74	65	64	74	62	61	74	57	55	70	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	74	71	71	74	67	66	74	63	62	74	60	58	74	56	54	72	53	51	69	51	48	66	48	46	60	44	41	56	40	38	51	37	35	48	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	72	71	74	68	67	74	65	64	74	62	61	74	57	55	70	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	74	71	70	74	67	66	74	63	61	74	60	58	74	56	54	71	53	51	68	51	48	65	48	46	60	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	71	71	74	68	67	74	65	63	74	62	60	74	57	55	69	52	49	65	48	45	60	44	41	57	41	39	53	39	36
				Exposed	74	70	70	74	66	65	74	63	61	74	59	58	74	56	54	71	53	51	68	50	48	65	48	45	60	44	41	55	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	70	74	69	66	74	65	62	71	62	59	67	58	55	64	55	53	61	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	70	61	58	65	57	54	62	53	51	59	50	48	56	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	74	74	74	74	74	70	74	69	66	74	65	62	70	61	58	67	58	55	64	55	53	61	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	69	61	58	65	57	54	62	53	51	58	50	48	55	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	74	74	74	74	73	70	74	69	65	74	65	62	70	61	58	66	58	55	63	55	52	61	52	50	56	48	45	51	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	69	60	57	65	56	54	61	53	51	58	50	48	55	47	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	74	74		74	74		74	74		74	73		74	69		74	65		74	62		74	59		74	53		62	49		57	45		53	42		49	40		46	37	
				Exposed	74	68		74	63		74	60		71	56		67	53		63	50		60	48		57	46		52	42		48	39		44	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	74	74		74	74		74	74		74	72		74	68		74	65		74	61		74	59		67	53		61	49		57	45		52	42		49	39		46	37	
				Exposed	74	67		74	63		74	59		71	56		67	53		63	50		60	48		57	45		52	42		48	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	74	74	74	74	72	71	74	67	66	74	63	62	74	60	58	74	56	54	73	53	51	70	51	48	64	46	43	59	42	40	54	39	36	50	36	34	47	34	31	44	32	29
				Exposed	74	59	57	74	55	53	71	51	49	67	48	46	63	46	43	60	43	41	57	41	39	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	74	74	74	74	71	70	74	67	66	74	63	62	74	59	58	74	56	54	72	53	51	69	51	48	64	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	74	59	57	74	55	52	70	51	49	67	48	46	63	45	43	60	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	74	74	74	74	70	70	74	66	65	74	63	61	74	59	57	74	56	54	72	53	51	69	50	48	63	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	74	58	56	73	55	52	70	51	49	66	48	46	63	45	43	60	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	74	74	74	74	70	69	74	66	65	74	62	61	74	59	57	74	56	54	71	53	51	68	50	48	63	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	74	58	56	73	54	52	69	51	49	66	48	45	62	45	43	59	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	74	73	73	74	69	69	74	65	64	74	62	60	74	59	57	74	56	54	71	53	51	68	50	48	63	46	43	58	42	39	53	39	36	50	36	34	46	34	31	43	32	29
				Exposed	74	58	56	72	54	52	69	51	49	65	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	74	73	73	74	69	68	74	65	64	74	62	60	74	59	57	73	56	53	70	53	50	67	50	48	62	46	43	58	42	39	53	39	36	49	36	34	46	34	31	43	32	29
				Exposed	74	58	56	72	54	52	68	51	48	65	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	74	71	67	74	66	63	71	62	59	67	59	56	64	55	53	61	52	50	58	50	47	55	47	45	51	43	41	47	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	63	55	52	59	51	49	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	74	71	67	74	66	63	71	62	59	67	58	56	64	55	52	60	52	50	58	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	63	54	52	59	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	74	70	67	74	66	62	70	62	59	67	58	55	63	55	52	60	52	50	57	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	62	54	52	59	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	37	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	74	74		74	74		74	69		74	65		74	62		74	58		70	55		67	53		61	48		55	44		51	41		47	38		44	36		41	34	
				Exposed	74	61		72	57		68	54		64	51		60	48		57	45		54	43		51	41		47	38		43	36		40	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	74	74		74	73		74	69		74	65		74	61		73	58		70	55		66	53		60	48		55	44		51	41		47	38		44	36		41	34	
				Exposed	74	61		72	57		67	53		63	50		60	48		57	45		54	43		51	41		47	38		43	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	74	69	68	74	64	63	74	60	58	74	57	55	73	53	51	70	50	48	66	48	45	63	45	43	57	41	39	53	38	36	49	35	33	45	33	30	42	31	28	40	29	26
				Exposed	72	52	50	68	49	47	64	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	74	68	67	74	64	63	74	60	58	74	56	54	72	53	51	69	50	48	66	48	45	63	45	43	57	41	39	53	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	71	52	50	67	49	46	64	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	74	68	67	74	64	62	74	60	58	74	56	54	72	53	51	68	50	48	65	48	45	63	45	43	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	71	52	50	67	49	46	63	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	74	67	66	74	63	62	74	60	58	74	56	54	71	53	51	68	50	48	65	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	70	52	50	66	49	46	63	46	43	60	43	41	56	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	74	67	66	74	63	61	74	59	58	74	56	54	71	53	50	68	50	47	65	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	70	52	50	66	49	46	63	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	74	66	65	74	62	61	74	59	57	74	56	54	70	53	50	67	50	47	64	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	69	52	50	66	49	46	62	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	74	74	74	73	74	73	69	74	69	65	74	66	62	68	60	57	63	54	52	58	50	48	54	47	44	51	43	41	48	41	39
				Exposed	74	74	72	74	71	67	74	66	63	71	63	59	68	59	56	64	56	53	61	53	50	59	51	48	54	46	44	50	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	69	72	69	65	72	65	62	68	59	56	63	54	52	58	50	48	54	46	44	51	43	41	48	41	39
				Exposed	72	72	72	72	70	67	72	66	63	71	62	59	67	59	56	64	56	53	61	53	50	58	50	48	54	46	44	50	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	68	72	68	65	72	65	62	68	59	56	62	54	51	58	50	48	54	46	44	51	43	41	48	41	39
				Exposed	72	72	71	72	70	67	72	66	63	71	62	59	67	59	56	64	56	53	61	53	50	58	50	48	53	46	44	49	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	72	72		72	72		72	72		72	72		72	72		72	72		72	72		72	72		72	66		72	61		71	56		65	52		61	48		57	45	
				Exposed	72	72		72	72		72	72		72	70		72	66		72	62		72	59		71	56		65	51		59	47		54	43		50	40		47	38		44	36	
		6:12	26.6	Non-Exposed	71	71		71	71		71	71		71	71		71	71		71	71		71	71		71	71		71	66		71	60		70	56		65	52		60	48		56	45	
				Exposed	71	71		71	71		71	71		71	69		71	65		71	62		71	59		71	56		64	51		59	47		54	43		50	40		47	38		44	36	
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	70	71	67	66	71	64	62	71	57	55	71	52	50	67	48	46	62	44	42	58	41	39	54	39	36
				Exposed	71	71	71	71	69	68	71	64	63	71	61	59	71	57	55	71	54	52	70	51	49	67	48	46	61	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	70	69	71	66	65	71	63	62	71	57	55	71	52	50	66	48	45	62	44	42	57	41	39	54	39	36
				Exposed	71	71	71	71	68	67	71	64	63	71	60	59	71	57	55	71	54	51	70	51	48	67	48	46	61	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	69	68	72	66	65	72	63	61	72	57	55	71	52	50	66	48	45	61	44	42	57	41	39	53	39	36
				Exposed	72	72	71	72	68	67	72	64	62	72	60	58	72	57	55	72	54	51	69	51	48	66	48	46	61	44	41	56	40	38	51	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	69	68	72	65	64	72	62	61	72	57	55	70	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	72	71	71	72	67	66	72	63	62	72	60	58	72	56	54	72	53	51	69	51	48	66	48	46	60	44	41	56	40	38	51	37	35	48	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	72	72	72	71	72	68	67	72	65	64	72	62	61	72	57	55	70	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	72	71	70	72	67	66	72	63	61	72	60	58	72	56	54	71	53	51	68	51	48	65	48	46	60	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	73	73	71	71	73	68	67	73	65	63	73	62	60	73	57	55	69	52	49	65	48	45	60	44	41	57	41	39	53	39	36
				Exposed	73	70	70	73	66	65	73	63	61	73	59	58	73	56	54	71	53	51	68	50	48	65	48	45	60	44	41	55	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	74	74	74	74	74	70	74	69	66	74	65	62	71	62	59	67	58	55	64	55	53	61	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	70	61	58	65	57	54	62	53	51	59	50	48	56	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	72	72	72	72	72	70	72	69	66	72	65	62	70	61	58	67	58	55	64	55	53	61	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	69	61	58	65	57	54	62	53	51	58	50	48	55	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	72	72	72	72	72	70	72	69	65	72	65	62	70	61	58	66	58	55	63	55	52	61	52	50	56	48	45	51	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	69	60	57	65	56	54	61	53	51	58	50	48	55	47	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	72	72		72	72		72	72		72	72		72	69		72	65		72	62		72	59		72	53		72	49		72	45		53	42		49	40		46	37	
				Exposed	72	68		72	63		72	60		71	56		67	53		63	50		60	48		57	46		52	42		48	39		44	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	71	71		71	71		71	71		71	71		71	68		71	65		71	61		71	59		67	53		61	49		57	45		52	42		49	39		46	37	
				Exposed	71	67		71	63		71	59		71	56		67	53		63	50		60	48		57	45		52	42		48	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	71	71	71	71	71	71	71	67	66	71	63	62	71	60	58	71	56	54	71	53	51	70	51	48	64	46	43	59	42	40	54	39	36	50	36	34	47	34	31	44	32	29
				Exposed	71	59	57	71	55	53	71	51	49	67	48	46	63	46	43	60	43	41	57	41	39	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	71	71	71	71	71	70	71	67	66	71	63	62	71	59	58	71	56	54	71	53	51	69	51	48	64	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	71	59	57	71	55	52	70	51	49	67	48	46	63	45	43	60	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	72	72	72	72	70	70	72	66	65	72	63	61	72	59	57	72	56	54	72	53	51	69	50	48	63	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	72	58	56	72	55	52	70	51	49	66	48	46	63	45	43	60	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	72	72	72	72	70	69	72	65	64	72	62	61	72	59	57	72	56	54	71	53	51	68	50	48	63	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	72	58	56	72	54	52	69	51	49	66	48	45	62	45	43	59	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	72	72	72	72	69	69	72	65	64	72	62	60	72	59	57	72	56	54	71	53	51	68	50	48	63	46	43	58	42	39	53	39	36	50	36	34	46	34	31	43	32	29
				Exposed	72	58	56	72	54	52	69	51	49	65	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	73	73	73	73	69	68	73	65	64	73	62	60	73	59	57	73	56	53	70	53	50	67	50	48	62	46	43	58	42	39	53	39	36	49	36	34	46	34	31	43	32	29
				Exposed	73	58	56	72	54	52	68	51	48	65	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	74	71	67	74	66	63	71	62	59	67	59	56	64	55	53	61	52	50	58	50	47	55	47	45	51	43	41	47	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	63	55	52	59	51	49	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	72	71	67	72	66	63	71	62	59	67	58	56	64	55	52	60	52	50	58	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	63	54	52	59	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	72	70	67	72	66	62	70	62	59	67	58	55	63	55	52	60	52	50	57	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	62	54	52	59	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	37	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	72	72		72	72		72	69		72	65		72	62		72	58		70	55		67	53		61	48		55	44		51	41		47	38		44	36		41	34	
				Exposed	72	61		72	57		68	54		64	51		60	48		57	45		54	43		51	41		47	38		43	36		40	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	71	71		71	71		71	69		71	65		71	61		71	58		70	55		66	53		60	48		55	44		51	41		47	38		44	36		41	34	
				Exposed	71	61		71	57		67	53		63	50		60	48		57	45		54	43		51	41		47	38		43	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	71	69	68	71	64	63	71	60	58	71	57	55	71	53	51	70	50	48	66	48	45	63	45	43	57	41	39	53	38	36	49	35	33	45	33	30	42	31	28	40	29	26
				Exposed	71	52	50	68	49	47	64	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	71	68	67	71	64	63	71	60	58	71	56	54	71	53	51	69	50	48	66	48	45	63	45	43	57	41	39	53	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	71	52	50	67	49	46	64	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	72	68	67	72	64	62	72	60	58	72	56	54	72	53	51	68	50	48	65	48	45	63	45	43	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	71	52	50	67	49	46	63	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	72	67	66	72	63	62	72	60	58	72	56	54	71	53	51	68	50	48	65	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	70	52	50	66	49	46	63	46	43	60	43	41	56	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	72	67	66	72	63	61	72	59	58	72	56	54	71	53	50	68	50	47	65	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	70	52	50	66	49	46	63	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	73	66	65	73	62	61	73	59	57	73	56	54	70	53	50	67	50	47	64	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	69	52	50	66	49	46	62	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	64	60	57	63	54	52	58	50	48	54	47	44	51	43	41	48	41	39
				Exposed	64	64	64	64	64	64	64	64	63	64	63	59	64	59	56	64	56	53	61	53	50	59	51	48	54	46	44	50	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	56	62	54	52	58	50	48	54	46	44	51	43	41	48	41	39			
				Exposed	62	62	62	62	62	62	62	62	62	62	62	59	62	59	56	62	56	53	61	53	50	58	50	48	54	46	44	50	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	59	56	62	54	51	58	50	48	54	46	44	51	43	41	48	41	39			
				Exposed	63	63	63	63	63	63	63	63	63	63	62	59	63	59	56	63	56	53	61	53	50	58	50	48	53	46	44	49	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	61		63	56		62	52		61	48		57	45	
				Exposed	63	63		63	63		63	63		63	63		63	63		63	62		63	59		63	56		63	51		59	47		54	43		50	40		47	38		44	36	
		6:12	26.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	63		63	60		63	56		62	52		60	48		56	45	
				Exposed	63	63		63	63		63	63		63	63		63	63		63	62		63	59		63	56		63	51		59	47		54	43		50	40		47	38		44	36	
		7:12	30.3	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	57	55	63	52	50	63	48	46	62	44	42	58	41	39	54	39	36
				Exposed	63	63	63	63	63	63	63	63	63	63	61	59	63	57	55	63	54	52	63	51	49	63	48	46	61	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	62	64	57	55	64	52	50	64	48	45	62	44	42	57	41	39	54	39	36
				Exposed	64	64	64	64	64	64	64	64	63	64	60	59	64	57	55	64	54	51	64	51	48	64	48	46	61	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	63	61	65	57	55	65	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	65	65	65	65	65	65	65	64	62	65	60	58	65	57	55	65	54	51	65	51	48	65	48	46	61	44	41	56	40	38	51	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	64	66	62	61	66	57	55	66	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	66	66	66	66	66	66	66	63	62	66	60	58	66	56	54	66	53	51	66	51	48	66	48	46	60	44	41	56	40	38	51	37	35	48	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	64	66	62	61	66	57	55	66	52	50	65	48	45	61	44	42	57	41	39	53	39	36
				Exposed	66	66	66	66	66	66	66	63	61	66	60	58	66	56	54	66	53	51	66	51	48	65	48	46	60	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	65	63	67	62	60	67	57	55	67	52	49	65	48	45	60	44	41	57	41	39	53	39	36
				Exposed	67	67	67	67	66	65	67	63	61	67	59	58	67	56	54	67	53	51	67	50	48	65	48	45	60	44	41	55	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	62	64	62	59	64	58	55	64	55	53	61	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	64	61	58	64	57	54	62	53	51	59	50	48	56	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	61	58	62	58	55	62	55	53	61	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	62	61	58	62	57	54	62	53	51	58	50	48	55	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	62	63	61	58	63	58	55	63	55	52	61	52	50	56	48	45	51	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	63	60	57	63	56	54	61	53	51	58	50	48	55	47	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	62		63	59		63	53		61	49		57	45		53	42		49	40		46	37	
				Exposed	63	63		63	63		63	60		63	56		63	53		63	50		60	48		57	46		52	42		48	39		44	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	63	63		63	63		63	63		63	63		63	63		63	63		63	61		63	59		63	53		61	49		57	45		52	42		49	39		46	37	
				Exposed	63	63		63	63		63	59		63	56		63	53		63	50		60	48		57	45		52	42		48	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	62	63	60	58	63	56	54	63	53	51	63	51	48	63	46	43	59	42	40	54	39	36	50	36	34	47	34	31	44	32	29
				Exposed	63	59	57	63	55	53	63	51	49	63	48	46	63	46	43	60	43	41	57	41	39	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	64	64	64	64	64	64	64	64	64	64	63	62	64	59	58	64	56	54	64	53	51	64	51	48	64	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	64	59	57	64	55	52	64	51	49	64	48	46	63	45	43	60	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	65	65	65	65	65	65	65	65	65	65	63	61	65	59	57	65	56	54	65	53	51	65	50	48	63	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	65	58	56	65	55	52	65	51	49	65	48	46	63	45	43	60	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	65	66	62	61	66	59	57	66	56	54	66	53	51	66	50	48	63	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	66	58	56	66	54	52	66	51	49	66	48	45	62	45	43	59	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	66	66	66	66	66	66	66	65	64	66	62	60	66	59	57	66	56	54	66	53	51	66	50	48	63	46	43	58	42	39	53	39	36	50	36	34	46	34	31	43	32	29
				Exposed	66	58	56	66	54	52	66	51	49	65	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	65	64	67	62	60	67	59	57	67	56	53	67	53	50	67	50	48	62	46	43	58	42	39	53	39	36	49	36	34	46	34	31	43	32	29
				Exposed	67	58	56	67	54	52	67	51	48	65	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	64	64	64	64	64	63	64	62	59	64	59	56	64	55	53	61	52	50	58	50	47	55	47	45	51	43	41	47	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	63	55	52	59	51	49	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	62	62	62	62	62	62	62	62	59	62	58	56	62	55	52	60	52	50	58	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	62	54	52	59	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	63	63	63	63	63	62	63	62	59	63	58	55	63	55	52	60	52	50	57	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	62	54	52	59	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	37	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	63	63		63	63		63	63		63	63		63	62		63	58		63	55		63	53		61	48		55	44		51	41		47	38		44	36		41	34	
				Exposed	63	61		63	57		63	54		63	51		60	48		57	45		54	43		51	41		47	38		43	36		40	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	63	63		63	63		63	63		63	63		63	61		63	58		63	55		63	53		60	48		55	44		51	41		47	38		44	36		41	34	
				Exposed	63	61		63	57		63	53		63	50		60	48		57	45		54	43		51	41		47	38		43	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	63	63	63	63	63	63	60	58	63	57	55	63	53	51	63	50	48	63	48	45	63	45	43	57	41	39	53	38	36	49	35	33	45	33	30	42	31	29	40	29	26
				Exposed	63	52	50	63	49	47	63	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	64	64	64	64	64	63	64	60	58	64	56	54	64	53	51	64	50	48	64	48	45	63	45	43	57	41	39	53	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	64	52	50	64	49	46	64	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	65	65	65	65	64	62	65	60	58	65	56	54	65	53	51	65	50	48	65	48	45	63	45	43	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	65	52	50	65	49	46	63	46	43	60	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	63	62	66	60	58	66	56	54	66	53	51	66	50	48	65	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	66	52	50	66	49	46	63	46	43	60	43	41	56	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	66	66	66	66	63	61	66	59	58	66	56	54	66	53	50	66	50	47	65	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	66	52	50	66	49	46	63	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	67	66	65	67	62	61	67	59	57	67	56	54	67	53	50	67	50	47	64	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	67	52	50	66	49	46	62	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	54	52	57	50	48	54	47	44	51	43	41	48	41	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	56	53	57	53	50	57	51	48	54	46	44	50	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	52	55	50	48	54	46	44	51	43	41	48	41	39
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	53	50	55	50	48	54	46	44	50	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	56	54	51	57	50	48	54	46	44	51	43	41	48	41	39
				Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	56	53	57	53	50	57	50	48	53	46	44	49	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	56		56	52		55	48		54	45	
				Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	56		57	51		57	47		54	43		50	40		47	38		44	36	
		6:12	26.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	56		56	52		55	48		54	45	
				Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	56		57	51		57	47		54	43		50	40		47	38		44	36	
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	52	50	58	48	46	57	44	42	56	41	39	54	39	36
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	54	52	58	51	49	58	48	46	58	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	52	50	58	48	45	58	44	42	57	41	39	54	39	36
				Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	54	51	58	51	48	58	48	46	58	44	41	56	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	55	59	52	50	59	48	45	59	44	42	57	41	39	53	39	36
				Exposed	59	59	59	59	59	59	59	59	59	59	59	58	59	57	55	59	54	51	59	51	48	59	48	46	59	44	41	56	40	38	51	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	57	55	61	52	50	61	48	45	60	44	42	57	41	39	53	39	36
				Exposed	61	61	61	61	61	61	61	61	61	61	60	58	61	56	54	61	53	51	61	51	48	61	48	46	60	44	41	56	40	38	51	37	35	48	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	57	55	62	52	50	62	48	45	61	44	42	57	41	39	53	39	36
				Exposed	62	62	62	62	62	62	62	62	61	62	60	58	62	56	54	62	53	51	62	51	48	62	48	46	60	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	60	63	57	55	63	52	49	63	48	45	60	44	41	57	41	39	53	39	36
				Exposed	63	63	63	63	63	63	63	63	61	63	59	58	63	56	54	63	53	51	63	50	48	63	48	45	60	44	41	55	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	55	53	57	53	50	56	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	57	57	57	57	57	54	57	53	51	57	50	48	56	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	53	50	54	48	46	52	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	55	55	55	55	55	54	55	53	51	55	50	48	55	48	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	55	52	57	52	50	56	48	45	51	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	57	57	57	57	56	54	57	53	51	57	50	48	55	47	45	53	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	53		56	53		55	49		54	45		53	42		49	40		46	37	
				Exposed	57	57		57	57		57	57		57	56		57	53		57	50		57	48		57	46		52	42		48	39		44	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	57		57	53		55	49		54	45		52	42		49	39		46	37	
				Exposed	57	57		57	57		57	57		57	56		57	53		57	50		57	48		57	45		52	42		48	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	54	58	53	51	58	51	48	57	46	43	56	42	40	54	39	36	50	36	34	47	34	31	44	32	29
				Exposed	58	58	57	58	55	53	58	51	49	58	48	46	58	46	43	58	43	41	57	41	39	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	54	58	53	51	58	51	48	58	46	43	57	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	58	58	57	58	55	52	58	51	49	58	48	46	58	45	43	58	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	56	54	59	53	51	59	50	48	59	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	59	58	56	59	55	52	59	51	49	59	48	46	59	45	43	59	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	59	57	61	56	54	61	53	51	61	50	48	60	46	43	58	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	61	58	56	61	54	52	61	51	49	61	48	45	61	45	43	59	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	60	62	59	57	62	56	54	62	53	51	62	50	48	62	46	43	58	42	39	53	39	36	50	36	34	46	34	31	43	32	29
				Exposed	62	58	56	62	54	52	62	51	49	62	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	63	63	63	63	63	63	63	63	63	63	62	60	63	59	57	63	56	53	63	53	50	63	50	48	62	46	43	58	42	39	53	39	36	49	36	34	46	34	31	43	32	29
				Exposed	63	58	56	63	54	52	63	51	48	63	48	45	62	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	56	57	55	53	57	52	50	57	50	47	55	47	45	51	43	41	47	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	57	55	52	57	51	49	56	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	55	52	50	55	50	47	54	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	55	54	52	55	51	48	55	48	46	53	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	55	57	55	52	57	52	50	57	50	47	55	47	45	51	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	57	54	52	57	51	48	56	48	46	53	45	43	50	43	41	48	41	39	46	39	37	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	55		56	53		55	48		54	44		51	41		47	38		44	36		41	34	
				Exposed	57	57		57	57		57	54		57	51		57	48		57	45		54	43		51	41		47	38		43	36		40	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	57	57		57	57		57	57		57	57		57	57		57	57		57	55		57	53		55	48		54	44		51	41		47	38		44	36		41	34	
				Exposed	57	57		57	57		57	53		57	50		57	48		57	45		54	43		51	41		47	38		43	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	57	55	58	53	51	58	50	48	58	48	45	57	45	43	56	41	39	53	38	36	49	35	33	45	33	30	42	31	28	40	29	26
				Exposed	58	52	50	58	49	47	58	46	43	58	43	41	57	41	38	54	39	36	51	37	35	49	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	58	58	58	58	58	58	58	58	58	58	56	54	58	53	51	58	50	48	58	48	45	58	45	43	57	41	39	53	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	58	52	50	58	49	46	58	46	43	58	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	59	59	59	59	59	59	59	59	58	59	56	54	59	53	51	59	50	48	59	48	45	59	45	43	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	59	52	50	59	49	46	59	46	43	59	43	41	57	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	61	61	61	61	61	61	61	60	58	61	56	54	61	53	51	61	50	48	61	47	45	60	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	61	52	50	61	49	46	61	46	43	60	43	41	56	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	62	62	62	62	62	61	62	59	58	62	56	54	62	53	50	62	50	47	62	47	45	61	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	62	52	50	62	49	46	62	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	63	63	63	63	62	61	63	59	57	63	56	54	63	53	50	63	50	47	63	47	45	62	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	63	52	50	63	49	46	62	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
20	B	2:12	9.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	48	51	47	44	51	43	41	48	41	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	51	48	52	46	44	50	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	46	44	48	43	41	48	41	39
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	46	44	49	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	51	46	44	50	43	41	48	41	39
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	50	48	52	46	44	49	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		51	51		50	48		50	45	
				Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	51		52	47		52	43		50	40		47	38		44	36	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		52	52		51	48		52	52		51	48		50	45	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	47		52	43		50	40		47	38		44	36	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	48	46	52	44	42	52	41	39	51	39	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	51	49	53	48	46	53	44	41	53	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	50	54	48	45	53	44	42	53	41	39	52	39	36
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	51	48	54	48	46	54	44	41	54	40	38	52	37	35	48	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	50	55	48	45	55	44	42	54	41	39	53	39	36
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	51	55	51	48	55	48	46	55	44	41	55	40	38	51	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	52	50	57	48	45	56	44	42	55	41	39	53	39	36
				Exposed	57	57	57	57	57	57	57	57	57	57	56	54	57	53	51	57	51	48	57	48	46	57	44	41	56	40	38	51	37	35	48	35	32	44	32	30	42	31	28			
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	52	50	58	48	45	57	44	42	56	41	39	53	39	36			
				Exposed	58	58	58	58	58	58	58	58	58	58	56	54	58	53	51	58	51	48	58	48	46	58	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28			
		12:12	45	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	55	59	52	49	59	48	45	59	44	41	57	41	39	53	39	36			
				Exposed	59	59	59	59	59	59	59	59	59	59	59	58	59	56	54	59	53	51	59	50	48	59	48	45	59	44	41	55	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	48	46	51	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	52	52	52	52	52	52	52	52	51	52	50	48	52	48	45	52	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	48	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	49	49	49	49	49	49	49	49	49	49	48	48	49	48	45	49	45	43	49	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	48	45	51	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	52	52	52	52	52	52	52	52	51	52	50	48	52	47	45	52	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		51	49		50	45		49	42		48	40		46	37	
				Exposed	52	52		52	52		52	52		52	52		52	52		52	50		52	48		52	46		52	42		48	39		44	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		52	52		51	49		50	45		49	42		48	39		46	37	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	50		53	48		53	45		52	42		48	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	48	53	46	43	52	42	40	51	39	36	50	36	34	47	34	31	44	32	29
				Exposed	53	53	53	53	53	53	53	51	49	53	48	46	53	46	43	53	43	41	53	41	39	53	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	54	51	48	54	46	43	53	42	39	52	39	36	50	36	34	46	34	31	43	32	29
				Exposed	54	54	54	54	54	52	54	51	49	54	48	46	54	45	43	54	43	40	54	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	53	51	55	50	48	55	46	43	54	42	39	53	39	36	50	36	34	46	34	31	43	32	29
				Exposed	55	55	55	55	55	52	55	51	49	55	48	46	55	45	43	55	43	40	55	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	56	54	57	53	51	57	56	54	57	53	51	57	50	48	56	46	43	55	42	39	54	39	36	50	36	34	46	34	31	43	32	29
				Exposed	57	57	56	57	54	52	57	51	49	57	48	45	57	45	43	57	43	40	57	41	38	54	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	56	54	58	53	51	58	50	48	58	46	43	56	42	39	53	39	36	50	36	34	46	34	31	43	32	29
				Exposed	58	58	56	58	54	52	58	51	49	58	48	45	58	45	43	58	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	56	53	59	53	50	59	50	48	59	46	43	58	42	39	53	39	36	49	36	34	46	34	31	43	32	29
				Exposed	59	58	56	59	54	52	59	51	48	59	48	45	59	45	43	59	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	50	47	52	47	45	51	43	41	47	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	52	52	52	52	51	49	52	48	46	52	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	45	48	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30			
				Exposed	49	49	49	49	49	48	49	48	46	49	45	43	49	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	50	47	51	47	45	50	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	52	52	52	52	51	48	52	48	46	52	45	43	50	43	41	48	41	39	46	39	37	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	52	52		52	52		52	52		52	52		52	52		52	52		51	51		50	48		49	44		48	41		47	38		44	36		41	34				
				Exposed	52	52		52	52		52	51		52	48		52	45		52	43		51	41		47	38		43	36		40	33		38	31		35	29		33	28				
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		52	52		52	52		51	48		50	44		49	41		47	38		44	36		41	34				
				Exposed	53	53		53	53		53	53		53	50		53	48		52	45		52	43		51	41		47	38		43	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	48	45	53	45	43	52	41	39	50	38	36	49	35	33	45	33	30	42	31	28	40	29	26
				Exposed	53	52	50	53	49	47	53	46	43	53	43	41	53	41	38	53	39	36	51	37	35	49	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	54	50	48	54	48	45	54	45	43	53	41	39	51	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	54	52	50	54	49	46	54	46	43	54	43	41	54	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	55	53	51	55	50	48	55	48	45	55	45	43	54	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	55	52	50	55	49	46	55	46	43	55	43	41	55	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	57	57	57	57	57	57	57	57	57	57	56	54	57	53	51	57	50	48	57	47	45	56	45	42	55	41	39	52	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	57	52	50	57	49	46	57	46	43	57	43	41	56	41	38	54	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	58	58	58	58	58	58	58	58	58	58	56	54	58	53	50	58	50	47	58	47	45	57	45	42	56	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	58	52	50	58	49	46	58	46	43	58	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	59	59	59	59	59	59	59	57	59	56	54	59	53	50	59	50	47	59	47	45	59	45	42	57	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	59	52	50	59	49	46	59	46	43	59	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	2:12	9.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	48	51	47	44	50	43	41	48	41	39
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	46	44	50	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	44	47	43	41	47	41	39
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	44	48	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	43	41	46	41	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	42	40	46	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		46	45	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	43		47	40		47	38		44	36				
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	47		47	45	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	43		48	40		48	38		44	36				
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	44	42	48	41	39	47	39	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	44	41	49	40	38	49	37	35	48	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	45	50	44	42	49	41	39	48	39	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	46	50	44	41	49	40	38	50	37	35	48	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	48	45	51	44	42	50	41	39	50	39	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	51	48	52	48	46	52	44	41	52	40	38	51	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	48	45	52	44	42	52	41	39	51	39	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	48	53	48	46	53	44	41	53	40	38	51	37	35	48	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	52	50	55	48	45	54	44	42	53	41	39	52	39	36
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	53	51	55	51	48	55	48	46	55	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	52	49	56	48	45	55	44	41	55	41	39	53	39	36
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	53	51	56	50	48	56	48	45	56	44	41	55	40	38	51	37	35	48	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	48	46	50	44	42	48	41	39	45	38	37	42	36	35	40	34	33
				Exposed	51	51	51	51	51	51	51	51	51	51	50	48	51	48	45	51	45	43	50	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	44	42	47	41	39	45	38	37	42	36	35	40	34	33
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	45	43	48	43	41	48	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	42	46	41	39	45	38	37	42	36	35	40	34	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	43	47	43	41	47	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	45		47	42		46	41		45	40		44	37	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	46		47	42		47	39		44	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	45		46	42		45	39		44	37	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	45		48	42		48	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	46	49	49	49	49	49	49	49	49	49	49	49	48	49	46	43	48	42	40	48	39	36	47	36	34	46	34	31	44	32	29
				Exposed	49	49	49	49	49	49	49	49	49	49	48	46	49	46	43	49	43	41	49	41	39	49	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	46	43	49	42	39	48	39	36	48	36	34	46	34	31	43	32	29
				Exposed	50	50	50	50	50	50	50	50	49	50	48	46	50	45	43	50	43	40	50	41	38	50	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	51	46	43	51	42	39	50	39	36	49	36	34	46	34	31	43	32	29
				Exposed	52	52	52	52	52	52	52	51	49	52	48	46	52	45	43	52	43	40	52	41	38	52	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	46	43	52	42	39	51	39	36	50	36	34	46	34	31	43	29	26
				Exposed	53	52	50	53	49	46	53	46	43	53	43	40	53	41	38	53	39	36	53	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0			
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	53	51	55	50	48	54	46	43	53	42	39	52	39	36	50	36	34	46	34	31	43	32	29			
				Exposed	55	55	55	55	54	52	55	51	49	55	48	45	55	45	43	55	43	40	55	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56			
				Exposed	56	56	56	56	54	52	56	51	48	56	48	45	56	45	43	56	43	40	56	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	50	47	51	47	45	50	43	41	47	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	51	51	51	51	51	49	51	48	46	51	45	43	50	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	47	45	47	43	41	47	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	48	48	48	48	48	48	48	48	46	48	45	43	48	43	41	48	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	43	41	46	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	47	47	47	47	47	47	47	47	46	47	45	43	47	43	41	47	41	39	46	39	37	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		47	47		46	44		45	41		44	38		43	36		41	34	
				Exposed	47	47		47	47		47	47		47	47		47	47		47	45		47	43		47	41		47	38		43	36		40	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	47		46	44		46	41		45	38		44	36		41	34	
				Exposed	48	48		48	48		48	48		48	48		48	45		48	43		48	41		47	38		43	35		40	33		38	31		35	29		33	28				
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	48	45	49	45	43	48	41	39	47	38	36	46	35	33	45	33	30	42	31	28	40	29	26
				Exposed	49	49	49	49	49	47	49	46	43	49	43	41	49	41	38	49	39	36	49	37	35	49	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	48	45	50	45	43	49	41	39	48	38	35	47	35	33	45	33	30	42	31	28	40	29	26
				Exposed	50	50	50	50	49	46	50	46	43	50	43	41	50	41	38	50	39	36	50	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	52	48	45	51	45	43	50	41	39	49	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	52	52	50	52	49	46	52	46	43	52	43	41	52	41	38	52	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	47	45	53	45	42	52	41	39	51	38	35	48	35	33	45	33	30	42	31	28	40	29	26
				Exposed	53	52	50	53	49	46	53	46	43	53	43	41	53	41	38	53	39	36	51	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	55	53	50	55	50	47	55	47	45	54	45	42	53	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	55	52	50	55	49	46	55	46	43	55	43	40	55	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	54	56	53	50	56	50	47	56	47	45	56	45	42	54	41	39	52	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	56	52	50	56	49	46	56	46	43	56	43	40	56	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	43	41	46	41	39
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	44	47	42	40	46	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	41	39
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	40	44	39	38	43	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	38	43	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	40		43	38		43	36	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	43		44	43		44	40		44	38		44	36	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	42	45	41	39	45	39	36
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	41	45	40	38	45	37	35	45	35	32	45	33	30	42	31	28
		8:12	33.7	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	42	46	41	39	46	39	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	44	41	47	40	38	47	37	35	47	35	32	45	33	30	42	31	28
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	44	42	48	41	39	47	39	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	44	41	48	40	38	48	37	35	48	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	45	50	44	42	49	41	39	48	39	36
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	44	41	50	40	38	50	37	35	48	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	48	45	51	44	42	50	41	39	50	39	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	51	48	52	48	46	52	44	41	52	40	38	51	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	49	54	48	45	53	44	41	52	41	39	51	39	36
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	51	54	50	48	54	48	45	54	44	41	54	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	44	42	46	41	39	45	38	37	42	36	35	40	34	33
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	45	43	47	43	41	47	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27			
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39	43	38	37	42	36	35	40	34	33
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	43	41	44	41	39	44	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	38	37	42	36	35	40	34	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	43	43	43	43	41	43	41	39	43	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27			
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		42	40		41	37	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		43	39		43	36		41	34		39	32		36	30	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		43	42		43	39		42	37	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	42		44	39		44	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	42	40	45	39	36	44	36	34	43	34	31	43	32	29
				Exposed	45	45	45	45	45	45	45	45	45	45	45	41	45	41	39	45	39	37	45	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0						
		8:12	33.7	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	43	47	42	39	46	39	36	45	36	34	44	34	31	43	32	29
				Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	45	43	47	43	40	47	41	38	47	39	37	47	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	43	48	42	39	47	39	36	46	36	34	45	34	31	43	32	29
				Exposed	48	48	48	48	48	48	48	48	46	48	45	43	48	43	40	48	41	38	48	39	37	48	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0			
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	46	49	42	39	48	39	36	47	36	34	46	34	31	43	32	29
				Exposed	50	50	50	50	50	50	50	50	49	50	48	45	50	45	43	50	43	40	50	41	38	50	39	37	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	52	46	43	51	42	39	50	39	36	49	36	34	46	34	31	43	32	29
				Exposed	52	52	52	52	52	52	52	51	49	52	48	45	52	45	43	52	43	40	52	41	38	52	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	53	50	54	50	48	53	46	43	52	42	39	51	39	36	49	36	34	46	34	31	43	32	29
				Exposed	54	54	54	54	54	52	54	51	48	54	48	45	54	45	43	54	43	40	54	41	38	54	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	43	41	46	40	38	44	37	36	41	35	34	38	33	32	36	31	30
				Exposed	47	47	47	47	47	47	47	47	46	47	45	43	47	43	41	47	41	39	46	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	40	38	43	37	36	41	35	34	38	33	32	36	31	30
				Exposed	44	44	44	44	44	44	44	44	44	44	44	43	44	43	41	44	41	39	44	39	38	44	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	42	37	36	41	35	34	38	33	32	36	31	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39	43	39	37	43	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	41		42	38		41	36		40	34	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	41		43	38		43	36		40	33		38	31		35	29		33	28				
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		43	41		42	38		41	36		41	34				
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	43		44	41		44	38		43	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	41	39	45	38	36	44	35	33	43	33	30	42	31	28	40	29	26
				Exposed	45	45	45	45	45	45	45	45	43	45	43	41	45	41	38	45	39	36	45	37	35	45	35	33	45	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	43	46	41	39	46	38	35	45	35	33	44	33	30	42	31	28	40	29	26
				Exposed	47	47	47	47	47	46	47	46	43	47	43	41	47	41	38	47	39	36	47	37	35	47	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	45	43	48	41	39	47	38	35	46	35	33	45	33	30	42	31	28	40	29	26
				Exposed	48	48	48	48	48	46	48	46	43	48	43	41	48	41	38	48	39	36	48	37	35	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	45	50	45	42	49	41	39	48	38	35	47	35	33	45	33	30	42	31	28	40	29	26
				Exposed	50	50	50	50	49	46	50	46	43	50	43	41	50	41	38	50	39	36	50	37	35	49	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	50	47	52	47	45	51	45	42	50	41	39	49	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	52	52	50	52	49	46	52	46	43	52	43	40	52	41	38	52	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	50	54	50	47	54	47	45	53	45	42	52	41	39	51	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	54	52	50	54	49	46	54	46	43	54	43	40	54	41	38	53	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	38	43	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	39	38	41	37	35	40	35	33	38	33	32
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	38	40	37	35	40	35	33	38	33	32
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40	
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	38		40	36	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	40		41	38		41	36				
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	39	36			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	37	35	42	35	32	42	33	30	42	31	28
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	39	36			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	37	35	43	35	32	43	33	30	42	31	28
		9:12	36.9	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	42	45	41	39	45	39	36		
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	41	45	40	38	45	37	35	45	35	32	44	33	30	42	31	28
		10:12	39.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	42	47	41	39	46	39	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	44	41	47	40	38	47	37	35	47	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	45	49	44	42	48	41	39	47	39	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	48	46	49	44	41	49	40	38	49	37	35	48	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	48	45	50	44	41	50	41	39	49	39	36
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	48	51	48	45	51	44	41	51	40	38	51	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	38	37	42	36	35	40	34	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39	43	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	37	40	36	35	40	34	33			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	37	40	36	35	39	34	33			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	35	34	38	33	32	42	28	27
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	37				
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	39		40	36		40	34		39	32		36	30	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	39		40	37	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	39		41	36		41	34		39	32		36	30	
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	39	36	42	36	34	41	34	31	41	32	29
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	41	39	42	39	37	42	36	33	42	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	39	43	39	36	43	36	34	42	34	31	41	32	29
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	41	38	43	39	37	43	36	33	43	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	42	39	45	39	36	44	36	34	43	34	31	42	32	29
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	43	40	45	41	38	45	39	37	45	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	43	47	42	39	46	39	36	45	36	34	44	34	31	43	32	29
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	45	43	47	43	40	47	41	38	47	39	37	47	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	46	43	48	42	39	47	39	36	47	36	34	46	34	31	43	32	29			
				Exposed	49	49	49	49	49	49	49	49	49	49	48	45	49	45	43	49	43	40	49	41	38	49	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	50	48	51	46	43	50	42	39	49	39	36	48	36	34	46	34	31	43	32	29
				Exposed	51	51	51	51	51	51	51	51	48	51	48	45	51	45	43	51	43	40	51	41	38	51	39	36	49	36	33	45	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	37	36	41	35	34	38	33	32	36	31	30			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39	43	39	38	43	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0			
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	36	40	35	34	38	33	32	36	31	30		
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	38	41	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0		
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	36	40	35	34	38	33	32	36	31	30		
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	37	40	38	36	40	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0		
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	38		39	36		39	34	
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	38		40	36		40	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		40	38		40	36		39	34	
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	38		41	35		40	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	36	42	35	33	41	33	30	40	31	28	39	29	26
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	41	38	42	39	36	42	37	35	42	35	33	42	33	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	35	43	35	33	42	33	30	41	31	28	40	29	26
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	41	38	43	39	36	43	37	35	43	35	33	43	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	41	39	44	38	35	44	35	33	43	33	30	42	31	28	40	29	26
				Exposed	45	45	45	45	45	45	45	45	43	45	43	41	45	41	38	45	39	36	45	37	35	45	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	42	47	41	39	46	38	35	45	35	33	44	33	30	42	31	28	40	29	26
				Exposed	47	47	47	47	47	46	47	46	43	47	43	41	47	41	38	47	39	36	47	37	35	47	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	47	45	49	45	42	48	41	39	47	38	35	46	35	33	45	33	30	42	31	28	39	29	26
				Exposed	49	49	49	49	49	46	49	46	43	49	43	40	49	41	38	49	39	36	49	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	47	51	47	45	51	45	42	50	41	39	49	38	35	48	35	33	45	33	30	42	31	28	39	29	26
				Exposed	51	51	50	51	49	46	51	46	43	51	43	40	51	41	38	51	39	36	51	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	39	38	41	37	36	40	35	33	38	33	32
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	33	38	33	32
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	33	38	33	32
		5:12	22.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	36	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	38		39	39		39	36				
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	36			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	40	35	32	40	33	30	40	31	28
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	36			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	37	35	41	35	32	41	33	30	41	31	28
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	37	35	43	35	32	43	33	30	42	31	28
		10:12	39.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	40	38	44	37	35	44	35	32	44	32	30	42	31	28
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	44	42	46	41	39	46	39	36			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	41	46	40	38	46	37	35	46	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	45	48	44	41	49	40	38	48	44	41			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	48	45	49	44	41	49	40	38	49	37	35	47	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	37	40	36	35	40	34	33			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	36	41	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	35	38	34	33			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	35	38	34	33			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	37	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	36		38	34		38	32		36	30			
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		38	37				
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	36		39	34		39	32		36	30			
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	36	40	36	34	39	34	31	39	32	29			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	37	40	36	33	40	33	31	40	31	28	39	29	26	37	27	24	35	26	0
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	36	41	36	34	40	34	31	40	32	29
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	41	41	41	39	41	37	41	36	33	41	33	31	41	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	39	43	39	36	42	36	34	41	34	31	41	32	29
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	41	38	43	39	37	43	36	33	43	33	31	42	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	39	44	39	36	43	36	34	43	34	31	42	32	29
				Exposed	44	44	44	44	44	44	44	44	43	44	43	41	44	41	38	44	39	36	44	37	35	44	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	42	46	41	39	45	38	35	44	35	33	44	33	30	42	31	28	39	29	26
				Exposed	46	46	46	46	46	46	46	46	43	46	43	40	46	41	38	46	39	36	46	37	34	46	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	47	45	49	45	42	48	41	39	47	38	35	46	35	33	45	33	30	42	31	28	39	29	26
				Exposed	49	49	49	49	49	46	49	46	43	49	43	40	49	41	38	49	39	36	49	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
	D	2:12	9.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	36	40	35	34	38	33	32	36	31	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	38	41	38	36	40	35	33	38	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	36	38	35	34	38	33	32	36	31	30		
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	36	38	35	34	37	33	32	36	31	30		
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	36	38	35	33	38	32	31	35	30	29	33	28	27	31	27	0	29	0	0		
		5:12	22.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		37	36		37	34	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	36		38	33		38	31		35	29		33	28	
		6:12	26.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	38		38	36		37	34	
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	38		39	35		39	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	35	33	39	33	30	39	31	28	38	29	26
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	36	40	37	35	40	35	33	40	33	30	40	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	35	41	35	33	40	33	30	39	31	28	39	29	26
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	37	35	41	35	33	41	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	35	42	35	33	41	33	30	40	31	28	40	29	26
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	41	38	43	39	36	43	37	35	43	35	33	43	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39	44	38	35	43	35	33	42	33	30	42	31	28	40	29	26
				Exposed	44	44	44	44	44	44	44	44	43	44	43	41	44	41	38	44	39	36	44	37	35	44	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	42	46	41	39	45	38	35	44	35	33	44	33	30	42	31	28	39	29	26
				Exposed	46	46	46	46	46	46	46	46	43	46	43	40	46	41	38	46	39	36	46	37	34	46	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	47	45	49	45	42	48	41	39	47	38	35	46	35	33	45	33	30	42	31	28	39	29	26
				Exposed	49	49	49	49	49	46	49	46	43	49	43	40	49	41	38	49	39	36	49	37	34	48	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	36	38	35	33	38	33	32	38	33	32
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	33	36	33	32	36	33	32
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	33	36	33	32	36	33	32
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	36	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	32	38	33	30	38	31	28
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	37	35	39	35	32	39	33	30	39	31	28
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	40	35	32	40	33	30	40	31	28
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	39	36
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	37	35	42	35	32	42	32	30	42	31	28
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39	44	39	36	44	39	36
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	40	38	44	37	35	44	35	32	44	32	30	42	30	28
		12:12	45	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	44	41	46	40	38	46	37	35
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	44	41	46	40	38	46	37	35	46	35	32	44	32	30	42	30	28
	C	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	34	38	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	33	36	34	33	36	34	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	33	32	36	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	33	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	34		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	34		36	32		36	30		36	30	
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	34		37	32		37	30		36	30	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	36	34	38	34	31	37	32	29
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	33	38	31	28	38	29	26	37	27	24	35	26	0	35	26	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	36	34	39	34	31	38	32	29
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	39	39	39	38	39	36	33	39	33	31	39	31	28	39	29	26	37	27	24	35	26	0
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	36	40	36	34	40	34	31	39	32	29
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	37	40	36	33	40	33	31	40	31	28	39	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	38	35	42	35	33	41	33	30	40	31	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	41	38	42	39	36	42	37	35	42	35	33	42	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39	44	38	35	43	35	33	42	33	30	41	31	28
				Exposed	44	44	44	44	44	44	44	44	43	44	43	40	44	41	38	44	39	36	44	37	34	44	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	45	46	41	39	45	38	35	44	35	33	43	33	30	42	31	28	39	29	26
				Exposed	46	46	46	46	46	46	46	46	43	46	43	40	46	41	38	46	39	36	46	37	34	46	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
	D	2:12	9.5	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	36	38	35	34	38	33	30	38	30	27
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	34	38	33	32	36	31	30
		3:12	14.0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	33	36	33	32	36	33	32
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33	36	32	31	35	30	29	33	28	27	31	27	0
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	34	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	33		36	31		35	29		33	28	
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		36	36	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	35		37	33		37	31		35	29		33	28	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	33	38	33	30	37	31	28	36	29	26
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	33	38	33	30	38	30	28	38	28	25	36	26	0	34	0	0	32	0	0	30	0	0	30	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	35	39	35	33	39	33	30	38	31	28	37	29	26
				Exposed	39	39	39	39	39	39	39	39	39	39	39	36	39	37	35	39	35	33	39	32	30	39	30	28	38	28	25	36	26	0	34	0	0	32	0	0	30	0	0	30	0	0
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	35	40	35	33	40	33	30	39	31	28	38	29	26
				Exposed	40	40	40	40	40	40	40	40	40	40	40	39	40	37	35	40	35	33	40	32	30	40	30	28	38	28	25	36	26	0	34	0	0	32	0	0	30	0	0	30	0	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	35	42	35	33	41	33	30	40	31	28	39	29	26
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	41	38	42	39	36	42	37	35	42	35	33	42	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	41	39	44	38	35	43	35	33	42	33	30	41	31	28	39	29	26
				Exposed	44	44	44	44	44	44	44	44	43	44	43	40	44	41	38	44	39	36	44	37	34	44	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	45	46	41	39	45	38	35	44	35	33	43	33	30	42	31	28	39	29	26
				Exposed	46	46	46	46	46	46	46	46	43	46	43	40	46	41	38	46	39	36	46	37	34	46	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
50	B	2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33	37	33	32
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	32	34	33	32
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	32	34	33	32
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
		6:12	26.6	Non-Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35	
				Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35	
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	32	36	33	30	36	31	28
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	32	37	33	30	37	31	28
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	32	38	33	30	38	31	28
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	40	35	32	40	32	30	40	31	28
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	39	36	42	36	34	41	34	31
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	38	42	39	36	42	36	33	42	33	31
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	39
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	38	44	39	36	44	36	33	44	33	31
	C	2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	35
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	32	34	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	32	34	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	32		34	30				
		6:12	26.6	Non-Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35	
				Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	34		35	32		35	30						
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	31	36	32	29			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	31	28	36	29	26	36	27	24	35	26	0			
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	31			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	31	37	29	26	37	27	24			
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	36	34	38	34	31			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	33	38	33	31	38	31	28	38	29	26			
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	35	40	35	33	39	33	30	39	31	28			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	36	40	37	35	40	35	33	40	32	30	40	30	28	38	28	25	36	26	0	34	0	0			
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	35	41	35	33	41	33	30	40	31	28			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	38	42	38	35	42	33	31	42	31	28	39	29	26			
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	39	44	39	36	43	36	34	43	34	31			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	43	40	44	41	38	44	39	36	44	36	33	44	33	31	42	31	28	39	29	26	37	27	24			
	D	2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	32	36	31	30
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33	37	32	31	35	30	29	33	29	27	31	27	0	29	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	32	34	31	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	30	29	33	28	27	31	27	0	29	0	0
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	32	34	31	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	30	29	33	28	27	31	27	0	29	0	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	31		34	29		33	28				
		6:12	26.6	Non-Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	34						
				Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	33		35	31		35	29		33	28						
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	33	30	36	30	28	36	28	25	36	26	0			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	33	30	36	30	28	36	28	25	36	26	0	34	0	0			
		8:12	33.7	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	33	30	37	31	28			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	35	33	37	32	30	37	30	28	37	28	25	36	26	0	34	0	0			
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	35	33	38	33	30	38	31	28			
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	35	38	35	33	38	32	30	38	30	28	38	28	25	36	26	0	34	0	0			
		10:12	39.8	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	35	40	35	33	39	33	30	39	31	28			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	36	40	37	35	40	35	33	40	32	30	40	30	28	38	28	25	36	26	0	34	0	0			
		11:12	42.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	35	41	35	33	41	33	30	40	31	28			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	40	42	41	38	42	39	36	42	37	34	42	35	33	42	32	30	41	30	28	38	28	25	36	26	0	34	0	0			
		12:12	45	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	39	44	38	35	43	35	33	42	33	30	41	31	28			
				Exposed	44	44	44	44	44	44	44	44	43	44	43	40	44	41	38	44	39	36	44	37	34	44	35	33	44	32	30	41	30	28	38	28	25	36	26	0	34	0	0			

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	32	35	33	32
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	32
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		5:12	22.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
		6:12	26.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	33	30	35	31	28
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	32	37	33	30	37	31	28
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	32	38	32	30	38	31	28
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	36	40	36	34
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	35	40	38	35	40	37	35	40	35	32	40	32	30	40	32	30
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	36
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	37	35	40	35	32	40	32	30	40	30	28
	C	2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	33	32	35	31	30	34	29	28	32	28	27	32	28	27
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	30	33	29	28	32	28	27
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	30	32	29	28	32	28	27
		5:12	22.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	32		33	30		33	30	
		6:12	26.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	32		33	30		33	30	
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	29
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	31	34	31	28	34	29	26	34	27	24	34	26	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	31
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	31	35	31	28	35	29	26	35	27	24
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	33	37	33	31	37	31	28	37	29	26	37	27	24	35	26	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	33	38	33	31	38	31	28	38	29	26	37	27	24	35	25	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	36	40	36	34	40	34	31	39	32	29
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	36	40	36	33	40	33	31	40	31	28	39	29	26	37	27	24	35	25	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	39	36	42	36	34	41	34	31	41	32	29
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	41	38	42	39	36	42	36	33	42	33	31	42	31	28	39	29	26	37	27	24	35	25	0
	D	2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	32	35	31	30	35	30	28	34	30	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	31	35	30	29	33	29	27	31	27	0	29	0	0	29	0	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29	33	28	27	31	27	0	29	0	0	29	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	28	27	31	27	0	29	0	0	29	0	0
		5:12	22.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	31		33	29		33	28	
		6:12	26.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	31		33	29		33	28	
		7:12	30.3	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	30	34	31	28	34	29	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	30	34	30	28	34	28	25	34	26	0	34	0	0	32	0	0
		8:12	33.7	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	31	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	30	35	30	28	35	28	25	35	26	0	34	0	0	32	0	0
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	33	30	36	31	28	36	29	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	37	35	37	33	30	37	30	28	37	28	25	36	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	35	33	38	33	30	38	31	28	37	29	26
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	35	38	35	33	38	32	30	38	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	35	40	35	33	40	33	30	39	31	28	38	30	26
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	36	40	37	34	40	35	33	40	32	30	40	30	28	38	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	35	42	35	33	41	33	30	40	31	28	39	29	26
				Exposed	42	42	42	42	42	42	42	42	42	42	42	40	42	41	38	42	39	36	42	37	34	42	35	33	42	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
60	B	2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		5:12	22.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	33	30	35	31	28
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	36	37	32	29
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	35	37	32	30	37	31	28	37	31	28
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	38	39	32	29
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	36	39	32	29
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	36
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	35	41	35	32	41	32	30	41	30	28
	C	2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	31	30	33	29	28	32	28	27	32	28	27
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	28	31	28	27	31	28	27
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	28	31	28	27	31	28	27
		5:12	22.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	30	
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	30	
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	29
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	28	33	29	26	33	27	24	33	26	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	29
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	31	28	34	29	26	34	27	24	34	26	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	31
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	31	28	35	29	26	35	27	24
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	32
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	33	31	37	31	28	37	29	26	37	27	24
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	34
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	34	39	34	31	38	32	29	38	31	28
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
	D	2:12	9.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	32	33	33	30
		3:12	14.0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
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		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	28	31	28	27	31	28	27
		5:12	22.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	29	
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		32	29		32	28	
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	30	28	33	28	25	33	26	0	33	0	0	32	0	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	30	34	31	28	34	29	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	30	34	30	28	34	28	25	34	26	0	34	0	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	30	35	31	28	35	29	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	30	28	35	28	25	35	26	0	34	0	0	32	0	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	33	30	37	31	28	36	29	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	35	33	37	32	30	37	30	28	37	28	25	36	26	0	34	0	0	32	0	0			
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	35	39	35	33	38	33	30	38	31	28	37	29	26			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	37	34	39	35	33	39	32	30	39	30	28	38	28	25	36	26	0	34	0	0	32	0	0			
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	35	41	35	33	40	33	30	39	31	28	39	29	26			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	39	36	41	37	34	41	35	33	41	32	30	41	30	28	38	28	25	36	26	0	34	0	0	32	0	0		

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	31	28
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	31	28
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	32	36	32	30	36	30	28
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	35	32	38	32	30	38	30	28
	C	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	28	31	28	27	31	28	27
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27	29	28	27
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27	29	28	27
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	24
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	29
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	31	34	31	28
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	29
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	33	31	36	31	28
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	38	34	31	38	32	29
	D	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	27	31	27	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	27	29	27	0	29	0	0
		4:12	18.4	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	27	29	27	0	29	0	0
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	28				
		6:12	26.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30				
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	29		30	28				
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	25	30	26	0	30	0	0	30	0	0
		8:12	33.7	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	28	32	29
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	28	32	28	25	32	26	0	32	0	0	32	0	0
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	31	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	28	33	28	25	33	26	0	33	0	0	33	0	0
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	34	28	25	34	26	0	34	0	0	32	0	0
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	33	36	33	30	36	31	28	35	29	26
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	33	36	32	30	36	30	28	36	28	25	36	26	0	34	0	0	32	0	0
		12:12	45	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	35	33	38	33	30	37	31	28	37	29	26
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	34	38	35	33	38	32	30	38	30	28	38	28	25	36	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
80	B	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		6:12	26.6	Non-Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
				Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
		12:12	45	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35
	C	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
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		6:12	26.6	Non-Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
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		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
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		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
		12:12	45	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
	D	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		6:12	26.6	Non-Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
				Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25	28	26	0	28	0	0	28	0	0
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26		
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	25	30	26	0	30	0	0	30	0	0		
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26		
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	28	25	31	26	0	31	0	0	31	0	0		
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26		
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	30	28	32	28	25	32	26	0	32	0	0		
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	28	34	29		
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	30	28	34	28	25	34	26	0	34	0	0		
		12:12	45	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33	36	33	30	36	31	28		
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	33	36	32	30	36	30	28	36	28	25	36	26	0	34	0	0	32	0	0	

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		5:12	22.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		6:12	26.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		9:12	36.9	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	30	28
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	30	28
	C	2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		5:12	22.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		6:12	26.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	24
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		9:12	36.9	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	24	29	26	0	
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	29	26	31	27	24	31	25	0	
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	31	28	32	29	26	32	27	24	32	25	0
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	29
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	29	34	27	24	34	25	0			
	D	2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	0
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	0
		5:12	22.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		6:12	26.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	26	0	27	0	0	27	0	0	
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25	28	26	0	28	0	0	28	0	0	
		9:12	36.9	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	29	26	29	29	26	
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	25	29	26	0	29	0	0	29	0	0	
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	29	26	
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	25	31	26	0	31	0	0	31	0	0	
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	28	25	32	26	0	32	0	0	32	0	0
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	30	34	30	28	34	28	25	34	26	0	34	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
100	B	2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
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	C	2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
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	D	2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	26
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	25	29	26	0	29	0	0	29	0	0
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	25	31	26	0	31	0	0	31	0	0
		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	26
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	30	28	32	28	25	32	26	0	32	0	0	32	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		6:12	26.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		11:12	42.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	29	29	29	28
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		6:12	26.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		11:12	42.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29
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	D	2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
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		11:12	42.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	26
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		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	25	31	26	0	31	0	0	31	0	0
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Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 68 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
120	B	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		6:12	26.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
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		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
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	C	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22	
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		6:12	26.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	24	27	25	0	27	27	24	27	25	0
		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	24	28	25	0
		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	24	30	25	0
	D	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0
		5:12	22.6	Non-Exposed	22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22	
				Exposed	22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22	
		6:12	26.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0
		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	0	0	25	0	0
		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	26	0	27	0	0	27	0	0
		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25	28	26	0	28	0	0	28	0	0
		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	25	30	26	0	30	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	74	74	74	74	74	73	74	74	68	74	74	64	74	74	60	74	69	57	74	66	54	74	63	51	69	57	47	63	52	43	58	48	39	54	45	37	50	42	34	47	39	32
				Exposed	74	72	59	74	68	55	74	63	52	73	60	49	69	56	46	65	53	44	62	51	42	59	48	40	53	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	74	74	74	74	74	72	74	74	68	74	74	64	74	73	60	74	69	57	74	65	54	74	62	51	69	57	47	63	52	43	58	48	39	54	45	36	50	42	34	47	39	32
				Exposed	74	72	59	74	67	55	74	63	52	73	59	49	68	56	46	65	53	44	61	51	42	58	48	40	53	44	36	49	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	74	74	74	74	74	69	74	73	64	74	68	60	74	64	57	72	60	53	68	57	51	65	54	48	60	49	44	55	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	74	63	56	70	59	52	66	55	49	62	52	46	59	49	43	56	46	41	54	44	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	74	74	73	74	74	68	74	72	64	74	68	60	74	64	56	71	60	53	68	57	50	65	54	48	59	49	43	55	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	74	63	55	70	58	52	66	55	49	62	51	46	59	48	43	56	46	41	53	43	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	73	73	73	73	73	68	73	72	63	73	67	60	73	63	56	71	60	53	67	56	50	64	54	48	59	49	43	55	44	40	51	41	36	47	38	34	44	35	32	42	33	30
				Exposed	73	62	55	69	58	52	65	54	48	62	51	46	59	48	43	56	46	41	53	43	39	51	41	37	47	37	34	43	34	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	72	72	72	72	72	72	72	72	72	72	72	69	72	71	65	72	67	61	72	63	58	72	60	55	70	54	49	64	50	45	60	46	41	56	42	38	52	39	36	49	37	33
				Exposed	72	69	64	72	65	59	72	61	55	72	57	52	69	54	49	66	51	46	63	48	44	60	46	42	55	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
	B	6:12	26.6	Non-Exposed	71	71	71	71	71	71	71	71	71	71	71	68	71	70	64	71	66	61	71	63	57	71	60	54	69	54	49	64	50	45	59	46	41	55	42	38	52	39	36	49	37	33
				Exposed	71	69	63	71	64	59	71	60	55	71	57	52	69	54	49	65	51	46	62	48	44	60	46	42	55	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	70	70	65	70	70	62	70	67	59	68	62	54	62	57	49	57	52	45	53	48	42	49	45	39	45	42	37
				Exposed	70	70	68	70	70	64	70	68	60	70	65	56	67	61	53	64	58	51	61	55	48	57	52	46	52	48	42	48	44	38	44	41	35	40	38	33	38	35	31	35	33	29
		8:12	33.7	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	68	70	70	65	70	70	62	70	67	59	67	61	54	62	56	49	57	52	45	52	48	42	49	45	39	45	42	37
				Exposed	70	70	67	70	70	63	70	67	60	70	64	56	67	61	53	63	58	50	60	55	48	57	52	46	52	48	42	47	44	38	44	40	35	40	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	67	69	69	64	69	69	61	69	66	58	66	61	53	61	56	49	57	52	45	52	48	42	49	45	39	45	42	37
				Exposed	69	69	66	69	69	63	69	67	59	69	63	56	66	60	53	63	58	50	60	55	48	57	52	46	52	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	67	69	69	67	69	69	64	69	68	61	69	66	58	66	60	53	61	56	49	56	52	45	52	48	42	48	45	39	45	42	37
				Exposed	69	69	66	69	69	62	69	66	59	69	63	56	65	60	53	62	57	50	59	55	48	57	52	45	52	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	68	63	68	68	60	68	65	58	65	60	53	60	55	49	56	52	45	52	48	42	48	45	39	45	42	36
				Exposed	68	68	65	68	68	62	68	66	59	68	63	56	65	60	53	62	57	50	59	54	48	56	52	45	51	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	66	68	68	63	68	67	60	68	65	58	65	60	53	60	55	49	56	51	45	52	48	42	48	45	39	45	42	36
				Exposed	68	68	65	68	68	61	68	65	58	68	62	55	64	59	53	61	57	50	59	54	48	56	52	45	51	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
		Flat	0	Non-Exposed	74	74	62	74	71	58	74	66	54	74	62	51	72	59	48	68	56	46	64	53	43	61	50	41	56	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	71	58	48	66	54	45	62	51	42	58	48	40	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	74	74	62	74	70	58	74	66	54	74	62	51	72	59	48	68	56	46	64	53	43	61	50	41	55	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	70	58	47	66	54	44	62	51	42	58	48	39	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	74	66	58	74	61	54	69	57	51	65	54	48	62	51	45	59	48	43	56	46	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	61	50	44	57	47	42	54	44	39	51	41	37	49	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	74	66	58	73	61	54	68	57	51	65	54	48	61	51	45	58	48	43	56	45	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	60	50	44	57	47	41	54	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	73	65	58	72	61	54	68	57	51	64	53	48	61	50	45	58	48	42	55	45	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	34	28	25
				Exposed	60	50	44	57	46	41	54	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	72	72	67	72	68	62	72	64	58	72	60	55	72	56	51	68	53	48	65	51	46	62	48	44	57	44	40	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	71	56	51	67	52	47	63	49	44	60	46	42	57	43	39	54	41	37	52	39	35	49	37	34	45	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
0	C	6:12	26.6	Non-Exposed	71	71	66	71	67	62	71	63	58	71	59	54	71	56	51	68	53	48	65	50	46	62	48	44	57	44	39	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	70	55	50	66	52	47	63	49	44	59	46	42	57	43	39	54	41	37	51	39	35	49	37	34	45	34	31	42	32	28	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	70	70	70	70	70	66	70	70	63	70	67	59	70	64	56	66	61	53	63	57	50	60	55	48	54	50	44	50	46	40	46	42	37	42	39	34	39	37	32	37	34	30
				Exposed	69	63	55	65	59	51	61	55	48	57	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	70	70	70	70	70	66	70	70	62	70	66	59	69	63	56	66	60	53	63	57	50	60	55	48	54	50	43	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30
				Exposed	68	62	55	64	59	51	61	55	48	57	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	69	69	69	69	69	65	69	69	62	69	66	58	69	63	55	65	60	52	62	57	50	59	54	48	54	50	43	49	46	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	68	62	55	64	58	51	60	55	48	57	52	45	54	49	43	51	47	41	48	44	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	69	69	68	69	69	65	69	69	61	69	65	58	68	62	55	65	59	52	62	57	50	59	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	67	61	54	63	58	51	60	55	48	56	52	45	53	49	43	51	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	68	68	68	68	68	64	68	68	61	68	65	58	67	62	55	64	59	52	61	56	50	59	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	67	61	54	63	58	51	59	55	48	56	52	45	53	49	43	50	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	68	68	67	68	68	64	68	68	60	68	65	57	67	62	55	64	59	52	61	56	50	58	54	47	53	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	66	61	54	62	57	51	59	54	48	56	52	45	53	49	43	50	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		Flat	0	Non-Exposed	74	68	55	74	63	52	73	59	49	68	56	46	64	53	43	61	50	41	58	48	39	55	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	63	52	43	59	49	40	56	46	38	53	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	74	67	55	74	63	52	72	59	49	68	56	46	64	53	43	61	50	41	58	48	39	55	45	37	50	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	63	52	43	59	49	40	56	46	38	52	43	36	50	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	70	59	52	66	55	49	62	51	46	59	48	43	56	45	40	53	43	38	51	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	55	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	70	58	52	65	55	48	62	51	45	58	48	43	56	45	40	53	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	55	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	69	58	52	65	54	48	61	51	45	58	48	43	55	45	40	53	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	55	45	40	51	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	72	65	59	72	61	55	72	57	52	69	54	49	65	51	46	62	48	43	59	45	41	56	43	39	52	39	35	48	36	33	45	34	30	42	32	28	39	30	26	37	28	25
				Exposed	64	50	45	61	47	42	57	44	40	54	41	37	52	39	35	49	37	34	47	35	32	45	34	31	41	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
	D	6:12	26.6	Non-Exposed	71	65	59	71	60	55	71	57	52	68	53	49	65	50	46	62	48	43	59	45	41	56	43	39	52	39	35	48	36	33	44	34	30	42	32	28	39	30	26	37	28	25
				Exposed	64	50	45	60	46	42	57	44	40	54	41	37	51	39	35	49	37	33	47	35	32	45	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	70	70	64	70	68	60	70	64	56	67	61	53	63	57	50	60	54	48	57	52	45	54	49	43	49	45	39	45	41	36	41	38	33	38	35	31	35	33	29	33	32	28
				Exposed	62	57	49	58	53	46	55	50	44	51	47	41	48	45	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	70	70	63	70	67	60	70	64	56	66	60	53	63	57	50	59	54	47	56	52	45	54	49	43	49	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	62	56	49	58	53	46	54	50	43	51	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	69	69	63	69	67	59	69	63	56	65	60	53	62	57	50	59	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	61	56	49	58	53	46	54	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	69	69	62	69	66	59	68	63	56	65	60	53	62	57	50	59	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	61	56	49	57	53	46	54	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	68	68	62	68	66	58	68	62	55	64	59	52	61	56	50	58	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	56	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	68	68	61	68	65	58	67	62	55	64	59	52	61	56	49	58	54	47	55	51	45	53	49	43	48	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	55	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	Flat	0	Non-Exposed	73	73	73	73	73	73	73	73	68	73	73	64	73	73	60	73	69	57	73	66	54	73	63	51	69	57	47	63	52	43	58	48	39	54	45	37	50	42	34	47	39	32
				Exposed	73	72	59	73	68	55	73	63	52	73	60	49	69	56	46	65	53	44	62	51	42	59	48	40	53	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	72	72	72	72	72	72	72	72	68	72	72	64	72	72	60	72	69	57	72	65	54	72	62	51	69	57	47	63	52	43	58	48	39	54	45	36	50	42	34	47	39	32
				Exposed	72	72	59	72	67	55	72	63	52	72	59	49	68	56	46	65	53	44	61	51	42	58	48	40	53	44	36	49	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	64	68	68	60	68	64	57	68	60	53	68	57	51	65	54	48	60	49	44	55	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	68	63	56	68	59	52	66	55	49	62	52	46	59	49	43	56	46	41	54	44	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	66	66	66	66	66	66	66	66	64	66	66	60	66	64	56	66	60	53	66	57	50	65	54	48	59	49	43	55	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	66	63	55	66	58	52	66	55	49	62	51	46	59	48	43	56	46	41	53	43	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	67	67	67	67	67	67	67	67	63	67	67	60	67	63	56	67	60	53	67	56	50	64	54	48	59	49	43	55	44	40	51	41	36	47	38	34	44	35	32	42	33	30
				Exposed	67	62	55	67	58	52	65	54	48	62	51	46	59	48	43	56	46	41	53	43	39	51	41	37	47	37	34	43	34	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	61	66	63	58	66	60	55	66	54	49	64	50	45	60	46	41	56	42	38	52	39	36	49	37	33
				Exposed	66	66	64	66	65	59	66	61	55	66	57	52	66	54	49	66	51	46	63	48	44	60	46	42	55	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		6:12	26.6	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	64	66	66	61	66	63	57	66	60	54	66	54	49	64	50	45	59	46	41	55	42	38	52	39	36	49	37	33			
				Exposed	66	66	63	66	64	59	66	60	55	66	57	52	66	54	49	65	51	46	62	48	44	60	46	42	55	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	62	66	66	59	66	62	54	62	57	49	57	52	45	53	48	42	49	45	39	45	42	37
				Exposed	66	66	66	66	66	64	66	66	60	66	65	56	66	61	53	64	58	51	61	55	48	57	52	46	52	48	42	48	44	38	44	41	35	40	38	33	38	35	31	35	33	29
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	62	66	66	59	66	61	54	62	56	49	57	52	45	52	48	42	49	45	39	45	42	37
				Exposed	66	66	66	66	66	63	66	66	60	66	64	56	66	61	53	63	58	50	60	55	48	57	52	46	52	48	42	47	44	38	44	40	35	40	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	66	61	66	66	58	66	61	53	61	56	49	57	52	45	52	48	42	49	45	39	45	42	37
				Exposed	66	66	66	66	66	63	66	66	59	66	63	56	66	60	53	63	58	50	60	55	48	57	52	46	52	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	64	66	66	61	66	66	58	66	60	53	61	56	49	56	52	45	52	48	42	48	45	39	45	42	37
				Exposed	66	66	66	66	66	62	66	66	59	66	63	56	65	60	53	62	57	50	59	55	48	57	52	46	52	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	67	63	67	67	60	67	65	58	65	60	53	60	56	49	56	52	45	52	48	42	48	45	39	45	42	37
				Exposed	67	67	65	67	67	62	67	66	59	67	63	56	65	60	53	62	57	50	59	54	48	56	52	45	51	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	66	67	67	63	67	67	60	67	65	58	65	60	53	60	55	49	56	51	45	52	48	42	48	45	39	45	42	36
				Exposed	67	67	65	67	67	61	67	65	58	67	62	55	64	59	53	61	57	50	59	54	48	56	52	45	51	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	73	73	62	73	71	58	73	66	54	73	62	51	72	59	48	68	56	46	64	53	43	61	50	41	56	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	71	58	48	66	54	45	62	51	42	58	48	40	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	72	72	62	72	70	58	72	66	54	72	62	51	72	59	48	68	56	46	64	53	43	61	50	41	55	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	70	58	47	66	54	44	62	51	42	58	48	39	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	68	66	58	68	61	54	68	57	51	65	54	48	62	51	45	59	48	43	56	46	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	61	50	44	57	47	42	54	44	39	51	41	37	49	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	66	66	58	66	61	54	66	57	51	65	54	48	61	51	45	58	48	43	56	45	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	60	50	44	57	47	41	54	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	67	65	58	67	61	54	67	57	51	64	53	48	61	50	45	58	48	42	55	45	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	34	28	25
				Exposed	60	50	44	57	46	41	54	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	66	66	66	66	66	62	66	64	58	66	60	55	66	56	51	66	53	48	65	51	46	62	48	44	57	44	40	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	66	56	51	66	52	47	63	49	44	60	46	42	57	43	39	54	41	37	52	39	35	49	37	34	45	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	66	66	66	66	66	62	66	63	58	66	59	54	66	56	51	66	53	48	65	50	46	62	48	44	57	44	39	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	66	55	50	66	52	47	63	49	44	59	46	42	57	43	39	54	41	37	51	39	35	49	37	34	45	34	31	42	32	28	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	63	66	66	59	66	64	56	66	61	53	63	57	50	60	55	48	54	50	44	50	46	40	46	42	37	42	39	34	39	36	32	37	34	30
				Exposed	66	63	55	65	59	51	61	55	48	57	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	62	66	66	59	66	63	56	66	60	53	63	57	50	60	55	48	54	50	43	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30
				Exposed	66	62	55	64	59	51	61	55	48	57	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	66	66	66	66	66	65	66	66	62	66	66	58	66	63	55	65	60	52	62	57	50	59	54	48	54	50	43	49	46	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	66	62	55	64	58	51	60	55	48	57	52	45	54	49	43	51	47	41	48	44	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	65	66	66	61	66	65	58	66	62	55	65	59	52	62	57	50	59	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	66	61	54	63	58	51	60	55	48	56	52	45	53	49	43	51	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	67	67	67	67	67	64	67	67	61	67	65	58	67	62	55	64	59	52	61	56	50	59	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	67	61	54	63	58	51	59	55	48	56	52	45	53	49	43	50	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	67	67	67	67	67	64	67	67	60	67	65	57	67	62	55	64	59	52	61	56	50	58	54	47	53	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	66	61	54	62	57	51	59	54	48	56	52	45	53	49	43	50	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	73	68	55	73	63	52	73	59	49	68	56	46	64	53	43	61	50	41	58	48	39	55	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	63	52	43	59	49	40	56	46	38	53	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	72	67	55	72	63	52	72	59	49	68	56	46	64	53	43	61	50	41	58	48	39	55	45	37	50	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	63	52	43	59	49	40	56	46	38	52	43	36	50	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	68	59	52	66	55	49	62	51	46	59	48	43	56	45	40	53	43	38	51	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	55	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	66	58	52	65	55	48	62	51	45	58	48	43	56	45	40	53	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	55	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	67	58	52	65	54	48	61	51	45	58	48	43	55	45	40	53	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	55	45	40	51	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	66	65	59	66	61	55	66	57	52	66	54	49	65	51	46	62	48	43	59	45	41	56	43	39	52	39	35	48	36	33	45	34	30	42	32	28	39	30	26	37	28	25
				Exposed	64	50	45	61	47	42	57	44	40	54	41	37	52	39	35	49	37	34	47	35	32	45	34	31	41	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	66	65	59	66	60	55	66	57	52	66	53	49	65	50	46	62	48	43	59	45	41	56	43	39	52	39	35	48	36	33	44	34	30	42	32	28	39	30	26	37	28	25
				Exposed	64	50	45	60	46	42	57	44	40	54	41	37	51	39	35	49	37	33	47	35	32	45	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	66	66	64	66	66	60	66	64	56	66	61	53	63	57	50	60	54	48	57	52	45	54	49	43	49	45	39	45	41	36	41	38	33	38	35	31	35	33	29	33	32	28
				Exposed	62	57	49	58	53	46	55	50	44	51	47	41	48	45	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	66	66	63	66	66	60	66	64	56	66	60	53	63	57	50	59	54	47	56	52	45	54	49	43	49	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	62	56	49	58	53	46	54	50	43	51	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	66	66	63	66	66	59	66	63	56	65	60	53	62	57	50	59	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	61	56	49	58	53	46	54	50	43	51	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	66	66	62	66	66	59	66	63	56	65	60	53	62	57	50	59	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	61	56	49	57	53	46	54	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	67	67	62	67	66	58	67	62	55	64	59	52	61	56	50	58	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	56	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	67	67	61	67	65	58	67	62	55	64	59	52	61	56	49	58	54	47	55	51	45	53	49	43	48	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	55	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	Flat	0	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	60	64	64	57	64	64	54	64	63	51	64	57	47	63	52	43	58	48	39	54	45	37	50	42	34	47	39	32
				Exposed	64	64	59	64	64	55	64	63	52	64	60	49	64	56	46	64	53	44	62	51	42	59	48	40	53	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	57	62	62	54	62	62	51	62	57	47	62	52	43	58	48	39	54	45	36	50	42	34	47	39	32
				Exposed	62	62	59	62	62	55	62	62	52	62	59	49	62	56	46	62	53	44	61	51	42	58	48	40	53	44	36	49	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	57	59	59	53	59	57	51	59	54	48	59	49	44	55	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	59	59	56	59	59	52	59	55	49	59	52	46	59	49	43	56	46	41	54	44	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	57	50	57	54	48	57	49	43	55	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	57	57	55	57	57	52	57	55	49	57	51	46	57	48	43	56	46	41	53	43	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	53	58	56	50	58	54	48	58	49	43	55	44	40	51	41	36	47	38	34	44	35	32	42	33	30
				Exposed	58	58	55	58	58	52	58	54	48	58	51	46	58	48	43	56	46	41	53	43	39	51	41	37	47	37	34	43	34	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	55	58	54	49	58	50	45	58	46	41	56	42	38	52	39	36	49	37	33
				Exposed	58	58	58	58	58	58	58	58	55	58	57	52	58	54	49	58	51	46	58	48	44	58	46	42	55	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		6:12	26.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	54	58	54	49	58	50	45	58	46	41	55	42	38	52	39	36	49	37	33
				Exposed	58	58	58	58	58	58	58	58	55	58	57	52	58	54	49	58	51	46	58	48	44	58	46	42	55	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	54	58	57	49	57	52	45	53	48	42	49	45	39	45	42	37			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	56	58	58	53	58	58	51	58	55	48	57	52	46	52	48	42	48	44	38	44	41	35	40	38	33	38	35	31	35	33	29
		8:12	33.7	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	54	59	56	49	57	52	45	52	48	42	49	45	39	45	42	37
				Exposed	59	59	59	59	59	59	59	59	56	59	59	53	59	59	53	59	58	50	59	55	48	57	52	46	52	48	42	47	44	38	44	40	35	40	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	53	59	56	49	57	52	45	52	48	42	49	45	39	45	42	37
				Exposed	60	60	60	60	60	60	60	60	59	60	60	56	60	60	53	60	58	50	60	55	48	57	52	46	52	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	53	60	56	49	56	52	45	52	48	42	48	45	39	45	42	37
				Exposed	60	60	60	60	60	60	60	60	59	60	60	56	60	60	53	60	57	50	59	55	48	57	52	46	52	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	61	58	61	60	53	60	56	49	56	52	45	52	48	42	48	45	39	45	42	37
				Exposed	61	61	61	61	61	61	61	61	59	61	61	56	61	60	53	61	57	50	59	54	48	56	52	45	51	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	62	62	58	62	60	53	60	55	49	56	51	45	52	48	42	48	45	39	45	42	36
				Exposed	62	62	62	62	62	61	62	62	58	62	62	55	62	59	53	61	57	50	59	54	48	56	52	45	51	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	64	64	62	64	64	58	64	64	54	64	62	51	64	59	48	64	56	46	64	53	43	61	50	41	56	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	64	58	48	64	54	45	62	51	42	58	48	40	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	62	62	62	62	62	58	62	62	54	62	62	51	62	59	48	62	56	46	62	53	43	61	50	41	55	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	62	58	47	62	54	44	62	51	42	58	48	39	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	59	59	58	59	59	54	59	57	51	59	54	48	59	51	45	59	48	43	56	46	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	59	50	44	57	47	42	54	44	39	51	41	37	49	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	54	57	57	51	57	54	48	57	51	45	57	48	43	56	45	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	57	50	44	57	47	41	54	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	54	58	57	51	58	53	48	58	50	45	58	48	42	55	45	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	34	28	25
				Exposed	58	50	44	57	46	41	54	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	56	51	58	53	48	58	51	46	58	48	44	57	44	40	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	58	56	51	58	52	47	58	49	44	58	46	42	57	43	39	54	41	37	52	39	35	49	37	34	45	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	54	58	56	51	58	53	48	58	50	46	58	48	44	57	44	39	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	58	55	50	58	52	47	58	49	44	58	46	42	57	43	39	54	41	37	52	39	35	49	37	34	45	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	56	58	58	53	58	57	50	57	55	48	54	50	44	50	46	40	46	42	37	42	39	34	39	37	32	37	34	30
				Exposed	58	58	55	58	58	51	58	55	48	57	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		8:12	33.7	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	53	59	57	50	58	55	48	54	50	43	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30
				Exposed	59	59	55	59	59	51	59	55	48	57	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	60	52	60	57	50	59	54	48	54	50	43	49	46	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	60	60	55	60	58	51	60	55	48	57	52	45	54	49	43	51	47	41	48	44	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	59	52	60	57	50	59	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	60	60	54	60	58	51	60	55	48	56	52	45	53	49	43	51	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	58	61	61	55	61	59	52	61	56	50	59	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	61	61	54	61	58	51	59	55	48	56	52	45	53	49	43	50	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	62	62	62	62	62	62	62	62	60	62	62	57	62	62	55	62	59	52	61	56	50	58	54	47	53	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	62	61	54	62	57	51	59	54	48	56	52	45	53	49	43	50	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	64	64	55	64	63	52	64	59	49	64	56	46	64	53	43	61	50	41	58	48	39	55	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	63	52	43	59	49	40	56	46	38	53	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	62	62	55	62	62	52	62	59	49	62	56	46	62	53	43	61	50	41	58	48	39	55	45	37	50	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	62	52	43	59	49	40	56	46	38	52	43	36	50	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	59	59	52	59	55	49	59	51	46	59	48	43	56	45	40	53	43	38	51	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	55	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	57	57	52	57	55	48	57	51	45	57	48	43	56	45	40	53	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	55	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	58	58	52	58	54	48	58	51	45	58	48	43	55	45	40	53	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	55	45	40	51	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	58	58	58	58	58	55	58	57	52	58	54	49	58	51	46	58	48	43	58	45	41	56	43	39	52	39	35	48	36	33	45	34	30	42	32	28	39	30	26	37	28	25
				Exposed	58	50	45	58	47	42	57	44	40	54	41	37	52	39	35	49	37	34	47	35	32	45	34	31	41	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	58	58	58	58	58	55	58	57	52	58	53	49	58	50	46	58	48	43	58	45	41	56	43	39	52	39	35	48	36	33	44	34	30	42	32	28	39	30	26	37	28	25
				Exposed	58	50	45	58	46	42	57	44	40	54	41	37	51	39	35	49	37	33	47	35	32	45	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	56	58	58	53	58	57	50	57	54	48	56	52	45	54	49	43	49	45	39	45	41	36	41	38	33	38	35	31	35	33	29	33	32	28
				Exposed	58	57	49	58	53	46	55	50	44	51	47	41	48	45	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	59	59	59	59	59	59	59	59	56	59	59	53	59	57	50	58	54	47	56	52	45	54	49	43	49	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	59	56	49	58	53	46	54	50	43	51	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	60	60	60	60	60	59	60	60	56	60	60	53	60	57	50	59	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	56	49	58	53	46	54	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	60	60	60	60	60	59	60	60	56	60	60	53	60	57	50	59	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	56	49	57	53	46	54	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	58	61	61	55	61	59	52	61	56	50	58	54	47	56	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	56	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	62	62	61	62	62	58	62	62	55	62	59	52	61	56	49	58	54	47	55	51	45	53	49	43	48	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	60	55	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	Flat	0	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	57	58	58	54	58	58	51	58	57	47	58	52	43	58	48	39	54	45	37	50	42	34	47	39	32
				Exposed	58	58	58	58	58	55	58	58	52	58	58	49	58	56	46	58	53	44	58	51	42	58	48	40	53	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	56	56	51	56	56	47	56	52	43	56	48	39	54	45	36	50	42	34	47	39	32			
				Exposed	56	56	56	56	56	55	56	56	52	56	56	49	56	56	46	56	53	44	56	51	42	56	48	40	53	44	36	49	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	49	44	53	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	53	53	53	53	53	52	53	53	49	53	52	46	53	49	43	53	46	41	53	44	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	49	43	51	45	40	51	41	37	47	38	34	44	35	32	42	33	30
				Exposed	51	51	51	51	51	51	51	51	49	51	51	46	51	48	43	51	46	41	51	43	39	51	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	49	43	52	44	40	51	41	36	47	38	34	44	35	32	42	33	30
				Exposed	52	52	52	52	52	52	52	52	48	52	51	46	52	48	43	52	46	41	52	43	39	51	41	37	47	37	34	43	34	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	50	45	52	46	41	52	42	38	52	39	36	49	37	33			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	51	46	52	48	44	52	46	42	52	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	53	50	45	53	46	41	53	42	38	52	39	36	49	37	33			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	51	46	53	48	44	53	46	42	53	42	38	51	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	53	53	49	51	51	45	50	48	42	49	45	39	45	42	37
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	52	46	52	48	42	48	44	38	44	41	35	40	38	33	38	35	31	35	33	29
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	49	52	52	45	51	48	42	49	45	39	45	42	37
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	54	48	54	52	46	52	48	42	47	44	38	44	40	35	40	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	54	54	49	53	52	45	52	48	42	49	45	39	45	42	37
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	50	55	55	48	55	52	46	52	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	55	55	49	54	52	45	52	48	42	48	45	39	45	42	37
				Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	53	56	56	50	56	55	48	56	52	45	52	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	53	56	56	49	55	52	45	52	48	42	48	45	39	45	42	37
				Exposed	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	57	50	57	54	48	56	52	45	51	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	53	57	55	49	56	51	45	52	48	42	48	45	39	45	42	36
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	58	53	58	57	50	58	54	48	56	52	45	51	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	58	58	58	58	58	58	58	58	54	58	58	51	58	58	48	58	56	46	58	53	43	58	50	41	56	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	58	58	48	58	54	45	58	51	42	58	48	40	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	56	56	56	56	56	56	56	56	54	56	56	51	56	56	48	56	56	46	56	53	43	56	50	41	55	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	56	56	47	56	54	44	56	51	42	56	48	39	55	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	51	53	53	48	53	51	45	53	48	43	53	46	40	53	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	53	50	44	53	47	42	53	44	39	51	41	37	49	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	48	51	51	45	51	48	43	51	45	40	51	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	51	50	44	51	47	41	51	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	51	52	52	48	52	50	45	52	48	42	52	45	40	52	43	38	49	39	35	45	36	33	42	33	30	39	31	29	37	30	27	34	28	25
				Exposed	52	50	44	52	46	41	52	44	39	51	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	48	52	51	46	52	48	44	52	44	40	52	40	36	49	37	33	46	34	31	43	32	29	40	31	27
				Exposed	52	52	51	52	52	47	52	49	44	52	46	42	52	43	39	52	41	37	52	39	35	49	37	34	45	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	50	46	53	48	44	53	44	39	53	40	36	49	37	33	46	34	31	43	32	29	40	31	27			
				Exposed	53	53	50	53	52	47	53	49	44	53	46	42	53	43	39	53	41	37	51	39	35	49	37	34	45	34	31	42	32	28	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	52	52	48	51	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30			
				Exposed	53	53	53	53	53	51	53	53	48	53	52	46	53	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	53	53	48	52	50	43	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30
				Exposed	54	54	54	54	54	51	54	54	48	54	52	46	54	49	43	51	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	53	54	54	50	54	54	47	53	51	45	52	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	55	55	55	55	55	51	55	55	48	55	52	45	54	49	43	51	47	41	48	44	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	53	55	55	50	55	54	47	54	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	56	56	54	56	56	51	56	55	48	56	52	45	53	49	43	51	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	55	57	57	52	57	56	50	56	54	47	54	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30			
				Exposed	57	57	54	57	57	51	57	55	48	56	52	45	53	49	43	50	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	57	58	58	55	58	58	52	58	56	50	57	54	47	53	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	58	58	54	58	58	51	58	58	48	56	52	45	53	49	43	50	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	58	58	55	58	58	52	58	58	49	58	56	46	58	53	43	58	50	41	58	48	39	55	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	58	52	43	58	49	40	56	46	38	53	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	56	56	55	56	56	52	56	56	49	56	56	46	56	53	43	56	50	41	56	48	39	55	45	37	50	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	56	52	43	56	49	40	56	46	38	52	43	36	50	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	53	53	52	53	53	49	53	51	46	53	48	43	53	45	40	53	43	38	51	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	53	45	40	52	42	37	49	39	35	46	37	33	44	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	51	51	51	51	51	48	51	51	45	51	48	43	51	45	40	51	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	51	45	40	51	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	48	52	51	45	52	48	43	52	45	40	52	43	38	50	41	36	48	39	35	44	35	32	41	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	52	45	40	51	42	37	49	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	49	52	51	46	52	48	43	52	45	41	52	43	39	52	39	35	48	36	33	45	34	30	42	32	28	39	30	26	37	28	25
				Exposed	52	50	45	52	47	42	52	44	40	52	41	37	52	39	35	49	37	34	47	35	32	45	34	31	41	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	52	53	53	49	53	50	46	53	48	43	53	45	41	53	43	39	52	39	35	48	36	33	44	34	30	42	32	28	39	30	26	37	28	25
				Exposed	53	50	45	53	46	42	53	44	40	53	41	37	51	39	35	49	37	33	47	35	32	45	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	52	52	48	51	51	45	51	49	43	49	45	39	45	41	36	41	38	33	38	35	31	35	33	29	33	32	28
				Exposed	53	53	49	53	53	46	53	50	44	51	47	41	48	45	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	53	53	53	50	53	53	47	52	52	45	51	49	43	49	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	54	54	49	54	53	46	54	50	43	51	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	53	54	54	50	54	54	47	53	51	45	52	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	55	55	49	55	53	46	54	50	43	51	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	53	55	55	50	55	54	47	54	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	56	56	49	56	53	46	54	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	55	57	57	52	57	56	50	56	54	47	55	51	45	53	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	57	56	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	55	58	58	52	58	56	49	57	54	47	55	51	45	53	49	43	48	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	58	55	49	57	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	54	47	54	52	43	54	48	39	54	45	37	50	42	34	47	39	32
				Exposed	54	54	54	54	54	54	54	54	52	54	54	49	54	54	46	54	53	44	54	51	42	54	48	40	53	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	51	43	51	48	39	51	45	36	50	42	34	47	39	32			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	51	44	51	51	42	51	48	40	51	44	36	49	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	44	48	45	40	48	41	37	47	38	34	44	35	32	42	33	30						
				Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	46	41	48	44	39	48	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	41	37	45	38	34	44	35	32	42	33	30			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	43	39	45	41	37	45	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	43	48	44	40	48	41	36	47	38	34	44	35	32	42	33	30			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	46	41	48	43	39	48	41	37	47	37	34	43	34	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	41	48	42	38	48	39	36	48	37	33			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	46	42	48	42	38	48	38	35	47	35	32	44	33	30	41	31	28	39	30	26
	B	6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	46	41	48	42	38	48	39	36	48	37	33			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	46	42	48	42	38	48	38	35	47	35	32	44	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	45	47	47	42	46	45	39	45	42	37						
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	49	48	42	48	44	38	44	41	35	40	38	33	38	35	31	35	33	29			
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	48	48	45	47	47	42	47	45	39	45	42	37			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	48	42	47	44	38	44	40	35	40	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	49	49	49	45	48	48	42	47	45	39	45	42	37			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	46	51	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	49	50	50	45	49	48	42	48	45	39	45	42	37			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	45	52	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	52	52	45	51	48	42	48	45	39	45	42	37			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	52	45	51	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	54	54	49	53	51	45	52	48	42	48	45	39	45	42	36
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	55	55	50	55	54	48	55	52	45	51	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
		Flat	0	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	51	54	54	48	54	54	46	54	53	43	54	50	41	54	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	54	54	48	54	54	45	54	51	42	54	48	40	54	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	46	51	51	43	51	50	41	51	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	51	51	47	51	51	44	51	51	42	51	48	39	51	46	37	51	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	46	40	48	43	38	48	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	48	48	44	48	47	42	48	44	39	48	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	43	38	45	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	45	45	44	45	45	41	45	44	39	45	41	37	45	39	35	45	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	42	48	45	40	48	43	38	48	39	35	45	36	33	42	33	30	39	31	29	37	30	27	34	28	25
				Exposed	48	48	44	48	46	41	48	44	39	48	41	37	48	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	44	40	48	40	36	48	37	33	46	34	31	43	32	29	40	31	27			
				Exposed	48	48	48	48	48	47	48	48	44	48	46	42	48	43	39	48	41	37	48	39	35	48	37	34	45	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
20	C	6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	44	48	44	39	48	40	36	48	37	33	46	34	31	43	32	29	40	31	27			
				Exposed	48	48	48	48	48	47	48	48	44	48	46	42	48	43	39	48	41	37	48	39	35	48	37	34	45	34	31	42	32	28	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	47	47	44	46	46	40	45	42	37	42	39	34	39	37	32	37	34	30
				Exposed	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	49	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	49	48	48	48	43	47	46	40	46	42	37	42	39	34	39	36	32	36	34	30
				Exposed	50	50	50	50	50	50	50	50	48	50	50	46	50	49	43	50	47	41	48	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	50	48	49	49	43	48	46	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	51	51	51	51	51	51	51	51	48	51	51	45	51	49	43	51	47	41	48	44	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	51	51	47	50	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	52	52	52	52	52	51	52	52	48	52	52	45	52	49	43	51	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	52	52	47	51	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	53	53	53	53	53	51	53	53	48	53	52	45	53	49	43	50	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	52	54	54	50	54	54	47	52	49	43	49	45	40	45	42	37	42	39	34	39	36	32	36	34	30						
				Exposed	55	55	54	55	55	51	55	54	48	55	52	45	53	49	43	50	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		Flat	0	Non-Exposed	54	54	54	54	54	52	54	54	49	54	54	46	54	53	43	54	50	41	54	48	39	54	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	54	52	43	54	49	40	54	46	38	53	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	49	51	51	46	51	51	43	51	50	41	51	48	39	51	45	37	50	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	51	51	43	51	49	40	51	46	38	51	43	36	50	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	46	48	48	43	48	45	40	48	43	38	48	41	36	48	39	35	44	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	48	45	40	48	42	37	48	39	35	46	37	33	44	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	43	38	45	41	36	45	39	35	44	35	32	41	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	45	45	40	45	42	37	45	39	35	45	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	45	48	48	43	48	45	40	48	43	38	48	41	36	48	39	35	44	35	32	41	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	48	45	40	48	42	37	48	39	35	46	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	45	41	48	43	39	48	39	35	47	36	33	45	34	30	42	32	28	39	30	26	32	28	25			
				Exposed	48	48	45	48	47	42	48	44	40	48	41	37	48	39	35	48	37	34	47	35	32	45	34	31	41	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
	D	6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	45	41	48	43	39	48	39	35	48	36	33	44	34	30	42	32	28	39	30	26	37	28	25			
				Exposed	48	48	45	48	46	42	48	44	40	48	41	37	48	39	35	48	37	33	47	35	32	45	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	47	47	45	47	47	43	46	45	39	45	41	36	41	38	33	38	35	31	35	33	29	33	32	28
				Exposed	49	49	49	49	49	46	49	49	44	49	47	41	48	45	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	49	49	47	48	48	45	48	48	43	46	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	50	50	49	50	50	46	50	50	43	50	47	41	48	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	50	50	50	50	50	50	47	49	49	45	49	49	43	47	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	51	51	49	51	51	46	51	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	50	51	51	47	50	50	45	50	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	52	52	49	52	52	50	52	50	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	53	50	52	52	47	52	51	45	51	49	43	48	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	53	53	49	53	52	46	53	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	52	54	54	49	54	54	47	53	51	45	52	49	43	48	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	55	55	49	55	52	46	54	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	47	53	52	43	53	48	39	53	45	37	50	42	34	47	39	32
				Exposed	53	53	53	53	53	53	53	53	52	53	53	49	53	53	46	53	53	44	53	51	42	53	48	40	53	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	47	51	51	43	51	48	39	51	45	36	50	42	34	47	39	32			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	51	51	44	51	51	42	51	48	40	51	44	36	49	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	40	47	45	40	47	41	37	47	38	34	44	35	32	42	33	30
				Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	46	41	47	44	39	47	41	37	47	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	41	37	44	38	34	44	35	32	42	33	30			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	44	41	44	43	39	44	41	37	44	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	41	36	43	38	34	43	35	32	42	33	30			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	43	41	43	43	39	43	41	37	43	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	39	36	43	37	33						
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	42	38	43	38	35	43	35	32	43	33	30	41	31	28	39	30	26
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	39	36	44	37	33						
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	42	38	44	38	35	44	35	32	44	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	38	44	44	39	42	42	37						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	44	38	44	41	35	40	38	33	38	35	31	35	33	29			
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	42	45	45	35	45	45	42	44	44	39	43	42	37			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	42	46	44	38	44	40	35	40	38	33	37	35	31	35	33	29			
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	46	46	45	46	46	42	45	45	39	44	42	37			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	48	42	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	48	48	48	45	47	47	42	46	45	39	45	42	37			
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	49	45	48	48	42	47	45	39	45	42	37			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	45	50	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	49	50	50	45	49	48	42	48	45	39	45	42	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	48	52	52	45	51	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	53	46	53	53	43	53	50	41	53	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	53	53	48	53	53	45	53	51	42	53	48	40	53	46	37	52	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	51	46	51	51	43	51	50	41	51	46	38	51	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	51	51	47	51	51	44	51	51	42	51	48	39	51	46	37	51	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	40	47	43	38	47	39	35	45	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	47	47	44	47	47	42	47	44	39	47	41	37	47	39	35	46	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	43	38	44	39	35	44	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	44	44	44	44	44	41	44	44	39	44	41	37	44	39	35	44	37	33	44	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	38	43	39	35	43	36	33	42	33	30	39	31	29	37	30	27	34	28	25
				Exposed	43	43	43	43	43	41	43	43	39	43	41	37	43	39	35	43	37	33	43	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	40	36	43	37	33	43	34	31	43	32	29	40	31	27			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	41	37	43	39	35	43	37	34	43	34	31	42	32	29	39	30	26	36	28	25	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	39	44	40	36	44	37	33	44	34	31	43	32	29	40	31	27			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	42	44	43	39	44	41	37	44	39	35	44	37	34	44	34	31	42	32	28	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	43	43	40	42	42	37	41	39	34	39	37	32	37	34	30	
				Exposed	45	45	45	45	45	45	45	45	45	45	45	41	45	45	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	44	44	40	43	42	37	42	39	34	39	36	32	36	34	30	
				Exposed	46	46	46	46	46	46	46	46	46	46	46	43	46	46	41	46	45	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0			
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	47	47	46	46	43	45	45	40	44	42	37	42	39	34	39	36	32	36	34	30
				Exposed	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	47	41	47	44	39	46	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	47	47	43	46	45	40	45	42	37	42	39	34	39	36	32	36	34	30			
				Exposed	49	49	49	49	49	49	49	49	48	49	49	45	49	49	43	49	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47	48	48	43	47	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	50	50	50	50	50	50	50	50	48	50	50	45	50	49	43	50	47	41	48	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	50	51	51	47	50	49	43	48	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	52	52	52	52	52	51	52	52	48	52	52	45	52	49	43	50	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	53	53	53	53	53	52	53	53	49	53	53	46	53	53	43	53	50	41	53	48	39	53	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	53	52	43	53	49	40	53	46	38	53	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	49	51	51	46	51	51	43	51	50	41	51	48	39	51	45	37	50	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	51	51	43	51	49	40	51	46	38	51	43	36	50	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	46	47	47	43	47	45	40	47	43	38	47	41	36	47	39	35	44	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	47	45	40	47	42	37	47	39	35	46	37	33	44	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	43	44	44	40	44	43	38	44	41	36	44	39	35	44	35	32	41	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	44	44	40	44	42	37	44	39	35	44	37	33	44	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	41	36	43	39	35	43	35	32	41	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	43	43	40	43	42	37	43	39	35	43	37	33	43	35	32	42	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	39	35	43	36	33	43	34	30	42	32	28	39	30	26	37	28	25						
				Exposed	43	43	43	43	43	42	43	43	40	43	41	37	43	39	35	43	37	34	43	35	32	43	34	31	41	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	43	39	44	39	35	44	36	33	44	34	30	42	32	28	39	30	26	37	28	25						
				Exposed	44	44	44	44	44	42	44	44	40	44	41	37	44	39	35	44	37	33	44	35	32	44	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	45	39	45	44	39	44	44	39	43	43	39	42	41	36	41	38	33	38	35	31	35	33	29	33	32	28
				Exposed	45	45	45	45	45	45	45	45	44	45	45	41	45	45	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	43	44	44	39	43	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	46	46	46	46	46	46	46	46	43	46	46	41	46	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	47	47	46	46	45	46	46	43	45	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	48	48	48	48	48	48	48	48	43	48	47	41	47	44	39	46	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	47	47	45	47	47	43	46	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28	
				Exposed	49	49	49	49	49	46	49	49	43	49	47	41	48	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	49	47	49	49	45	48	48	43	47	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28	
				Exposed	50	50	49	50	50	46	50	49	43	50	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	51	51	49	51	51	47	50	50	45	49	49	43	48	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	52	52	49	52	52	46	52	49	43	51	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	Flat	0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	47	50	50	43	50	48	39	50	45	37	50	42	34	47	39	32
				Exposed	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	50	50	44	50	50	42	50	48	40	50	44	36	49	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	39	47	45	36	47	42	34	47	39	32
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	47	47	42	47	47	40	47	44	36	47	41	33	45	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	41	37	43	38	34	43	35	32	42	33	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	41	37	43	38	34	43	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	38	34	40	35	32	40	33	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	38	34	40	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36	40	38	34	40	35	32	40	33	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	37	34	40	34	31	40	32	29	38	30	28	35	29	26	33	27	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	36	40	37	33
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	35	40	35	32	40	33	30	40	31	28	39	30	26
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	39	36	41	37	33
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	38	35	41	35	32	41	33	30	41	31	28	39	30	26
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	39	40	40	37
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38	42	41	35	40	38	33	38	35	31	35	33	29
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	39	41	41	37
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	38	43	40	35	40	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	42	42	42	39	42	42	37
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	44	44	42	44	44	39	43	42	37
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	41	46	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	46	46	45	46	46	42	45	45	39	44	42	37
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	47	41	47	44	38	43	40	35	40	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	45	47	47	42	46	45	39	45	42	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	47	41	47	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	50	50	43	50	50	41	50	46	38	50	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	50	50	48	50	50	45	50	50	42	50	48	40	50	46	37	50	43	35	50	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	47	41	47	46	38	47	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	47	47	47	47	47	44	47	47	42	47	47	39	47	46	37	47	43	35	47	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	39	35	43	36	33	42	33	30	39	31	29	37	30	27	35	28	26
				Exposed	43	43	43	43	43	42	43	43	39	43	41	37	43	39	35	43	37	33	43	35	32	42	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	36	33	40	33	30	39	31	29	37	30	27	35	28	26
				Exposed	40	40	40	40	40	40	40	40	39	40	40	37	40	39	35	40	37	33	40	35	32	40	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	36	33	40	33	30	39	31	29	37	30	27	34	28	25
				Exposed	40	40	40	40	40	40	40	40	39	40	40	37	40	39	35	40	37	33	40	35	32	40	34	31	39	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	36	40	37	33	40	34	31	40	32	29	40	31	27
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	39	35	40	37	34	40	34	31	40	32	29	39	30	26	36	28	25	34	26	0	32	0	0
30	C	6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	40	36	41	37	33	41	34	31	41	32	29	40	31	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	39	35	41	37	34	41	34	31	41	32	28	39	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	40	40	40	37	39	39	34	38	37	32	37	34	30
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	37	41	39	34	38	36	31	35	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	40	41	41	37	40	39	34	39	36	32	36	34	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43	43	40	42	42	37	41	39	34	39	36	32	36	34	30
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	39	44	42	37	42	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	43	44	44	40	43	42	37	42	39	34	39	36	32	36	34	30
				Exposed	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	41	46	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	47	47	46	46	43	45	45	40	44	42	37	42	39	34	39	36	32	36	34	30
				Exposed	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	47	41	47	44	39	46	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	47	47	43	46	45	40	45	42	37	42	39	34	39	36	32	36	34	30
				Exposed	49	49	49	49	49	49	49	49	48	49	49	45	49	49	43	49	46	41	48	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	50	50	50	50	50	50	50	50	49	50	50	46	50	50	43	50	50	41	50	48	39	50	45	37	50	42	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	50	50	43	50	49	40	50	46	38	50	44	36	50	41	34	47	39	32	45	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	47	41	47	47	39	47	45	37	47	41	34	46	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	47	47	43	47	47	40	47	46	38	47	43	36	47	41	34	47	39	32	45	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	41	36	43	39	35	43	35	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	43	43	40	43	42	37	43	39	35	43	37	33	43	35	32	42	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	39	35	40	35	32	40	33	30	38	31	28	36	29	26	33	27	0	32	26	0
				Exposed	40	40	40	40	40	37	40	39	35	40	37	33	40	35	32	40	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	39	35	40	35	32	40	33	30	38	31	28	35	29	26	33	27	0	32	26	0
				Exposed	40	40	40	40	40	37	40	39	35	40	37	33	40	35	32	40	33	30	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		5:12	22.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	35	40	36	33	40	34	30	40	32	28	39	30	26	37	28	25
				Exposed	40	40	40	40	40	40	40	40	40	40	40	37	40	39	35	40	37	34	40	35	32	40	34	31	40	31	28	38	29	26	35	27	24	33	26	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	35	41	36	33	41	34	30	41	32	28	39	30	26	37	28	25
				Exposed	41	41	41	41	41	41	41	41	40	41	41	37	41	39	35	41	37	33	41	35	32	41	34	31	41	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	40	40	39	40	40	36	39	38	33	38	35	31	35	33	29	33	32	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	37	42	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	39	40	40	36	40	38	33	38	35	31	35	33	29	33	31	28
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	42	42	39	41	41	36	40	38	33	38	35	31	35	33	29	33	31	28
				Exposed	44	44	44	44	44	44	44	44	43	44	44	41	44	44	39	44	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	43	44	44	39	42	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	46	46	46	46	46	46	46	46	43	46	46	41	46	44	39	45	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	47	47	47	47	47	47	46	46	45	46	46	43	45	45	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	48	48	48	48	48	46	48	48	43	48	47	41	47	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	47	48	48	45	47	47	43	46	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	49	49	49	49	49	46	49	49	43	49	47	41	48	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	Flat	0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	39	47	45	37	47	42	34	47	39	32
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	47	47	42	47	47	40	47	44	36	47	41	34	45	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	39	43	43	36	43	42	34	43	39	32
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	36	43	41	33	43	37	31	42	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	38	34	40	35	32	40	33	30			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	38	34	40	35	31	40	32	29	38	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	32	37	33	30			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	31	37	32	29	37	30	28	35	29	26	33	27	0			
		4:12	18.4	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	35	32	37	33	30			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	34	31	37	32	29	37	30	28	35	29	26	33	27	0			
		5:12	22.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33						
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	32	37	33	30	37	31	28	37	30	26			
		6:12	26.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	36	38	37	33						
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	32	38	33	30	38	31	28	38	30	26			
		7:12	30.3	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37						
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	38	33	38	35	31	35	33	29						
		8:12	33.7	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39						
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	35	40	38	33	37	35	31						
		9:12	36.9	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	40						
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	38	42	40	35	40	37	33						
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	40						
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	40	35	40	37	33	37	35	31						
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	42	43	43	39						
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	44	38	43	40	35	40	37	33	37	35	31						
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	45	45	45	42						
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	41	47	43	38	43	40	35	40	37	33						
	C	Flat	0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	47	41	47	46	38	47	42	35	47	39	32	44	36	30	41	34	29	38	32	27
				Exposed	47	47	47	47	47	45	47	47	42	47	47	40	47	46	37	47	43	35	47	41	34	47	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	42	35	43	39	32	43	36	30	41	34	29	38	32	27			
				Exposed	43	43	43	43	43	43	43	43	42	43	43	39	43	43	37	43	43	35	43	41	34	43	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	39	35	40	36	33	40	33	30	39	31	29	37	30	27	35	28	26			
				Exposed	40	40	40	40	40	40	40	40	39	40	40	37	40	39	35	40	37	33	40	35	32	40	34	31	39	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33	37	33	30	37	31	29	37	30	27	35	28	26			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	32	37	34	31	37	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33	37	33	30	37	31	29	37	30	27	34	28	25			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	32	37	34	31	37	31	28	36	29	26	33	27	0	31	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	34	31	37	32	29	37	31	27
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	34	37	34	31	37	32	29	37	30	26	36	28	25	34	26	0	32	0	0
		6:12	26.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	37	33	38	34	31	38	32	29	38	31	27
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	37	34	38	34	31	38	32	28	38	30	26	36	28	25	34	26	0	32	0	0			
		7:12	30.3	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	37	37	32	36	34	30			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	38	36	31	35	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	37	38	38	34	37	36	32	36	34	30	
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	40	40	40	37	39	39	34	38	36	32	36	34	30	
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	37	41	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	40	41	41	37	40	39	34	39	36	32	36	34	30	
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	43	43	43	40	42	42	37	41	39	34	39	36	32	36	34	30	
				Exposed	45	45	45	45	45	45	45	45	45	45	45	41	45	44	39	45	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0						
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	45	45	43	44	44	40	43	42	37	42	39	34	39	36	32	36	34	30
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	46	41	47	44	39	45	42	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	47	43	47	47	41	47	47	39	47	45	37	47	42	32	42	35	30	39	33	28	37	31	26	35	30	0			
				Exposed	47	47	47	47	47	46	47	47	43	47	47	41	47	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0
		1:12	4.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	43	37	43	41	34	43	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	43	43	43	43	43	40	43	43	38	43	43	36	43	41	34	43	39	32	43	37	31	43	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	39	35	40	35	32	40	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	40	40	40	40	40	37	40	39	35	40	37	33	40	39	32	40	34	31	40	32	29	38	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	35	32	37	33	30	37	31	28	36	29	26	33	27	0	32	26	0			
				Exposed	37	37	37	37	37	37	37	37	33	37	37	32	37	33	30	37	32	29	37	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0			
		4:12	18.4	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	35	32	37	33	30	37	31	28	35	29	26	33	27	0	32	26	0			
				Exposed	37	37	37	37	37	37	37	37	35	37	37	32	37	33	30	37	32	29	37	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0			
		5:12	22.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33	37	34	30	37	32	28	37	30	26	37	28	25			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	34	37	35	32	37	34	31	37	31	28	37	29	26	35	27	24	33	26	0	31	0	0	30	0	0						
		6:12	26.6	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	38	33	38	38	34	38	38	31	38	38	35	38	36	33	38	34	30	38	32	28	38	30	26	37	28	25
				Exposed	38	38	38	38	38	38	38	38	38	38	38	35	38	37	33	38	35	32	38	34	31	38	31	28	38	29	26	35	27	0	33	26	0	31	0	0	30	0	0			
		7:12	30.3	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	36	37	37	33	36	35	31	35	33	29	33	32	28					
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0			
		8:12	33.7	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	39	39	39	36	38	38	33	37	35	31	35	33	29	33	31	28			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	37	40	40	35	40	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0						
		9:12	36.9	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	40	40	39	40	40	36	39	38	33	38	35	31	35	33	29	33	31	28		
				Exposed	42	42	42	42	42	42	42	42	42	42	42	39	42	42	37	42	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0			
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	39	41	41	36	40	38	33	38	35	31	35	33	29	33	31	28		
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	43	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	43	43	43	39	42	41	36	41	38	33	38	35	31	35	33	29	33	31	28			
				Exposed	45	45	45	45	45	45	45	45	41	45	45	39	45	42	37	43	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0			
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	46	46	45	45	45	43	44	44	39	43	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	47	47	47	47	47	46	47	47	43	47	47	41	47	44	39	45	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	Flat	0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	39	44	44	37	44	42	34	44	39	32
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	44	36	44	41	34	44	38	31	42	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	41	34	41	39	32
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	36	41	41	33	41	37	31	41	35	29	39	33	28	37	31	26
		2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	34	37	35	32	37	33	30
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	31	37	32	29	37	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	33	30	35	31	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	32	29	35	30	28	35	29	26	33	27	0	30	25	0
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	33	30	34	30	27
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	32	29	35	30	28	35	29	26	33	27	0	30	25	0
		5:12	22.6	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	33	34	30	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	33	30	35	31	28	35	30	26
		6:12	26.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	33	36	33	30
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	32	36	33	30	36	31	28	36	30	26
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	32	36	34	31	36	32	28
		8:12	33.7	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	37	37	37	37
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	33	37	35	31	35	33	29
		9:12	36.9	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	37	38	38	37
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	37	33	37	35	31	35	33	29
		10:12	39.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	40	40	39	39	39	37
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	35	40	37	33	37	35	31	35	33	29
		11:12	42.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	39	41	41	37	
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	38	43	40	35	40	37	33	37	35	31	35	33	29			
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	43	43	42	43	43	39	42	42	36	
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	41	45	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	38	44	42	35	44	39	32	44	36	30	41	34	29	38	32	27
				Exposed	44	44	44	44	44	44	44	44	42	44	44	40	44	44	37	44	43	35	44	41	34	44	39	33	43	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	35	41	39	32	41	36	30	41	34	29	38	32	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	35	41	41	34	41	39	33	41	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33	37	33	30	37	31	29	37	30	27	35	28	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	32	37	34	31	37	31	28	36	29	26	33	27	0	31	26	0	30	0	0	28	0	0			
		3:12	14.0	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	30	35	31	29	35	30	27	35	28	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	34	31	35	31	28	35	29	26	33	27	0	31	26	0	30	0	0	28	0	0						
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	30	35	31	29	35	30	27	34	28	25
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	32	35	34	31	35	31	28	35	29	26	33	27	0	31	25	0	30	0	0	28	0	0			
		5:12	22.6	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	34	31	35	32	29	35	31	27	
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	32	35	34	31	35	31	28	35	29	26	33	27	0	31	25	0	30	0	0	28	0	0			
		6:12	26.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	31	36	32	29	36	31	27
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	34	36	34	31	36	32	28	36	30	26	36	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	35	35	32	35	34	30			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	35	33	29	33	31	27	31	30	26	29	28	0			
		8:12	33.7	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	37	34	36	36	32	35	34	30	
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	37	36	32	36	34	30	
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	38	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	39	39	34	38	36	32	36	34	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	40	41	41	37	40	39	34	39	36	32	36	34	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	43	43	43	40	42	42	37	41	39	34	39	36	32
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	43	38	43	40	35	40	37	33	37	35	31	35	33	29
	D	Flat	0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	44	39	44	44	37	44	42	34	44	38	32	42	35	30	39	33	28	37	31	26	35	30	0
				Exposed	44	44	43	44	44	40	44	44	38	44	44	36	44	41	34	44	39	32	44	37	31	43	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	34	41	38	32	41	35	30	39	33	28	37	31	26	35	30	0
				Exposed	41	41	41	41	41	40	41	41	38	41	41	36	41	41	34	41	39	32	41	37	31	41	35	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	35	37	35	32	37	33	30	37	31	28	36	29	26	34	27	0	32	26	0
				Exposed	37	37	37	37	37	37	37	37	35	37	37	33	37	37	32	37	34	31	37	32	29	37	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	33	30	35	31	28	35	29	26	33	27	0	32	26	0
				Exposed	35	35	35	35	35	35	35	35	33	35	35	32	35	33	30	35	32	29	35	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0			
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	33	30	35	31	28	35	29	26	33	27	0	32	26	0
				Exposed	35	35	35	35	35	35	35	35	33	35	35	32	35	33	30	35	32	29	35	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0			
		5:12	22.6	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	34	30	35	32	28	35	32	25	30	28	25			
				Exposed	35	35	35	35	35	35	35	35	34	35	35	32	35	34	31	35	35	32	35	34	31	35	31	28	35	29	26	35	27	24	33	26	0	31	0	0	30	0	0			
		6:12	26.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	30	36	32	28	36	32	25	30	28	25			
				Exposed	36	36	36	36	36	36	36	36	33	36	36	33	36	35	32	36	34	31	36	31	28	36	29	26	35	27	0	33	26	0	31	0	0	30	0	0						
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	33	35	35	31	34	33	29	33	32	28				
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	34	36	36	34	36	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	36	36	36	33	36	35	31	35	33	29	33	31	28	
				Exposed	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	38	34	37	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0						
		9:12	36.9	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36	37	37	33	36	35	31	35	33	29	33	31	28				
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	39	39	39	36	38	38	33	37	35	31	35	33	29	33	31	28				
				Exposed	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	40	35	41	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0			
		11:12	42.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	41	41	39	40	40	36	39	38	33	38	35	31	35	33	29	33	31	28	
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	42	40	35	41	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	44	43	43	43	43	43	39	42	41	36	41	38	33	38	35	31	35	33	29	33	31	28
				Exposed	45	45	45	45	45	45	45	45	43	45	45	41	45	44	39	44	42	37	43	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	Flat	0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	41	34	41	39	32
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	36	41	41	34	41	38	31	41	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	38	32
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	33	38	37	31	38	35	29	38	33	28	37	31	26
		2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	33	30
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	32	29	35	30	28	35	29	26	33	27	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	30
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	30	28	33	29	26	33	27	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	30
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	30	28	33	29	26	33	27	0
		5:12	22.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28	33	30	26	34	30	26
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	34	27
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	31	27	34	31	27
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	35	30
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	32	29	35	30	28	35	29	26	33	27	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	35	35	32	34	34	30
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	34	35	35	32	35	34	30
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	37	36	32	36	34	30
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	38	38	34	38	36	32	36	34	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	40	40	40	37	40	39	34	39	36	32	36	34	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	43	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	C	Flat	0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	41	35	41	39	32	41	34	29	38	32	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	40	41	41	37	41	41	35	41	41	34	41	39	33	41	36	30	40	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	32	38	36	30	38	34	29	38	32	27
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	35	38	38	34	38	38	33	38	36	30	38	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	30	35	31	29	35	30	27	35	28	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	32	35	34	31	35	31	28	35	29	26	33	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	31	29	33	30	27	33	28	26
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	31	28	33	29	26	33	27	0	31	26	0	30	0	0	28	0	0			
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	31	29	33	30	27	33	28	25
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	31	28	33	29	26	33	27	0	31	25	0	30	0	0	28	0	0			
		5:12	22.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	31	27			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	33	30	26	33	28	25	33	26	0	32	0	0						
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	34	31	27		
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	28	34	30	26	34	28	25	34	26	0	32	0	0
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	33	34	30			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	35	35	32	34	34	30	
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	35	35	32	35	34	30			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	37	36	32	36	34	30
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	38	38	34	38	36	32	36	34	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	42	42	42	42	42	42
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	43	37	41	38	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	41	34	41	35	30	39	33	28	37	31	26	35	30	0
				Exposed	41	41	41	41	41	41	40	41	41	38	41	41	36	41	41	34	41	39	32	41	37	31	41	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	38	32	38	35	30	38	33	28	37	31	26	35	30	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	38	32	38	37	31	38	35	30	38	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	35	30	35	31	28	35	29	26	34	27	0	32	26	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	32	35	35	32	35	34	31	35	32	29	35	31	28	35	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28	33	29	26	33	27	0	32	26	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	30	33	33	32	29	33	31	28	33	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0					
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	31	28	33	29	26	33	27	0	32	26	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	30	33	33	32	29	33	31	28	33	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0					
		5:12	22.6	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	32	28	33	30	26	33	28	25
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	31	28	33	29	26	33	27	24	33	26	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	34	32	28	34	34	30	26	34	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	33	34	34	32	34	34	31	34	34	31	34	31	28	34	29	26	34	27	0	33	26	0	31	0	0	30	0	0			
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	33	34	34	31	33	33	29	32	32	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	33	34	34	31	34	33	29	33	31	28	
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	34	36	35	31	34	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	33	35	35	31	35	33	29	33	31	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	34	37	36	31	35	33	29	33	31	27	31	29	25	29	27	0	27	26	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	36	37	37	33	36	35	31	35	33	29	33	31	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	38	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	39	36	38	38	33	37	35	31	35	33	29	33	31	28		
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	40	35	40	38	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	41	41	39	40	40	36	39	38	33	38	35	31	35	33	29
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	42	37	42	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
50	B	Flat	0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	39	32
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	34	39	38	31	39	35	29	39	33	28	37	31	26
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	37	32			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	37	31	37	35	29	37	33	28	37	31	26
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	30	28	34	29	26	33	27	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	28	32	29	26	32	27	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	30			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28	31	30	26	31	27	0			
		5:12	22.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	26			
		6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	30	26			
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29			
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	29			
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	29			
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	29			
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	38	38	37			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	40	40	39	39	39	36	
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	35	40	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	39	32	39	36	30	39	34	29	38	32	27
				Exposed	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	39	34	39	39	33	39	36	30	39	33	28	37	31	26	34	29	0	32	28	0	31	26	0			
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	32	37	36	30	37	34	29	37	32	27			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	34	37	37	33	37	36	30	37	33	28	37	31	26	34	29	0	32	28	0	31	26	0			
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	30	34	31	29	34	30	27	34	28	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	32	34	34	31	34	31	28	34	29	26	33	27	0	31	26	0	30	0	0	28	0	0			
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	29	32	30	27	32	28	26			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	27	31	26	0	30	0	0	28	0	0			
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	30	27	31	28	25			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	27	31	29	26	30	0	0	28	0	0			
		5:12	22.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	26	31	28	25	31	26	0	31	0	0
		6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	28	32	30	26	32	28	25	32	26	0	32	0	0
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	30			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27	31	30	26	29	28	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	33	30			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	32	34	30			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	35	35	32	35	34	30
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	37	37	37	34	36	36	32	36	34	30
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	34	38	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	38	38	34	38	36	32	36	34	30
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	41	40	35	41	38	33	37	35	31	34	32	29	32	30	27
	D	Flat	0	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	38	32	39	35	30	39	33	28	37	31	26
				Exposed	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	39	32	39	37	31	39	36	30	39	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	32	37	35	30	37	33	28	37	31	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	37	32	37	37	31	37	35	30	37	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	26	34	27	0	32	26	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	31	34	32	29	34	31	28	34	29	26	33	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0	32	26	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	32	29	32	31	28	32	29	26	32	27	0	31	0	0	29	0	0	27	0	0	26	0	0			
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	27	0	31	26	0
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	31	28	31	29	26	31	27	0	31	0	0	29	0	0	27	0	0	26	0	0			
		5:12	22.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	26	31	28	25			
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		6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	28	32	29	26	32	27	0	32	0	0	30	0	0
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	31	32	32	29	31	31	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	32	31	27	30	29	25	29	27	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	31	33	33	29	32	31	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	32	31	27	30	29	25	29	27	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	31	33	33	29	33	31	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	33	29	32	30	27	30	29	25	29	27	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	36	33	35	35	31	34	33	29	33	31	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	34	37	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	36	37	37	33	36	35	31	35	33	29	33	31	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	35	39	39	33	38	33	28	37	34	29	32	30	27	30	29	25	28	27	0	27	26	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	39	39	39	36	38	38	33	37	35	31	35	33	29	33	31	28
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	37	41	40	35	41	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	38	32
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	38	31	38	35	29	38	33	28	37	31	26
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	35	29	35	33	28	35	31	26
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	28	32	29	26	32	27	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	29	26	30	27	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	29	26	30	27	0
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26			
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	26
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	30	26
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	29	35	33	28
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	31	35	33	29
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	37	33	37	35	31	35	33	29
	C	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	32	38	36	30	38	34	29	38	32	27
				Exposed	38	38	38	38	38	38	38	38	38	38	38	37	38	38	38	38	38	35	38	38	34	38	38	33	38	36	30	38	33	28	37	31	26	34	29	0	32	28	0	31	26	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	35	30	35	34	29	35	32	27			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	33	35	35	30	35	33	28	35	31	26	34	29	0	32	28	0	31	26	0
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	29	32	32	27	32	28	26			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	31	28	32	29	26	32	27	0	31	26	0	30	0	0	28	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	28	26						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	26	30	27	0	30	26	0	30	0	0	28	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	28	25			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	26	30	27	0	30	25	0	30	0	0	28	0	0
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	26	30	28	25	30	26	0	30	0	0
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	30	26			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	30	26	31	28	25	31	26	0	31	0	0
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	30			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	30	26
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	32	30		
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27	31	29	26	29	28	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	33	33	30	
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	31	27	31	29	26	29	28	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	32	34	34	30
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	35	35	32	35	34	30	
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	31	35	33	29	33	31	27	31	29	26	29	28	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	37	36	32	36	34	30	
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	35	31	35	33	29	33	31	27	31	29	26	29	28	0
	D	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	32	38	35	30	38	33	28	37	31	26
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	38	32	38	37	31	38	36	30	38	33	28	36	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	35	30	35	33	28	35	31	26	35	30	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	35	31	35	35	30	35	33	28	35	31	26	33	29	0	31	27	0	30	25	0	28	0	0
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	28	32	29	26	32	27	0	32	26	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	32	29	32	31	28	32	29	26	32	27	0	31	0	0	29	0	0	27	0	0	26	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	0	30	26	0			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	29	26	30	27	0	30	0	0	29	0	0	27	0	0	26	0	0	26	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	0	30	26	0			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	29	26	30	27	0	30	0	0	29	0	0	27	0	0	26	0	0	26	0	0
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26	30	28	25						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	24	30	26	0	30	0	0	30	0	0
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	26	31	28	25
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	29	26	31	27	0	31	26	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	30	30	28						
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	30	29	25	29	27	0	27	26	0			
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	31	32	32	29	31	31	28			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29	32	31	27	30	29	25	29	27	0	27	26	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	31	33	33	29	32	31	28		
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	32	30	27	30	29	25	29	27	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	34	34	31	33	33	29	33	31	28		
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	34	33	29	32	30	27	30	29	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	33	35	35	31	34	33	29	33	31	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	31	34	33	29	32	30	27	30	29	25	28	27	0	27	26	0			
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36	37	37	33	36	35	31	35	33	29	33	31	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	35	39	38	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
60	B	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	36	35	29	36	33	28	36	31	26
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	33	28	33	31	26			
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28	31	29	26	31	27	0			
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0						
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	28	26	28	27	0						
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26			
		6:12	26.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	26			
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29			
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29			
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29			
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31			
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	35			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	35	31	35	33	29			
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	36			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	31	35	33	29			
	C	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	36	30	36	34	29	36	32	27
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	34	36	36	33	36	36	30	36	33	28	36	31	26	34	29	0	32	28	0	31	26	0			
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	29	33	32	27			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	33	28	33	31	26	33	29	0	32	28	0	31	26	0			
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	30	27	31	28	26			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	29	26	31	27	0	31	26	0	30	0	0	28	0	0			
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	26						
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		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25						
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		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	26						
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		6:12	26.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27			
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		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
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		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30						
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		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	32	32	32	30			
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		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	32	33	33	30			
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		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	35	35	32	34	34	30				
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		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	36	36	32	35	34	30				
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	D	Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	35	30	36	33	28	36	31	26
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		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	28	33	31	26	33	30	0
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		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	27	0	31	26	0
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		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0	29	26	0			
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		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0	28	26	0			
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		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	28	25			
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		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28			
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		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	30	30	28						
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		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	31	32	32	29	31	31	28	
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		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	29	32	31	28			
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		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	33	34	34	31	34	33	29	33	31	28
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		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	33	35	35	31	35	33	29	33	31	28		
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	31	34	32	29	32	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	Flat	0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	33	28	33	31	26
		1:12	4.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		6:12	26.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		8:12	33.7	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	27	31	29	26	29	28
		11:12	42.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	30
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27	31	29	26	29	28
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31	35	33	29
	C	Flat	0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	29	33	32	27
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	33	28	33	31	26	33	29	0	32	28	0	31	26	0			
		1:12	4.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	31	27			
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		2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	26			
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		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26			
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		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25			
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	25	0	26	0	0	26	0	0			
		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27			
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	25	27	26	0	27	0	0			
		6:12	26.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27			
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	25	27	26	0	27	0	0			
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28			
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		8:12	33.7	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
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		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
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		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31			
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		11:12	42.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	30			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	32	31	27	31	29	26			
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	33	29	33	31	27	31	29	26			
	D	Flat	0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	33	28	33	31	26			
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		1:12	4.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	31	26			
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		2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0	28	0	0	28	0	0	27	0	0			
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0			
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		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0			
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		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25			
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		6:12	26.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25			
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		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28			
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		8:12	33.7	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28			
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		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29			
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		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31			
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		11:12	42.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	32	30	27	30	29	25			
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	33			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	33	29	32	30	27	30	29	25			

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
80	B	Flat	0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	28	31	31	26	31	31	26
		1:12	4.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	29	26
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	27	0
		3:12	14.0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0
		5:12	22.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		7:12	30.3	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		8:12	33.7	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	26	28	28	0
		10:12	39.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	26	29	28	0
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	29	26
		12:12	45	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29
	C	Flat	0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
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		1:12	4.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
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		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	26	0	27	0	0	27	0	0
		3:12	14.0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0	25	0	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		5:12	22.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		7:12	30.3	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		8:12	33.7	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	27	0	27	26	0	27	26	0
		10:12	39.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	28
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27	30	30	25	29	27	0	27	26	0
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	30	30	28
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	27	30	29	25	28	27	0
		12:12	45	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	31
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	32	29	32	30	27	30	29	25	28	27	0
	D	Flat	0	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	31	26	31	30	0	31	30	0
		1:12	4.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	29	0	29	27	0	29	25	0	28	0	0
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	26	0	27	26	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	27	0	27	0	0	27	0	0	27	0	0
		3:12	14.0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0	25	0	0	25	0	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	0	0	25	0	0	25	0	0	25	0	0
		5:12	22.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24	25	25	0	25	0	0	25	0	0	25	0	0
		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0	25	0	0	25	0	0
		7:12	30.3	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		8:12	33.7	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	27	0	27	26	0	27	26	0
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	27	0	27	26	0	27	26	0
		10:12	39.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	28
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	25	29	27	0
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
		12:12	45	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	Flat	0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	29	26
		1:12	4.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	26
		2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		6:12	26.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	26	28	28	0
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	26	29	28	0
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29
	C	Flat	0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	29	26	0
		1:12	4.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	27	0	27	26	0	27	0
		2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0	25	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	24	0	24	0	0	24	0
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	23	0	23	0	0	23	0
		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		6:12	26.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	27	0
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	28
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	25
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29
	D	Flat	0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	29	26
		1:12	4.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	27	0	27	26	0	27	0
		2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0	25	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		6:12	26.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	26	26	26	26	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	28
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		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	28
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Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		5:12	22.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29
	C	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
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		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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100		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0
	D	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	28	0	28	27	0	28	25	0	28	0	0
		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	25	0	26	0	0	26	0	0
		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		7:12	30.3	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		8:12	33.7	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		9:12	36.9	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	29	25	28	27	0	27	26	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	Flat	0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		1:12	4.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		5:12	22.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		6:12	26.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		7:12	30.3	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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	C	Flat	0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		1:12	4.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	25	0
		2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	23	0	23	0	0	23	0	0	23	0	0
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		6:12	26.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		7:12	30.3	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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	D	Flat	0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		1:12	4.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
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		2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	23	0	23	0	0	23	0	0	23	0	0
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
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		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
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		5:12	22.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		6:12	26.6	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		7:12	30.3	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		1:12	4.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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		5:12	22.6	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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		6:12	26.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		7:12	30.3	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		8:12	33.7	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		9:12	36.9	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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	C	Flat	0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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		8:12	33.7	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		9:12	36.9	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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	D	Flat	0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		1:12	4.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		5:12	22.6	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		6:12	26.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
		7:12	30.3	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
		8:12	33.7	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		9:12	36.9	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0	B	2:12	9.5	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	73	74	72	69	74	68	65	73	65	61	69	62	58	63	56	53	58	51	49	54	47	45	50	44	41	47	41	39	44	38	36
				Exposed	74	71	68	74	67	63	70	62	59	66	59	56	63	55	53	60	52	50	57	50	47	54	47	45	50	43	41	46	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	74	74	74	74	74	74	74	74	74	74	74	72	74	72	68	74	68	65	73	64	61	69	61	58	63	56	53	58	51	48	54	47	45	50	43	41	47	40	39	44	38	36
				Exposed	74	71	67	74	66	63	70	62	59	66	58	56	63	55	52	60	52	50	57	50	47	54	47	45	50	43	41	46	39	38	43	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	73	73	73	73	73	73	73	73	73	73	73	72	73	71	68	73	68	64	72	64	61	69	61	58	63	55	53	58	51	48	54	47	45	50	43	41	47	40	38	44	38	36
				Exposed	73	70	67	73	66	62	69	62	59	66	58	55	62	55	52	59	52	50	57	49	47	54	47	45	50	43	41	46	39	37	43	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	72	72		72	72		72	72		72	72		72	72		72	72		72	72		72	69		72	62		72	57		67	52		61	49		57	45		53	42	
				Exposed	72	72		72	72		72	70		72	65		72	62		72	58		71	56		67	53		61	48		56	44		51	41		47	38		44	35		41	33	
		6:12	26.6	Non-Exposed	71	71		71	71		71	71		71	71		71	71		71	71		71	71		71	68		71	62		71	57		66	52		61	48		57	45		53	42	
				Exposed	71	71		71	71		71	69		71	65		71	61		71	58		70	55		67	53		61	48		55	44		51	41		47	38		44	35		41	33	
		7:12	30.3	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	67	67	70	63	63	70	60	60	70	54	53	68	50	48	63	45	44	58	42	40	54	39	37	50	36	34
				Exposed	70	69	70	70	65	65	70	61	61	70	57	56	70	54	53	69	51	49	66	48	46	63	46	44	57	41	39	53	38	36	49	35	33	45	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	70	70	70	70	70	70	70	70	70	70	70	70	70	69	70	70	66	66	70	63	63	70	60	59	70	54	53	67	49	48	62	45	43	58	42	40	54	39	37	50	36	34
				Exposed	70	68	69	70	64	64	70	61	60	70	57	56	70	54	53	69	51	49	65	48	46	63	46	44	57	41	39	52	38	36	48	35	33	45	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	65	66	69	62	62	69	59	59	69	54	53	66	49	48	62	45	43	58	42	40	54	39	37	50	36	34
				Exposed	69	68	68	69	64	64	69	60	60	69	57	56	69	54	52	68	51	49	65	48	46	62	46	44	57	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	69	69	68	69	69	65	65	69	62	61	69	59	58	69	54	53	66	49	47	61	45	43	57	42	40	54	39	36	50	36	34
				Exposed	69	67	68	69	63	63	69	60	59	69	56	55	69	53	52	67	50	49	64	48	46	62	45	44	57	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	64	64	68	61	61	68	59	58	68	54	52	65	49	47	61	45	43	57	42	40	53	39	36	50	36	34
				Exposed	68	67	67	68	63	63	68	59	59	68	56	55	68	53	52	67	50	49	64	48	46	61	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	67	68	68	64	64	68	61	61	68	58	58	68	53	52	65	49	47	61	45	43	57	42	39	53	39	36	50	36	34
				Exposed	68	66	67	68	62	62	68	59	58	68	56	55	68	53	52	66	50	49	64	48	46	61	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	74	74	71	74	70	66	74	65	62	69	61	58	66	58	55	62	55	52	59	52	49	57	49	47	52	45	43	48	41	39	45	38	36	42	35	34	39	33	32	37	31	30
				Exposed	65	57	54	61	53	51	57	50	48	54	47	45	52	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	74	74	70	74	69	66	73	65	62	69	61	58	65	58	55	62	55	52	59	52	49	56	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	37	31	30
				Exposed	64	57	54	61	53	51	57	50	47	54	47	45	51	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	73	73	70	73	69	65	73	65	61	68	61	58	65	57	55	62	54	52	59	52	49	56	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	36	31	30
				Exposed	64	57	54	60	53	50	57	50	47	54	47	45	51	44	42	49	42	40	47	40	38	45	38	36	41	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	72	72		72	72		72	72		72	68		72	65		72	61		72	58		70	55		64	50		58	46		53	42		49	39		46	37		43	34	
				Exposed	72	64		72	60		71	56		67	53		63	50		60	47		57	45		54	43		49	39		45	36		41	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	71	71		71	71		71	71		71	68		71	64		71	61		71	58		69	55		63	50		58	46		53	42		49	39		46	37		43	34	
				Exposed	71	63		71	59		70	56		66	52		63	50		59	47		56	45		54	43		49	39		45	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	70	70	70	70	68	68	70	64	64	70	60	60	70	56	56	70	53	52	69	50	49	66	48	46	60	43	41	55	40	37	51	36	34	47	34	32	44	32	29	41	30	28
				Exposed	70	56	55	70	52	50	66	49	47	63	46	44	60	43	41	56	41	38	54	39	36	51	37	34	46	33	31	43	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	70	70	70	70	67	67	70	63	63	70	60	59	70	56	55	70	53	52	68	50	49	65	48	46	60	43	41	55	40	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	70	55	54	70	52	50	66	48	47	62	46	44	59	43	41	56	41	38	53	38	36	51	37	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	69	69	69	69	66	67	69	63	62	69	59	59	69	56	55	69	53	52	67	50	49	64	48	46	59	43	41	55	39	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	69	55	54	69	52	50	65	48	47	62	45	43	59	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	69	69	69	69	66	66	69	62	62	69	59	58	69	56	55	69	53	51	67	50	48	64	47	46	59	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	69	55	54	68	51	50	65	48	46	61	45	43	59	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	68	68	68	68	65	66	68	62	61	68	58	58	68	55	54	68	53	51	66	50	48	64	47	46	59	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	68	55	54	68	51	50	64	48	46	61	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	68	68	68	68	65	65	68	61	61	68	58	57	68	55	54	68	52	51	66	50	48	63	47	46	58	43	41	54	39	37	50	36	34	46	34	32	43	31	29	41	30	27
				Exposed	68	54	53	67	51	50	64	48	46	61	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	74	67	63	70	62	59	66	58	55	63	55	52	59	52	49	56	49	47	54	47	44	51	44	42	47	40	39	44	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	59	51	49	55	48	46	52	45	43	49	42	40	47	40	38	45	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	74	66	63	70	62	59	66	58	55	62	55	52	59	52	49	56	49	47	54	47	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	58	51	48	55	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	73	66	63	69	62	59	65	58	55	62	55	52	59	52	49	56	49	46	53	46	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	58	51	48	55	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	72	72		72	69		72	65		72	61		72	58		70	55		66	52		63	50		57	45		52	41		48	38		44	35		41	33		39	32	
				Exposed	72	57		68	53		64	50		60	47		56	45		53	42		51	40		48	38		44	35		40	33		37	31		35	29		33	27		31	26	
		6:12	26.6	Non-Exposed	71	71		71	69		71	65		71	61		71	58		69	55		66	52		62	49		57	45		52	41		48	38		44	35		41	33		38	32	
				Exposed	71	57		67	53		63	50		60	47		56	45		53	42		51	40		48	38		44	35		40	33		37	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	70	65	65	70	61	61	70	57	56	70	53	52	69	50	49	65	48	46	62	45	43	59	43	41	54	39	37	49	35	33	46	33	31	42	31	29	39	29	27	37	27	25
				Exposed	68	50	48	64	46	44	60	43	41	57	41	39	53	38	36	51	36	34	48	35	33	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	70	64	64	70	60	60	70	57	56	70	53	52	68	50	49	65	47	46	62	45	43	59	43	41	54	39	37	49	35	33	45	33	31	42	31	28	39	29	27	37	27	25
				Exposed	67	49	48	63	46	44	60	43	41	56	41	39	53	38	36	51	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	69	64	64	69	60	59	69	57	56	69	53	52	67	50	49	64	47	46	61	45	43	59	43	41	54	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	66	49	48	63	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	69	63	63	69	60	59	69	56	55	69	53	52	67	50	48	64	47	45	61	45	43	58	43	40	53	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	66	49	48	62	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	68	63	63	68	59	59	68	56	55	68	53	52	66	50	48	63	47	45	61	45	43	58	42	40	53	39	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	65	49	47	62	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	68	62	62	68	59	59	68	56	55	68	53	51	66	50	48	63	47	45	60	45	43	58	42	40	53	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	65	49	47	62	46	44	58	43	41	55	40	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	2:12	9.5	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	65	68	65	61	68	62	58	63	56	53	58	51	49	54	47	45	50	44	41	47	41	39	44	38	36
				Exposed	68	68	68	68	67	63	68	62	59	66	59	56	63	55	53	60	52	50	57	50	47	54	47	45	50	43	41	46	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	64	61	66	61	58	63	56	53	58	51	48	54	47	45	50	43	41	47	40	39	44	38	36
				Exposed	66	66	66	66	66	63	66	62	59	66	58	56	63	55	52	60	52	50	57	50	47	54	47	45	50	43	41	46	39	38	43	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	64	67	64	61	67	61	58	63	55	53	58	51	48	54	47	45	50	43	41	47	40	38	44	38	36
				Exposed	67	67	67	67	66	62	67	62	59	66	58	55	62	55	52	59	52	50	57	49	47	54	47	45	50	43	41	46	39	37	43	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	66	66		66	66		66	66		66	66		66	66		66	66		66	66		66	66		66	62		66	57		66	52		61	49		57	45		53	42	
				Exposed	66	66		66	66		66	66		66	65		66	62		66	58		66	56		66	53		61	48		56	44		51	41		47	38		44	35		41	33	
		6:12	26.6	Non-Exposed	66	66		66	66		66	66		66	66		66	66		66	66		66	66		66	66		66	62		66	57		66	52		61	48		57	45		53	42	
				Exposed	66	66		66	66		66	66		66	65		66	61		66	58		66	55		66	53		61	48		55	44		51	41		47	38		44	35		41	33	
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	63	66	60	60	66	54	53	66	50	48	63	45	44	58	42	40	54	39	37	50	36	34
				Exposed	66	66	66	66	65	65	66	61	61	66	57	56	66	54	53	66	51	49	66	48	46	63	46	44	57	41	39	53	38	36	49	35	33	45	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	63	63	66	60	59	66	54	53	66	49	48	62	45	43	58	42	40	54	39	37	50	36	34
				Exposed	66	66	66	66	64	64	66	61	60	66	57	56	66	54	53	66	51	49	65	48	46	63	46	44	57	41	39	52	38	36	48	35	33	45	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	66	66	62	62	66	59	59	66	54	53	66	49	48	62	45	43	58	42	40	54	39	37	50	36	34
				Exposed	66	66	66	66	64	64	66	60	60	66	57	56	66	54	52	66	51	49	65	48	46	62	46	44	57	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	65	65	66	62	61	66	59	58	66	54	53	66	49	47	61	45	43	57	42	40	54	39	36	50	36	34
				Exposed	66	66	66	66	63	63	66	60	59	66	56	55	66	53	52	66	50	49	64	48	46	62	45	44	57	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	64	64	67	61	61	67	59	58	67	54	52	65	49	47	61	45	43	57	42	40	53	39	36	50	36	34
				Exposed	67	67	67	67	63	63	67	59	59	67	56	55	67	53	52	67	50	49	64	48	46	61	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	67	64	64	67	61	61	67	58	58	67	53	52	65	49	47	61	45	43	57	42	39	53	39	36	50	36	34
				Exposed	67	66	67	67	62	62	67	59	58	67	56	55	67	53	52	66	50	49	64	48	46	61	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	68	68	68	68	68	66	68	65	62	68	61	58	66	58	55	62	55	52	59	52	49	57	49	47	52	45	43	48	41	39	45	38	36	42	35	34	39	33	32	37	31	30
				Exposed	65	57	54	61	53	51	57	50	48	54	47	45	52	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	66	66	66	66	66	66	66	65	62	66	61	58	65	58	55	62	55	52	59	52	49	56	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	37	31	30
				Exposed	64	57	54	61	53	51	57	50	47	54	47	45	51	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	67	67	67	67	67	65	67	65	61	67	61	58	65	57	55	62	54	52	59	52	49	56	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	36	31	30
				Exposed	64	57	54	60	53	50	57	50	47	54	47	45	51	44	42	49	42	40	47	40	38	45	38	36	41	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	66	66		66	66		66	66		66	66		66	65		66	61		66	58		66	55		66	50		66	46		53	42		46	34		43	34	
				Exposed	66	64		66	60		66	56		66	53		63	50		60	47		57	45		54	43		49	39		45	36		41	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	66	66		66	66		66	66		66	66		66	64		66	61		66	58		66	55		63	50		58	46		53	42		49	39		46	37		43	34	
				Exposed	66	63		66	59		66	56		66	52		63	50		59	47		56	45		54	43		49	39		45	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	66	66	66	66	66	66	66	64	64	66	60	60	66	56	56	66	53	52	66	50	49	66	48	46	60	43	41	55	40	37	51	36	34	47	34	32	44	32	29	41	30	28
				Exposed	66	56	55	66	52	50	66	49	47	63	46	44	60	43	41	56	41	38	54	39	36	51	37	34	46	33	31	43	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	66	66	66	66	66	66	66	63	63	66	60	59	66	56	55	66	53	52	66	50	49	65	48	46	60	43	41	55	40	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	66	55	54	66	52	50	66	48	47	62	46	44	59	43	41	56	41	38	53	38	36	51	37	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	66	66	66	66	66	66	66	63	62	66	59	59	66	56	55	66	53	52	66	50	49	64	48	46	59	43	41	55	39	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	66	55	54	66	52	50	65	48	47	62	45	43	59	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	66	66	66	66	66	66	66	62	62	66	59	58	66	56	55	66	53	51	66	50	48	64	47	46	59	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	66	55	54	66	51	50	65	48	46	61	45	43	59	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	67	67	67	67	65	66	67	62	61	67	58	58	67	55	54	67	53	51	66	50	48	64	47	46	59	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	67	55	54	67	51	50	64	48	46	61	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	67	67	67	67	65	65	67	61	61	67	58	57	67	55	54	67	52	51	66	50	48	63	47	46	58	43	41	54	39	37	50	36	34	46	34	32	43	31	29	41	30	27
				Exposed	67	54	53	67	51	50	64	48	46	61	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	68	67	63	68	62	59	66	58	55	63	55	52	59	52	49	56	49	47	54	47	44	51	44	42	47	40	39	44	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	59	51	49	55	48	46	52	45	43	49	42	40	47	40	38	45	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	66	66	63	66	62	59	66	58	55	62	55	52	59	52	49	56	49	47	54	47	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	58	51	48	55	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	67	66	63	67	62	59	65	58	55	62	55	52	59	52	49	56	49	46	53	46	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	58	51	48	55	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	66	66		66	66		66	65		66	61		66	58		66	55		66	52		63	50		57	45		52	41		48	38		44	35		41	33		39	32	
				Exposed	66	57		66	53		64	50		60	47		56	45		53	42		51	40		48	38		44	35		40	33		37	31		35	29		33	27		31	26	
		6:12	26.6	Non-Exposed	66	66		66	66		66	65		66	61		66	58		66	55		66	52		62	49		57	45		52	41		48	38		44	35		41	33		38	32	
				Exposed	66	57		66	53		63	50		60	47		56	45		53	42		51	40		48	38		44	35		40	33		37	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	66	65	65	66	61	61	66	57	56	66	53	52	66	50	49	65	48	46	62	45	43	59	43	41	54	39	37	49	35	33	46	33	31	42	31	29	39	29	27	37	27	25
				Exposed	66	50	48	64	46	44	60	43	41	57	41	39	53	38	36	51	36	34	48	35	33	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	66	64	64	66	60	60	66	57	56	66	53	52	66	50	49	65	47	46	62	45	43	59	43	41	54	39	37	49	35	33	45	33	31	42	31	28	39	29	27	37	27	25
				Exposed	66	49	48	63	46	44	60	43	41	56	41	39	53	38	36	51	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	66	64	64	66	60	59	66	57	56	66	53	52	66	50	49	64	47	46	61	45	43	59	43	41	54	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	66	49	48	63	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	66	63	63	66	60	59	66	56	55	66	53	52	66	50	48	64	47	45	61	45	43	58	43	40	53	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	66	49	48	62	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	67	63	63	67	59	59	67	56	55	67	53	52	66	50	48	63	47	45	61	45	43	58	42	40	53	39	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	65	49	47	62	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	67	62	62	67	59	58	67	56	55	67	53	51	66	50	48	63	47	45	60	45	43	58	42	40	53	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	65	49	47	62	46	44	58	43	41	55	40	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	2:12	9.5	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	58	59	56	53	58	51	49	54	47	45	50	44	41	47	41	39	44	38	36
				Exposed	59	59	59	59	59	59	59	59	59	59	59	56	59	55	53	59	52	50	57	50	47	54	47	45	50	43	41	46	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	53	57	51	48	54	47	45	50	43	41	47	40	39	44	38	36			
				Exposed	57	57	57	57	57	57	57	57	57	57	57	56	57	55	52	57	52	50	57	50	47	54	47	45	50	43	41	46	39	38	43	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	53	58	51	48	54	47	45	50	43	41	47	40	38	44	38	36			
				Exposed	58	58	58	58	58	58	58	58	58	58	58	55	58	55	52	58	52	50	57	49	47	54	47	45	50	43	41	46	39	37	43	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	57		58	52		58	49		57	45		53	42	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	56		58	53		58	48		56	44		51	41		47	38		44	35		41	33	
		6:12	26.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	57		58	52		58	48		57	45		53	42	
				Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	55		58	53		58	48		55	44		51	41		47	38		44	35		41	33	
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	54	53	58	50	48	58	45	44	58	42	40	54	39	37	50	36	34
				Exposed	58	58	58	58	58	58	58	58	58	58	57	56	58	54	53	58	51	49	58	48	46	58	46	44	57	41	39	53	38	36	49	35	33	45	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	59	54	53	59	49	48	59	45	43	58	42	40	54	39	37	50	36	34
				Exposed	59	59	59	59	59	59	59	59	59	59	57	56	59	54	53	59	51	49	59	48	46	59	46	44	57	41	39	52	38	36	48	35	33	45	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	59	60	54	53	60	49	48	60	45	43	58	42	40	54	39	37	50	36	34
				Exposed	60	60	60	60	60	60	60	60	60	60	57	56	60	54	52	60	51	49	60	48	46	60	46	44	57	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	58	60	54	53	60	49	47	60	45	43	57	42	40	54	39	36	50	36	34
				Exposed	60	60	60	60	60	60	60	60	59	60	56	55	60	53	52	60	50	49	60	48	46	60	45	44	57	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	58	61	54	52	61	49	47	61	45	43	57	42	40	53	39	36	50	36	34
				Exposed	61	61	61	61	61	61	61	59	59	61	56	55	61	53	52	61	50	49	61	48	46	61	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	61	62	58	58	62	53	52	62	49	47	61	45	43	57	42	39	53	39	36	50	36	34
				Exposed	62	62	62	62	62	62	62	59	58	62	56	55	62	53	52	62	50	49	62	48	46	61	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	58	59	58	55	59	55	52	59	52	49	57	49	47	52	45	43	48	41	39	45	38	36	42	35	34	39	33	32	37	31	30
				Exposed	59	57	54	59	53	51	57	50	48	54	47	45	52	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	57	55	52	57	52	49	56	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	37	31	30
				Exposed	57	57	54	57	53	51	57	50	47	54	47	45	51	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	57	55	58	54	52	58	52	49	56	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	36	31	30
				Exposed	58	57	54	58	53	50	57	50	47	54	47	45	51	44	42	49	42	40	47	40	38	45	38	36	41	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	55		58	50		57	46		53	42		49	39		46	37		43	34	
				Exposed	58	58		58	58		58	56		58	53		58	50		58	47		57	45		54	43		49	39		45	36		41	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	58		58	58		58	55		58	50		57	46		53	42		49	39		46	37		43	34	
				Exposed	58	58		58	58		58	56		58	52		58	50		58	47		56	45		54	43		49	39		45	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	56	56	58	53	52	58	50	49	58	48	46	58	43	41	55	40	37	51	36	34	47	34	32	44	32	29	41	30	28
				Exposed	58	56	55	58	52	50	58	49	47	58	46	44	58	43	41	56	41	38	54	39	36	51	37	34	46	33	31	43	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	56	55	59	53	52	59	50	49	59	48	46	59	43	41	55	40	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	59	55	54	59	52	50	59	48	47	59	46	44	59	43	41	56	41	38	53	38	36	51	37	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	60	60	59	59	60	56	55	60	53	52	60	50	49	60	48	46	59	43	41	55	39	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	60	55	54	60	52	50	60	48	47	60	45	43	59	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	60	60	59	58	60	56	55	60	53	51	60	50	48	60	47	46	59	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	60	55	54	60	51	50	60	48	46	60	45	43	59	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	58	58	61	55	54	61	53	51	61	50	48	61	47	46	59	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	61	55	54	61	51	50	61	48	46	61	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	62	62	62	62	62	62	62	61	61	62	58	57	62	55	54	62	52	51	62	50	48	62	47	46	58	43	41	54	39	37	50	36	34	46	34	32	43	31	29	41	30	27
				Exposed	62	54	53	62	51	50	62	48	46	61	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	59	59	59	59	59	59	59	58	55	59	55	52	59	52	49	56	49	47	54	47	44	51	44	42	47	40	39	44	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	59	51	49	55	48	46	52	45	43	49	42	40	47	40	38	45	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	57	57	57	57	57	57	57	57	55	57	55	52	57	52	49	56	49	47	54	47	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	57	51	48	55	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	58	58	58	58	58	58	58	58	55	58	55	52	58	52	49	56	49	46	53	46	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	58	51	48	55	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	55		58	52		58	50		57	45		52	41		48	38		44	35		41	33		39	32	
				Exposed	58	57		58	53		58	50		58	47		56	45		53	42		51	40		48	38		44	35		40	33		37	31		35	29		33	27		31	26	
		6:12	26.6	Non-Exposed	58	58		58	58		58	58		58	58		58	58		58	55		58	52		58	49		57	45		52	41		48	38		44	35		41	33		38	32	
				Exposed	58	57		58	53		58	50		58	47		56	45		53	42		51	40		48	38		44	35		40	33		37	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	58	58	58	58	58	58	57	56	58	53	52	58	50	49	58	48	46	58	45	43	58	43	41	54	39	37	49	35	33	46	33	31	42	31	29	39	29	27	37	27	25
				Exposed	58	50	48	58	46	44	58	43	41	57	41	39	53	38	36	51	36	34	48	35	33	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	59	59	59	59	59	59	59	57	56	59	53	52	59	50	49	59	47	46	59	45	43	59	43	41	54	39	37	49	35	33	45	33	31	42	31	28	39	29	27	37	27	25
				Exposed	59	49	48	59	46	44	59	43	41	56	41	39	53	38	36	51	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	60	60	60	60	60	59	60	57	56	60	53	52	60	50	49	60	47	46	60	45	43	59	43	41	54	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	60	49	48	60	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	60	60	60	60	60	59	60	56	55	60	53	52	60	50	48	60	47	45	60	45	43	58	43	40	53	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	60	49	48	60	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	61	61	61	61	59	59	61	56	55	61	53	52	61	50	48	61	47	45	61	45	43	58	42	40	53	39	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	61	49	47	61	46	44	59	43	41	56	41	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	62	62	62	62	59	58	62	56	55	62	53	51	62	50	48	62	47	45	60	45	43	58	42	40	53	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	62	49	47	62	46	44	58	43	41	55	40	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	49	53	47	45	50	44	41	47	41	39	44	38	36
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	50	53	50	47	53	47	45	50	43	41	46	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	48	51	47	45	50	43	41	47	40	39	44	38	36
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	50	47	51	47	45	50	43	41	46	39	38	43	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	48	52	47	45	50	43	41	47	40	38	44	38	36
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	49	47	52	47	45	50	43	41	46	39	37	43	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	49		51	45		50	42	
				Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	48		52	44		51	41		47	38		44	35		41	33	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	52		52	48		51	45		50	42	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	48		53	44		51	41		47	38		44	35		41	33	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	48	53	45	44	53	42	40	52	39	37	50	36	34
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	49	53	48	46	53	46	44	53	41	39	53	38	36	49	35	33	45	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	49	48	54	45	43	54	42	40	53	39	37	50	36	34
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	51	49	54	48	46	54	46	44	54	41	39	52	38	36	48	35	33	45	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	53	55	49	48	55	45	43	55	42	40	53	39	37	50	36	34
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	54	52	55	51	49	55	48	46	55	46	44	55	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	54	53	56	49	47	56	45	43	56	42	40	54	39	36	50	36	34
				Exposed	56	56	56	56	56	56	56	56	56	56	56	55	56	53	52	56	50	49	56	48	46	56	45	44	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	54	52	57	49	47	57	45	43	57	42	40	53	39	36	50	36	34
				Exposed	57	57	57	57	57	57	57	57	57	57	56	55	57	53	52	57	50	49	57	48	46	57	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	58	53	52	58	49	47	58	45	43	57	42	39	53	39	36	50	36	34
				Exposed	58	58	58	58	58	58	58	58	58	58	56	55	58	53	52	58	50	49	58	48	46	58	45	43	56	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	52	49	53	49	47	52	45	43	48	41	39	45	38	36	42	35	34	39	33	32	37	31	30
				Exposed	53	53	53	53	53	51	53	50	48	53	47	45	52	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	49	47	50	45	43	48	41	39	44	38	36	41	35	34	39	33	32	37	31	30
				Exposed	51	51	51	51	51	51	51	50	47	51	47	45	51	45	42	49	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	47	52	45	43	48	41	39	44	38	36	41	35	34	39	33	32	36	31	30
				Exposed	52	52	52	52	52	50	52	50	47	52	47	45	51	44	42	49	42	40	47	40	38	45	38	36	41	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	50		51	46		50	42		49	39		46	37		43	34	
				Exposed	52	52		52	52		52	52		52	52		52	50		52	47		52	45		52	43		49	39		45	36		41	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		52	50		51	46		50	42		49	39		46	37		43	34	
				Exposed	53	53		53	53		53	53		53	52		53	50		53	47		53	45		53	43		49	39		45	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	50	49	53	48	46	53	43	41	52	40	37	51	36	34	47	34	32	44	32	29	41	30	28
				Exposed	53	53	53	53	52	50	53	49	47	53	46	44	53	43	41	53	41	38	53	39	36	51	37	34	46	33	31	43	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	52	54	50	49	54	48	46	54	43	41	53	40	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	54	54	54	54	52	50	54	48	47	54	46	44	54	43	41	54	41	38	53	38	36	51	37	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	52	55	50	49	55	48	46	55	43	41	54	39	37	50	36	34	47	34	32	44	32	29	41	30	28
				Exposed	55	55	54	55	52	50	55	48	47	55	45	43	55	43	41	55	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	56	53	51	56	50	48	56	47	46	56	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	56	55	54	56	51	50	56	48	46	56	45	43	56	43	41	56	40	38	53	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	55	54	57	53	51	57	50	48	57	47	46	57	43	41	54	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	57	55	54	57	51	50	57	48	46	57	45	43	57	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	58	58	58	58	57	58	55	54	58	52	51	58	50	48	58	47	46	58	43	41	54	39	37	50	36	34	46	34	32	43	31	29	41	30	27
				Exposed	58	54	53	58	51	50	58	48	46	58	45	43	58	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53
				Exposed	53	51	49	53	48	46	52	45	43	49	42	40	47	40	38	45	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	49	47	51	47	44	50	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	51	51	48	51	48	45	51	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	49	46	52	46	44	51	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	52	51	48	52	48	45	52	45	43	49	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	52	52		52	52		52	52		52	52		52	52		52	52		52	52		52	50		51	45		50	41		48	38		44	35		41	33		39	32	
				Exposed	52	52		52	52		52	50		52	47		52	45		52	42		51	40		48	38		44	35		40	33		37	31		35	29		33	27		31	26	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	52		52	49		51	45		50	41		48	38		44	35		41	33		38	32	
				Exposed	53	53		53	53		53	50		53	47		53	45		53	42		51	40		48	38		44	35		40	33		37	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	50	49	53	48	46	53	45	43	53	43	41	52	39	37	49	35	33	46	33	31	42	31	29	39	29	27	37	27	25
				Exposed	53	50	48	53	46	44	53	43	41	53	41	39	53	38	36	51	36	34	48	35	33	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	53	52	54	50	49	54	47	46	54	45	43	54	43	41	53	39	37	49	35	33	45	33	31	42	31	28	39	29	27	37	27	25
				Exposed	54	49	48	54	46	44	54	43	41	54	41	39	53	38	36	51	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	55	55	55	55	55	55	55	55	55	55	53	52	55	50	49	55	47	46	55	45	43	55	43	41	53	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	55	49	48	55	46	44	55	43	41	55	41	38	53	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	56	56	56	56	56	56	56	56	55	56	53	52	56	50	48	56	47	45	56	45	43	56	43	40	53	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	56	49	48	56	46	44	56	43	41	56	41	38	53	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	57	57	57	57	57	57	57	56	55	57	53	52	57	50	48	57	47	45	57	45	43	57	42	40	53	39	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	57	49	47	57	46	44	57	43	41	56	41	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	58	58	58	58	58	58	58	56	55	58	53	51	58	50	48	58	47	45	58	45	43	58	42	40	53	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	58	49	47	58	46	44	58	43	41	55	40	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
20	B	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	45	48	44	41	47	41	39	44	38	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	47	45	48	43	41	46	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	41	44	38	36			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	41	45	39	38	43	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	43	41	47	40	38	44	38	36			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	47	45	48	43	41	46	39	37	43	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	47		47	45		46	42	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	44		48	41		47	38		44	35		41	33	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	45		46	42	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	44		48	41		47	38		44	35		41	33	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	45	44	49	42	40	48	39	37	47	36	34
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	46	44	49	41	39	49	38	36	49	35	33	45	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	48	50	45	43	49	42	40	49	39	37	48	36	34
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	48	46	50	46	44	50	41	39	50	38	36	48	35	33	45	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	48	51	45	43	51	42	40	50	39	37	49	36	34
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	48	46	51	46	44	51	41	39	51	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	47	52	45	43	52	42	40	51	39	36	50	36	34
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	49	52	48	46	52	45	44	52	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	49	47	53	45	43	53	42	40	52	39	36	50	36	34			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	50	49	53	48	46	53	45	43	53	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26			
		12:12	45	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	53	52	55	49	47	55	45	43	54	42	39	53	39	36	50	36	34			
				Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	53	52	55	50	49	55	48	46	55	45	43	55	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	45	43	47	41	39	45	38	36	42	35	34	39	33	32	37	31	30			
				Exposed	48	48	48	48	48	48	48	48	48	48	47	45	48	45	42	48	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	41	39	44	38	36	41	35	34	39	33	32	37	31	30
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	45	42	40	45	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	45	43	47	41	39	44	38	36	41	35	34	39	33	32	36	31	30
				Exposed	48	48	48	48	48	48	48	48	47	48	47	45	48	44	42	48	42	40	47	40	38	45	38	36	41	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	46		46	42		45	39		44	37		43	34	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	47		48	45		48	43		48	39		45	36		41	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	46		46	42		45	39		45	37		43	34	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	47		48	45		48	43		48	39		45	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	43	41	48	40	37	47	36	34	46	34	32	44	32	29	41	30	28
				Exposed	49	49	49	49	49	49	49	49	47	49	46	44	49	43	41	49	41	38	49	39	36	49	37	34	46	33	31	43	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	48	46	50	43	41	49	40	37	48	36	34	47	34	32	44	32	29	41	30	28
				Exposed	50	50	50	50	50	50	50	48	47	50	46	44	50	43	41	50	41	38	50	38	36	50	37	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	49	51	48	46	51	43	41	50	39	37	49	36	34	47	34	32	44	32	29	41	30	28
				Exposed	51	51	51	51	51	50	51	48	47	51	45	43	51	43	41	51	40	38	51	38	36	51	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	52	47	46	52	43	41	51	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	52	52	52	52	51	50	52	48	46	52	45	43	52	43	41	52	40	38	52	38	36	51	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	50	48	53	47	46	53	43	41	52	39	37	50	36	34	47	34	32	43	31	29	41	30	27
				Exposed	53	53	53	53	51	50	53	48	46	53	45	43	53	43	41	53	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	54	55	52	51	55	50	48	55	47	46	55	43	41	54	39	37	50	36	34	46	34	32	43	31	29	41	30	27
				Exposed	55	54	53	55	51	50	55	48	46	55	45	43	55	43	41	55	40	38	53	38	36	50	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	47	44	48	44	42	47	40	39	44	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	48	48	48	48	48	46	48	45	43	48	42	40	47	40	38	45	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	44	42	45	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	45	45	45	45	45	45	45	45	43	45	42	40	45	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	44	48	44	42	47	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	48	48	48	48	48	45	48	45	43	48	42	40	47	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	45		46	41		45	38		44	35		41	33		39	32	
				Exposed	48	48		48	48		48	48		48	47		48	45		48	42		48	40		48	38		44	35		40	33		37	31		35	29		33	27		31	26	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		47	45		46	41		45	38		44	35		41	33		38	32	
				Exposed	48	48		48	48		48	48		48	47		48	45		48	42		48	40		48	38		44	35		40	33		37	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	45	43	49	43	41	48	39	37	47	35	33	46	33	31	42	31	29	39	29	27	37	27	25
				Exposed	49	49	48	49	46	44	49	43	41	49	41	39	49	38	36	49	36	34	48	35	33	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	47	46	50	45	43	50	43	41	49	39	37	48	35	33	45	33	31	42	31	28	39	29	27	37	27	25
				Exposed	50	49	48	50	46	44	50	43	41	50	41	39	50	38	36	50	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	50	49	51	47	46	51	45	43	51	43	41	50	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	51	49	48	51	46	44	51	43	41	51	41	38	51	38	36	50	36	34	48	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	50	48	52	47	45	52	45	43	52	43	40	51	39	36	49	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	52	49	48	52	46	44	52	43	41	52	41	38	52	38	36	50	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	52	53	50	48	53	47	45	53	45	43	53	42	40	52	39	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	53	49	47	53	46	44	53	43	41	53	41	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	55	55	55	55	55	55	55	55	55	55	53	51	55	50	48	55	47	45	55	45	43	55	42	40	53	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	55	49	47	55	46	44	55	43	41	55	40	38	53	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	44	41	46	41	39	44	38	36
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	43	41	46	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	40	39	43	38	36
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	39	38	43	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	38	36
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	39	37	43	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	41		43	38		43	35		41	33				
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		43	42				
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	41		44	38		44	35		41	33				
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	42	40	45	39	37	44	36	34			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	41	39	45	38	36	45	35	33	45	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	42	40	46	39	37	45	36	34			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	41	39	46	38	36	46	35	33	45	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	43	47	42	40	47	39	37	46	36	34
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	44	41	48	39	38	48	38	35	48	35	33	45	32	30	42	30	28
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	45	43	49	42	40	48	39	36	47	36	34
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	45	44	49	41	39	49	38	35	48	35	33	45	32	30	42	30	28
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	47	50	45	43	50	42	40	49	39	36	48	36	34
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	48	46	50	45	43	50	41	39	50	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	47	52	45	43	51	42	39	50	39	36	50	36	34
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	49	52	48	46	52	45	43	52	41	39	52	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	43	46	41	39	45	38	36	42	35	34	39	33	32	37	31	30
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	45	42	47	42	40	47	40	38	45	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	41	39	43	38	36	41	35	34	39	33	32	37	31	30
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	42	40	44	40	38	44	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	36	41	35	34	39	33	32	36	31	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	42	40	43	40	38	43	38	36	41	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		42	39		41	37		41	34				
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	39		43	36		41	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	42		43	42		42	39		42	37		41	34	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	43		44	39		44	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	41	45	40	37	44	36	34	43	34	32	42	32	29	41	30	28
				Exposed	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41	45	41	38	45	39	36	45	37	34	45	33	31	43	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	41	46	40	37	45	36	34	44	34	32	43	32	29	41	30	28
				Exposed	46	46	46	46	46	46	46	46	46	46	46	44	46	43	41	46	41	38	46	38	36	46	37	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	43	41	47	39	37	46	36	34	45	34	32	44	32	29	41	30	28
				Exposed	48	48	48	48	48	48	48	48	47	48	45	43	48	43	41	48	40	38	48	38	36	48	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	47	46	49	43	41	48	39	37	47	36	34	46	34	32	43	31	29	41	30	27
				Exposed	49	49	49	49	49	49	49	48	46	49	45	43	49	43	41	49	40	38	49	38	36	49	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	45	43	50	42	40	49	39	36	48	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	50	49	47	50	46	44	50	43	41	50	41	38	50	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	52	47	45	52	45	43	52	42	40	50	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	52	49	47	52	46	44	52	43	41	52	40	38	52	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
	D	2:12	9.5	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	44	42	46	40	39	44	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	47	47	47	47	47	46	47	45	43	47	42	40	47	40	38	45	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	44	44	44	44	44	44	44	44	43	44	42	40	44	40	38	44	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	40	38	43	37	35	40	34	33	38	32	31	35	30	29	33	29	28			
				Exposed	43	43	43	43	43	43	43	43	43	43	42	40	43	40	38	43	38	36	42	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	41		42	38		41	35		40	33		39	32	
				Exposed	43	43		43	43		43	43		43	43		43	42		43	40		43	38		43	35		40	33		37	31		35	29		33	27		31	26				
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	41		42	38		41	35		40	33		38	32				
				Exposed	44	44		44	44		44	44		44	44		44	42		44	40		44	38		44	35		40	33		37	31		34	29		33	27		31	26				
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	43	41	45	39	37	44	35	33	43	33	31	42	31	29	39	29	27	37	27	25
				Exposed	45	45	45	45	45	44	45	43	41	45	41	39	45	38	36	45	36	34	45	35	33	45	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	43	46	43	41	45	39	37	45	35	33	44	33	31	42	31	28	39	29	27	37	27	25
				Exposed	46	46	46	46	46	44	46	43	41	46	41	39	46	38	36	46	36	34	46	35	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	46	48	45	43	47	43	41	47	39	36	46	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	48	48	48	48	46	44	48	43	41	48	41	38	48	38	36	48	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	47	45	49	45	43	49	43	40	48	39	36	47	35	33	45	33	31	42	31	28	39	29	26	37	27	25
				Exposed	49	49	48	49	46	44	49	43	41	49	41	38	49	38	36	49	36	34	48	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	47	45	50	45	43	50	42	40	49	39	36	48	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	50	49	47	50	46	44	50	43	41	50	41	38	50	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	51	52	50	48	52	47	45	52	45	43	52	42	40	50	38	36	49	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	52	49	47	52	46	44	52	43	41	52	40	38	52	38	36	50	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39	43	38	36
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	36		
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	38	40	36	35	40	34	33	37	32	31	35	30	29
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	36		
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	37	40	36	35	40	34	33	37	32	31	35	30	29
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40			
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	38		40	35		40	33			
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41			
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	38		41	35		41	33			
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	39	37	41	36	34		
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	36	42	35	33	42	32	30	42	30	28	39	29	26
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	37	42	36	34
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	36	43	35	33	43	32	30	42	30	28	39	28	26
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	40	44	39	37	43	36	34
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	39	44	38	35	44	35	33	44	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	43	46	42	40	45	39	36	45	36	34
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	41	39	46	38	35	46	35	33	45	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	45	43	47	42	40	47	39	36	46	36	34
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	45	43	48	41	39	48	38	35	48	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	45	43	49	42	39	48	39	36	47	36	34
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	46	49	45	43	49	41	39	49	38	35	48	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	36	42	35	34	39	33	32	37	31	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	42	40	43	40	38	43	38	36	41	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	35	34	39	33	32	37	31	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	39	35	34	39	33	32	36	31	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	35	33	38	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	39		39	37		38	34	
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	39		40	36		40	33		38	31		36	30		34	28	
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		40	39		39	34			
				Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	39		41	36		41	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	37	41	36	34	41	34	32	40	32	29	39	30	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	41	38	42	41	38	42	39	36	42	37	34	42	33	31	42	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	37	42	36	34	42	34	32	41	32	29	40	30	28
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	38	43	38	36	43	37	34	43	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	39	37	43	36	34	43	34	32	42	32	29	41	30	28
				Exposed	44	44	44	44	44	44	44	44	43	44	43	41	44	40	38	44	38	36	44	36	34	44	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0			
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	41	45	39	37	45	36	34	44	34	32	43	31	29	41	30	27
				Exposed	46	46	46	46	46	46	46	46	45	46	43	41	46	40	38	46	38	36	46	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0			
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	46	48	43	41	47	39	37	46	36	34	45	34	32	43	31	29	41	30	27
				Exposed	48	48	48	48	48	48	48	48	46	48	45	43	48	43	41	48	40	38	48	38	36	48	36	34	46	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	47	46	49	43	41	48	39	37	47	36	34	46	34	32	43	31	29	41	30	27
				Exposed	49	49	49	49	49	49	49	48	46	49	45	43	49	43	41	49	40	38	49	38	36	49	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	40	39	42	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	43	43	43	43	43	43	43	43	43	43	42	40	43	40	38	43	38	36	43	36	35	41	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	40	34	33	38	32	31	35	30	29	33	29	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	36	35	40	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	39	34	33	38	32	31	35	30	29	33	29	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	36	35	40	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		39	38		39	35		38	33		37	32			
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	38		40	35		40	33		37	31		35	29		33	27		31	26			
		6:12	26.6	Non-Exposed	41	41		41	41		41	41		41	41		41	41		41	41		41	41		41	41		40	40		39	35		38	33		37	32						
				Exposed	41	41		41	41		41	41		41	41		41	41		41	40		41	38		41	35		40	33		37	31		34	29		33	27		31	26			
		7:12	30.3	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	39	37	41	35	33	40	33	31	40	31	29	39	29	27	37	27	25			
				Exposed	42	42	42	42	42	42	41	42	41	39	42	38	36	42	36	34	42	35	33	42	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0			
		8:12	33.7	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	39	37	42	35	33	41	33	31	41	31	28	39	29	27	37	27	25
				Exposed	43	43	43	43	43	43	43	41	43	41	39	43	38	36	43	36	34	43	35	32	43	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0		
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	43	41	44	39	36	43	35	33	42	33	31	42	31	28	39	29	26	37	27	25
				Exposed	44	44	44	44	44	44	44	43	41	44	41	38	44	38	36	44	36	34	44	35	32	44	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	45	43	46	43	40	45	39	36	44	35	33	44	33	31	42	31	28	39	29	26	37	27	25
				Exposed	46	46	46	46	46	44	46	43	41	46	41	38	46	38	36	46	36	34	46	34	32	46	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	45	48	45	43	48	42	40	47	39	36	46	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	48	48	47	48	46	44	48	43	41	48	41	38	48	38	36	48	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	47	45	49	45	43	49	42	40	48	38	36	47	35	33	45	33	31	42	30	28	39	29	26	37	27	25
				Exposed	49	49	47	49	46	44	49	43	41	49	40	38	49	38	36	49	36	34	48	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	2:12	9.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	40	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	34	33	37	32	31	35	30	29	34	29	28
		4:12	18.4	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	34	33	37	32	31	35	30	29	34	29	28
		5:12	22.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	35		37	33		37	33		36	33	
		6:12	26.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	35		38	33		38	33		36	33	
		7:12	30.3	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	36	34
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	33	39	32	30	39	30	28	39	29	26
		8:12	33.7	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	37	40	36	34
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	35	33	40	32	30	40	30	28	39	28	26
		9:12	36.9	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	39	37	41	36	34
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	35	42	35	33	42	32	30	42	30	28	39	28	26
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	36	43	36	34
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	35	43	35	33	43	32	30	42	30	28	39	28	26
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	42	40	45	39	36	44	36	34	43	34	32
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	41	39	45	38	35	45	35	33	45	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	43	41	46	39	37	45	36	34	43	31	29
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	45	43	47	41	39	47	38	35	47	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	35	34	39	33	32	37	31	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	35	34	38	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	32	37	31	30	36	30	29
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	34	37	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	32	36	31	30	35	30	29
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33	37	33	31	35	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		36	34		35	33	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	36		37	33		37	31		36	30		34	28		33	28	
		6:12	26.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		37	34		36	34	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	36		38	33		38	31		36	30		34	28	
		7:12	30.3	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	36	34	39	34	32	38	32	29	38	30	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	39	39	39	39	38	39	39	36	39	37	34	39	33	31	39	31	29	39	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	36	34	40	34	32	39	32	29	38	30	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	38	40	38	36	40	37	34	40	33	31	39	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	39	37	41	36	34	41	34	32	40	32	29	39	30	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	38	36	42	36	34	42	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0	30	0	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	39	37	43	36	34	42	34	32	41	31	29	40	30	27
				Exposed	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	38	36	43	36	34	43	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0	30	0	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	41	45	39	37	44	36	34	43	34	32	42	31	29	41	30	27
				Exposed	45	45	45	45	45	45	45	45	45	45	45	43	45	43	41	45	40	38	45	38	36	45	36	34	45	33	31	42	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	43	41	46	39	37	45	36	34	45	34	32	43	31	29	41	30	27
				Exposed	47	47	47	47	47	47	47	47	46	47	45	43	47	43	41	47	40	38	47	38	36	47	36	34	46	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	37	35	40	34	33	38	32	31	35	31	29	33	29	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	36	35	40	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0			
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	33	37	32	31	35	30	29	33	29	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	35	37	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	33	37	32	31	35	30	29	33	29	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	35	37	35	33	37	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	35		36	33		35	32	
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	35		37	33		37	31		35	29		33	27		31	26	
		6:12	26.6	Non-Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		37	35		36	33		36	32	
				Exposed	38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	38		38	35		38	33		37	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	35	33	38	33	31	38	31	29	37	29	27	36	27	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	36	39	36	34	39	35	33	39	33	31	39	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0			
		8:12	33.7	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	37	40	35	33	39	33	31	39	31	28	38	29	27	37	27	25
				Exposed	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	36	34	40	35	32	40	33	31	40	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	39	36	41	35	33	40	33	31	40	31	28	39	29	26	37	27	25
				Exposed	42	42	42	42	42	42	42	42	41	42	41	38	42	38	36	42	36	34	42	35	32	42	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	39	36	42	35	33	42	33	31	41	31	28	39	29	26	37	27	25
				Exposed	43	43	43	43	43	43	43	43	41	43	41	38	43	38	36	43	36	34	43	34	32	43	33	31	42	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	42	40	45	39	36	44	35	33	43	33	31	42	30	28	39	29	26	37	27	25
				Exposed	45	45	45	45	45	44	45	43	41	45	41	38	45	38	36	45	36	34	45	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	45	43	47	42	40	46	38	36	45	35	33	44	33	31	42	30	28	39	29	26	37	27	25
				Exposed	47	47	47	47	46	44	47	43	41	47	40	38	47	38	36	47	36	34	47	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	33	37	32	31	35	30	29
		3:12	14.0	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	35	32	31	35	30	29		
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	35	32	31	35	30	29		
		5:12	22.6	Non-Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35	
				Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	33			
		6:12	26.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36	
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	35		36	36		36	33			
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33	36	32	30	36	30	28	36	29	26
		8:12	33.7	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	35	33	38	32	30	38	30	28	38	28	26
		9:12	36.9	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	35	39	35	33	39	32	30	39	30	28	39	28	26
		10:12	39.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	39	36	41	36	34
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	35	41	35	33	41	32	30	41	30	28	39	28	26
		11:12	42.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	36	42	36	34			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	38	43	35	33	43	32	30	42	30	28	39	28	26
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	39	44	39	36	44	36	34			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	41	39	45	38	35	45	35	33	45	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	32	37	31	30			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	32	35	31	30			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	30	29	33	29	27	31	27	26	30	26	0			
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	32	35	31	30			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	31	35	30	29	33	29	27	31	27	26	30	25	0			
		5:12	22.6	Non-Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	34			
				Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	33		35	31		35	30		34	28			
		6:12	26.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		35	34			
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	33		36	31		36	30		34	28						
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	32	29	36	32	29	36	30	28			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	33	31	36	31	29	36	29	27	36	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	34	38	34	32	37	32	29	37	30	28
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	34	33	38	31	29	38	29	26	36	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	36	34	39	34	32	38	32	29	38	30	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	33	31	39	31	29	39	29	26	36	27	25	34	25	0	32	0	0						
		10:12	39.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	39	37	41	36	34	40	34	32	40	31	29
				Exposed	41	41	41	41	41	41	41	41	41	41	41	38	41	38	36	41	36	34	41	34	32	41	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	36	42	35	33	41	33	31	40	30	28	39	29	26	37	27	25
				Exposed	43	43	43	43	43	43	43	43	41	43	41	38	43	38	36	43	36	34	43	34	32	43	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	43	44	38	36	43	35	33	43	33	31	42	30	28	39	29	26	37	27	25
				Exposed	45	45	45	45	45	44	45	43	41	45	40	38	45	38	36	45	36	34	45	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
	D	2:12	9.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	33	37	32	31	35	31	29	33	29	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	35	37	35	33	37	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	35	32	31	35	30	29	33	29	28		
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	35	32	31	34	30	29	33	29	28		
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	31	35	30	29	32	28	27	30	26	0	29	0	0	27	0	0			
		5:12	22.6	Non-Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		34	32			
				Exposed	35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	35		35	33		35	31		35	29		33	27		31	26			
		6:12	26.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	35		35	35		34	32			
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	35		36	33		36	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	35	33	33	36	33	31	36	31	29	36	29	27	35	27	25
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	33	36	33	31	36	30	28	36	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	35	33	38	33	31	37	31	28	36	29	27	36	27	25
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	36	34	38	33	31	38	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0			
		9:12	36.9	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	35	33	39	33	31	38	31	28	37	29	26	37	27	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	35	32	39	33	31	39	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	39	36	41	35	33	40	33	31	39	31	28	38	29	26	37	27	25
				Exposed	41	41	41	41	41	41	41	41	41	41	41	38	41	38	36	41	36	34	41	34	32	41	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	39	36	42	35	33	41	33	31	40	30	28	39	29	26	37	27	25
				Exposed	43	43	43	43	43	43	43	43	41	43	41	38	43	38	36	43	36	34	43	34	32	43	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	42	40	44	38	36	43	35	33	43	33	31	42	30	28	39	29	26	37	27	25
				Exposed	45	45	45	45	45	44	45	43	41	45	40	38	45	38	36	45	36	34	45	34	32	45	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	35	32	31	35	30	29
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29
		5:12	22.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	30	35	30	28	35	29	26
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33	36	32	30	36	30	28	36	28	26
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	32	30	37	30	28	37	28	26
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	36	34
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	35	39	35	33	39	32	30	39	30	28	39	28	26
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	39	36	41	36	34
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	35	41	35	33	41	32	30	41	30	28	39	28	26
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	39	43	39	36	42	36	34
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	39	43	38	35	43	35	33	43	32	30	42	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	32	35	31	30
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	31	30
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	30	29	33	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	31	30
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	30	29	33	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	31		33	30		33	28	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	31		34	30		34	28	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	32	29	34	30	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	31	29	35	29	27	35	27	25	34	25	0	32	0	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	32	29	35	30	28
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		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	34	32	37	32	29	36	30	28
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	33	31	37	31	29	37	29	26	36	27	25	34	25	0	32	0	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	36	34	39	34	32	38	31	29	37	30	27
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	33	31	39	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	37	41	36	34	40	34	32	39	31	29	39	30	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	38	36	41	36	34	41	33	31	41	31	29	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	39	37	42	36	34	41	34	32	41	31	29	40	30	27
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	40	38	43	38	36	43	36	34	43	33	31	42	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	33	35	32	31	35	31	29	33	29	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	31	35	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29	33	29	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29	33	29	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	31	33	30	29	32	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	32	
				Exposed	33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	33		33	31		33	29		33	27		31	26	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		33	32	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	31		34	29		33	27		31	26	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	31	35	31	29	34	29	27	34	27	25
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	33	35	33	31	35	30	28	35	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33	36	33	31	36	31	28	35	29	27	34	27	25
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	32	36	33	31	36	30	28	36	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33	37	33	31	37	31	28	36	29	26	35	27	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	35	32	37	33	31	37	30	28	37	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	35	33	38	33	31	38	31	28	37	29	26	36	27	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	34	32	39	33	31	39	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	39	36	40	35	33	40	33	31	39	30	28	38	29	26	37	27	25
				Exposed	41	41	41	41	41	41	41	41	41	41	41	38	41	38	36	41	36	34	41	34	32	41	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	38	36	42	35	33	41	33	31	40	30	28	39	29	26	37	27	25
				Exposed	43	43	43	43	43	43	43	43	41	43	40	38	43	38	36	43	36	34	43	34	32	43	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
50	B	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	30	29	34	30	29
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	30	29
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	30	29
		5:12	22.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	30	33	30	28	33	29	26	33	29	26
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	30	34	30	28	34	28	26
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	30	35	30	28	35	28	26
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	36	34	37	36	34
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	32	30	37	30	28	37	28	26
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	34	39	36	34	39	36	34
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	33	31	39	33	31	39	33	31	39	32	30	39	30	28	39	28	26
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	36	34	41	36	34
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	35	41	35	33	41	32	30	41	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	32	34	31	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	33	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	30
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	29	27	31	27	26	30	26	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	29	27	31	27	26	30	25	0
		5:12	22.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	30		31	28		31	28		31	28	
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		32	30		32	28		32	28	
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	32	29
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	29	33	29	27	33	27	25	33	25	0	32	0	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	29
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	31	29	34	29	26	34	27	25	34	25	0	32	0	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	32	29	35	30	28	35	28	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	31	29	35	29	26	35	27	25	34	25	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	33	31	37	31	29	36	30	27
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	33	31	37	31	29	37	29	26	36	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	36	34	39	34	32	38	31	29	37	30	27
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	34	32	39	33	31	39	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	36	34	40	34	32	39	31	29	39	30	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	38	36	41	36	34	41	33	31	41	31	29	39	28	26	36	27	25	34	25	0	32	0	0
	D	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	31	29	33	29	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	30	29	32	28	27	30	26	25	29	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	28	27	30	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	29	28
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	28	27	30	26	0	29	0	0	27	0	0
		5:12	22.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	29		31	27		31	26				
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		32	29		32	27		31	26				
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	29	33	29	27	32	27	25			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	28	33	28	26	33	26	24	33	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	31	34	31	28	34	29	27	33	27	25
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	28	34	28	26	34	26	24	33	24	0	31	0	0
		9:12	36.9	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	31	35	31	28	35	29	26	34	27	25
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	33	31	35	30	28	35	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33	37	33	31	36	31	28	36	29	26	35	27	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	33	31	37	30	28	37	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	35	33	38	33	31	38	30	28	37	29	26	36	27	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	34	32	39	33	31	39	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	38	36	40	35	33	40	33	31	39	30	28	38	29	26	37	27	25
				Exposed	41	41	41	41	41	41	41	41	41	41	41	40	38	41	38	36	41	36	34	41	34	32	41	33	31	41	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	30	29
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	29
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	29
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	29	26
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	30	33	30	28	33	28	26	33	28	26
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	30	34	30	28	34	28	26	34	28	26
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	30	35	30	28	35	28	26	35	28	26
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	36	34
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	33	37	32	30	37	30	28	37	28	26
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	34	39	36	34
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	35	39	35	33	39	32	30	39	30	28	39	28	26
	C	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	29	27	31	27	26	30	26	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	27	26	30	26	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	27	26	30	25	0
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	28	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	30		31	28				
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28	31	28	25
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	27	25	31	25	0	31	0	0	31	0	0
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	29	26	33	27	25	33	25	0	32	0	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	29	34	30	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	31	29	34	29	26	34	27	25	34	25	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	27
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	31	29	35	29	26	35	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	34	32	37	31	29	36	30	27	35	27	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	33	31	37	30	28	37	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	33	39	33	31	38	30	28	37	29	26
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	34	32	39	33	31	39	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0
	D	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	27	30	26	0
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	29		30	27		30	26	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	29		31	27		31	26	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	27	31	27	25
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	26	31	26	24	31	24	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	28	33	29	27
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	30	28	33	28	26	33	26	24	33	24	0	31	0	0	30	0	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	31	28	34	29	26	33	27	25	33	27	25
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	31	34	30	28	34	28	26	34	26	24	33	24	0	31	0	0	30	0	0	30	0	0	30	0	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	31	35	31	28	35	29	26	34	27	25
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	33	31	35	30	28	35	28	26	35	26	24	33	24	0	31	0	0	30	0	0	30	0	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33	37	33	31	37	30	28	36	29	26	35	27	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	33	31	37	30	28	37	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	33	39	33	31	38	30	28	37	29	26
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	36	34	39	34	32	39	33	31	39	30	28	38	28	26	35	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
60	B	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	30	29
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	29	26
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	26	31	28	26
		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	30	33	30	28	33	28	26	33	28	26
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	30	34	30	28	34	28	26	34	28	26
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	31	29	35	30	27
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	33	31	36	31	29	36	29	26	36	27	25	34	25	0	32	0	0
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	34	32	37	31	29	37	30	27
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	33	31	37	31	29	37	28	26	36	27	25	34	25	0	32	0	0
	C	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30
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		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	27	26	29	26	0
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
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		6:12	26.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
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		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	27	25	30	25	0	30	0	0
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	28
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		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	32	29	33	30	28
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	29	33	29	26	33	27	25	33	25	0	32	0	0
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	31	29	34	30	27
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	31	29	34	29	26	34	27	25	34	25	0	32	0	0
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	31	29	35	30	28	35	29	26	34	27	25
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	33	31	36	30	28	36	28	26	35	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	33	37	33	31	37	30	28	36	29	26	36	27	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	33	31	37	30	28	37	28	26	35	26	24	33	24	0	31	0	0	30	0	0
	D	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	28
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	28	27	30	26	25	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	27	29	26	25	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
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		6:12	26.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
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		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	27	25
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	24	30	24	0	30	0	0	30	0	0	30	0	0
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	29	27	31	27	25
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		9:12	36.9	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	28	33	29	26	32	27	25
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	28	33	26	24	33	24	0	31	0	0	30	0	0
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	31	28	34	29	26	33	27	25
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	31	34	30	28	34	28	26	34	26	24	33	24	0	31	0	0	30	0	0	30	0	0	30	0	0
		11:12	42.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33	36	33	31	35	30	28	35	29	26	34	27	25	34	27	25	33	27	25
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	33	31	36	30	28	36	28	26	35	26	24	33	24	0	31	0	0	30	0	0	30	0	0	0
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	33	37	33	31	37	30	28	36	29	26	36	27	25	35	29	26	34	27	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	34	32	37	33	31	37	30	28	37	28	26	35	26	24	33	24	0	31	0	0	30	0	0	30	0	0	0	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		6:12	26.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		8:12	33.7	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	26	29	28	26
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	28	26	32	28	26
		11:12	42.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	30	33	30	28	33	28	26	33	28	26
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	30	35	30	28	35	28	26	35	28	26
	C	2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		6:12	26.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		8:12	33.7	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
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		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	26	30	27	25
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	29	25	32	25	0
		11:12	42.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	29	33	29	26	33	27	25
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	31	35	31	29	35	28	26	35	28	26
	D	2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	26	
		6:12	26.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	26				
		7:12	30.3	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	26	24	28	24	0
		8:12	33.7	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	27	25
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	26	29	26	24	29	24	0	29	0	0	29	0	0
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	25
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	24	30	24	0	30	0	0	30	0	0
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	31	28	32	29	26	32	27	25
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	32	32	32	30	28	32	28	26	32	26	24	32	24	0	31	0	0	30	0	0
		11:12	42.5	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	28	33	29	26	33	27	25
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	30	28	33	28	26	33	26	24	33	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	33	31	35	30	28	35	28	26	35	26	24	33	24	0	31	0	0	30	0	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		3:12	14.0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		5:12	22.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
	B	7:12	30.3	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		8:12	33.7	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		10:12	39.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	26
		12:12	45	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	30	33	30	28	33	28	26
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	26	0
		3:12	14.0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		5:12	22.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
80	C	7:12	30.3	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0	26	0	0
		8:12	33.7	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	25	27	25	0	27	0	0
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	25	28	25	0	28	0	0
		10:12	39.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	26	30	27	25	30	25	0	30	0	0
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	27
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	26	31	27	25	31	25	0	31	0	0
		12:12	45	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	31	29	33	30	27
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	31	29	33	28	26	33	27	25	33	25	0	32	0	0
		2:12	9.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25	27	0	0	27	0	0
		3:12	14.0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	0	25	0	0
		4:12	18.4	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	0	0	25	0	0
		5:12	22.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
	D	7:12	30.3	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26	24	0	26	0	0	26	0	0
		8:12	33.7	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	26	24	27	24	0	27	0	0	27	0	0
		9:12	36.9	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	26	24	28	24	0	28	0	0	28	0	0
		10:12	39.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	25
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	24	30	24	0	30	0	0	30	0	0
		11:12	42.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	29	26	31	27	25
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	26	31	26	24	31	24	0	31	0	0	30	0	0
		12:12	45	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	30	28	33	29	26	32	27	25
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	31	33	30	28	33	28	26	33	26	24	33	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		6:12	26.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
				Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	28	26
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	31	28	26	31	28	26
	C	2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		6:12	26.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
				Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
	D	2:12	9.5	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		4:12	18.4	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		6:12	26.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
				Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	24	25	24	0	25	0	0	25	0	0	25	0
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26	24	0	26	0	0	26	0	0	26	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	26	24	27	24	0	27	0	0	27	0	0	0
		10:12	39.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	26	24	28	24	0	28	0	0	28	0	0	0
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	25
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	24	30	24	0	30	0	0	30
		12:12	45	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	25
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	26	31	26	24	31	24	0	31	0	0	30	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
100	B	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		3:12	14.0	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		6:12	26.6	Non-Exposed	22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22	
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		7:12	30.3	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		6:12	26.6	Non-Exposed	22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22		22	22	
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		7:12	30.3	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
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	D	2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	25	28	25	0
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Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 80 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
120	B	2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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		6:12	26.6	Non-Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
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		7:12	30.3	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		8:12	33.7	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		9:12	36.9	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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	C	2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
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		5:12	22.6	Non-Exposed	20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20	
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		6:12	26.6	Non-Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
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		7:12	30.3	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		8:12	33.7	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		9:12	36.9	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
	D	2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		5:12	22.6	Non-Exposed	20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20	
				Exposed	20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20		20	20	
		6:12	26.6	Non-Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
				Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
		7:12	30.3	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
		8:12	33.7	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		9:12	36.9	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26	24	0	26	0	0	26	0	0	26	0	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	26	24	27	24	0	27	0	0	27	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	70	70	70	70	70	68	70	70	63	70	70	59	70	68	56	70	65	53	70	61	50	70	58	48	64	53	43	59	48	40	54	45	37	50	41	34	47	39	32	44	36	30
				Exposed	70	67	55	70	63	52	70	59	48	68	55	46	64	52	43	60	50	41	57	47	39	54	45	37	50	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	70	70	70	70	70	67	70	70	63	70	70	59	70	68	56	70	64	53	70	61	50	70	58	48	64	53	43	59	48	40	54	44	37	50	41	34	46	38	32	43	36	30
				Exposed	70	67	55	70	62	51	70	59	48	67	55	45	64	52	43	60	49	41	57	47	39	54	45	37	49	41	34	45	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	69	69	69	69	69	65	69	68	60	69	64	56	69	60	53	69	56	50	64	53	47	60	51	45	55	46	41	51	42	37	47	38	34	44	35	32	41	33	29	38	31	28
				Exposed	69	59	52	67	55	49	61	51	46	57	48	43	54	45	40	52	43	38	49	41	36	47	39	34	43	35	31	40	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	68	68	68	68	68	64	68	68	60	68	63	56	68	60	53	68	56	50	64	53	47	60	50	45	55	46	41	50	42	37	47	38	34	44	35	31	41	33	29	38	31	28
				Exposed	68	59	52	66	55	48	61	51	45	57	48	43	54	45	40	52	43	38	49	41	36	47	39	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	67	67	67	67	67	64	67	67	60	67	63	56	67	59	53	67	56	50	63	53	47	59	50	45	54	45	40	50	42	37	47	38	34	43	35	31	41	33	29	38	31	28
				Exposed	67	58	52	66	54	48	61	51	45	57	48	43	54	45	40	51	43	38	49	40	36	47	38	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	66	66	66	66	66	66	66	66	66	66	66	65	66	66	61	66	62	57	66	59	54	66	56	51	65	51	46	59	46	42	55	43	39	51	40	36	48	37	33	45	34	31
				Exposed	66	65	60	66	61	56	66	57	52	66	53	49	64	50	46	61	48	43	58	45	41	55	43	39	51	39	35	47	36	32	43	33	30	41	31	28	38	29	26	36	27	0
	B	6:12	26.6	Non-Exposed	65	65	65	65	65	65	65	65	65	65	65	64	65	65	60	65	62	57	65	59	54	65	56	51	64	51	46	59	46	42	55	43	39	51	39	36	48	37	33	45	34	31
				Exposed	65	64	59	65	60	55	65	56	52	65	53	49	63	50	46	60	47	43	57	45	41	55	43	39	50	39	35	47	36	32	43	33	30	40	31	28	38	29	26	36	27	0
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	61	64	64	58	64	63	55	63	57	50	58	53	46	54	49	42	49	45	39	46	42	37	43	39	34
				Exposed	64	64	63	64	64	59	64	63	56	64	60	53	63	57	50	60	54	47	57	51	45	54	49	43	49	44	39	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27
		8:12	33.7	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	60	64	64	57	64	62	55	63	57	50	58	52	46	53	48	42	49	45	39	46	42	36	42	39	34
				Exposed	64	64	62	64	64	59	64	63	56	64	59	52	62	57	50	59	54	47	56	51	45	54	49	43	49	44	39	44	41	36	41	38	33	38	35	30	35	33	28	33	30	27
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	60	63	63	57	63	61	54	62	56	50	57	52	46	53	48	42	49	45	39	45	42	36	42	39	34
				Exposed	63	63	62	63	63	58	63	62	55	63	59	52	62	56	49	59	53	47	56	51	45	53	49	42	48	44	39	44	41	36	41	38	33	38	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	62	63	63	59	63	63	57	63	61	54	62	56	50	57	52	46	53	48	42	49	45	39	45	42	36	42	39	34
				Exposed	63	63	61	63	63	58	63	62	55	63	59	52	61	56	49	58	53	47	55	51	44	53	48	42	48	44	39	44	41	35	41	37	33	38	35	30	35	32	28	33	30	27
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	59	62	62	56	62	60	54	61	56	49	56	52	45	52	48	42	49	45	39	45	42	36	42	39	34
				Exposed	62	62	61	62	62	57	62	61	54	62	58	52	61	55	49	58	53	47	55	50	44	53	48	42	48	44	39	44	40	35	41	37	33	37	35	30	35	32	28	32	30	27
		12:12	45	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	62	58	62	62	56	62	60	53	61	55	49	56	51	45	52	48	42	48	44	39	45	41	36	42	39	34
				Exposed	62	62	60	62	62	57	62	61	54	62	58	51	60	55	49	57	53	47	55	50	44	52	48	42	48	44	38	44	40	35	40	37	33	37	35	30	35	32	28	32	30	27
		Flat	0	Non-Exposed	70	70	58	70	66	54	70	62	51	70	58	48	67	55	45	63	52	43	60	49	40	57	47	38	52	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	66	54	44	61	50	41	58	47	39	54	45	37	51	42	35	49	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	70	70	57	70	65	54	70	61	50	70	58	47	66	54	45	63	52	42	60	49	40	57	47	38	51	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	65	54	44	61	50	41	57	47	39	54	45	37	51	42	35	48	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	69	62	55	69	58	51	65	54	48	60	50	45	57	48	42	54	45	40	51	43	38	49	40	36	45	37	33	42	34	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	56	47	42	53	44	39	50	41	36	47	39	34	45	36	32	43	34	31	41	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	27	0	0
		3:12	14.0	Non-Exposed	68	61	54	68	57	51	65	53	47	60	50	45	56	47	42	54	45	40	51	42	38	49	40	36	45	37	33	41	33	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	56	47	41	52	44	39	50	41	36	47	38	34	45	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	27	0	0
		4:12	18.4	Non-Exposed	67	61	54	67	57	51	64	53	47	59	50	44	56	47	42	53	45	40	51	42	38	49	40	36	45	36	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	55	46	41	52	43	39	49	41	36	47	38	34	44	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	27	0	0
		5:12	22.6	Non-Exposed	66	66	63	66	63	58	66	59	55	66	56	51	66	53	48	63	50	45	60	47	43	57	45	41	53	41	37	49	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	66	52	47	62	48	44	58	46	41	55	43	39	52	40	37	50	38	35	47	36	33	45	35	31	42	32	29	39	29	26	36	27	24	33	25	0	31	0	0	30	0	0
0	C	6:12	26.6	Non-Exposed	65	65	62	65	63	58	65	59	54	65	56	51	65	52	48	63	50	45	60	47	43	57	45	41	52	41	37	48	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	65	52	47	61	48	44	58	45	41	55	43	39	52	40	37	50	38	35	47	36	33	45	35	31	42	32	29	39	29	26	36	27	0	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	64	64	64	64	64	62	64	64	58	64	62	55	64	59	52	62	56	49	59	54	47	56	51	44	51	46	41	47	43	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	64	59	51	61	55	48	57	52	45	54	49	43	51	46	40	48	44	38	45	41	36	43	40	35	39	36	31	36	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	64	64	64	64	64	61	64	64	58	64	62	55	64	59	52	62	56	49	59	53	47	56	51	44	51	46	40	46	42	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	64	58	51	60	55	48	57	51	45	54	49	42	50	46	40	48	44	38	45	41	36	43	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	63	63	63	63	63	60	63	63	57	63	61	54	63	58	53	62	56	49	58	53	46	55	51	44	51	46	40	46	42	37	43	39	34	39	36	32	36	34	30	34	32	28
				Exposed	63	58	51	60	54	48	56	51	45	53	48	42	50	46	40	48	43	38	45	41	36	43	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	63	63	63	63	63	60	63	63	57	63	61	54	63	58	51	61	55	49	58	53	46	55	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	63	57	51	59	54	48	56	51	45	53	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	62	62	62	62	62	60	62	62	56	62	60	54	62	57	51	60	55	49	57	52	46	55	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	62	57	50	59	54	47	55	51	45	53	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	62	62	62	62	62	59	62	62	56	62	60	53	62	57	51	60	55	48	57	52	46	54	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	29	34	32	28
				Exposed	62	56	50	58	53	47	55	51	45	52	48	42	50	45	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		Flat	0	Non-Exposed	70	63	52	70	59	48	68	55	45	63	52	43	60	49	40	57	47	38	54	44	36	51	42	35	46	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	59	48	40	55	45	37	52	43	35	49	40	33	46	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	70	63	51	70	58	48	67	55	45	63	52	43	59	49	40	56	46	38	53	44	36	51	42	35	46	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	59	48	40	55	45	37	52	43	35	49	40	33	46	38	31	44	36	30	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	67	55	49	61	51	45	57	48	43	54	45	40	51	42	38	49	40	36	47	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	51	42	37	48	39	35	45	37	33	43	35	31	41	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	66	55	49	61	51	45	57	48	42	54	45	40	51	42	38	49	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	50	42	37	48	39	35	45	37	33	43	34	31	40	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	66	54	48	60	51	45	57	48	42	54	45	40	51	42	38	49	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	50	42	37	47	39	35	45	37	33	42	34	31	40	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	66	61	56	66	57	52	66	53	49	64	50	46	60	47	43	57	45	41	54	42	38	52	40	37	48	37	33	44	34	30	41	31	28	38	29	26	36	27	24	34	26	0
				Exposed	59	46	42	56	43	40	53	41	37	50	38	35	47	36	33	45	34	31	43	33	30	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
	D	6:12	26.6	Non-Exposed	65	60	55	65	56	52	65	53	48	63	50	45	60	47	43	57	45	41	54	42	38	52	40	36	48	37	33	44	34	30	41	31	28	38	29	26	36	27	0	34	26	0
				Exposed	59	46	42	55	43	39	52	41	37	50	38	35	47	36	33	45	34	31	43	33	29	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		7:12	30.3	Non-Exposed	64	64	59	64	63	56	64	60	52	62	57	49	59	54	47	56	51	44	53	48	42	50	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	58	53	46	55	49	43	51	46	41	48	44	38	45	41	36	43	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	64	64	59	64	63	55	64	59	52	62	56	49	59	53	47	56	51	44	53	48	42	50	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	58	53	46	55	49	43	51	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	63	63	58	63	62	55	63	59	54	62	56	49	59	53	46	55	50	44	53	48	42	50	46	40	45	42	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25
				Exposed	57	52	46	54	49	43	51	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	63	63	58	63	62	55	63	58	52	61	55	49	58	53	46	55	50	44	52	48	42	50	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25
				Exposed	57	52	46	54	49	43	50	46	40	48	44	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	62	62	57	62	61	54	62	58	51	60	55	49	57	52	46	54	50	44	52	48	42	50	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	56	52	46	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	62	62	57	62	61	54	62	58	51	60	55	49	57	52	46	54	50	44	52	47	42	49	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	56	51	45	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
5	B	Flat	0	Non-Exposed	67	67	67	67	67	67	67	67	63	67	67	59	67	67	56	67	65	53	67	61	50	67	58	48	64	53	43	59	48	40	54	45	37	50	41	34	47	39	32	44	36	30
				Exposed	67	67	55	67	63	52	67	59	48	67	55	46	64	52	43	60	50	41	57	47	39	54	45	37	50	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	65	65	65	65	65	65	65	65	63	65	65	59	65	65	56	65	64	53	65	61	50	65	58	48	64	53	43	59	48	40	54	44	37	50	41	34	46	38	32	43	36	30
				Exposed	65	65	55	65	62	51	65	59	48	65	55	45	64	52	43	60	49	41	57	47	39	54	45	37	49	41	34	45	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	62	62	62	62	62	62	62	62	60	62	62	56	62	60	53	62	56	50	62	53	47	60	51	45	55	46	41	51	42	37	47	38	34	44	35	32	41	33	29	38	31	28
				Exposed	62	59	52	62	55	49	61	51	46	57	48	43	54	45	40	52	43	38	49	41	36	47	39	34	43	35	31	40	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	56	60	60	53	60	56	50	60	53	47	60	50	45	55	46	41	50	42	37	47	38	34	44	35	31	41	33	29	38	31	28
				Exposed	60	59	52	60	55	48	60	51	45	57	48	43	54	45	40	52	43	38	49	41	36	47	39	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	60	61	61	56	61	59	53	61	56	50	61	53	47	59	50	45	54	45	40	50	42	37	47	38	34	43	35	31	41	33	29	38	31	28
				Exposed	61	58	52	61	54	48	61	51	45	57	48	43	54	45	40	51	43	38	49	40	36	47	38	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	59	54	60	56	51	60	51	46	59	46	42	55	43	39	51	40	36	48	37	33	45	34	31
				Exposed	60	60	60	60	60	56	60	57	52	60	53	49	60	50	46	60	48	43	58	45	41	55	43	39	51	39	35	47	36	32	43	33	30	41	31	28	38	29	26	36	27	0
		6:12	26.6	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	59	54	60	56	51	60	51	46	59	46	42	55	43	39	51	39	36	48	37	33	45	34	31
				Exposed	60	60	59	60	60	55	60	56	52	60	53	49	60	50	46	60	47	43	57	45	41	55	43	39	50	39	35	47	36	32	43	33	30	40	31	28	38	29	26	36	27	0
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	60	60	55	60	57	50	58	53	46	54	49	42	49	45	39	46	42	37	43	39	34			
				Exposed	60	60	60	60	60	59	60	60	56	60	60	53	60	57	50	60	54	47	57	51	45	54	49	43	49	44	39	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27
		8:12	33.7	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	60	55	60	57	50	58	52	46	53	48	42	49	45	39	46	42	36	42	39	34
				Exposed	60	60	60	60	60	59	60	60	56	60	59	52	60	57	50	59	54	47	56	51	45	54	49	43	49	44	39	44	41	36	41	38	33	38	35	30	35	33	28	33	30	27
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	60	54	60	56	50	57	52	46	53	48	42	49	45	39	45	42	36	42	39	34
				Exposed	60	60	60	60	60	58	60	60	55	60	59	52	60	56	49	59	53	47	56	51	45	53	49	42	48	44	39	44	41	36	41	38	33	38	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	60	57	60	60	54	60	56	50	57	52	46	53	48	42	49	45	39	45	42	36	42	39	34
				Exposed	60	60	60	60	60	58	60	60	55	60	59	52	60	56	49	58	53	47	55	51	44	53	48	42	48	44	39	44	41	35	41	37	33	38	35	30	35	32	28	33	30	27
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	59	61	61	56	61	60	54	61	56	49	56	52	45	52	48	42	49	45	39	45	42	36	42	39	34
				Exposed	61	61	61	61	61	57	61	61	54	61	58	52	61	55	49	58	53	47	55	50	44	53	48	42	48	44	39	44	40	35	41	37	33	37	35	30	35	32	28	32	30	27
		12:12	45	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	58	61	61	56	61	60	53	61	55	49	56	51	45	52	48	42	48	44	39	45	41	36	42	39	34
				Exposed	61	61	60	61	61	57	61	61	54	61	58	51	60	55	49	57	53	47	55	50	44	52	48	42	48	44	38	44	40	35	40	37	33	37	35	30	35	32	28	32	30	27
	C	Flat	0	Non-Exposed	67	67	58	67	66	54	67	62	51	67	58	48	67	55	45	63	52	43	60	49	40	57	47	38	52	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	66	54	44	61	50	41	58	47	39	54	45	37	51	42	35	49	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	65	65	57	65	65	54	65	61	50	65	58	47	65	54	45	63	52	42	60	49	40	57	47	38	51	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	65	54	44	61	50	41	57	47	39	54	45	37	51	42	35	48	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	62	62	55	62	58	51	62	54	48	60	50	45	57	48	42	54	45	40	51	43	38	49	40	36	45	37	33	42	34	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	56	47	42	53	44	39	50	41	36	47	39	34	45	36	32	43	34	31	41	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	60	60	54	60	57	51	60	53	47	60	50	45	56	47	42	54	45	40	51	42	38	49	40	36	45	37	33	41	33	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	56	47	41	52	44	39	50	41	36	47	38	34	45	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		4:12	18.4	Non-Exposed	61	61	54	61	57	51	61	53	47	59	50	44	56	47	42	53	45	40	51	42	38	49	40	36	45	36	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	55	46	41	52	43	39	49	41	36	47	38	34	44	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		5:12	22.6	Non-Exposed	60	60	60	60	60	58	60	59	55	60	56	51	60	53	48	60	50	45	60	47	43	57	45	41	53	41	37	49	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	60	52	47	60	48	44	58	46	41	55	43	39	52	40	37	50	38	35	47	36	33	45	35	31	42	32	29	39	29	26	36	27	24	33	25	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	60	60	60	60	60	58	60	59	54	60	56	51	60	52	48	60	50	45	60	47	43	57	45	41	52	41	37	48	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	60	52	47	60	48	44	58	45	41	55	43	39	52	40	37	50	38	35	47	36	33	45	35	31	42	31	28	39	29	26	36	27	0	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	58	60	60	55	60	59	52	60	56	49	59	54	47	56	51	44	51	46	41	47	43	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	60	59	51	60	55	48	57	52	45	54	49	43	51	46	40	48	44	38	45	41	36	43	40	35	39	36	31	36	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	60	60	60	60	60	60	60	60	58	60	60	55	60	59	52	60	56	49	59	53	47	56	51	44	51	46	40	46	42	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	60	58	51	60	55	48	57	51	45	54	49	42	50	46	40	48	44	38	45	41	36	43	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	57	60	60	54	60	58	52	60	56	49	58	53	46	55	51	44	51	46	40	46	42	37	43	39	34	39	36	32	36	34	30	34	32	28
				Exposed	60	58	51	60	54	48	56	51	45	53	48	42	50	46	40	48	43	38	45	41	36	43	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	57	60	60	54	60	58	51	60	55	49	58	53	46	55	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	60	57	51	59	54	48	56	51	45	53	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	60	61	61	56	61	60	54	61	57	51	60	55	49	57	52	46	55	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	61	57	50	59	54	47	55	51	45	53	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	61	61	61	61	61	59	61	61	56	61	60	53	61	57	51	60	55	48	57	52	46	54	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	29	34	32	28
				Exposed	61	56	50	58	53	47	55	51	45	52	48	42	50	45	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	67	63	52	67	59	48	67	55	45	63	52	43	60	49	40	57	47	38	54	44	36	51	42	35	46	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	59	48	40	55	45	37	52	43	35	49	40	33	46	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	65	63	51	65	58	48	65	55	45	63	52	43	59	49	40	56	46	38	53	44	36	51	42	35	46	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	59	48	40	55	45	37	52	43	35	49	40	33	46	38	31	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0	0	0	0
		2:12	9.5	Non-Exposed	62	55	49	61	51	45	57	48	43	54	45	40	51	42	38	49	40	36	47	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	51	42	37	48	39	35	45	37	33	43	35	31	41	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	60	55	49	60	51	45	57	48	42	54	45	40	51	42	38	49	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	50	42	37	48	39	35	45	37	33	43	34	31	40	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	61	54	48	60	51	45	57	48	42	54	45	40	51	42	38	49	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	50	42	37	47	39	35	45	37	33	42	34	31	40	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	60	60	56	60	57	52	60	53	49	60	50	46	60	47	43	57	45	41	54	42	38	52	40	37	48	37	33	44	34	30	41	31	28	38	29	26	36	27	24	34	26	0
				Exposed	59	46	42	56	43	40	53	41	37	50	38	35	47	36	33	45	34	31	43	33	30	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		6:12	26.6	Non-Exposed	60	60	55	60	56	52	60	53	48	60	50	45	60	47	43	57	45	41	54	42	38	52	40	36	48	37	33	44	34	30	41	31	28	38	29	26	36	27	0	34	26	0
				Exposed	59	46	42	55	43	39	52	41	37	50	38	35	47	36	33	45	34	31	43	33	29	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		7:12	30.3	Non-Exposed	60	60	59	60	60	56	60	60	52	60	57	49	59	54	47	56	51	44	53	48	42	50	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	58	53	46	55	49	43	51	46	41	48	44	38	45	41	36	43	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	60	60	59	60	60	55	60	59	52	60	56	49	59	53	47	56	51	44	53	48	42	50	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	58	53	46	54	49	43	51	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	60	60	58	60	60	55	60	59	52	60	56	49	58	53	46	55	50	44	53	48	42	50	46	40	45	42	36	41	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	57	52	46	54	49	43	51	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	60	60	58	60	60	55	60	58	52	60	55	49	58	53	46	55	50	44	52	48	42	50	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25
				Exposed	57	52	46	54	49	43	50	46	40	48	44	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	61	61	57	61	61	54	61	58	51	60	55	49	57	52	46	54	50	44	52	47	42	49	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	56	51	45	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	61	61	57	61	61	54	61	58	51	60	55	49	57	52	46	54	50	44	52	47	42	49	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	56	51	45	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	Flat	0	Non-Exposed	59	59	59	59	59	59	59	59	59	59	59	59	59	59	56	59	59	53	59	59	50	59	58	48	59	53	43	59	48	40	54	45	37	50	41	34	47	39	32	44	36	30
				Exposed	59	59	55	59	59	52	59	59	48	59	55	46	59	52	43	59	50	41	57	47	39	54	45	37	50	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	57	50	57	57	48	57	53	43	57	48	40	54	44	37	50	41	34	46	38	32	43	36	30
				Exposed	57	57	55	57	57	51	57	57	48	57	55	45	57	52	43	57	49	41	57	47	39	54	45	37	49	41	34	45	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	53	54	54	50	54	53	47	54	51	45	54	46	41	51	42	37	47	38	34	44	35	32	41	33	29	38	31	28
				Exposed	54	54	52	54	54	49	54	51	46	54	48	43	54	45	40	52	43	38	49	41	36	47	39	34	43	35	31	40	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	52	52	47	52	50	45	52	46	41	50	42	37	47	38	34	44	35	31	41	33	29	38	31	28
				Exposed	52	52	52	52	52	48	52	51	45	52	48	43	52	45	40	52	43	38	49	41	36	47	39	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	47	53	50	45	53	45	40	50	42	37	47	38	34	43	35	31	41	33	29	38	31	28
				Exposed	53	53	52	53	53	48	53	51	45	53	48	43	53	45	40	51	43	38	49	40	36	47	38	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	46	53	46	42	53	43	39	51	40	36	48	37	33	45	34	31
				Exposed	53	53	53	53	53	53	53	53	52	53	53	49	53	50	46	53	48	43	53	45	41	53	43	39	51	39	35	47	36	32	43	33	30	41	31	28	38	29	26	36	27	0
		6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	46	53	46	42	53	43	39	51	39	36	48	37	33	45	34	31			
				Exposed	53	53	53	53	53	53	53	53	52	53	53	49	53	50	46	53	47	43	53	45	41	53	43	39	50	39	35	47	36	32	43	33	30	40	31	28	38	29	26	36	27	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	46	52	49	42	49	45	39	46	42	37	43	39	34			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	50	53	53	47	53	51	45	53	49	43	49	44	39	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27			
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	54	52	46	52	48	42	49	45	39	46	42	36	42	39	34			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	52	54	54	50	54	54	47	54	51	45	54	49	43	49	44	39	44	41	36	41	38	33	38	35	30	35	33	28	33	30	27
		9:12	36.9	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	50	54	52	46	53	48	42	49	45	39	45	42	36	42	39	34			
				Exposed	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	53	47	54	51	45	53	49	42	48	44	39	44	41	36	41	38	33	38	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	55	55	55	55	55	55	55	55	55	55	55	50	55	52	46	53	48	42	49	45	39	45	42	36	42	39	34			
				Exposed	55	55	54	55	55	54	55	55	54	55	55	52	55	55	49	55	53	47	55	51	44	53	48	42	48	44	39	44	41	35	41	37	33	38	35	30	35	32	28	33	30	27
		11:12	42.5	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	49	56	52	45	52	48	42	49	45	39	45	42	36	42	39	34			
				Exposed	56	56	56	56	56	54	56	56	54	56	56	52	56	55	49	56	53	47	55	50	44	53	48	42	48	44	39	44	40	35	41	37	33	37	35	30	35	32	28	32	30	27
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	56	57	57	53	57	55	49	56	51	45	52	48	42	48	44	39	45	41	36	42	39	34
				Exposed	57	57	57	57	57	57	57	57	54	57	57	51	57	55	49	57	53	47	55	50	44	52	48	42	48	44	38	44	40	35	40	37	33	37	35	30	35	32	28	32	30	27
	C	Flat	0	Non-Exposed	59	59	58	59	59	54	59	59	51	59	58	48	59	55	45	59	52	43	59	49	40	57	47	38	52	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	59	54	44	59	50	41	58	47	39	54	45	37	51	42	35	49	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	57	57	57	57	57	54	57	57	50	57	57	47	57	54	45	57	52	42	57	49	40	57	47	38	51	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	57	54	44	57	50	41	57	47	39	54	45	37	51	42	35	48	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	54	54	54	54	54	51	54	54	48	54	50	45	54	48	42	54	45	40	51	43	38	49	40	36	45	37	33	42	34	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	54	47	42	53	44	39	50	41	36	47	39	34	45	36	32	43	34	31	41	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	52	52	52	52	52	51	52	52	47	52	50	45	52	47	42	52	45	40	51	42	38	49	40	36	45	37	33	41	33	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	52	47	41	52	44	39	50	41	36	47	38	34	45	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	51	53	53	47	53	50	44	53	47	42	53	45	40	51	42	38	49	40	36	45	36	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	53	46	41	52	43	39	49	41	36	47	38	34	44	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	50	45	53	47	43	53	45	41	53	41	37	49	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	53	52	47	53	48	44	53	46	41	53	43	39	52	40	37	50	38	35	47	36	33	45	35	31	42	32	29	39	29	26	36	27	24	33	25	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	52	48	53	50	45	53	47	43	53	45	41	52	41	37	48	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	53	52	47	53	48	44	53	45	41	53	43	39	52	40	37	50	38	35	47	36	33	45	35	31	42	31	28	39	29	26	36	27	0	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	53	53	49	53	53	47	53	51	44	51	46	41	47	43	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	53	53	51	53	53	48	53	52	45	53	49	43	51	46	40	48	44	38	45	41	36	43	40	35	39	36	31	36	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	53	47	53	51	44	51	46	40	46	42	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	54	54	51	54	54	48	54	51	45	54	49	42	50	46	40	48	44	38	45	41	36	43	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	54	54	49	54	53	46	54	51	44	51	46	40	46	42	37	43	39	34	39	36	32	36	34	30	34	32	28
				Exposed	54	54	51	54	54	48	54	51	45	53	48	42	50	46	40	48	43	38	45	41	36	43	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	54	55	55	51	55	55	49	55	53	46	55	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	55	55	51	55	54	48	55	51	45	53	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	54	56	56	51	56	55	49	56	52	46	55	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	56	56	50	56	54	47	55	51	45	53	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	56	57	57	53	57	57	51	57	57	48	57	52	46	54	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	29	34	32	28
				Exposed	57	56	50	57	53	47	55	51	45	52	48	42	50	45	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	59	59	52	59	59	48	59	55	45	59	52	43	59	49	40	57	47	38	54	44	36	51	42	35	46	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	59	48	40	55	45	37	52	43	35	49	40	33	46	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	57	57	51	57	57	48	57	55	45	57	52	43	57	49	40	56	46	38	53	44	36	51	42	35	46	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	57	48	40	55	45	37	52	43	35	49	40	33	46	38	31	44	36	30	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	54	54	49	54	51	45	54	48	43	54	45	40	51	42	38	49	40	36	47	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	51	42	37	48	39	35	45	37	33	43	35	31	41	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	52	52	49	52	51	45	52	48	42	52	45	40	51	42	38	49	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	50	42	37	48	39	35	45	37	33	43	34	31	40	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	53	53	48	53	51	45	53	48	42	53	45	40	51	42	38	49	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	50	42	37	47	39	35	45	37	33	42	34	31	40	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	53	53	53	53	53	52	53	53	49	53	50	46	53	47	43	53	45	41	53	42	38	52	40	37	48	37	33	44	34	30	41	31	28	38	29	26	36	27	24	34	26	0
				Exposed	53	46	42	53	43	40	53	41	37	50	38	35	47	36	33	45	34	31	43	33	30	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		6:12	26.6	Non-Exposed	53	53	53	53	53	52	53	53	48	53	50	45	53	47	43	53	45	41	53	42	38	52	40	36	48	37	33	44	34	30	41	31	28	38	29	26	36	27	0	34	26	0
				Exposed	53	46	42	53	43	39	52	41	37	50	38	35	47	36	33	45	34	31	43	33	29	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	52	53	53	49	53	53	47	53	51	44	52	48	42	50	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	53	53	46	53	49	43	51	46	41	48	44	38	45	41	36	43	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	52	54	54	49	54	53	47	53	51	44	52	48	42	50	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	54	53	46	54	49	43	51	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	54	54	54	54	54	54	54	54	52	54	54	49	54	53	46	54	50	44	53	48	42	50	46	40	45	42	36	41	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	54	52	46	54	49	43	51	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	52	55	55	49	55	53	46	55	50	44	52	48	42	50	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25
				Exposed	55	52	46	54	49	43	50	46	40	48	44	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	56	56	56	56	56	54	56	56	51	56	55	49	56	52	46	54	50	44	52	48	42	50	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	56	52	46	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	54	57	57	51	57	55	49	57	52	46	54	50	44	52	47	42	49	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	56	51	45	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	53	53	48	53	53	43	53	48	40	53	45	37	50	41	34	47	39	32	44	36	30
				Exposed	53	53	53	53	53	52	53	53	48	53	53	46	53	52	43	53	50	41	53	47	39	53	45	37	50	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	48	51	51	43	51	48	40	51	44	37	50	41	34	46	38	32	43	36	30
				Exposed	51	51	51	51	51	51	51	51	48	51	51	45	51	51	43	51	49	41	51	47	39	51	45	37	49	41	34	45	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	46	41	48	42	37	47	38	34	44	35	32	41	33	29	38	31	28
				Exposed	48	48	48	48	48	48	48	48	46	48	48	43	48	45	40	48	43	38	48	41	36	47	39	34	43	35	31	40	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	41	46	42	37	46	38	34	44	35	31	41	33	29	38	31	28
				Exposed	46	46	46	46	46	46	46	46	45	46	46	43	46	45	40	46	43	38	46	41	36	46	39	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	45	40	48	42	37	47	38	34	43	35	31	41	33	29	38	31	28
				Exposed	48	48	48	48	48	48	48	48	45	48	48	43	48	45	40	48	43	38	48	40	36	47	38	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	42	48	43	39	48	40	36	48	37	33	45	34	31			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	45	41	48	43	39	48	39	35	47	36	32	43	33	30	41	31	28	38	29	26	36	27	0			
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	42	48	43	39	48	39	36	48	37	33	45	34	31			
				Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	47	43	48	45	41	48	43	39	48	39	35	47	36	32	43	33	30	40	31	28	38	29	26	36	27	0			
		7:12	30.3	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	47	47	42	46	45	39	45	42	37	43	39	34						
				Exposed	48	48	48	48	48	48	48	48	48	48	48	47	48	48	45	48	48	43	48	44	39	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27						
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	48	48	42	47	45	39	46	42	36	42	39	34						
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	45	49	49	43	49	44	39	44	41	36	41	38	33	38	35	30	35	33	28	33	30	27			
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	49	48	42	48	45	39	45	42	36	42	39	34			
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	47	50	50	45	50	49	42	48	44	39	44	41	36	41	38	33	38	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	51	51	46	50	48	42	48	45	39	45	42	36	42	39	34			
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	47	51	51	44	51	48	42	48	44	39	44	41	35	41	37	33	38	35	30	35	32	28	33	30	27
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	52	45	51	48	42	49	45	39	45	42	36	42	39	34			
				Exposed	52	52	52	52	52	52	52	52	52	52	52	49	52	52	47	52	50	44	52	48	42	48	44	39	44	40	35	41	37	33	37	35	30	35	32	28	32	30	27			
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	49	53	51	45	52	48	42	48	44	39	45	41	36	42	39	34			
				Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	53	49	53	53	47	53	50	44	52	48	42	48	44	38	44	40	35	40	37	33	37	35	30	35	32	28	32	30	27
	C	Flat	0	Non-Exposed	53	53	53	53	53	53	53	53	51	53	53	48	53	53	45	53	52	43	53	49	40	53	47	38	52	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	53	53	44	53	50	41	53	47	39	53	45	37	51	42	35	49	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	51	51	51	50	51	51	47	51	51	45	51	51	42	51	49	40	51	47	38	51	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	51	51	44	51	50	41	51	47	39	51	45	37	51	42	35	48	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	45	48	48	42	48	45	40	48	43	38	48	40	36	45	37	33	42	34	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	48	47	42	48	44	39	48	41	36	47	39	34	45	36	32	43	34	31	41	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	45	46	46	42	46	45	40	46	42	38	46	40	36	45	37	33	41	33	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	46	46	41	46	44	39	46	41	36	46	38	34	45	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	47	48	48	44	48	47	42	48	45	40	48	42	38	48	40	36	45	36	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	48	46	41	48	43	39	48	41	36	47	38	34	44	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		5:12	22.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	45	48	47	43	48	45	41	48	41	37	48	37	34	45	34	31	42	32	29	39	30	27	37	28	25
				Exposed	48	48	47	48	48	44	48	46	41	48	43	39	48	40	37	48	38	35	47	36	33	45	35	31	42	32	29	39	29	26	36	27	24	33	25	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	47	43	48	45	41	48	41	37	48	37	34	45	34	31	42	32	29	39	30	27	37	28	25			
				Exposed	48	48	47	48	48	44	48	45	41	48	43	39	48	40	37	48	38	35	47	36	33	45	35	31	42	31	28	39	29	26	36	27	0	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	47	46	41	45	43	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	48	48	48	48	48	48	48	48	45	48	48	43	48	46	40	48	44	38	45	41	36	43	40	35	39	36	31	36	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	48	48	44	47	46	40	46	42	37	43	39	34	39	36	32	37	34	30	34	32	28
				Exposed	49	49	49	49	49	48	49	49	45	49	49	42	49	46	40	48	44	38	45	41	36	43	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	49	49	44	48	46	40	46	42	37	43	39	34	39	36	32	36	34	30	34	32	28
				Exposed	50	50	50	50	50	48	50	50	45	50	48	42	50	46	40	48	43	38	45	41	36	43	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	50	50	44	49	48	42	49	46	40	46	42	37	43	39	34	39	36	32	36	34	30	34	32	28
				Exposed	51	51	51	51	51	48	51	51	45	51	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	52	49	52	52	46	51	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	52	52	50	52	52	47	52	51	45	52	48	42	50	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	53	48	53	52	46	52	50	44	50	46	40	46	42	37	42	39	34	39	36	32	36	34	29	34	32	28
				Exposed	53	53	50	53	53	47	53	51	45	52	48	42	50	45	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	53	53	52	53	53	48	53	53	45	53	52	43	53	49	40	53	47	38	53	44	36	51	42	35	46	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	53	48	40	53	45	37	52	43	35	49	40	33	46	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	51	51	51	51	51	48	51	51	45	51	51	43	51	49	40	51	46	38	51	44	36	51	42	35	46	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	51	48	40	51	45	37	51	43	35	49	40	33	46	38	31	44	36	30	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	48	48	48	48	48	45	48	48	43	48	45	40	48	42	38	48	40	36	47	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	48	42	37	48	39	35	45	37	33	43	35	31	41	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	46	46	46	46	46	45	46	46	42	46	45	40	46	42	38	46	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	46	42	37	46	39	35	45	37	33	43	34	31	40	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	45	48	48	42	48	45	40	48	42	38	48	40	36	46	38	34	44	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	48	42	37	47	39	35	45	37	33	42	34	31	40	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	47	43	48	45	41	48	42	38	48	40	37	48	37	33	44	34	30	41	31	28	38	29	26	36	27	24	34	26	0
				Exposed	48	46	42	48	43	40	48	41	37	48	38	35	47	36	33	45	34	31	43	33	30	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		6:12	26.6	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	45	48	47	43	48	45	41	48	42	38	48	40	36	48	37	33	44	34	30	41	31	28	38	29	26	36	27	0	34	26	0
				Exposed	48	46	42	48	43	39	48	41	37	48	38	35	47	36	33	45	34	31	43	33	29	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		7:12	30.3	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	47	47	42	46	46	40	45	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	48	48	46	48	48	43	48	46	41	48	44	38	45	41	36	43	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	48	48	44	48	48	42	47	46	40	46	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	49	49	46	49	49	43	49	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	49	49	44	49	48	42	48	46	40	45	42	36	41	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	50	50	46	50	49	43	50	46	40	48	44	38	45	41	36	43	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	49	51	51	46	50	50	44	49	48	42	49	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25
				Exposed	51	51	46	51	49	43	50	46	40	48	44	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	51	52	52	49	52	52	46	51	50	44	50	48	42	50	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	52	52	46	52	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	51	53	53	49	53	52	46	52	50	44	51	47	42	49	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	53	51	45	53	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	49	49	43	49	48	40	49	45	37	49	41	34	47	39	32	44	36	30
				Exposed	49	49	49	49	49	49	49	49	48	49	49	46	49	49	43	49	49	41	49	47	39	49	45	37	49	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	43	47	47	40	47	44	37	47	41	34	46	38	32	43	36	30
				Exposed	47	47	47	47	47	47	47	47	47	47	47	45	47	47	43	47	47	41	47	47	39	47	45	37	47	41	34	45	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	37	43	38	34	43	35	32	41	33	29	38	31	28			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	41	36	43	39	34	43	35	31	40	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	37	41	38	34	41	35	31	41	33	29	38	31	28
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	36	41	39	34	41	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	42	37	43	38	34	43	35	31	41	33	29	38	31	28			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	40	43	43	40	43	43	38	43	40	36	43	38	34	43	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	39	43	40	36	43	37	33	43	34	31			
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	39	35	43	36	32	43	33	30	41	31	28	38	29	26	36	27	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	43	39	44	39	36	44	37	33	44	34	31			
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	43	39	44	39	35	44	36	32	43	33	30	40	31	28	38	29	26	36	27	0			
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	42	43	43	39	42	42	37	41	37	34	41	35	32			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	43	45	44	39	44	41	36	41	38	33	38	35	31	35	33	29	33	30	27
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	44	44	42	44	44	39	43	42	36	42	39	34
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	39	44	41	36	41	38	33	38	35	30	35	33	28	33	30	27
		9:12	36.9	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	42	45	45	42	44	44	39	44	42	36	42	39	34
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	42	47	44	39	44	41	36	41	38	33	38	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	43	46	46	42	46	47	42	46	46	39	45	42	36
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	48	44	48	48	42	48	44	39	44	41	36	41	38	33	38	35	30	35	32	28
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	48	45	47	47	42	46	46	42	45	45	39	44	42	36
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	49	49	44	49	48	42	48	44	39	44	40	35	41	37	33	37	35	30	35	32	28	32	30	27			
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	45	49	48	42	47	44	39	45	41	36	42	39	34
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	50	47	50	50	44	50	48	42	48	44	38	44	40	35	40	37	33	37	35	30	35	32	28	32	30	27
	C	Flat	0	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	48	49	49	45	49	49	43	49	49	40	49	47	38	49	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	49	49	44	49	49	41	49	47	39	49	45	37	49	42	35	49	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	47	47	42	47	47	40	47	47	38	47	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	47	47	44	47	47	41	47	47	39	47	45	37	47	42	35	47	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	38	43	40	36	43	37	33	42	34	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	43	43	42	43	43	39	43	41	36	43	39	34	43	36	32	43	34	31	41	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	40	36	41	37	33	41	33	30	39	31	28	36	29	26	34	27	0	32	26	0			
				Exposed	41	41	41	41	41	39	41	41	36	41	38	34	41	36	32	41	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	42	38	43	40	36	43	36	32	41	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	43	43	41	43	43	39	43	41	36	43	38	34	43	36	32	42	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	37	43	37	34	43	34	31	42	32	29	39	30	27	37	28	25						
				Exposed	43	43	43	43	43	43	43	43	41	43	43	39	43	40	37	43	38	35	43	36	33	43	35	31	42	32	29	39	29	26	36	27	24	33	25	0	31	0	0	30	0	0
20		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	44	41	44	41	37	44	37	34	44	34	31	42	32	29	39	30	27	37	28	25			
				Exposed	44	44	44	44	44	44	44	44	41	44	43	39	44	40	37	44	38	35	44	36	33	44	35	31	42	31	28	39	29	26	36	27	0	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	44	43	43	41	42	42	37	41	39	34	39	36	32	37	34	30	34	32	28	
				Exposed	45	45	45	45	45	45	45	45	45	45	45	40	45	44	38	44	41	36	43	40	35	39	36	31	36	33	29	33	31	27	30	29	25	28	27	0	27	25	0			
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	44	44	44	40	43	42	37	42	39	34	39	36	32	37	34	30	34	32	28	
				Exposed	46	46	46	46	46	46	46	46	45	46	46	42	46	46	40	46	44	38	45	41	36	43	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	46	46	45	45	40	44	42	37	43	39	34	39	36	32	36	34	30	34	32	28	
				Exposed	47	47	47	47	47	47	47	47	45	47	47	42	47	46	40	47	43	38	45	41	36	43	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	46	47	47	44	46	46	40	45	42	37	42	39	34	39	36	32	36	34	30	34	32	28	
				Exposed	48	48	48	48	48	48	48	48	45	48	48	42	48	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	48	48	44	47	46	40	46	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	49	49	49	49	49	47	49	49	45	49	48	42	49	46	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	50	50	46	49	49	44	48	46	40	46	42	37	42	39	34	39	36	32	36	34	29	34	32	28
				Exposed	50	50	50	50	50	47	50	50	45	50	48	42	50	45	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	49	49	49	49	49	48	49	49	45	49	49	43	49	49	40	49	47	38	49	44	36	49	42	35	46	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	49	48	40	49	45	37	49	43	35	49	40	33	46	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	47	47	47	47	47	47	47	47	45	47	47	43	47	47	40	47	46	38	47	44	36	47	42	35	46	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	47	47	40	47	45	37	47	43	35	47	40	33	46	38	31	44	36	30	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	40	43	42	38	43	40	36	43	38	34	43	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	43	42	37	43	39	35	43	37	33	43	35	31	41	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	40	36	41	38	34	41	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	41	41	37	41	39	35	41	37	33	41	34	31	40	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	42	43	43	40	43	42	38	43	40	36	43	38	34	43	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	43	42	37	43	39	35	43	37	33	42	34	31	40	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	42	38	43	40	37	43	37	33	43	34	30	41	31	28	38	29	26	36	27	24	34	26	0			
				Exposed	43	43	42	43	43	40	43	41	37	43	38	35	43	36	33	43	34	31	43	33	30	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		6:12	26.6	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	42	38	44	40	36	44	37	33	44	34	30	41	31	28	38	29	26	36	27	0	34	26	0			
				Exposed	44	44	42	44	43	39	44	41	37	44	38	35	44	36	33	44	34	31	43	33	29	41	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	44	43	43	42	43	43	40	42	42	36	41	38	33	38	35	31	35	33	29	33	31	27	31	29	25	
				Exposed	45	45	45	45	45	43	45	45	41	45	44	38	44	41	37	43	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	44	44	44	42	44	44	40	43	42	36	42	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	46	46	46	46	46	43	46	46	40	46	44	38	45	41	36	43	39	34	40	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	46	47	46	46	46	46	44	45	45	42	45	45	40	43	42	36	41	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	47	47	46	47	47	43	47	46	40	47	44	38	45	41	36	43	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	47	47	46	47	47	46	42	46	45	40	44	41	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25			
				Exposed	48	48	46	48	48	43	48	46	40	48	44	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	48	48	44	47	47	42	47	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	49	49	46	49	49	43	49	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	49	50	50	46	49	49	44	48	47	42	48	45	40	45	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	50	50	45	50	49	43	50	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	43	48	48	40	48	45	37	48	41	34	47	39	32	44	36	30
				Exposed	48	48	48	48	48	48	48	48	48	48	48	46	48	48	43	48	48	41	48	47	39	48	45	37	48	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	46	40	46	44	37	46	41	34	46	38	32	43	36	30			
				Exposed	46	46	46	46	46	46	46	46	46	46	46	45	46	46	43	46	46	41	46	46	39	46	45	37	46	41	34	45	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	37	42	38	34	42	35	32	41	33	29	38	31	28						
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	41	36	42	39	34	42	35	31	40	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	38	34	40	35	31	40	33	29	38	31	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	39	34	40	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	38	34	39	35	31	39	33	29	38	31	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	38	34	39	38	34	39	35	31	40	32	29	37	29	27	35	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	37	33	39	34	31			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	35	39	36	32	39	33	30	39	31	28	38	29	26	36	27	0
		6:12	26.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	36	40	37	33	40	34	31
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	35	40	36	32	40	33	30	40	31	28	38	29	26	36	27	0
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	39	39	39	34			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	41	36	41	38	33	38	35	31	35	33	29	33	30	27						
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	39	40	40	36	39	39	34			
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	41	36	41	38	33	38	35	30	35	33	28	33	30	27
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	42	42	42	42	42	39	41	41	36	40	39	34
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	43	41	36	41	38	33	38	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	42	43	43	39	42	42	36	41	39	34
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	44	39	44	41	35	41	37	33	38	35	30	35	32	28	33	30	27
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	42	44	44	39	43	42	36	42	39	34
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	46	42	46	44	39	44	40	35	41	37	33	37	35	30	35	32	28	32	30	27
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	46	46	42	45	44	39	44	41	36	42	39	34
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	47	47	42	47	44	38	44	40	35	40	37	33	37	35	30	35	32	28	32	30	27
	C	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	48	43	48	48	40	48	47	38	48	43	35	47	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	48	48	44	48	48	41	48	47	39	48	45	37	48	42	35	48	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	46	42	46	46	40	46	46	38	46	43	35	46	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	46	46	44	46	46	41	46	46	39	46	45	37	46	42	35	46	40	33	46	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	40	36	42	37	33	42	34	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	42	42	42	42	42	39	42	41	36	42	39	34	42	36	32	42	34	31	41	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	37	33	40	33	30	39	31	28	36	29	26	34	27	0	32	26	0
				Exposed	40	40	40	40	40	39	40	40	36	40	38	34	40	36	32	40	34	31	40	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		4:12	18.4	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	36	32	39	33	30	38	31	28	36	29	26	34	27	0	32	26	0
				Exposed	39	39	39	39	39	39	39	39	36	39	38	34	39	36	32	39	34	31	39	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		5:12	22.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	37	34	39	34	31	39	32	29	39	30	27	37	28	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	37	39	38	35	39	36	33	39	35	31	39	32	29	39	29	26	36	27	24	33	25	0	31	0	0	30	0	0			
		6:12	26.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	37	34	40	34	31	40	32	29	39	30	27	37	28	25
				Exposed	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	38	35	40	36	33	40	35	31	40	31	28	39	29	26	36	27	0	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	39	39	34	38	36	32	37	34	30	34	32	28
				Exposed	41	41	41	41	41	41	41	41	41	41	41	38	41	41	36	41	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	40	40	40	37	39	39	34	39	36	32	37	34	30	34	32	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	41	36	42	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43	43	43	42	42	40	41	41	37	40	39	34	39	36	32	36	34	30	34	32	28
				Exposed	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	43	38	43	41	36	43	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	43	43	40	42	42	37	41	39	34	39	36	32	36	34	30	34	32	28			
				Exposed	45	45	45	45	45	45	45	45	45	45	45	42	45	45	40	45	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	44	44	44	40	43	42	37	42	39	34	39	36	32	36	34	30	34	32	28
				Exposed	46	46	46	46	46	46	46	46	45	46	46	42	46	46	40	46	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	47	44	45	45	40	44	42	37	42	39	34	39	36	32	36	34	29	34	32	28
				Exposed	47	47	47	47	47	47	47	47	45	47	47	42	47	45	40	47	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	43	48	48	40	48	47	38	48	44	36	48	42	35	46	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	48	48	40	48	45	37	48	43	35	48	40	33	46	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	46	46	46	46	46	46	46	46	45	46	46	43	46	46	40	46	46	38	46	44	36	46	42	35	46	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	46	46	40	46	45	37	46	43	35	46	40	33	46	38	31	44	36	30	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	40	36	42	38	34	42	36	32	41	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	42	42	37	42	39	35	42	37	33	42	35	31	41	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	38	34	40	36	32	40	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	40	40	37	40	39	35	40	37	33	40	34	31	40	33	29	39	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	38	34	39	36	32	39	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	39	39	37	39	39	35	39	37	33	39	34	31	39	32	29	38	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	37	39	37	33	39	34	30	39	31	28	38	29	26	36	27	24	34	26	0						
				Exposed	39	39	39	39	39	39	39	39	37	39	38	35	39	36	33	39	34	31	39	33	30	39	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		6:12	26.6	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	37	33	40	34	30	40	31	28	38	29	26	36	27	0	34	26	0						
				Exposed	40	40	40	40	40	39	40	40	37	40	38	35	40	36	33	40	34	31	40	33	29	40	31	28	38	29	26	35	27	0	33	0	0	30	0	0	29	0	0	27	0	0
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	36	38	38	33	38	35	31	35	33	29	33	31	27	31	29	25			
				Exposed	41	41	41	41	41	41	41	41	41	41	41	38	41	41	36	41	39	34	41	37	33	39	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	41	41	40	40	40	36	39	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	42	42	42	42	42	42	42	42	40	42	42	38	42	41	36	42	39	34	40	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43	43	43	42	42	42	42	42	42	40	41	41	36	40	38	33	38	35	31	35	33	29	33	31	27	31	29	25
				Exposed	44	44	44	44	44	43	44	44	40	44	44	38	43	41	36	43	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	44	42	43	43	40	42	41	36	41	38	33	38	35	31	35	33	29	33	30	27	31	29	25			
				Exposed	45	45	45	45	45	43	45	45	40	45	44	38	44	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	45	45	42	44	44	40	43	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25			
				Exposed	46	46	46	46	46	43	46	46	40	46	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	46	46	44	46	46	42	45	45	40	44	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	47	47	45	47	47	43	47	46	40	47	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	45	37	45	41	34	45	39	32	44	36	30
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	41	45	45	39	45	45	37	45	41	34	45	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	37	42	41	34	42	38	32	42	36	30
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	42	39	42	42	37	42	41	34	42	38	31	42	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	38	34	39	35	32	39	33	29	38	31	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	35	31	39	32	29	37	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	31	37	33	29	37	31	28			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	35	31	37	32	29	37	29	27	35	28	25	32	26	0	30	0	0			
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	31	36	33	29	36	31	28			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	31	36	32	29	36	29	27	35	28	25	32	26	0	30	0	0			
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	31									
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	33	30	36	31	28									
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	34	31									
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	32	37	33	30	37	31	28									
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34									
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	33	38	35	31									
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	34									
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	38	33									
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39									
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	36	40	38	33	38	35	30									
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41									
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	41	35	41	37	33	38	35	30									
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43	43	42									
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	44	44	39	43	40	35	41	37	33	37	35	30									
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	42									
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	45	42	45	44	38	44	40	35	40	37	33									
	C	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	45	38	45	43	35	45	39	32	44	36	30	40	34	28	38	31	26	35	29	0
				Exposed	45	45	44	45	45	41	45	45	39	45	45	37	45	42	35	45	40	33	45	38	31	44	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	35	42	39	32	42	36	30	40	34	28	38	31	26	35	29	0
				Exposed	42	42	42	42	42	41	42	42	39	42	42	37	42	42	35	42	40	33	42	38	31	42	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	37	33	39	34	30	39	31	28	36	29	26	34	27	0	32	26	0			
				Exposed	39	39	39	39	39	39	39	39	36	39	39	34	39	36	32	39	34	31	39	33	29	39	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0			
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	33	37	33	30	37	31	28	36	29	26	34	27	0	32	26	0
				Exposed	37	37	37	37	37	37	37	37	36	37	37	34	37	36	32	37	34	31	37	33	29	37	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0			
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	32	36	33	30	36	31	28	36	29	26	34	27	0	32	26	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	34	31	36	33	29	36	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0			
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	31	36	32	29	36	30	27	36	28	25
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	35	31	36	32	29	36	29	26	36	27	24	33	25	0	31	0	0	30	0	0
30		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	34	31	37	32	29	37	30	27	37	28	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	33	37	35	31	36	32	29	36	29	26	36	27	24	33	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	37	37	34	36	36	32	35	34	30	34	32	28
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	36	31	36	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	37	36	32	36	34	30	34	32	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	36	31	36	33	29	33	31	27	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	37	38	38	34	37	36	32	36	34	30	34	32	28
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	39	34	39	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	40	40	40	37	39	39	34	38	36	32	36	34	30	34	32	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	41	36	42	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43	43	43	42	42	40	41	41	37	40	39	34	39	36	32	36	34	30	34	32	28				
				Exposed	44	44	44	44	44	44	44	44	44	44	44	42	44	44	40	44	43	38	43	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	43	43	40	42	42	37	41	39	34	39	36	32	36	34	29	34	32	28
				Exposed	45	45	45	45	45	45	45	45	45	45	45	42	45	45	40	45	43	38	45	41	36	43	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	43	45	45	40	45	45	38	45	44	36	45	42	35	45	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	45	45	40	45	45	37	45	43	35	45	40	33	45	38	31	44	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	42	38	42	42	36	42	42	35	42	38	31	42	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	42	42	40	42	42	37	42	42	35	42	40	33	42	38	31	42	36	30	41	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	38	34	39	36	32	39	33	29	38	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	39	39	37	39	39	35	39	37	33	39	35	31	39	33	29	39	33	31	28	37	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	36	32	37	33	29	37	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	37	37	37	37	37	35	37	37	33	37	34	31	37	34	31	37	33	29	37	31	28	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	33	29	36	30	27	35	28	25	33	26	0	31	0	0	29	0	0			
				Exposed	36	36	36	36	36	35	36	36	33	36	34	31	36	32	29	36	31	28	36	29	27	35	28	26	32	26	0	30	0	0	28	0	0	0	0	0	0	0	0			
		5:12	22.6	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	34	30	36	31	28	36	29	26	36	27	24	34	26	0			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	35	36	36	33	36	34	31	36	33	30	36	31	28	36	29	26	35	27	0	33	0	0	30	0	0	27	0	0			
		6:12	26.6	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	33	37	34	30	37	31	28	37	29	26	36	27	0	34	26	0			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	34	31	37	33	29	37	31	28	37	29	26	35	27	0	33	0	0	30	0	0	27	0	0			
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	36	36	36	33	36	35	31	35	33	29	33	31	27	31	29	25
				Exposed	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0			
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36	37	37	33	36	35	31	35	33	29	33	31	27	31	29	25				
				Exposed	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	37	33	38	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0			
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	39	36	38	38	33	37	35	31	35	33	29	33	31	27	31	29	25			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	39	34	40	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	41	41	40	40	36	39	38	33	38	35	31	35	33	29	33	30	27	31	29	25			
				Exposed	42	42	42	42	42	42	42	42	40	42	42	38	42	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43	43	43	42	42	42	42	42	40	41	41	36	40	38	33	38	35	31	35	33	29	33	30	27	30	29	25			
				Exposed	44	44	44	44	44	44	44	44	40	44	43	38	43	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	44	44	44	44	42	43	43	40	42	41	36	41	38	33	38	35	31	35	33	29	33	30	27	30	29	25			
				Exposed	45	45	45	45	45	43	45	45	40	45	43	38	45	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	Flat	0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	37	43	41	34	43	39	32	43	36	30
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	43	39	43	43	37	43	41	34	43	38	31	42	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	38	32	39	36	30			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	39	34	39	38	31	39	35	29	39	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	32	36	33	29	36	31	28			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	35	31	36	32	29	36	30	27	35	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	34	31	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	29	27	34	28	25	32	26	0	30	0	0			
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	34	31	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	29	27	34	28	25	32	26	0	30	0	0			
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31						
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	26	34	27	0						
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31						
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	26	34	27	0						
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32						
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	33	29	33	31	27	30	29	25	28	27	0						
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	35	35	32						
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	31	29	33	31	27	30	28	25	28	27	0						
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	36						
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	34	30	35	32	28	33	30	27	33	28	25						
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	38	38	34						
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	34	30	35	32	28	33	30	27	33	28	25						
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	39	39	36						
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	40	35	41	37	33	37	35	30	35	32	28						
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	41	41	39						
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	43	38	43	40	35	40	37	33	37	35	30						
	C	Flat	0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	43	35	43	39	32	43	36	30	40	34	28	38	31	26	35	29	0
				Exposed	43	43	43	43	43	41	43	43	39	43	43	37	43	42	35	43	40	33	43	38	31	43	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	39	32	39	36	30	39	34	28	38	31	26	35	29	0			
				Exposed	39	39	39	39	39	39	39	39	37	39	39	35	39	39	33	39	38	31	39	36	30	39	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0			
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	34	30	36	31	28	36	29	26	34	27	0	32	26	0			
				Exposed	36	36	36	36	36	36	36	36	34	36	36	32	36	34	31	36	33	29	36	31	28	36	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0			
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	33	30	34	31	28	34	29	26	34	27	0	32	26	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	32	34	34	31	34	33	29	34	31	28	34	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0			
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	30	34	31	28	34	29	26	34	27	0	32	26	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	32	34	34	31	34	33	29	34	31	28	34	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0			
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	30	27	34	28	25									
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	32	29	34	29	26	34	27	24	33	25	0	31	0	0	30	0	0			
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	30	27	34	28	25			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	31	28	34	29	26	34	27	0	33	25	0	31	0	0	30	0	0			
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	34	34	30	33	32	28			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31	35	33	29	33	31	27	30	29	25	28	27	0	27	25	0			
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	35	35	32	34	34	30	34	32	28			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	31	29	33	31	27	30	28	25	28	27	0	27	0	0			
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	37	36	36	34	36	36	32	35	34	30	34	32	28
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	34	38	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	34	37	36	32	36	34	30	34	32	28			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	39	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	39	39	34	38	36	32	36	34	30	34	32	28	
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	41	38	41	41	36	41	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	40	41	41	37	40	39	34	39	36	32	36	34	29	34	32	28
				Exposed	43	43	43	43	43	43	43	43	43	43	43	42	43	43	40	43	43	38	43	41	36	42	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
	D	Flat	0	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	43	43	38	43	43	36	43	42	35	43	38	32	43	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	43	43	40	43	43	37	43	43	35	43	40	33	43	38	31	43	36	30	42	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	35	39	38	31	39	35	29	39	33	27	36	30	25	34	28	0	32	27	0
				Exposed	39	39	39	39	39	37	39	39	35	39	39	33	39	38	31	39	36	30	39	34	28	39	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	33	29	36	30	27	35	28	25	33	26	0	31	0	0	29	0	0
				Exposed	36	36	36	36	36	35	36	36	33	36	36	31	36	33	29	36	31	28	36	29	27	35	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	33	29	34	30	27	34	28	25	33	26	0	31	0	0	29	0	0
				Exposed	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	34	31	28	34	29	27	34	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	33	29	34	30	27	34	28	25	33	26	0	31	0	0	29	0	0
				Exposed	34	34	34	34	34	34	34	34	33	34	34	31	34	33	29	34	31	28	34	29	27	34	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	30	34	31	28	34	29	26	34	27	24	34	26	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	31	34	33	30	34	31	28	34	29	26	34	27	0	33	0	0	30	0	0	29	0	0			
		6:12	26.6	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	30	34	31	28	34	29	26	34	27	0	34	26	0			
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		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	34	34	31	33	33	29	33	31	27	31	29	25			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	33	35	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0			
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	33	35	35	31	34	33	29	33	31	27	31	29	25	
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	33	36	36	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0			
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	37	36	36	36	33	36	35	31	35	33	29	33	31	27	31	29	25	
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	34	38	38	34	38	37	33	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	36	37	37	33	36	35	31	35	33	29	33	30	27	31	29	25				
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	36	38	38	33	37	35	31	35	33	29	33	30	27	30	29	25	
				Exposed	41	41	41	41	41	41	41	41	40	41	41	38	41	41	36	41	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	42	42	42	42	42	41	41	40	40	40	36	40	38	33	38	35	31	35	33	29	33	30	27	30	29	25
				Exposed	43	43	43	43	43	43	43	43	40	43	43	38	43	41	36	42	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	37	40	40	34	40	39	32	40	36	30
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	40	37	40	40	34	40	38	31	40	35	29	39	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	32	37	36	30
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	31	37	35	29	37	32	27	36	30	0	34	28	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	29	34	31	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	32	29	34	30	27	34	28	25	32	26	0	31	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	29	27	32	28	25	32	26	0	30	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	29	27	32	28	25	32	26	0	30	0	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	31
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0
		6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	31
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	29	33	30	27
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	34	33	28	33	30	27	34	30	27
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	35	30	35	32	28	33	30	27
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	35	30	35	32	28	33	30	27
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	34
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	34
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	40	40	39	39	39	36	38	38	34
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	37	33	37	35	30	35	32	28	33	30	27
	C	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	35	40	39	32	40	36	30	40	34	28	38	31	26	35	29	0
				Exposed	40	40	40	40	40	40	40	40	39	40	40	37	40	40	35	40	40	33	40	38	31	40	36	30	40	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	32	37	36	30	37	34	28	37	31	26	35	29	0			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	37	31	37	36	30	37	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	30	34	31	28	34	29	26	34	27	0	32	26	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	31	34	33	29	34	31	28	34	28	26	33	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28	32	28	26	32	26	0	31	0	0	29	0	0	27	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28	32	28	26	32	26	0	31	0	0	29	0	0	27	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	32	28	25			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	29	26	32	27	24	32	25	0	31	0	0	30	0	0
		6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	32	28	25
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	29	26	32	27	0	32	25	0	31	0	0	30	0	0
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	30	32	32	28			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	33	33	30	32	32	28	
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	34	33	29	33	31	27	30	28	25	28	27	0	27	0	0		
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	34	34	34	32	34	34	30	33	32	28	
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	36	33	29	33	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	35	35	32	35	34	30	34	32	28	
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	37	37	37	34	36	36	32	36	34	30	34	32	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	39	39	37	38	38	34	38	36	32	36	34	29	34	32	28	
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	37	33	37	35	30	35	32	28	33	30	27
	D	Flat	0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	40	36	40	40	35	40	38	32	40	35	29	39	33	27	37	30	25	34	28	0	32	27	0
				Exposed	40	40	40	40	40	37	40	40	35	40	40	33	40	38	31	40	36	30	40	34	28	40	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	31	37	35	29	37	33	27	36	30	25	34	28	0	32	27	0			
				Exposed	37	37	37	37	37	37	37	37	35	37	37	33	37	37	31	37	36	30	37	34	28	37	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	33	29	34	30	27	34	28	25	33	26	0	31	0	0	29	0	0			
				Exposed	34	34	34	34	34	34	34	34	31	34	34	33	34	34	29	34	34	31	34	34	29	34	34	28	34	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	30	27	32	28	25	32	26	0	31	0	0			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	32	28	32	32	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	30	27	32	28	25	32	26	0	31	0	0			
				Exposed	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28	32	32	29	32	32	27	32	32	26	32	26	0	30	0	0	28	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	32	28	25			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	24
		6:12	26.6	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	24
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27	30	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	33	33	30	32	32	28	
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	34	33	29	33	31	27	30	28	25	28	27	0	27	0	0		
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	35	35	35	35	35	33	34	34	31	33	33	29	33	31	27	31	29	25
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	33	36	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	33	35	35	31	34	33	29	33	30	27	31	29	25
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	37	32	37	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	36	37	37	33	36	35	31	35	33	29	33	30	27	30	29	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40	40	40	40	39	39	36	38	38	33	37	35	31	35	33	29	33	30	27	30	29	25
				Exposed	41	41	41	41	41	41	41	41	40	41	41	38	41	41	36	41	39	34	40	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	38	32	38	36	30
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	38	34	38	38	31	38	35	29	38	32	27	36	30	25	34	28	0
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	35	30			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	35	29	35	32	27	35	30	0	34	28	0			
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	31	28						
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	32	28	25	32	26	0	31	0	0			
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	28	25	30	26	0	30	0	0						
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	28	25	30	26	0	30	0	0						
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	0			
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31						
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	27	0			
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31						
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	30	27	31	29	0			
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33						
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	33	33	28	33	30	27						
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34						
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	30	34	32	28	33	30	27			
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34						
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	30	35	32	28	33	30	27			
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36						
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	37	33	37	35	30	35	32	28	32	30	27
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	36	37	37	34			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	35	39	37	33	37	35	30	35	32	28	32	30	27			
	C	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	38	38	32	38	36	30	38	34	28	38	31	26	35	29	0			
				Exposed	38	38	38	38	38	38	38	38	37	38	38	35	38	38	33	38	38	31	38	36	30	38	33	28	37	31	26	34	28	0	32	27	0	29	0	0	28	0	0			
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	35	30	35	34	28	35	31	26	35	29	0			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	35	30	35	33	28	35	31	26	34	28	0	32	27	0	29	0	0	28	0	0			
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	28	32	29	26	32	27	0	32	26	0			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28	32	28	26	32	26	0	31	0	0	29	0	0	27	0	0	0	0	0			
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	0	30	26	0			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	30	28	30	28	26	30	26	0	30	0	0	29	0	0	27	0	0	0	0	0			
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	0	30	26	0			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	30	28	30	28	26	30	26	0	30	0	0	29	0	0	27	0	0	0	0	0			
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	28	25						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	26	30	27	24	30	25	0	30	0	0	30	0	0			
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	27	31	28	25						
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	29	26	31	27	0	31	25	0	31	0	0	30	0	0			
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	27	31	29	25						
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	30	29	25	28	27	0	27	25	0			
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	32	32	32	30	31	31	28			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	31	27	30	28	25	28	27	0	27	0	0			
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	32	32	30	32	32	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	30	27	30	28	25	28	27	0	27	0	0			
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	32	33	33	30	33	32	28			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0			
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	35	35	32	34	34	30	34	32	28			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	36	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	38	38	37	37	37	34	36	36	32	36	34	29	34	32	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0
	D	Flat	0	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	38	35	38	38	32	38	35	29	38	33	27	37	30	25	34	28	0
				Exposed	38	38	38	38	38	37	38	38	35	38	38	31	38	36	30	38	34	28	38	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0			
		1:12	4.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31	35	35	29	35	33	27	35	30	25	34	28	0	32	27	0			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	33	35	35	31	35	35	30	35	34	28	35	33	27	35	30	0	33	28	0	31	26	0	29	0	0	27	0	0			
		2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	30	27	32	28	25	32	26	0	31	0	0	29	0	0			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	31	28	32	29	27	32	28	26	32	26	0	30	0	0	28	0	0	26	0	0	0	0	0			
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	28	25	30	26	0	30	0	0	29	0	0			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	29	27	30	28	26	30	26	0	30	0	0	28	0	0	26	0	0	26	0	0	0	0	0			
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	28	25	30	26	0	30	0	0	29	0	0			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	29	27	30	28	26	30	26	0	30	0	0	28	0	0	26	0	0	26	0	0	0	0	0			
		5:12	22.6	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	24	30	26	0						
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	29	26	30	27	0	30	0	0	30	0	0	29	0	0	27	0	0			
		6:12	26.6	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	27	0	31	26	0			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	28	31	29	26	31	27	0	31	0	0	30	0	0			
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	30	30	27	30	29	25						
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	31	30	26	29	28	0	28	26	0	26	0	0	0	0			
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	32	31	31	31	29	31	31	27	30	29	25	
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	33	33	31	32	32	29	32	31	27	31	29	25
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	34	34	31	33	33	29	32	30	27	31	29	25
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0			
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	33	35	35	31	34	33	29	33	30	27	30	29	25		
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	37	32	37	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	38	38	38	36	37	37	33	36	35	31	35	33	29	33	30	27	30	29	25
				Exposed	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	39	39	34	39	37	32	38	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	32	36	36	30			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	36	31	36	35	29	36	32	27	36	30	25	34	28	0			
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30			
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	32	27	33	30	0	33	28	0			
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	28			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	27	31	28	25	31	26	0	31	0	0			
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	28			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	25	29	26	0	29	0	0			
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	26	0	28	0	0	28	0	0			
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0			
	B	6:12	26.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0			
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27	30	30	27			
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	27			
		9:12	36.9	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	32	30	27	32	30	27			
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	32	32	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	30	27	30	28	0	28	27	0			
		11:12	42.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	32	33	33	30	33	32	28			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31	35	33	29	33	30	27	30	28	0	28	27	0			
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	35	35	32	35	34	29	34	32	28			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	35	31	35	32	28	32	30	26	29	28	0			
		Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	36	32	36	36	30	36	34	28	36	31	26	35	29	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	36	36	36	31	36	36	30	36	36	33	28	36	31	26	34	28	0	32	27	0	29	0	0	28	0	0
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	28	33	31	26	33	29	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	30	33	33	28	33	31	26	33	28	0	32	27	0	29	0	0	28	0	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	29	26	31	27	0	31	26	0
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	28	31	28	26	31	26	0	31	0	0	29	0	0	27	0	0	0	0	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0	29	26	0			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	26	0	29	0	0	27	0	0	0	0	0	0	0	0			
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0	28	26	0			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	26	0	28	0	0	27	0	0	0	0	0	0	0	0			
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	25	29	29	26	29	27	0			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	26	29	27	24	29	25	0	29	0	0	29	0	0			
50	C	6:12	26.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	25			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	24	29	25	0	29	0	0	29	0	0	29	0	0			
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	28				
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	25	28	27	0	27	25	0						
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	28						
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		9:12	36.9	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	30	31	31	28			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	32	32	28			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	30	27	30	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	32	33	33	30	33	32	28			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	33	29	33	30	27	30	28	0	28	27	0	27	0	0			
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	34	35	35	32	35	34	29	34	32	28			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	37	37	32	37	35	31	35	32	28	32	30	26	29	28	0	28	26	0			
		Flat	0	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	32	36	35	29	36	33	27	36	30	25	34	28	0	32	27	0
				Exposed	36	36	36	36	36	36	36	36	35	36	36	33	36	36	31	36	36	30	36	34	28	36	33	27	36	30	0	33	28	0	31	26	0	29	0	0	27	0	0	26	0	0
		1:12	4.8	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	33	27	33	30	25	33	28	0	32	27	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	30	33	33	28	33	33	27	33	30	0	33	28	0	31	26	0	29	0	0	27	0	0	0	0	0
		2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	27	31	28	25	31	26	0	31	0	0	29	0	0			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	28	31	29	27	31	28	26	31	26	0	30	0	0	28	0	0	26	0	0	0	0	0			
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	25	29	26	0	29	0	0	29	0	0			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	27	29	28	26	29	26	0	29	0	0	28	0	0	26	0	0	0	0	0			
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	26	0	28	0	0	28	0	0			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	26	28	26	0	28	0	0	28	0	0	0	0	0	0	0	0			
		5:12	22.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	24	29	26	0	29	0	0			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0	29	0	0	29	0	0	27	0	0	0	0	0			
	D	6:12	26.6	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0	29	0	0	27	0	0			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	26	29	27	0	29	0	0	29	0	0	27	0	0	0	0	0			
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	27	29	29	25			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	26	29	28	0	28	26	0	26	0	0			
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	29	30	30	27	29	29	25				
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	26	29	28	0	28	26	0	26	0	0			
		9:12	36.9	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	31	29	31	30	25			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	31	32	32	29	31	30	27			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	31	34	32	28	32	30	26	29	28	0	28	26	0	26	0	0			
		11:12	42.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	33	34	34	31	33	33	29	32	30	27	30	29	25
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0			
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	36	36	36	36	33	35	35	31	34	33	29	33	30	27	30	29	25	
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	37	34	37	37	32	37	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	30
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	34	29	34	32	27	34	30	25	34	28	0
		1:12	4.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	32	27	32	30	0	32	28	0
		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	25	29	26	0	29	0	0			
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27			
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	26	0	27	0	0			
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27			
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	26	0	27	0	0			
		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27			
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0			
	B	6:12	26.6	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0	28	0	0			
		7:12	30.3	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29			
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	25	28	27	0	27	25	0
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	30	28	25	28	27	0	27	0	0
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	28		
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	28	31	30	27	31	30	27	31	30	27
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	30	28	0	28	27	0
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	32			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	30	27	30	28	0	28	27	0
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	34	32	34	34	29	33	32	28
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	36	31	35	33	29	33	30	27	30	28	0	28	27	0	0
		Flat	0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	29	34	33	27	34	30	25	34	28	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	34	34	28	34	33	27	34	30	0	34	26	0
		1:12	4.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	28	32	32	27	32	30	25	32	28	0
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		2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	0
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	29	28	29	29	26	29	29	26	29	29	26	29	27	0	29	0	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	26	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	26	27	27	0	27	0	0	27	0	0
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	26	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	26	27	27	0	27	0	0	27	0	0
		5:12	22.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25			
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	24	27	25	0	27	0	0	27	0	0
55	C	6:12	26.6	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0	28	25	0	28	0	0	28	0	0
		7:12	30.3	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	28	28	28
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	25	28	27	0	27	25	0			
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	28				
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	28	25	28	27	0	27	0	0		
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	30	30	30	28				
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	30	27	30	28	25	28	27	0	27	0	0
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	30				
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	30	27	30	28	0	28	27	0
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	32	30		
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	34	33	29	33	30	27	30	28	0	28	27	0
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	34	31	33	33	29	33
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	35	32	35	35	31	35	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	29	33	32	27	33	30	25	33	28	0
		1:12	4.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	30	0	30	28	0	30	28	0
		2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	26	0	28	0	0	28	0	0
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	26	25	26	26	0	26	0	0	26	0	0
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	26	25	26	26	0	26	0	0	26	0	0
		5:12	22.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
	B	6:12	26.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	27	0
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27	30	30	27
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	31	27	31	30	27	31	28	0	31	27	0
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	31	31	28
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	29	32	32	30	32	32	27	32	28	0	32	27	0
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	32	33	33	29	32	32	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	34	30	34	34	28	34	32	30	32	30	27
		Flat	0	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	33	30	33	33	28	33	31	26	33	29	0
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	33	30	33	33	28	33	31	26	33	28	0	32	27	0	29	0	0	28	0	0	0	0	0
		1:12	4.8	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26	30	29	0	0	0	0
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26	30	28	0	30	27	0	29	0	0	28	0	0	0	0	0
		2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	27	0	28	26	0	0	0	0
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	26	0	28	0	0	28	0	0	27	0	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0	26	0	0	26	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0	26	0	0	26	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0	26	0	0	26	0	0	0	0	0	0	0	0
	D	6:12	26.6	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	27	0	27	0	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	0	0	27	0	0	27	0	0	0	0	0
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	27	0	27	0	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	0	0
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	28	26	28	28	0	28	26	0	0	0	0
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	29	27	28	28	25
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	26	29	28	0	28	26	0	26	0	0	0	0	0
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	30	29	30	30	27	29	29	25
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	31	31	30	26	29	28	0	28	26	0	0	0	0	0
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	31	29	31	30	27	30	29	25
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	29	28	0	28	26	0	26	0	0	0	0	0
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	33	33	31	32	32	29	32	30	27	30	29	25
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	34	31	34	32	28	32	30	26	29	28	0	28	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	Flat	0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	30	27	30	30	25	30	28	0
		1:12	4.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	0	28	28	0
		2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	26	0	26	0	0	26	0	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		5:12	22.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0
		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	28	0	28	27	0	27	0	0
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	29	31	31	28
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	C	Flat	0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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		1:12	4.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0	26	0	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
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		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	29	31	31	28
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	D	Flat	0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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		1:12	4.8	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0	26	0	0
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		6:12	26.6	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	0	0	26	0	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	26	0	0	0	0
		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	28	27	28	25
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		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	27	29	25
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	0	28	26	0	26	0	0
		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	31	31	31	29	30	25
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	28	32	30	26	29	28	0	28	26	0	26	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	25	28	28	0	28	28	0
		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	26	0
		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	24	0	24	0	0
		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0
		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		6:12	26.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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	C	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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	D	Flat	0	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		1:12	4.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	26	0	26	26	0	26	26
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		2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0
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		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	25
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	29	29	27	29	29	25	29	29
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	30	26	29	28	0	28	26	0	26	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	Flat	0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	27	0	27	27	0
		1:12	4.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	25	0
		2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	21	0	0
		5:12	22.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		10:12	39.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0
		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	27	0
		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	0	28	28	0
	C	Flat	0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	27	0	27	27	0
		1:12	4.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	0	0
		2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	21	0	0
		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	21	0	0
		5:12	22.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		10:12	39.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0
		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	0	0
		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	28	0	28	26	0	26	0	0	0	0	0	0
	D	Flat	0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25	27	27	0	27	27	0
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	0	27	27	0	27	0	0	26	0	0	0
		1:12	4.8	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	25	0	25	25	0	25	0	0	25	0	0	0
		2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0	23	0	0	23	0	0	0
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	21	0	0	21	0	0	21	0	0	0
		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	21	0	0	21	0	0	21	0	0	0
		5:12	22.6	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	21	0	0	21	0	0	21	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		10:12	39.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0
		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	0	0
		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	28	0	28	26	0	26	0	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
	B	Flat	0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		1:12	4.8	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
	C	Flat	0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
		1:12	4.8	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0	22	0	0	22	0	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0	20	0	0	20	0	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0	20	0	0	20	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	26	0	26	0	0	0	0	0
	D	Flat	0	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0	25	0	0	25	0	0	25	0	0	25	0	0
		1:12	4.8	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0	23	0	0	23	0	0
		2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0	22	0	0	22	0	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0	20	0	0	20	0	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0	20	0	0	20	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	0	27	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		Flat	0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		1:12	4.8	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		3:12	14.0	Non-Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	B	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		Flat	0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		1:12	4.8	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		3:12	14.0	Non-Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	C	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		Flat	0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
		1:12	4.8	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0
		2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		3:12	14.0	Non-Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	26	26	0	26	0	0	0	0	0

Tamarack 1.6 Rail – Gable Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
120	B	Flat	0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		1:12	4.8	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
		2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
		3:12	14.0	Non-Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	Flat	0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
		1:12	4.8	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
		2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0	20	0	0	20	0	0
		3:12	14.0	Non-Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	0
				Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	0	18	0	0	18	0	0	18	0	0	18	0	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	Flat	0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	23	0	23	23	0	23	0	0	23	0	0
		1:12	4.8	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	21	0	21	21	0	21	0	0	21	0	0	21	0
		2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0	20	0	0	20	0	0	20	0
		3:12	14.0	Non-Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	0
				Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	0	18	0	0	18	0	0	18	0	0	18	0	0
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6:12	26.6	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
0	B	2:12	9.5	Non-Exposed	69	69	69	69	69	69	69	69	69	69	69	68	69	68	64	69	64	61	69	60	57	65	57	54	58	52	49	54	48	45	50	44	42	46	41	39	43	38	36	41	35	34
				Exposed	69	67	63	69	62	59	66	58	55	62	55	52	58	52	49	55	49	46	53	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	68	68	68	68	68	68	68	68	68	68	68	68	68	67	64	68	63	60	68	60	57	64	57	54	58	52	49	54	47	45	50	44	41	46	40	38	43	38	36	41	35	33
				Exposed	68	66	63	68	62	59	66	58	55	61	54	52	58	51	49	55	49	46	52	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	67	67	67	67	67	67	67	67	67	67	67	67	67	67	63	67	63	60	67	60	57	64	57	54	58	52	49	53	47	45	50	44	41	46	40	38	43	38	36	41	35	33
				Exposed	67	66	62	67	61	58	65	58	55	61	54	51	57	51	49	55	48	46	52	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	66	66		66	66		66	66		66	66		66	66		66	66		66	66		66	64		66	58		66	53		62	49		57	45		53	42		50	39	
				Exposed	66	66		66	66		66	65		66	61		66	58		66	55		66	52		63	49		57	45		52	41		48	38		44	35		41	33		38	31	
		6:12	26.6	Non-Exposed	65	65		65	65		65	65		65	65		65	65		65	65		65	65		65	63		65	58		65	53		62	49		57	45		53	42		49	39	
				Exposed	65	65		65	65		65	64		65	61		65	57		65	54		65	52		62	49		57	45		52	41		48	38		44	35		41	33		38	31	
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	63	64	64	59	60	64	57	57	64	51	51	63	47	46	58	43	41	54	39	38	50	36	35	47	34	32
				Exposed	64	64	64	64	61	62	64	57	58	64	54	54	64	51	50	64	48	47	61	45	44	59	43	42	54	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		8:12	33.7	Non-Exposed	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	62	63	64	59	60	64	56	56	64	51	51	62	46	46	58	43	41	54	39	38	50	36	35	47	34	32
				Exposed	64	64	64	64	60	62	64	57	57	64	54	54	64	50	50	64	48	47	61	45	44	58	43	42	53	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	63	63	58	59	63	56	56	63	51	50	62	46	45	57	42	41	54	39	38	50	36	35	47	34	32
				Exposed	63	63	63	63	60	61	63	56	57	63	53	53	63	50	50	63	48	47	60	45	44	58	43	41	53	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		10:12	39.8	Non-Exposed	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	61	62	63	58	59	63	55	55	63	50	50	61	46	45	57	42	41	53	39	38	50	36	35	47	34	32
				Exposed	63	63	63	63	59	60	63	56	56	63	53	53	63	50	50	63	47	47	60	45	44	57	43	41	53	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	61	62	57	58	62	55	55	62	50	50	61	46	45	57	42	41	53	39	38	50	36	35	47	34	32
				Exposed	62	62	62	62	59	60	62	56	56	62	53	52	62	50	49	62	47	47	59	45	44	57	42	41	52	39	37	48	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	60	61	62	57	58	62	55	55	62	50	50	60	46	45	56	42	41	53	39	37	49	36	34	46	34	32
				Exposed	62	62	62	62	58	59	62	55	56	62	52	52	62	50	49	62	47	46	59	45	44	57	42	41	52	38	37	48	35	33	45	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	69	69	66	69	65	62	69	61	58	65	57	54	61	54	51	57	51	48	55	48	46	52	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	31	29	34	29	28
				Exposed	60	53	50	56	50	47	53	47	44	50	44	42	48	42	39	45	39	37	43	37	36	41	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	68	68	66	68	65	61	68	60	57	64	57	54	60	54	51	57	51	48	54	48	46	52	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	59	53	50	56	49	47	53	46	44	50	44	42	47	41	39	45	39	37	43	37	35	41	36	34	38	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	67	67	65	67	64	61	67	60	57	64	57	54	60	53	51	57	51	48	54	48	46	52	46	43	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	59	53	50	56	49	47	52	46	44	50	44	42	47	41	39	45	39	37	43	37	35	41	35	34	38	32	31	35	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	66	66		66	66		66	66		66	64		66	60		66	57		66	54		66	51		59	47		54	43		50	39		46	37		43	34		40	32	
				Exposed	66	59		66	55		66	52		63	49		59	46		56	44		53	42		50	40		46	36		42	33		38	31		36	29		33	27		31	25	
		6:12	26.6	Non-Exposed	65	65		65	65		65	65		65	63		65	60		65	57		65	54		65	51		59	47		54	43		50	39		46	37		43	34		40	32	
				Exposed	65	59		65	55		65	52		62	49		59	46		55	44		53	42		50	40		45	36		42	33		38	31		35	29		33	27		31	25	
		7:12	30.3	Non-Exposed	64	64	64	64	64	64	64	60	61	64	56	57	64	53	53	64	50	50	64	47	47	61	45	44	56	41	39	51	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	64	52	52	64	49	48	62	46	45	59	43	42	56	40	39	53	38	37	50	36	34	47	34	32	43	31	29	40	29	27	37	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	64	64	64	64	63	64	64	59	60	64	56	56	64	53	53	64	50	50	63	47	47	61	45	44	56	41	39	51	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	64	52	52	64	49	48	61	45	45	58	43	41	55	40	39	52	38	36	50	36	34	47	34	32	43	31	29	40	28	27	37	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	63	63	63	63	62	63	63	59	60	63	55	56	63	53	52	63	50	49	63	47	46	60	45	44	55	40	39	51	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	63	52	52	63	48	48	61	45	44	58	43	41	55	40	39	52	38	36	50	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	63	63	63	63	62	63	63	58	59	63	55	55	63	52	52	63	50	49	62	47	46	59	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	63	51	51	63	48	48	60	45	44	57	42	41	54	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	62	62	62	62	61	62	62	58	59	62	55	55	62	52	52	62	49	49	62	47	46	59	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	62	51	51	62	48	47	60	45	44	57	42	41	54	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	62	62	62	62	61	62	62	57	58	62	54	55	62	52	51	62	49	49	61	47	46	59	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	62	51	51	62	48	47	59	45	44	57	42	41	54	40	38	51	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	69	62	59	66	58	55	61	54	52	58	51	49	55	48	46	52	46	43	50	43	41	47	41	39	43	38	36	40	35	33	37	32	30	35	30	28	33	28	27	31	26	0
				Exposed	54	48	45	51	45	42	48	42	40	45	39	38	43	37	36	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	68	62	59	65	58	55	61	54	51	57	51	48	54	48	46	52	46	43	49	43	41	47	41	39	43	38	36	40	34	33	37	32	30	35	30	28	32	28	27	31	26	0
				Exposed	54	47	45	51	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	67	61	58	65	57	55	61	54	51	57	51	48	54	48	46	52	45	43	49	43	41	47	41	39	43	37	36	40	34	33	37	32	30	35	29	28	32	28	27	31	26	0
				Exposed	53	47	45	50	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	66	66		66	65		66	61		66	57		66	54		65	51		62	48		59	46		53	42		49	39		45	36		41	33		38	31		36	29	
				Exposed	66	53		63	50		59	47		56	44		53	42		50	40		47	38		45	36		41	33		37	30		35	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	65	65		65	64		65	60		65	57		65	54		64	51		61	48		58	46		53	42		48	38		45	35		41	33		38	31		36	29	
				Exposed	65	53		63	50		59	47		56	44		53	42		50	39		47	37		45	36		41	33		37	30		34	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	64	61	62	64	57	57	64	53	53	64	50	50	64	47	47	61	45	44	58	42	41	55	40	39	50	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	63	47	46	59	43	42	56	41	39	53	38	37	50	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	64	60	62	64	57	57	64	53	53	64	50	50	63	47	46	60	45	44	57	42	41	55	40	39	50	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	62	46	46	59	43	42	56	41	39	53	38	37	50	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	63	60	61	63	56	57	63	53	53	63	50	50	63	47	46	60	44	43	57	42	41	55	40	39	50	36	35	46	33	31	42	30	29	39	28	27	36	26	25	34	25	0
				Exposed	62	46	45	58	43	42	55	41	39	52	38	37	50	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	63	59	60	63	56	56	63	53	53	63	50	49	62	47	46	59	44	43	57	42	41	54	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	61	46	45	58	43	42	55	40	39	52	38	36	49	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	62	59	60	62	55	56	62	52	52	62	49	49	62	47	46	59	44	43	56	42	41	54	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	61	46	45	58	43	42	55	40	39	52	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	62	59	59	62	55	55	62	52	52	62	49	49	61	47	46	58	44	43	56	42	41	54	40	38	49	36	34	45	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	60	46	45	57	43	42	54	40	39	51	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
		2:12	9.5	Non-Exposed	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	61	62	60	57	62	57	54	58	52	49	54	48	45	50	44	42	46	41	39	43	38	36	41	35	34
				Exposed	62	62	62	62	62	59	62	58	55	62	55	52	58	52	49	55	49	46	53	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	57	60	57	54	58	52	49	54	47	45	50	44	41	46	40	38	43	38	36	41	35	33
				Exposed	60	60	60	60	60	59	60	58	55	60	54	52	58	51	49	55	49	46	52	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	60	57	61	57	54	58	52	49	53	47	45	50	44	41	46	40	38	43	38	36	41	35	33
				Exposed	61	61	61	61	61	58	61	58	55	61	54	51	57	51	49	55	48	46	52	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	60	60		60	60		60	60		60	60		60	60		60	60		60	60		60	60		60	58		60	53		60	49		57	45		53	42		50	39	
				Exposed	60	60		60	60		60	60		60	60		60	58		60	55		60	52		60	49		57	45		52	41		48	38		44	35		41	33		38	31	
		6:12	26.6	Non-Exposed	60	60		60	60		60	60		60	60		60	60		60	60		60	60		60	60		60	58		60	53		60	49		57	45		53	42		49	39	
				Exposed	60	60		60	60		60	60		60	60		60	57		60	54		60	52		60	49		57	45		52	41		48	38		44	35		41	33		38	31	
	B	7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	60	57	57	60	51	51	60	47	46	58	43	41	54	39	38	50	36	35	47	34	32
				Exposed	60	60	60	60	60	60	60	57	58	60	54	54	60	51	50	60	48	47	60	45	44	59	43	42	54	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		8:12	33.7	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	59	60	60	56	56	60	51	51	60	46	46	58	43	41	54	39	38	50	36	35	47	34	32
				Exposed	60	60	60	60	60	60	60	57	57	60	54	54	60	50	50	60	48	47	60	45	44	58	43	42	53	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	59	60	56	56	60	51	50	60	46	45	57	42	41	54	39	38	50	36	35	47	34	32
				Exposed	60	60	60	60	60	60	60	56	57	60	53	53	60	50	50	60	48	47	60	45	44	58	43	41	53	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	58	59	60	55	55	60	50	50	60	46	45	57	42	41	53	39	38	50	36	35	47	34	32
				Exposed	60	60	60	60	59	60	60	56	56	60	53	53	60	50	50	60	47	47	60	45	44	57	43	41	53	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	61	57	58	61	55	55	61	50	50	61	46	45	57	42	41	53	39	38	50	36	35	47	34	32
				Exposed	61	61	61	61	59	60	61	56	56	61	53	52	61	50	49	61	47	47	59	45	44	57	42	41	52	39	37	48	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	60	61	61	57	58	61	55	55	61	50	50	60	46	45	56	42	41	53	39	37	49	36	34	46	34	32
				Exposed	61	61	61	61	58	59	61	55	56	61	52	52	61	50	49	61	47	46	59	45	44	57	42	41	52	38	37	48	35	33	45	32	31	41	30	28	39	28	26	36	26	25
		2:12	9.5	Non-Exposed	62	62	62	62	62	62	62	61	58	62	57	54	61	54	51	57	51	48	55	48	46	52	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	31	29	34	29	28
				Exposed	60	53	50	56	50	47	53	47	44	50	44	42	48	42	39	45	39	37	43	37	36	41	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	60	60	60	60	60	60	60	60	57	60	57	54	60	54	51	57	51	48	54	48	46	52	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	59	53	50	56	49	47	53	46	44	50	44	42	47	41	39	45	39	37	43	37	35	41	36	34	38	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	61	61	61	61	61	61	61	60	57	61	57	54	60	53	51	57	51	48	54	48	46	52	46	43	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	59	53	50	56	49	47	52	46	44	50	44	42	47	41	39	45	39	37	43	37	35	41	35	34	38	32	31	35	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	60	60		60	60		60	60		60	60		60	60		60	57		60	54		60	51		59	47		54	43		50	39		46	37		43	34		40	32	
				Exposed	60	59		60	55		60	52		60	49		59	46		56	44		53	42		50	40		46	36		42	33		38	31		36	29		33	27		31	25	
		6:12	26.6	Non-Exposed	60	60		60	60		60	60		60	60		60	60		60	57		60	54		60	51		59	47		54	43		50	39		46	37		43	34		40	32	
				Exposed	60	59		60	55		60	52		60	49		59	46		55	44		53	42		50	40		45	36		42	33		38	31		35	29		33	27		31	25	
5	C	7:12	30.3	Non-Exposed	60	60	60	60	60	60	60	60	60	60	56	57	60	53	53	60	50	50	60	47	47	60	45	44	56	41	39	51	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	60	52	52	60	49	48	60	46	45	59	43	42	56	40	39	53	38	37	50	36	34	47	34	32	43	31	29	40	29	27	37	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	60	60	60	60	60	60	60	59	60	60	56	56	60	53	53	60	50	50	60	47	47	60	45	44	56	41	39	51	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	60	52	52	60	49	48	60	45	45	58	43	41	55	40	39	52	38	36	50	36	34	47	34	32	43	31	29	40	28	27	37	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	60	60	60	60	60	60	60	59	60	60	55	56	60	53	52	60	50	49	60	47	46	60	45	44	55	40	39	51	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	60	52	52	60	48	48	60	45	44	58	43	41	55	40	39	52	38	36	50	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	60	60	60	60	60	60	60	58	59	60	55	55	60	52	52	60	50	49	60	47	46	60	45	44	55	40	39	51	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	60	51	51	60	48	48	60	45	44	57	42	41	54	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	61	61	61	61	61	61	61	58	59	61	55	55	61	52	52	61	49	49	61	47	46	59	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	61	51	51	61	48	47	60	45	44	57	42	41	54	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	61	61	61	61	61	61	61	57	58	61	54	55	61	52	51	61	49	49	61	47	46	59	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	61	51	51	61	48	47	59	45	44	57	42	41	54	40	38	51	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		2:12	9.5	Non-Exposed	62	62	59	62	58	55	61	54	52	58	51	49	55	48	46	52	46	43	50	43	41	47	41	39	43	38	36	40	35	33	37	32	30	35	30	28	33	28	27	31	26	0
				Exposed	54	48	45	51	45	42	48	42	40	45	39	38	43	37	36	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	60	60	59	60	58	55	60	54	51	57	51	48	54	48	46	52	46	43	49	43	41	47	41	39	43	38	36	40	34	33	37	32	30	35	30	28	32	28	27	31	26	0
				Exposed	54	47	45	51	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	61	61	58	61	57	55	61	54	51	57	51	48	54	48	46	52	45	43	49	43	41	47	41	39	43	37	36	40	34	33	37	32	30	35	29	28	32	28	27	31	26	0
				Exposed	53	47	45	50	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	60	60		60	60		60	60		60	57		60	54		60	51		60	48		59	46		53	42		49	39		45	36		41	33		38	31		36	29	
				Exposed	60	53		60	50		59	47		56	44		53	42		50	40		47	38		45	36		41	33		37	30		35	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	60	60		60	60		60	60		60	57		60	54		60	51		60	48		58	46		53	42		48	38		45	35		41	33		38	31		36	29	
				Exposed	60	53		60	50		59	47		56	44		53	42		50	39		47	37		45	36		41	33		37	30		34	28		32	26		30	0		28	0	
	D	7:12	30.3	Non-Exposed	60	60	60	60	57	58	60	54	54	60	50	50	60	47	47	60	45	44	58	42	41	55	40	39	50	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	60	47	46	59	43	42	56	41	39	53	38	37	50	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	60	60	60	60	57	57	60	53	53	60	50	50	60	47	46	60	45	44	57	42	41	55	40	39	50	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	60	46	46	59	43	42	56	41	39	53	38	37	50	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	60	60	60	60	56	57	60	53	53	60	50	50	60	47	46	60	44	43	57	42	41	55	40	39	50	36	35	46	33	31	42	30	29	39	28	27	36	26	25	34	25	0
				Exposed	60	46	45	58	43	42	55	41	39	52	38	37	50	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	60	59	60	60	56	56	60	53	53	60	50	49	60	47	46	59	44	43	57	42	41	54	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	60	46	45	58	43	42	55	40	39	52	38	36	49	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	61	59	60	61	55	56	61	52	52	61	49	49	61	47	46	59	44	43	56	42	41	54	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	61	46	45	58	43	42	55	40	39	52	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	61	59	59	61	55	55	61	52	52	61	49	49	61	47	46	58	44	43	56	42	41	54	40	38	49	36	34	45	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	60	46	45	57	43	42	54	40	39	51	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
10	B	2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	52	49	54	48	45	50	44	42	46	41	39	43	38	36	41	35	34
				Exposed	54	54	54	54	54	54	54	54	54	54	54	52	54	52	49	54	49	46	53	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	52	47	45	50	44	41	46	40	38	43	38	36	41	35	33
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	51	49	52	49	46	52	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	52	49	53	47	45	50	44	41	46	40	38	43	38	36	41	35	33
				Exposed	53	53	53	53	53	53	53	53	53	53	53	51	53	51	49	53	48	46	52	46	44	50	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	49		53	45		52	42		50	39	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	52		53	49		53	45		52	41		48	38		44	35		41	33		38	31	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	49		53	45		52	42		49	39	
				Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	52		53	49		53	45		52	41		48	38		44	35		41	33		38	31	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	51	53	47	46	53	43	41	53	39	38	50	36	35	47	34	32
				Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	51	50	53	48	47	53	45	44	53	43	42	53	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	51	54	46	46	54	43	41	54	39	38	50	36	35	47	34	32
				Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	50	50	54	48	47	54	45	44	54	43	42	53	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	50	54	46	45	54	42	41	54	39	38	50	36	35	47	34	32
				Exposed	54	54	54	54	54	54	54	54	54	54	53	53	54	50	50	54	48	47	54	45	44	54	43	41	53	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	50	50	55	46	45	55	42	41	53	39	38	50	36	35	47	34	32
				Exposed	55	55	55	55	55	55	55	55	55	55	53	53	55	50	50	55	47	47	55	45	44	55	43	41	53	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	55	55	56	50	50	56	46	45	56	42	41	53	39	38	50	36	35	47	34	32
				Exposed	56	56	56	56	56	56	56	56	56	56	53	52	56	50	49	56	47	47	56	45	44	56	42	41	52	39	37	48	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57	55	55	57	50	50	57	46	45	56	42	41	53	39	37	49	36	34	46	34	32
				Exposed	57	57	57	57	57	57	57	55	56	57	52	52	57	50	49	57	47	46	57	45	44	57	42	41	52	38	37	48	35	33	45	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	54	51	54	51	48	54	48	46	52	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	31	29	34	29	28
				Exposed	54	53	50	54	50	47	53	47	44	50	44	42	48	42	39	45	39	37	43	37	36	41	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	51	52	51	48	52	48	46	52	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	52	52	50	52	49	47	52	46	44	50	44	42	47	41	39	45	39	37	43	37	35	41	36	34	38	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	51	53	51	48	53	48	46	52	46	43	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	53	53	50	53	49	47	52	46	44	50	44	42	47	41	39	45	39	37	43	37	35	41	35	34	38	32	31	35	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	47		52	43		50	39		46	37		43	34		40	32	
				Exposed	53	53		53	53		53	52		53	49		53	46		53	44		53	42		50	40		46	36		42	33		38	31		36	29		33	27		31	25	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	53		53	53		53	51		53	47		52	43		50	39		46	37		43	34		40	32	
				Exposed	53	53		53	53		53	52		53	49		53	46		53	44		53	42		50	40		45	36		42	33		38	31		35	29		33	27		31	25	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	50	53	47	47	53	45	44	53	41	39	51	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	53	52	52	53	49	48	53	46	45	53	43	42	53	40	39	53	38	37	50	36	34	47	34	32	43	31	29	40	29	27	37	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	53	53	54	50	50	54	47	47	54	45	44	54	41	39	51	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	54	52	52	54	49	48	54	45	45	54	43	41	54	40	39	52	38	36	50	36	34	47	34	32	43	31	29	40	28	27	37	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	54	54	54	54	54	54	54	54	54	54	54	54	54	53	52	54	50	49	54	47	46	54	45	44	54	40	39	51	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	54	52	52	54	48	48	54	45	44	54	43	41	54	40	39	52	38	36	50	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	55	55	55	55	55	55	52	52	55	50	49	55	47	46	55	45	44	55	40	39	51	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	55	51	51	55	48	48	55	45	44	55	42	41	54	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	56	56	56	56	56	56	56	56	56	56	55	55	56	52	52	56	49	49	56	47	46	56	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	56	51	51	56	48	47	56	45	44	56	42	41	54	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	57	57	57	57	57	55	57	52	52	57	49	49	57	47	46	57	44	43	57	47	46	57	44	43	54	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	57	51	51	57	48	47	57	45	44	57	42	41	54	40	38	51	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	54	54	54	54	54	54	54	52	54	51	49	54	48	46	52	46	43	50	43	41	47	41	39	43	38	36	40	35	33	37	32	30	35	30	28	33	28	27	31	26	0
				Exposed	54	48	45	51	45	42	48	42	40	45	39	38	43	37	36	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	52	52	52	52	52	52	52	51	52	51	48	52	48	46	52	46	43	49	43	41	47	41	39	43	38	36	40	34	33	37	32	30	35	30	28	32	28	27	31	26	0
				Exposed	52	47	45	51	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	53	53	53	53	53	53	53	53	51	53	51	48	53	48	46	52	45	43	49	43	41	47	41	39	43	37	36	40	34	33	37	32	30	35	29	28	32	28	27	31	26	0
				Exposed	53	47	45	50	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	51		53	48		53	46		52	42		49	39		45	36		41	33		38	31		36	29	
				Exposed	53	53		53	50		53	47		53	44		53	42		50	40		47	38		45	36		41	33		37	30		35	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	53	53		53	53		53	53		53	53		53	53		53	51		53	48		53	46		52	42		48	38		45	35		41	33		38	31		36	29	
				Exposed	53	53		53	50		53	47		53	44		53	42		50	39		47	37		45	36		41	33		37	30		34	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	53	53	53	53	53	53	53	53	53	50	50	53	47	47	53	45	44	53	42	41	53	40	39	50	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	53	47	46	53	43	42	53	41	39	53	38	37	50	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	54	54	54	54	54	54	54	53	53	54	50	50	54	47	46	54	45	44	54	42	41	54	40	39	50	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	54	46	46	54	43	42	54	41	39	53	38	37	50	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	54	54	54	54	54	54	54	53	53	54	50	50	54	47	46	54	44	43	54	42	41	54	40	39	50	36	35	46	33	31	42	30	29	39	28	27	36	26	25	34	25	0
				Exposed	54	46	45	54	43	42	54	41	39	52	38	37	50	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	55	55	55	55	55	55	55	53	53	55	50	49	55	47	46	55	44	43	55	42	41	54	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	55	46	45	55	43	42	55	40	39	52	38	36	49	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	56	56	56	56	55	56	56	52	52	56	49	49	56	47	46	56	44	43	56	42	41	54	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	56	46	45	56	43	42	55	40	39	52	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	57	57	57	57	55	55	57	52	52	57	49	49	57	47	46	57	44	43	56	42	41	54	40	38	49	36	34	45	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	57	46	45	57	43	42	54	40	39	51	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – <u>Hip</u> Flush-Mount on 30 Foot Maximum Mean Roof Height – <u>Portrait</u> – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
15	B	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	45	48	44	42	46	41	39	43	38	36	41	35	34
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	44	48	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	44	41	46	40	38	43	38	36	41	35	33
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	45	48	44	41	46	40	38	43	38	36	41	35	33
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	44	48	44	42	46	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	45		47	42		46	39	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	45		48	41		48	38		44	35		41	33		38	31	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	45		47	42		46	39	
				Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	45		48	41		48	38		44	35		41	33		38	31	
		7:12	30.3	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	46	48	43	41	48	39	38	48	36	35	47	34	32
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	45	44	48	43	42	48	39	37	48	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	46	49	43	41	49	39	38	48	36	35	47	34	32
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	48	47	49	45	44	49	43	42	49	39	37	49	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	45	50	42	41	50	39	38	49	36	35	47	34	32
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	48	47	50	45	44	50	43	41	50	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		10:12	39.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	51	46	45	51	42	41	51	39	38	50	36	35	47	34	32
				Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	50	50	51	47	47	51	45	44	51	43	41	51	39	37	49	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	50	50	52	46	45	52	42	41	52	39	38	50	36	35	47	34	32
				Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	50	49	52	47	47	52	45	44	52	42	41	52	39	37	48	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	53	50	50	53	46	45	53	42	41	53	39	37	49	36	34	46	34	32
				Exposed	53	53	53	53	53	53	53	53	53	53	52	52	53	50	49	53	47	46	53	45	44	53	42	41	52	38	37	48	35	33	45	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	44	48	42	40	44	38	36	41	35	34	38	33	31	36	31	29	34	29	28
				Exposed	48	48	48	48	48	47	48	47	44	48	44	42	48	42	39	45	39	37	43	37	36	41	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	46	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	46	46	46	46	46	46	46	46	44	46	44	42	46	41	39	45	39	37	43	37	35	41	36	34	38	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	42	40	44	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	48	48	48	48	48	47	48	46	44	48	44	42	47	41	39	45	39	37	43	37	35	41	35	34	38	32	31	35	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47		47	43		46	39		45	37		43	34		40	32	
				Exposed	48	48		48	48		48	48		48	48		48	46		48	44		48	42		48	40		46	36		42	33		38	31		36	29		33	27		31	25	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	47		47	43		46	39		45	37		43	34		40	32	
				Exposed	48	48		48	48		48	48		48	48		48	46		48	44		48	42		48	40		45	36		42	33		38	31		35	29		33	27		31	25	
		7:12	30.3	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	48	45	44	48	41	39	48	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	48	48	48	48	48	48	48	46	45	48	43	42	48	40	39	48	38	37	48	36	34	47	34	32	43	31	29	40	29	27	37	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	47	49	45	44	49	41	39	49	37	35	47	34	32	44	31	30	41	29	27	38	27	26
				Exposed	49	49	49	49	49	48	49	45	45	49	43	41	49	40	39	49	38	36	49	36	34	47	34	32	43	31	29	40	28	27	37	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	47	46	50	45	44	50	40	39	49	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	50	50	50	50	48	48	50	45	44	50	43	41	50	40	39	50	38	36	50	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	50	49	51	47	46	51	45	44	51	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	51	51	51	51	48	48	51	45	44	51	42	41	51	40	39	51	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	49	49	52	47	46	52	44	43	52	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	52	51	51	52	48	47	52	45	44	52	42	41	52	40	39	52	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	53	53	53	53	53	53	52	51	53	49	49	53	47	46	53	44	43	53	40	39	50	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	53	51	51	53	48	47	53	45	44	53	42	41	53	40	38	51	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	46	43	48	43	41	47	41	39	43	38	36	40	35	33	37	32	30	35	30	28	33	28	27	31	26	0
				Exposed	48	48	45	48	45	42	48	42	40	45	39	38	43	37	36	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	46	43	41	46	41	39	43	38	36	40	34	33	37	32	30	35	30	28	32	28	27	31	26	0
				Exposed	46	46	45	46	44	42	46	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	48	45	43	48	43	41	47	41	39	43	37	36	40	34	33	37	32	30	35	29	28	32	28	27	31	26	0
				Exposed	48	47	45	48	44	42	48	42	40	45	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	46		47	42		46	39		45	36		41	33		38	31		36	29	
				Exposed	48	48		48	48		48	47		48	44		48	42		48	40		47	38		45	36		41	33		37	30		35	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	48	48		48	48		48	48		48	48		48	48		48	48		48	48		48	46		47	42		46	38		45	35		41	33		38	31		36	29	
				Exposed	48	48		48	48		48	47		48	44		48	42		48	39		47	37		45	36		41	33		37	30		34	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	48	45	44	48	42	41	48	40	39	48	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	48	47	46	48	43	42	48	41	39	48	38	37	48	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	47	46	49	45	44	49	42	41	49	40	39	48	36	35	46	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	49	46	46	49	43	42	49	41	39	49	38	37	49	36	34	47	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	47	46	50	44	43	50	42	41	50	40	39	49	36	35	46	33	31	42	30	29	39	28	27	36	26	25	34	25	0
				Exposed	50	46	45	50	43	42	50	41	39	50	38	37	50	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	51	51	51	51	51	51	51	51	51	51	50	49	51	47	46	51	44	43	51	42	41	51	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	51	46	45	51	43	42	51	40	39	51	38	36	49	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	52	52	52	52	52	52	52	52	52	52	49	49	52	47	46	52	44	43	52	42	41	52	40	38	50	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	52	46	45	52	43	42	52	40	39	52	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	53	53	53	53	53	53	53	52	52	53	49	49	53	47	46	53	44	43	53	42	41	53	40	38	49	36	34	45	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	53	46	45	53	43	42	53	40	39	51	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
20	B	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	38	36	41	35	34
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	38	36	40	35	33
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	38	43	38	36	41	35	33
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	43	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		42	39	
				Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	41		43	38		43	35		41	33		38	31	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		43	42		42	39	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	41		44	38		44	35		41	33		38	31	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	43	41	44	39	38	44	36	35	43	34	32
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	42	45	39	37	45	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	43	41	45	39	38	45	36	35	44	34	32
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	44	46	43	42	46	39	37	46	35	34	45	33	31	42	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	45	47	42	41	46	39	38	46	36	35	45	34	32
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	45	44	47	43	41	47	39	37	47	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	46	45	48	42	41	47	39	38	47	36	35	46	34	32
				Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	47	48	45	44	48	43	41	48	39	37	48	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	46	45	49	42	41	49	39	38	48	36	35	47	34	32
				Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	47	49	45	44	49	42	41	49	39	37	48	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	46	45	50	42	41	50	39	37	49	36	34	46	34	32
				Exposed	50	50	50	50	50	50	50	50	50	50	50	50	50	50	49	50	47	46	50	45	44	50	42	41	50	38	37	48	35	33	45	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	38	36	41	35	34	38	33	31	36	31	29	34	29	28
				Exposed	43	43	43	43	43	43	43	43	43	43	43	42	43	42	39	43	39	37	43	37	36	41	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	41	38	36	40	35	34	38	33	31	36	30	29	34	29	27
				Exposed	41	41	41	41	41	41	41	41	41	41	41	39	41	39	37	41	37	35	41	36	34	38	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0	0	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	40	43	38	36	41	35	34	38	33	31	36	30	29	34	29	27
				Exposed	43	43	43	43	43	43	43	43	43	43	43	42	43	41	39	43	39	37	43	37	35	41	35	34	38	32	31	35	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		43	39		42	39		41	37		41	34		40	32	
				Exposed	43	43		43	43		43	43		43	43		43	42		43	42		43	40		43	40		43	36		42	33		38	31		36	29		33	27		31	25	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		43	43		43	39		42	37		41	34		40	32	
				Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	42		44	40		44	36		42	33		38	31		35	29		33	27		31	25	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	41	39	44	37	35	43	34	32	42	31	30	41	29	27	38	27	26
				Exposed	45	45	45	45	45	45	45	45	45	45	43	42	45	40	39	45	38	37	45	36	34	45	34	32	43	31	29	40	29	27	37	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	44	46	41	39	45	37	35	44	34	32	43	31	30	41	29	27	38	27	26
				Exposed	46	46	46	46	46	46	46	45	45	46	43	41	46	40	39	46	38	36	46	36	34	46	34	32	43	31	29	40	28	27	37	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	45	44	47	40	39	46	37	35	45	34	32	43	31	29	40	29	27	38	27	26
				Exposed	47	47	47	47	47	47	47	45	44	47	43	41	47	40	39	47	38	36	47	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	48	47	48	45	44	48	40	39	47	37	35	46	34	32	43	31	29	40	29	27	38	27	26
				Exposed	48	48	48	48	48	48	48	45	44	48	42	41	48	40	39	48	38	36	48	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	47	46	49	44	43	49	40	39	48	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	49	49	49	49	48	47	49	45	44	49	42	41	49	40	39	49	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	49	49	50	47	46	50	44	43	50	47	46	50	44	43	50	40	39	49	37	35	47	34	32	43	31	29	40	29	27	38	27	26
				Exposed	50	50	50	50	48	47	50	45	44	50	42	41	50	40	38	50	38	36	49	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39	43	38	36	40	35	33	37	32	30	35	30	28	33	28	27	31	26	0
				Exposed	43	43	43	43	43	42	43	42	40	43	39	38	43	37	36	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	38	36	40	34	33	37	32	30	35	30	28	32	28	27	31	26	0
				Exposed	41	41	41	41	41	41	41	41	40	41	39	37	41	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	41	43	41	39	43	37	36	40	34	33	37	32	30	35	29	28	32	28	27	31	26	0
				Exposed	43	43	43	43	43	42	43	42	40	43	39	37	43	37	35	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	43		43	42		42	39		41	36		40	33		38	31		36	29	
				Exposed	43	43		43	43		43	43		43	43		43	42		43	40		43	38		43	36		41	33		37	30		35	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	44	44		44	44		44	44		44	44		44	44		44	44		44	44		44	44		43	42		42	38		41	35		41	33		38	31		36	29	
				Exposed	44	44		44	44		44	44		44	44		44	42		44	39		44	37		44	36		41	33		37	30		34	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	42	41	45	40	39	44	36	35	43	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	45	45	45	45	43	42	45	41	39	45	38	37	45	36	34	45	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	44	46	42	41	46	40	39	45	36	35	44	33	31	42	30	29	39	28	27	37	26	25	34	25	23
				Exposed	46	46	46	46	43	42	46	41	39	46	38	37	46	36	34	46	34	32	45	32	30	43	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	44	43	47	42	41	47	40	39	46	36	35	45	33	31	42	30	29	39	28	27	36	26	25	34	25	0
				Exposed	47	46	45	47	43	42	47	41	39	47	38	37	47	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	48	48	48	48	48	48	48	48	48	48	48	48	48	47	46	48	44	43	48	42	41	48	40	38	47	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	48	46	45	48	43	42	48	40	39	48	38	36	48	36	34	47	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	49	49	49	49	49	49	49	49	49	49	49	49	49	47	46	49	44	43	49	42	41	49	40	38	48	36	34	46	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	49	46	45	49	43	42	49	40	39	49	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	50	50	50	50	50	50	50	50	50	50	49	49	50	47	46	50	44	43	50	42	41	50	40	38	49	36	34	45	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	50	46	45	50	43	42	50	40	39	50	38	36	49	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
25	B	2:12	9.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	38	36	41	35	34
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	38	42	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	38	36	40	35	33			
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	40	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	38	36	39	35	33			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39				
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	38		39	35		39	33		38	31				
		6:12	26.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	39				
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	38		40	35		40	33		38	31				
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	38	41	36	35	40	34	32
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	37	41	35	34	41	33	31	41	30	28	39	28	26	36	26	25
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	39	38	42	36	35	41	34	32
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	37	42	35	34	42	33	31	42	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	41	43	39	38	43	36	35	42	34	32
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	41	44	39	37	44	35	34	44	32	31	42	30	28	39	28	26	36	26	25			
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	41	45	39	38	44	36	35	43	34	32
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	43	41	45	39	37	45	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	46	42	41	46	39	38	45	36	35	44	34	32
				Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	45	44	46	42	41	46	39	37	46	35	34	45	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	45	47	42	41	47	39	37	46	36	34	46	34	32
				Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	45	44	47	42	41	47	38	37	47	35	33	45	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	42	38	36	41	35	34	38	33	31	36	31	29	34	29	28
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	42	39	37	42	37	36	41	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	38	36	40	35	34	38	33	31	36	30	29	34	29	27
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	39	37	40	37	35	40	36	34	38	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	34	38	33	31	36	30	29	34	29	27
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	37	35	39	35	34	38	32	31	35	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		38	34		39	37		38	32				
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	36		39	33		38	31		36	29		33	27				
		6:12	26.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	39		39	37		38	34				
				Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	36		40	33		38	31		35	29		33	27				
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	41	37	35	40	34	32	40	31	30	39	29	27	38	27	26
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	40	39	41	38	37	41	36	34	41	34	32	41	31	29	40	29	27	37	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	39	42	37	35	41	34	32	40	31	30	40	29	27	38	27	26
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	40	39	42	38	36	42	36	34	42	34	32	42	31	29	40	28	27	37	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	40	39	43	37	35	42	34	32	41	31	29	40	29	27	38	27	26
				Exposed	44	44	44	44	44	44	44	44	44	44	43	41	44	40	39	44	38	36	44	36	34	44	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	40	39	44	37	35	43	34	32	42	31	29	40	29	27	38	27	26
				Exposed	45	45	45	45	45	45	45	45	44	45	42	41	45	40	39	45	38	36	45	36	34	45	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	40	39	45	37	35	44	34	32	43	31	29	40	29	27	38	27	26
				Exposed	46	46	46	46	46	46	46	45	44	46	42	41	46	40	39	46	38	36	46	36	34	46	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	46	47	44	43	47	40	39	47	37	35	46	34	32	43	31	29	40	29	27	38	27	26
				Exposed	47	47	47	47	47	47	47	45	44	47	42	41	47	40	38	47	38	36	47	36	34	47	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	41	39	42	38	36	40	35	33	37	32	30	35	30	28	33	28	27	31	26	0
				Exposed	42	42	42	42	42	42	42	42	40	42	39	38	42	37	36	41	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	34	33	37	32	30	35	30	28	32	28	27	31	26	0
				Exposed	40	40	40	40	40	40	40	40	40	40	39	37	40	37	35	40	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	36	39	34	33	37	32	30	35	29	28	32	28	27	31	26	0
				Exposed	39	39	39	39	39	39	39	39	39	39	37	39	37	35	39	35	34	39	34	32	37	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		39	39		38	36		38	33		37	31		36	29				
				Exposed	39	39		39	39		39	39		39	39		39	39		39	39		39	38		39	36		39	33		37	30		35	28		32	26		30	0		28	0		
		6:12	26.6	Non-Exposed	40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		40	40		39	38		39	35		38	33		37	31		36	29		
				Exposed	40	40		40	40		40	40		40	40		40	40		40	39		40	37		40	36		40	33		37	30		34	28		32	26		30	0		28	0		
		7:12	30.3	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	39	41	36	35	40	33	31	39	30	29	39	28	27	37	26	25	34	25	23
				Exposed	41	41	41	41	41	41	41	41	39	41	38	37	41	36	34	41	34	32	41	32	30	41	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	39	42	36	35	41	33	31	40	30	29	39	28	27	37	26	25	34	25	23
				Exposed	42	42	42	42	42	42	42	41	39	42	38	37	42	36	34	42	34	32	42	32	30	42	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	41	44	40	39	43	36	35	42	33	31	41	30	29	39	28	27	36	26	25	34	25	0
				Exposed	44	44	44	44	44	43	42	44	41	39	44	38	37	44	36	34	44	34	32	44	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	43	45	42	41	45	40	38	44	36	34	43	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	45	45	45	45	45	43	42	45	40	39	45	38	36	45	36	34	45	34	32	45	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	44	43	46	42	41	46	40	38	45	36	34	44	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	46	46	45	46	43	42	46	40	39	46	38	36	46	36	34	46	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	44	43	47	42	41	47	40	38	46	36	34	45	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	47	46	45	47	43	42	47	40	39	47	38	36	47	36	34	47	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
30	B	2:12	9.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	34			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	37	35	39	34	32	37	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	33			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	32	37	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	33			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	32	36	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36				
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	35		36	33		36	31				
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37				
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	35		37	33		37	31	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	35	38	34	32
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	35	34	38	33	31	38	30	28	38	28	26	36	26	25
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	35	39	34	32		
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	35	34	39	33	31	39	30	28	39	28	26	36	26	25
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	38	40	36	35	40	34	32
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	37	40	35	34	40	32	31	40	30	28	39	28	26	36	26	25
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	39	38	42	36	35	41	34	32
				Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	39	37	42	35	34	42	32	31	42	30	28	39	28	26	36	26	25
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	42	41	43	39	38	43	36	35	42	34	32
				Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	41	44	39	37	44	35	34	44	32	31	42	30	28	39	28	26	36	26	25
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	42	41	45	39	37	44	36	34	43	34	32		
				Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	45	42	41	45	38	37	45	35	33	45	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	34	38	33	31	36	31	29	34	29	28
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	37	36	39	36	34	38	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0			
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	35	34	37	33	31	36	30	29	34	29	27	
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	36	34	37	32	31	35	30	28	32	28	27	30	26	0	29	0	0	27	0	0			
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	33	31	36	30	29	34	29	27			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	36	34	36	35	34	36	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0			
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	34		36	32										
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	33		36	30		36	28		36	26				
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	35		37	33		36	32		36	31				
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	36		37	33		37	31		35	29		33	27		31	25				
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	34	32	37	31	30	37	29	27	36	27	26
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	38	36	34	38	34	32	38	31	29	38	29	27	37	26	25	34	25	0	32	0	0	30	0	0			
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	35	39	34	32	38	31	30	38	29	27	37	27	26
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	34	39	34	32	39	31	29	39	28	27	37	26	25	34	25	0	32	0	0	30	0	0			
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	37	40	35	34	40	32	31	39	31	29	38	27	26
				Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	38	36	40	36	34	40	34	32	40	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	40	39	42	37	35	41	34	32	40	31	29	40	29	27	38	27	26
				Exposed	42	42	42	42	42	42	42	42	42	42	42	41	42	40	39	42	38	36	42	36	34	42	34	32	42	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	40	39	43	37	35	42	34	32	41	31	29	40	29	27	38	27	26
				Exposed	44	44	44	44	44	44	44	44	44	44	42	41	44	40	39	44	38	36	44	36	34	44	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	43	45	40	39	44	37	35	43	34	32	43	31	29	40	29	27	38	27	26						
				Exposed	45	45	45	45	45	45	45	45	44	45	42	41	45	40	38	45	38	36	45	36	34	45	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	35	33	37	32	30	35	30	28	33	28	27	31	26	0			
				Exposed	39	39	39	39	39	39	39	39	39	39	38	39	37	36	39	35	34	39	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0			
		3:12	14.0	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	34	33	36	32	30	35	30	28	32	28	27	31	26	0			
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	35	34	37	34	32	37	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0			
		4:12	18.4	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	33	36	32	30	35	29	28	32	28	27	31	26	0		
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	35	34	36	34	32	36	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	36		35	33		35	31		34	29						
				Exposed	36	36		36	36		36	36		36	36		36	36		36	36		36	36		36	33		36	30		35	28		32	26		30	0		28	0				
		6:12	26.6	Non-Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	37		36	35		36	33		35	31		34	29				
				Exposed	37	37		37	37		37	37		37	37		37	37		37	37		37	37		37	36		37	33		37	30		34	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	33	38	33	31	37	30	29	36	28	27	36	26	25	34	25	23
				Exposed	38	38	38	38	38	38	38	38	38	38	38	37	38	36	34	38	34	32	38	32	30	38	31	29	38	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	36	35	39	33	31	38	30	29	37	28	27	37	26	25	34	25	23
				Exposed	39	39	39	39	39	39	39	39	38	37	39	36	34	39	34	32	39	32	30	39	31	29	39	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0		
		9:12	36.9	Non-Exposed	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	39	40	36	35	40	33	31	39	30	29	38	28	27	36	26	25	34	25	0
				Exposed	40	40	40	40	40	40	40	39	40	38	37	40	36	34	40	34	32	40	32	30	40	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0	
		10:12	39.8	Non-Exposed	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	41	42	40	38	42	36	34	41	33	31	40	30	29	39	28	26	36	26	25	34	25	0
				Exposed	42	42	42	42	42	42	42	40	39	42	38	36	42	36	34	42	34	32	42	32	30	42	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	43	44	42	41	44	40	38	43	36	34	42	33	31	41	30	29	39	28	26	36	26	25	34	25	0
				Exposed	44	44	44	44	44	43	42	44	40	39	44	38	36	44	36	34	44	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	44	43	45	42	41	45	40	38	44	36	34	43	33	31	42	30	29	39	28	26	36	26	25	34	25	0
				Exposed	45	45	45	45	45	43	42	45	40	39	45	38	36	45	36	34	45	34	32	44	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
35	B	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	32	36	31	30	34	29	28	32	28	27
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	30	34	29	28	32	28	27
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	30	34	29	28	32	28	27
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	31				
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	31				
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	32			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	30	28	35	28	26	35	26	25
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	32		
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	33	31	36	30	28	36	28	26	36	26	25
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	35	38	34	32
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	35	34	38	32	31	38	30	28	38	28	26	36	26	25
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	35	39	34	32			
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	39	35	34	39	32	31	39	30	28	39	28	26	36	26	25			
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	38	41	36	35	40	34	32		
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	37	41	35	34	41	32	31	41	30	28	39	28	26	36	26	25		
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	41	43	39	37	42	36	34	42	34	32
				Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	41	43	38	37	43	35	33	43	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	33	31	36	31	29	34	29	28
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	32	31	35	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	34	29	27
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	33	29	27
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		33	32	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	31		34	29				
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	32	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	31		34	29		33	27		31	25	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	32	35	31	30	35	29	27	34	27	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	31	29	35	29	27	35	26	25	34	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	32	36	31	30	36	29	27	35	27	26
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	31	29	36	28	27	36	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	37	35	38	34	32	37	31	29	37	29	27	36	27	26
				Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	38	36	34	38	34	32	38	31	29	38	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	35	39	34	32	38	31	29	38	29	27	37	27	26
				Exposed	39	39	39	39	39	39	39	39	39	39	38	36	39	36	34	39	34	32	39	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0						
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	39	41	37	35	40	34	32	40	31	29	39	29	27	38	27	26				
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	37	41	35	34	41	32	31	41	30	28	39	28	26	36	26	25				
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	40	39	42	37	35	42	34	32	41	31	29	40	29	27	38	27	26
				Exposed	43	43	43	43	43	43	43	43	43	43	42	41	43	40	38	43	38	36	43	36	34	43	34	32	43	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36			
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	34	32	36	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0
		3:12	14.0	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	30	33	29	28	32	28	27	31	26	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		33	31		32	29	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	30		34	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		33	31		33	29	
				Exposed	34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	34		34	33		34	30		34	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	31	35	30	29	35	28	27	34	26	25	33	25	23
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	32	30	35	31	29	35	28	26	35	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	33	31	36	30	29	35	28	27	35	26	25	34	25	23
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	32	30	36	31	29	36	28	26	36	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	36	35	38	33	31	37	30	29	36	28	27	36	26	25	34	25	0
				Exposed	38	38	38	38	38	38	38	38	38	38	38	37	38	36	34	38	34	32	38	32	30	38	31	29	38	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	34	39	33	31	38	30	29	37	28	26	36	26	25	34	25	0
				Exposed	39	39	39	39	39	39	39	39	38	39	36	34	39	34	32	39	32	30	39	31	29	39	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0			
		11:12	42.5	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	41	36	34	40	33	31	39	30	29	39	28	26	36	26	25	34	25	0	
				Exposed	41	41	41	41	41	41	41	40	39	41	38	36	41	36	34	41	34	32	41	32	30	41	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	42	41	43	40	38	42	36	34	41	33	31	41	30	29	39	28	26	36	26	25	34	25	0
				Exposed	43	43	43	43	43	42	43	40	39	43	38	36	43	36	34	43	34	32	43	32	30	42	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
40	B	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	30	34	29	28	32	28	27	32	28	27
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	30	32	29	28	32	28	27	32	28	27
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	30	32	29	28	32	28	27	32	28	27
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31				
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31				
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	30	28	33	28	26	33	26	25	33	26	25
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	30	28	34	28	26	34	26	25	34	26	25
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	32	36	34	32	36	34	32
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	34	36	32	31	30	28	36	28	26	36	26	25	36	26	25
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	35	37	34	32	37	34	32	37	34	32
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	34	37	32	31	30	28	37	28	26	36	26	25	36	26	25
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	35	39	34	32	39	34	32	38	34	32
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	35	39	32	31	30	28	39	28	26	36	26	25	36	26	25
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	37	40	36	34	40	34	32	39	34	32
				Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	38	37	41	35	33	41	32	31	41	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	31	29	34	29	28	34	29	28
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	31	34	30	28	33	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	29	27	32	29	27
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	29	27	32	29	27
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	28	32	28	27	30	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		32	29		32	27		31	25				
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32	
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		32	29		32	27		31	25				
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	31	30	33	29	27	33	27	26
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	29	33	29	27	33	26	25	33	25	0	32	0	0	30	0	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	30	34	29	27	34	27	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	31	29	34	28	27	34	26	25	34	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	34	32	36	31	29	35	29	27	35	27	26
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	31	29	36	28	27	36	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	32	37	31	29	36	29	27	36	27	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	32	30	37	31	29	37	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	34	38	33	31	38	30	29	37	28	26	36	26	25	34	25	0
				Exposed	39	39	39	39	39	39	39	39	39	39	38	36	39	36	34	39	34	32	39	32	30	39	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	40	36	34	40	33	31	39	30	29	38	28	26	36	26	25	34	25	0
				Exposed	41	41	41	41	41	41	41	40	39	41	38	36	41	36	34	41	34	32	41	32	30	41	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
	D	2:12	9.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	30	34	30	28	33	28	27	31	26	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	29	28	32	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	30	28	32	28	27	31	26	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	29	28	32	27	26	30	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	29	32	29	28	31	28	27	31	26	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	29	28	32	27	26	29	25	0	28	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		31	29				
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	30		32	28		32	26		30	0		28	0	
		6:12	26.6	Non-Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	31		31	29				
				Exposed	32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	32		32	30		32	28		32	26		30	0		28	0	
		7:12	30.3	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	30	29	33	28	27	33	26	25	32	25	23
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	32	30	33	31	29	33	28	26	33	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	34	28	27	33	26	25	33	25	23
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	31	29	34	28	26	34	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	35	36	33	31	35	30	29	35	28	27	34	26	25	34	25	0
				Exposed	36	36	36	36	36	36	36	36	36	36	36	36	36	36	34	36	34	32	36	32	30	36	31	29	36	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	33	31	37	30	29	36	28	26	35	26	25	34	25	0
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	32	30	37	31	29	37	28	26	36	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	36	34	38	33	31	38	30	29	37	28	26	36	26	25	34	25	0
				Exposed	39	39	39	39	39	39	39	39	39	39	38	36	39	36	34	39	34	32	39	32	30	39	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	38	40	36	34	40	33	31	39	30	29	38	28	26	36	26	25	34	25	0
				Exposed	41	41	41	41	41	41	41	40	39	41	38	36	41	36	34	41	34	32	41	32	30	41	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
45	B	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	30	32	29	28	32	28	27
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	28	30	28	27	30	28	27
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	28	30	28	27	30	28	27
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	26	31	26	25
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	30	28	33	28	26	33	26	25
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	31	34	30	28	34	28	26	34	26	25
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	32	31	35	30	28	35	28	26	35	26	25
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	35	37	34	32	37	34	32
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	34	37	32	31	37	30	28	37	28	26	36	26	25
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	34	32	32
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	37	39	35	33	39	32	31	39	30	28	39	28	26	36	26	25
	C	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	29	32	29	28
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	28	32	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	29	27
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	27	30	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	29	27
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	27	30	26	0	29	0	0	27	0	0	28	0	0
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	29		30	27		30	25	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	29		31	27		31	25	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	27	31	27	26	31	27	26
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	27	31	26	25	31	25	0	31	0	0	30	0	0
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	31	30	33	29	27	32	27	26
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	29	28	33	26	25	33	25	0	32	0	0	30	0	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	29	34	29	27	33	27	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	29	34	28	27	34	26	25	34	25	0	31	0	0	29	0	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32	35	31	29	35	29	27	34	27	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	31	29	35	28	27	35	26	25	34	25	0	31	0	0	29	0	0	29	0	0	28	0	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	35	37	34	32	37	31	29	36	29	27	35	27	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	31	29	37	28	27	36	26	25	34	25	0	31	0	0	29	0	0	29	0	0	28	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	37	35	39	34	32	38	31	29	37	29	27	37	27	26
				Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	38	39	39	36	34	39	34	32	39	31	29	39	28	27	36	26	25	34	25	0	31	0	0	29	0	0	29	0	0
	D	2:12	9.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	29	28	32	27	26	30	25	0	28	0	0	26	0	0
		3:12	14.0	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	28	30	27	26	30	25	0	28	0	0	0	0	0
		4:12	18.4	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	28	30	28	27	30	26
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	28	30	27	26	29	25	0	28	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	29	
				Exposed	30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	30		30	28		30	26		30	0		28	0		28	0	
		6:12	26.6	Non-Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		30	29	
				Exposed	31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	31		31	30		31	28		31	26		30	0		28	0	
		7:12	30.3	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	28	27	31	26	25	31	25	23		
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	28	26	31	26	24	31	0	0	31	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	31	33	30	29	33	28	27	32	26	25	32	25	23
				Exposed	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	32	33	32	30	33	31	29	33	28	26	33	26	24	33	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	34	28	27	33	26	25	32	25	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	31	29	34	28	26	34	26	24	33	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	30	29	35	28	26	34	26	25	33	25	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	34	35	32	30	35	31	29	35	28	26	35	26	24	33	0	0	30	0	0	29	0	0	27	0	0	27	0	0	26	0	0
		11:12	42.5	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	33	31	36	30	29	36	28	26	35	26	25	34	25	0
				Exposed	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	32	30	37	31	29	37	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0	26	0	0
		12:12	45	Non-Exposed	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	38	36	39	34	32	38	31	29	37	28	26	36	26	25	34	25	0
				Exposed	39	39	39	39	39	39	39	39	39	39	38	36	39	36	34	39	34	32	39	32	30	39	31	29	39	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
50	B	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	28	31	28	27	31	28	27
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27	29	28	27	29	28	27
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		6:12	26.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	25
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	28	31	28	26	31	26	25
		9:12	36.9	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	28	32	28	26	32	26	25
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	30	28	34	28	26	34	26	25
		11:12	42.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	32	35	31	29	35	29	27
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	31	29	35	28	27	35	26	25
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	34	32	37	31	29	36	29	27
				Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	31	29	37	28	27	36	26	25	34	25	0	31	0	0	29	0	0
	C	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	28			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	27	30	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	29	29	29	29	27
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	27	29	28	27	29	26	0	29	0	0	27	0	0
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	28	28	28	28	27
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	0	28	0	0	27	0	0
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	27		29	25				
		6:12	26.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29	
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	27		29	25				
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	27	30	27	26			
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	27	30	26	25	30	25	0	30	0	0	30	0	0
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	27	31	27	26			
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	28	31	27	26	31	25	0	31	0	0	31	0	0
		9:12	36.9	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	29	32	29	27	32	27	26
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	29	32	28	27	32	26	25	32	25	0	31	0	0
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	29	34	29	27	33	27	26
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	29	34	28	27	34	26	25	34	25	0	31	0	0	29	0	0
		11:12	42.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	32	35	31	29	35	29	27	34	27	26
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	31	29	35	28	27	35	26	25	34	25	0	31	0	0	29	0	0	29	0	0
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	31	29	36	30	28	35	28	26
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	32	30	37	31	29	37	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
	D	2:12	9.5	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	30	28	31	28	27	30	26	0
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	29	28	31	27	26	30	25	0	28	0	0	26	0	0	0	0	0
		3:12	14.0	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27	29	26	0
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	27	26	29	25	0	28	0	0	0	0	0	0	0	0
		4:12	18.4	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	26	0			
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	26	28	25	0	28	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29				
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	28		29	26		29	0		28	0				
		6:12	26.6	Non-Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29				
				Exposed	29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	29		29	28		29	26		29	0		28	0				
		7:12	30.3	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	27	30	26	25	30	25	23
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	26	30	26	24	30	0	0	30	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	28	27	31	26	25	30	25	23
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	28	26	31	26	24	31	0	0	31	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	28	27	32	26	25	31	25	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	32	29	32	28	26	32	26	24	32	0	0	30	0	0	29	0	0	27	0	0
		10:12	39.8	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	33	28	26	33	26	25	32	25	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	31	29	34	28	26	34	26	24	33	0	0	30	0	0	29	0	0	27	0	0	27	0	0
		11:12	42.5	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	30	29	35	28	26	34	26	25	33	25	0
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	32	30	35	31	29	35	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	36	34	37	33	31	36	30	29	36	28	26	35	26	25	34	25	0
				Exposed	37	37	37	37	37	37	37	37	37	37	37	36	37	36	34	37	34	32	37	32	30	37	31	29	37	28	26	35	26	24	33	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
55	B	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		6:12	26.6	Non-Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
				Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
		7:12	30.3	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	26	29	26	25
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	25
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	26	31	26	25	31	26	25
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	28	32	28	26	32	26	25	32	26	25
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	31	34	30	28	34	28	26	34	26	25
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	31	35	30	28	35	28	26	35	26	25
	C	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27	29	26	0	29	0	0	27	0	0
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	0	27	0	0	27	0	0
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	0	27	0	0	27	0	0
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	25		27	27		27	25	
		6:12	26.6	Non-Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
				Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	27		28	25				
		7:12	30.3	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	27	26
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	26	25	29	25	0	29	0	0	29	0	0	29	0	0
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	26
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	27	30	26	25	30	25	0	30	0	0	30	0	0
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	29	26
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	28	27	31	26	25	31	25	0	31	0	0
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	29	27
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	31	29	34	28	27	34	26	25
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	32
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	33	35	32	31	35	30	28	35	28	26
	D	2:12	9.5	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	27
		3:12	14.0	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
		4:12	18.4	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	25	0	27	0	0	0	0	0
		5:12	22.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	26		27	0		27	0	
		6:12	26.6	Non-Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28	
				Exposed	28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	28		28	26		28	0		28	0	
		7:12	30.3	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	27	29	26	25	29	25	23
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	26	29	26	24	29	0	0	29	0	0	29	0	0	27	0	0
		8:12	33.7	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	27	30	26	25	29	25	23
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	26	30	26	24	30	0	0	30	0	0	29	0	0	27	0	0
		9:12	36.9	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	28	27	31	26	25	30	25	0	27	0	0
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	31	31	31	29	31	28	26	31	26	24	31	0	0	30	0	0	29	0	0	27	0	0			
		10:12	39.8	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	28	26	32	26	25	31	25	0			
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	28	26	32	26	24	32	0	0	30	0	0			
		11:12	42.5	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	31	34	30	29	33	28	26	33	26	25	32	25	0			
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	31	29	34	28	26	34	26	24	33	0	0	30	0	0	28	0	0			
		12:12	45	Non-Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	33	31	35	30	29	35	28	26	34	26	25	33	25	0			
				Exposed	35	35	35	35	35	35	35	35	35	35	35	35	35	35	34	35	34	32	35	32	30	35	31	29	35	28	26	35	26	24	33	0	0	30	0	0	28	0	0			

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
60	B	2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		5:12	22.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		6:12	26.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	25
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	25
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	28	31	28	26	31	26	25	30	25
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	30	28	34	28	26	34	26	25
	C	2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	0	0
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	0
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0	0
		5:12	22.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	25		26	25		26	25	
		6:12	26.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	25		27	25		27	25	
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25	27	25	0	27	0	0	27	0	0	27	0	0
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	26	0	28	0	0	27	0	0	27	0	0
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	25	30	25	0	30	0	0
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	31	28	27	31	26	25	31	25	0	31	0	0
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	32	31	34	30	28	34	28	26	34	26	25
	D	2:12	9.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
		3:12	14.0	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		4:12	18.4	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		5:12	22.6	Non-Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
				Exposed	26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26		26	26	
		6:12	26.6	Non-Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27	
				Exposed	27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	27		27	26		27	26		27	26	
		7:12	30.3	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	24	27	0	0	27	0	0	27	0	0	27	0	0
		8:12	33.7	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	26	25
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	24	28	0	0	28	0	0	27	0	0	27	0
		9:12	36.9	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	27	30	26	25	29	25	0
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	26	24	30	0	0	30	0	0	29	0	0	27	0
		10:12	39.8	Non-Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	29	31	28	26	31	26	25	30	25	0
				Exposed	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	30	31	31	29	31	28	26	31	26	24	31	0	0	30	0	0	29	0	0	27	0	0
		11:12	42.5	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	28	26	32	26	25	31	25	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	29	32	28	26	32	26	24	32	0	0	30	0	0	28	0	0	27	0	0
		12:12	45	Non-Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	33	34	31	30	34	28	26	33	26	25	33	25	0
				Exposed	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	32	34	32	30	34	31	29	34	28	26	34	26	24	33	0	0	30	0	0	28	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
70	B	2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		5:12	22.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
				Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	26	25
		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	29	28	26	29	26	25
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	28	30	28	26	30	26	25
		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
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	C	2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		5:12	22.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
				Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
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		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0	26	0	0	26	0	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	29	27	26
				Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	27	29	26	25	29	25	0	29	0	0	29	0	0
		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	27	26
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	29	32	29	27	32	27	26
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	D	2:12	9.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	0
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		3:12	14.0	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
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		4:12	18.4	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
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		5:12	22.6	Non-Exposed	24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24		24	24	
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		6:12	26.6	Non-Exposed	25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25		25	25	
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		7:12	30.3	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	23
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		8:12	33.7	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	23
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26	0	0	26	0	0	26	0	0	26	0	0
		9:12	36.9	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25	27	25	0
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		10:12	39.8	Non-Exposed	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	28	26	29	26	25	29	25	0
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		11:12	42.5	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	28	26	30	26	25	30	25	0
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		12:12	45	Non-Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	31	32	30	29	32	28	26	32	26	25	31	25	0
				Exposed	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	32	31	29	32	28	26	32	26	24	32	0	0	30	0	0	28	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
80	B	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		6:12	26.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
				Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	28	27	26
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	25	28	25	28	0	0
		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	29	30	29	27	30	27	26
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	C	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
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		6:12	26.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
				Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
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	D	2:12	9.5	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		3:12	14.0	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		4:12	18.4	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
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		5:12	22.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
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		6:12	26.6	Non-Exposed	23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23		23	23	
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		7:12	30.3	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	23
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		8:12	33.7	Non-Exposed	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	23
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		9:12	36.9	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0
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		10:12	39.8	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	25	0
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		11:12	42.5	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25
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		12:12	45	Non-Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
				Exposed	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
90	B	2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		5:12	22.6	Non-Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
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		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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	C	2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		5:12	22.6	Non-Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
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		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
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		10:12	39.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
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		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26
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		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
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	D	2:12	9.5	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
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		3:12	14.0	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
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		4:12	18.4	Non-Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
				Exposed	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	0	21	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21	
				Exposed	21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	21		21	0		21	0		21	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
				Exposed	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	0	23	0	0	23	0	0	23	0	0
		9:12	36.9	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		10:12	39.8	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
		11:12	42.5	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	26	24	27	0	0
		12:12	45	Non-Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
				Exposed	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	26	28	26	24	28	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
100	B	2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0	26	0	0	26	0	0	26	0	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	27	27	27	26
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25	27	25	0	27	0	0	27	0	0
	C	2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0	26	0	0	26	0	0	26	0	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	27	27	27	26
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25	27	25	0	27	0	0	27	0	0
	D	2:12	9.5	Non-Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
				Exposed	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	0	22	0	0	22	0	0
		3:12	14.0	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0
		4:12	18.4	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
				Exposed	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0	24	0	0	24	0	0
		11:12	42.5	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0	26	0	0	26	0	0	26	0	0
		12:12	45	Non-Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	27	27	27	27	27	25
				Exposed	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	26	25	27	25	0	27	0	0	27	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
110	B	2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
		3:12	14.0	Non-Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25
	C	2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0
		3:12	14.0	Non-Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26	0	0	26	0	0	26	0	0	26	0	0
	D	2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0	20	0	0	20	0	0
		3:12	14.0	Non-Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
				Exposed	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	25	26	25	0	26	0	0
				Exposed	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	24	26	0	0	26	0	0	26	0	0	26	0	0

Tamarack 1.6 Rail – Hip Flush-Mount on 30 Foot Maximum Mean Roof Height – Portrait – Panel Length = 96 Inches or Less

Ground Snow Load	Exposure Category	Roof Pitch	Roof Angle	Wind Speed (mph)	95			100			105			110			115			120			125			130			140			150			160			170			180			190		
				Roof Area	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
120	B	2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
		3:12	14.0	Non-Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	C	2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
				Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
		3:12	14.0	Non-Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	2:12	9.5	Non-Exposed	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
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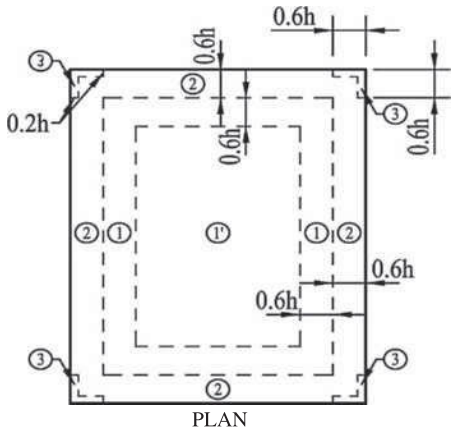
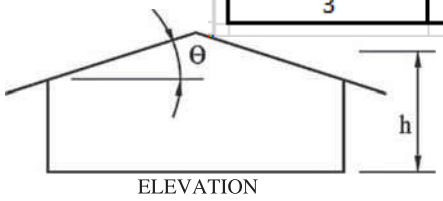
		3:12	14.0	Non-Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
				Exposed	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
		4:12	18.4	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5:12	22.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		6:12	26.6	Non-Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
				Exposed	0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0		0	0	
		7:12	30.3	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		8:12	33.7	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9:12	36.9	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		10:12	39.8	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		11:12	42.5	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		12:12	45	Non-Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				Exposed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1`, 1
2	2
3	3

Diagrams

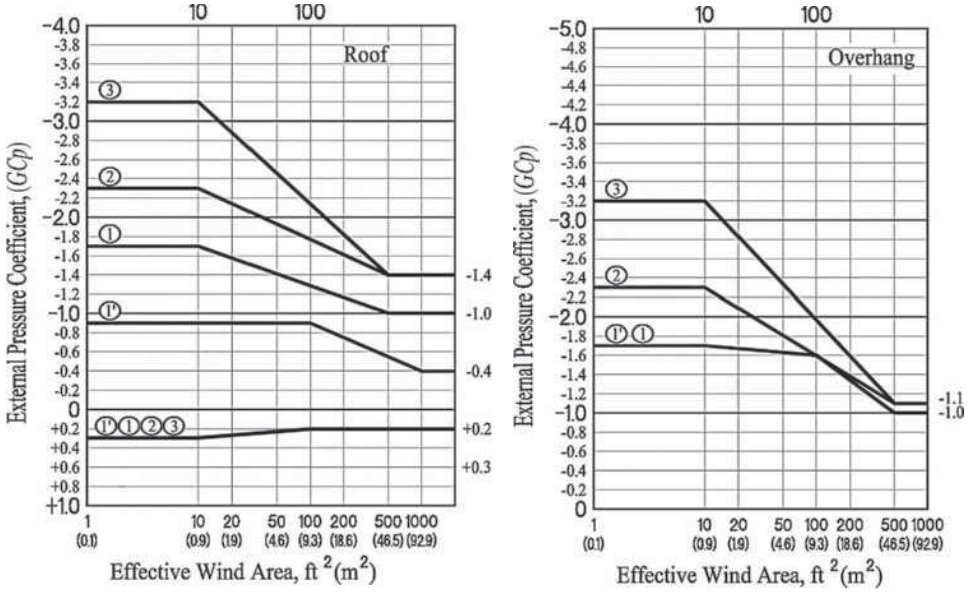




Notation

B = Horizontal dimension of building measured normal to wind direction, in ft (m).
h = Eave height shall be used for $\theta = 10°$.
θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients

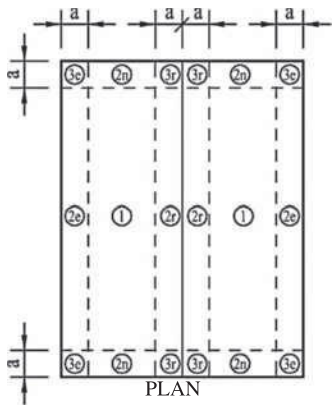


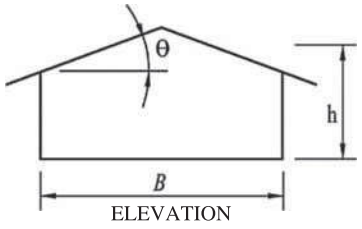
Notes

1. Vertical scale denotes (GC_p) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. If a parapet equal to or higher than 3 ft (0.9 m) is provided around the perimeter of the roof with $\theta \leq 7°$, the negative values of (GC_p) in Zone 3 shall be equal to those for Zone 2, and positive values of (GC_p) in Zones 2 and 3 shall be set equal to those for wall Zones 4 and 5, respectively, in Fig. 30.3-1.
6. Values of (GC_p) for roof overhangs include pressure contributions from both upper and lower surfaces.
7. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.

FIGURE 30.3-2A Components and Cladding [$h \leq 60$ ft ($h \leq 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Gable Roofs, $\theta \leq 7°$

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1, 2e
2	2n, 2r, 3e
3	3r





Notation

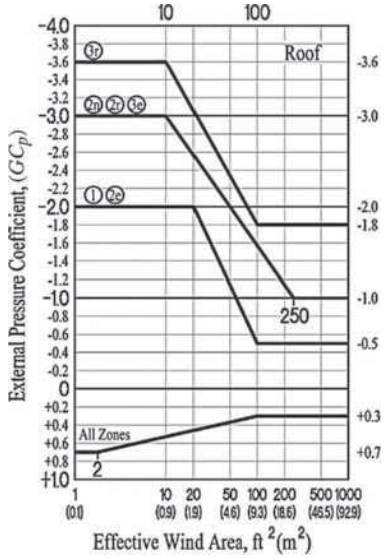
a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.

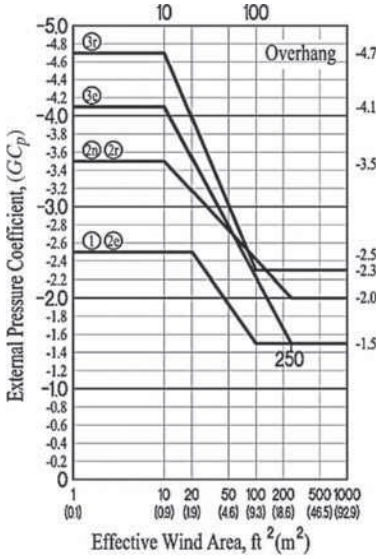
B = Horizontal dimension of building measured normal to wind direction, in ft (m).

h = Mean roof height, in ft (m), except that eave height shall be used for $\theta \le 10°$.

θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients





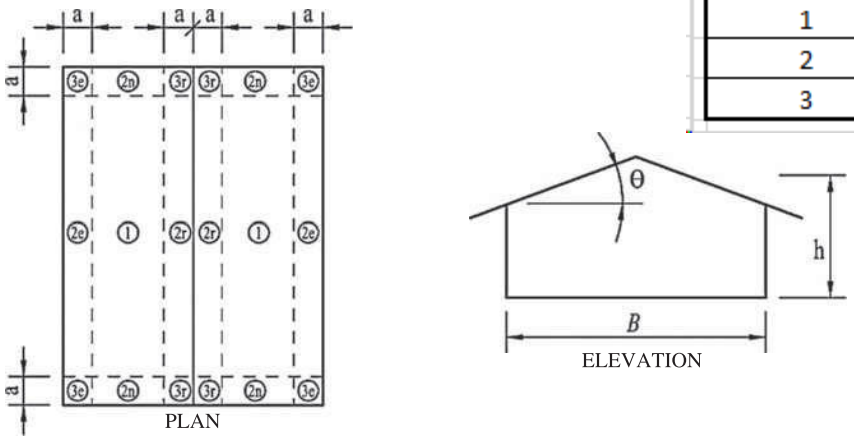
Notes

1. Vertical scale denotes (GCp) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. Values of (GCp) for roof overhangs include pressure contributions from both upper and lower surfaces.
6. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.

FIGURE 30.3-2B Components and Cladding [$h \le 60$ ft ($h \le 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Gable Roofs, $7° < \theta \le 20°$

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1, 2e
2	2n, 2r, 3e
3	3r

Diagrams



Notation

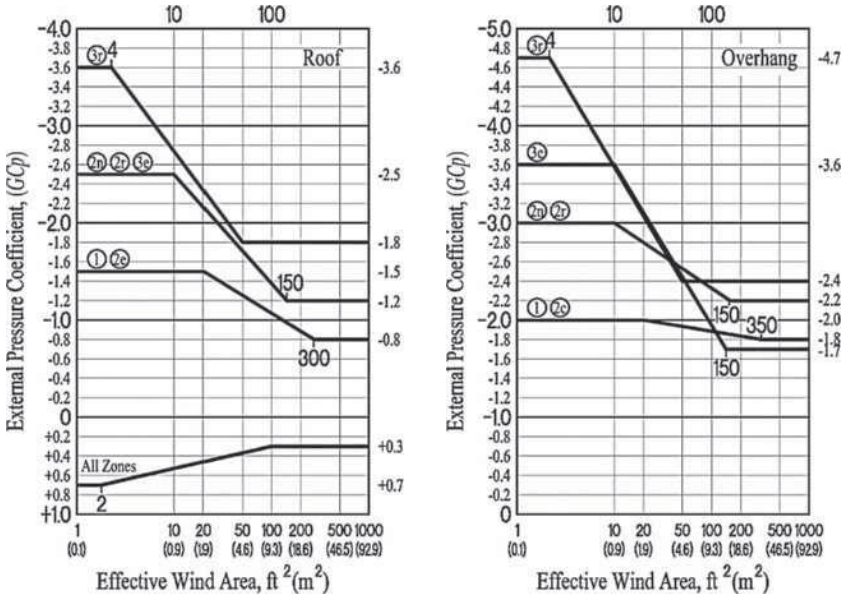
a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.

B = Horizontal dimension of building measured normal to wind direction, in ft (m).

h = Mean roof height, in ft (m).

θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients



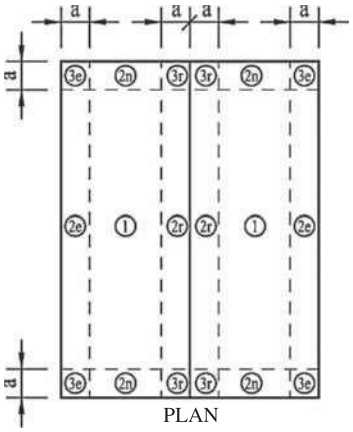
Notes

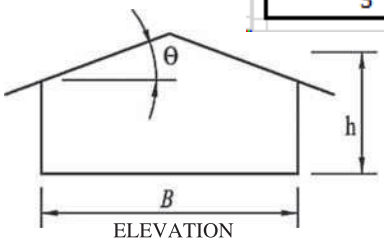
1. Vertical scale denotes (GC_p) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. Values of (GC_p) for roof overhangs include pressure contributions from both upper and lower surfaces.
6. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.

FIGURE 30.3-2C Components and Cladding [$h \le 60$ ft ($h \le 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Gable Roofs, $20° < \theta \le 27°$

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1, 2e, 2r
2	2n, 3r
3	3e

Diagrams





Notation

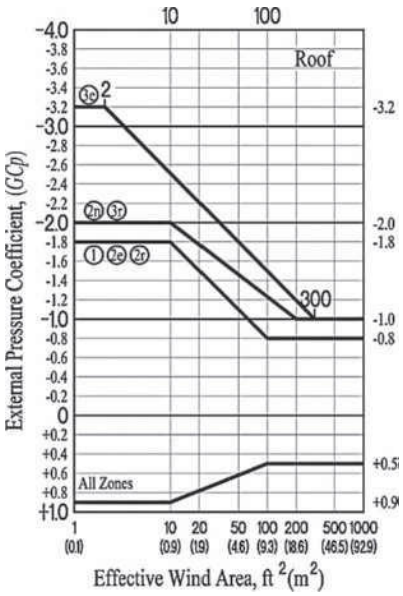
a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.

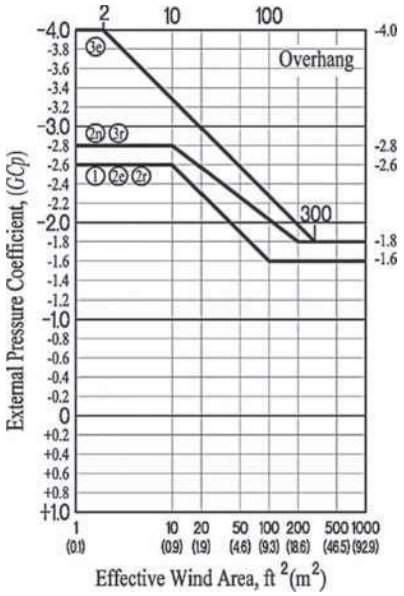
B = Horizontal dimension of building measured normal to wind direction, in ft (m).

h = Mean roof height, in ft (m).

θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients





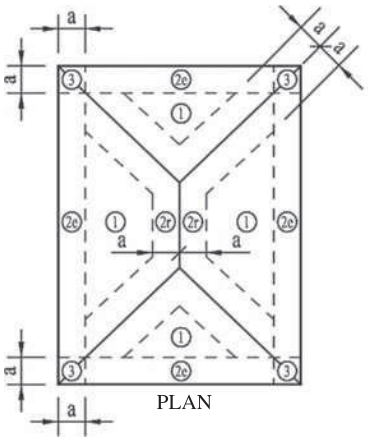
Notes

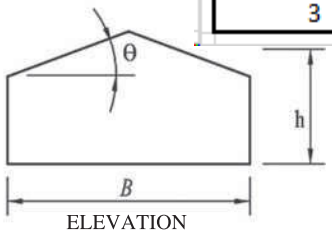
1. Vertical scale denotes (GC_p) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. Values of (GC_p) for roof overhangs include pressure contributions from both upper and lower surfaces.
6. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.

FIGURE 30.3-2D Components and Cladding [$h \leq 60$ ft ($h \leq 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Gable Roofs, $27° < \theta \leq 45°$

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1
2	2r
3	2e, 3

Diagrams





Notation

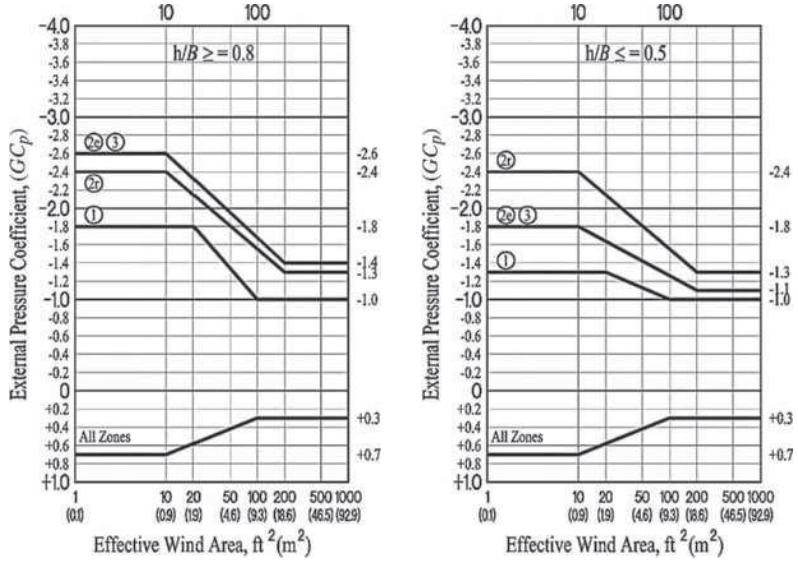
a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.

h = Mean roof height, in ft (m), except that eave height shall be used for $\theta \le 10°$.

B = Horizontal dimension of building measured normal to wind direction, in ft (m).

θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients



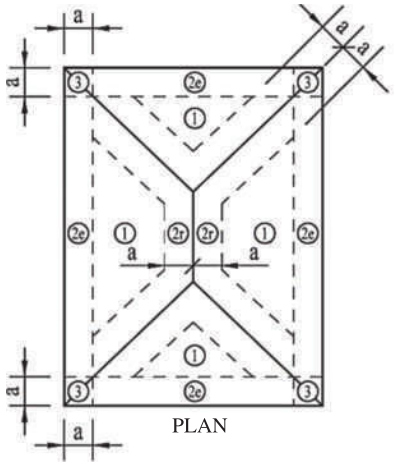
Notes

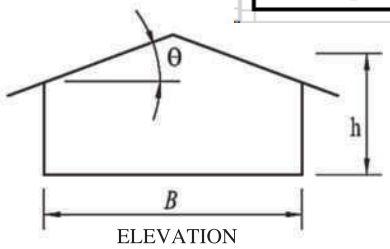
1. Vertical scale denotes (GCp) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.
6. Interpolation of (GCp) between the two different h/B values is required for $0.5 < h/B < 0.8$.
7. B for Zone 3 is the least horizontal dimension. B for Zones 1 and 2e is normal to the building width and normal to the eave defining Zone 2e.

FIGURE 30.3-2E Components and Cladding [$h \le 60$ ft ($h \le 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Hip Roofs, $7° < \theta \le 20°$ (Roof)

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1
2	2e, 2r, 3
3	NA

Diagrams

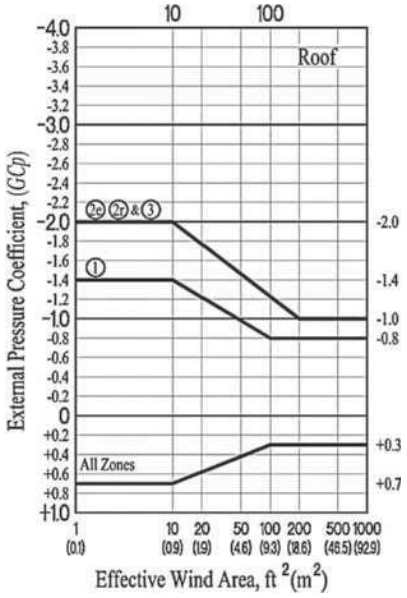


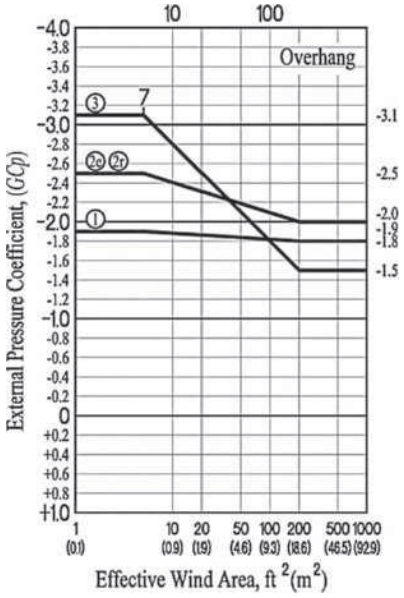


Notation

a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.
B = Horizontal dimension of building measured normal to wind direction, in ft (m).
h = Mean roof height, in ft (m).
θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients





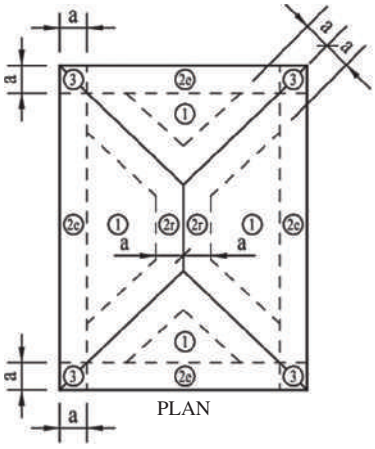
Notes

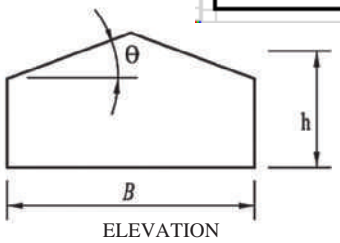
1. Vertical scale denotes (GCp) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. Values of (GCp) for roof overhangs include pressure contributions from both upper and lower surfaces.
6. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.

FIGURE 30.3-2G Components and Cladding [$h \le 60$ ft ($h \le 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Hip Roofs, $20° < \theta \le 27°$ (Roof and Overhang)

Roof Areas Per SML Tables	Roof Zones Per ASCE 7-16
1	1
2	2e, 2r
3	3

Diagrams





Notation

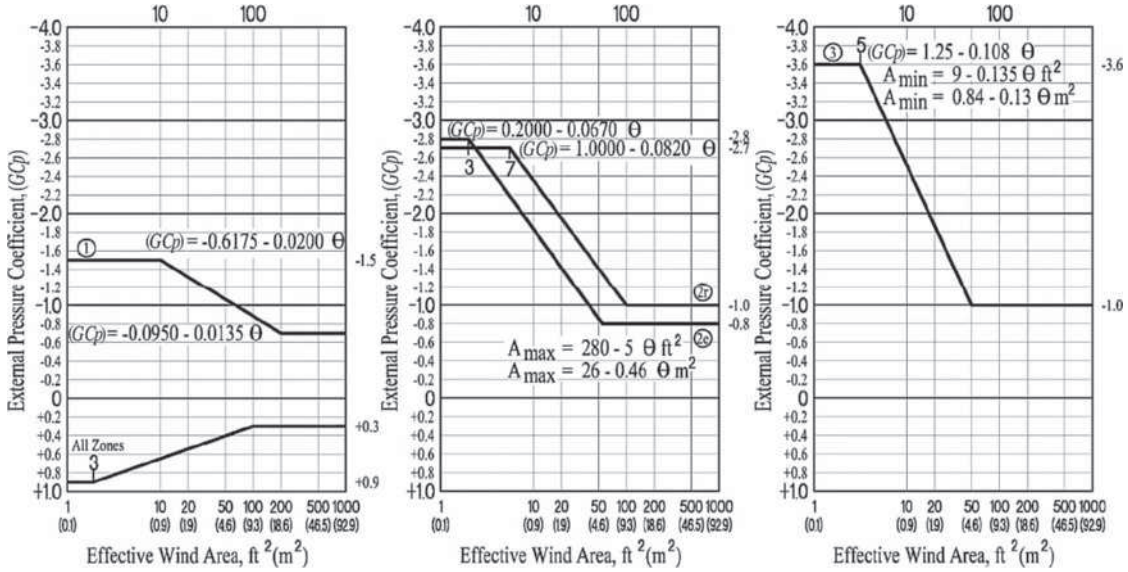
a = 10% of least horizontal dimension or 0.4h, whichever is smaller, but not less than either 4% of least horizontal dimension or 3 ft (0.9 m). If an overhang exists, the edge distance shall be measured from the outside edge of the overhang. The horizontal dimensions used to compute the edge distance shall not include any overhang distances.

B = Horizontal dimension of building measured normal to wind direction, in ft (m).

h = Mean roof height, in ft (m).

θ = Angle of plane of roof from horizontal, in degrees.

External Pressure Coefficients



Notes

1. Vertical scale denotes (GCp) to be used with q_h.
2. Horizontal scale denotes effective wind area, in ft^2 (m^2).
3. Plus and minus signs signify pressures acting toward and away from the surfaces, respectively.
4. Each component shall be designed for maximum positive and negative pressures.
5. If overhangs exist, the lesser horizontal dimension of the building shall not include any overhang dimension, but the edge distance, a, shall be measured from the outside edge of the overhang.
7. A_{min} = the minimum tributary area (i.e., areas less than A_{min} are to use (GCp) value for A_{min}).
8. A_{max} = the maximum tributary area (i.e., areas greater than A_{max} are to use (GCp) value for A_{max}).
9. (GCp) values given for roof slope, θ = 45°; for other slopes use the equations.

FIGURE 30.3-2H Components and Cladding [$h \leq 60$ ft ($h \leq 18.3$ m)]: External Pressure Coefficients, (GC_p), for Enclosed and Partially Enclosed Buildings—Hip Roofs, 27° < θ ≤ 45° (Roof)

TAMARACK SOLAR PRODUCTS

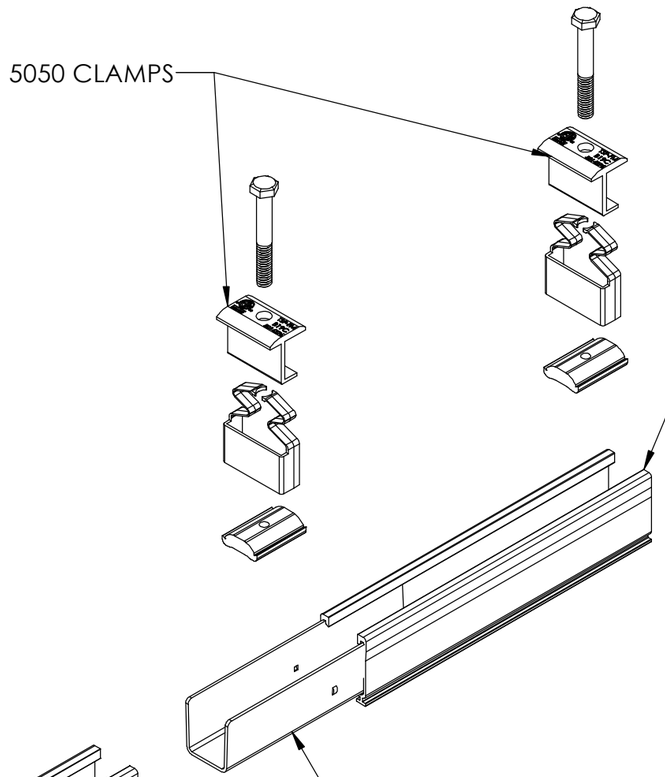
FLUSH MOUNT

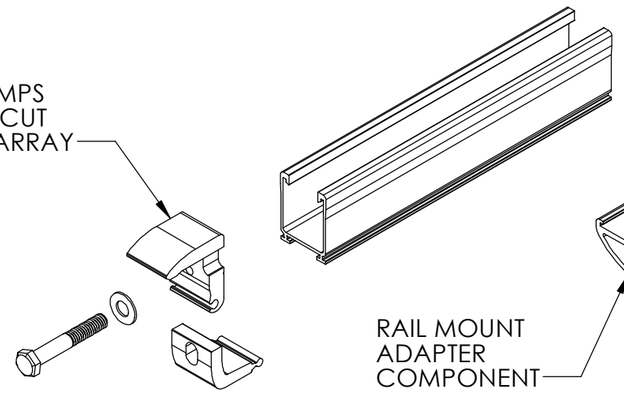
SOLAR MOUNTING SYSTEM

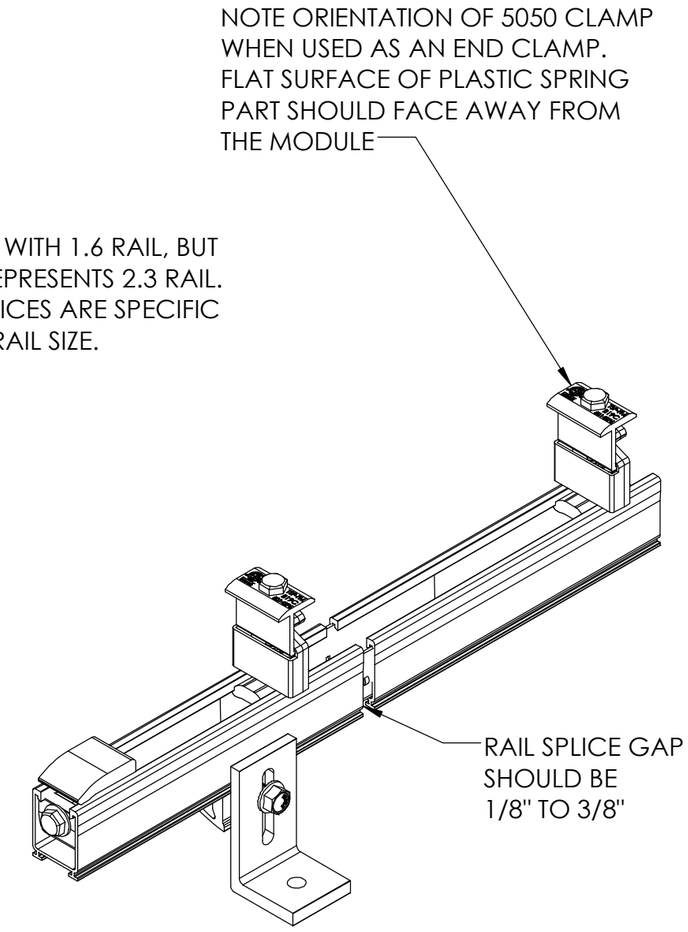
SHOWING SYSTEM RAILS, SPLICES
MOUNTS, 5050 MODULE CLAMPS (WORK IN MID OR END CONDITION),
AND CHANNEL END CLAMPS.

SHOWN WITH L FOOT MOUNT, BUT MOUNT CAN BE INTERCHANGED WITH MOST TYPICAL MOUNTS ON THE MARKET WITH A VERTICAL LEVELING SLOT INCLUDING TILE ROOF HOOKS.

TORQUE ALL FASTENERS TO 12 FT-LBS







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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	JW	04/19
			CHECKED	DK	04/19
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

System Components Detail

SIZE	DWG. NO.	REV
B	FM-D01	

SCALE: 1:4 | WEIGHT: | SHEET 1 OF 1

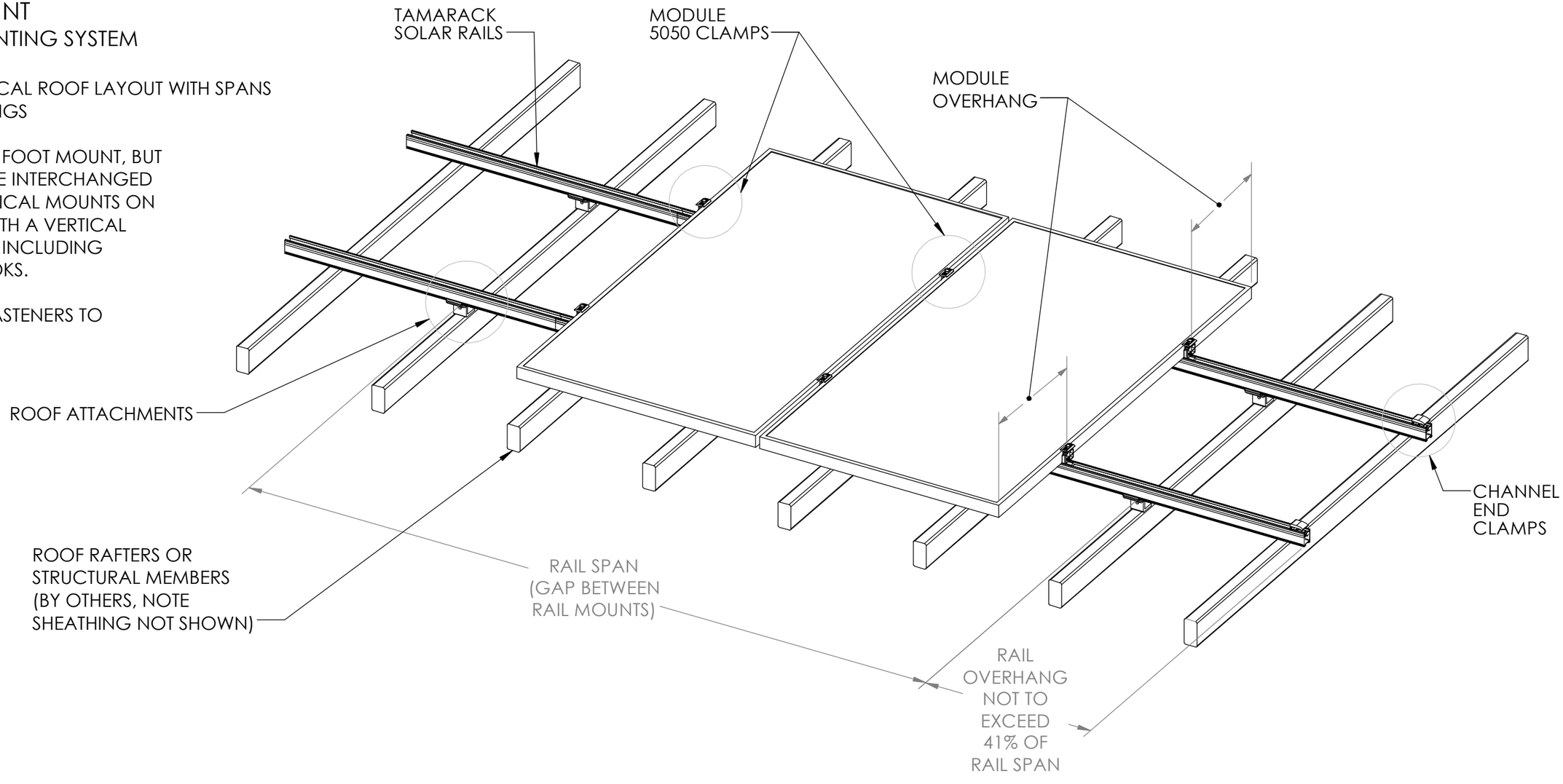
TAMARACK SOLAR PRODUCTS

FLUSH MOUNT
SOLAR MOUNTING SYSTEM

SHOWING TYPICAL ROOF LAYOUT WITH SPANS AND OVERHANGS

SHOWN WITH L FOOT MOUNT, BUT MOUNT CAN BE INTERCHANGED WITH MOST TYPICAL MOUNTS ON THE MARKET WITH A VERTICAL LEVELING SLOT INCLUDING TILE ROOF HOOKS.

TORQUE ALL FASTENERS TO 12 FT-LBS



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TOLERANCES:
FRACTIONAL ±
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±
THREE PLACE DECIMAL ±

INTERPRET GEOMETRIC TOLERANCING PER:

MATERIAL

FINISH

	NAME	DATE
DRAWN	JW	04/19
CHECKED	DK	04/19
ENG APPR.		
MFG APPR.		
Q.A.		

COMMENTS:

TITLE:

System Layout Detail

SIZE	DWG. NO.	REV
B	FM-D02	

SCALE: 1:4 | WEIGHT: | SHEET 1 OF 1

TAMARACK SOLAR PRODUCTS

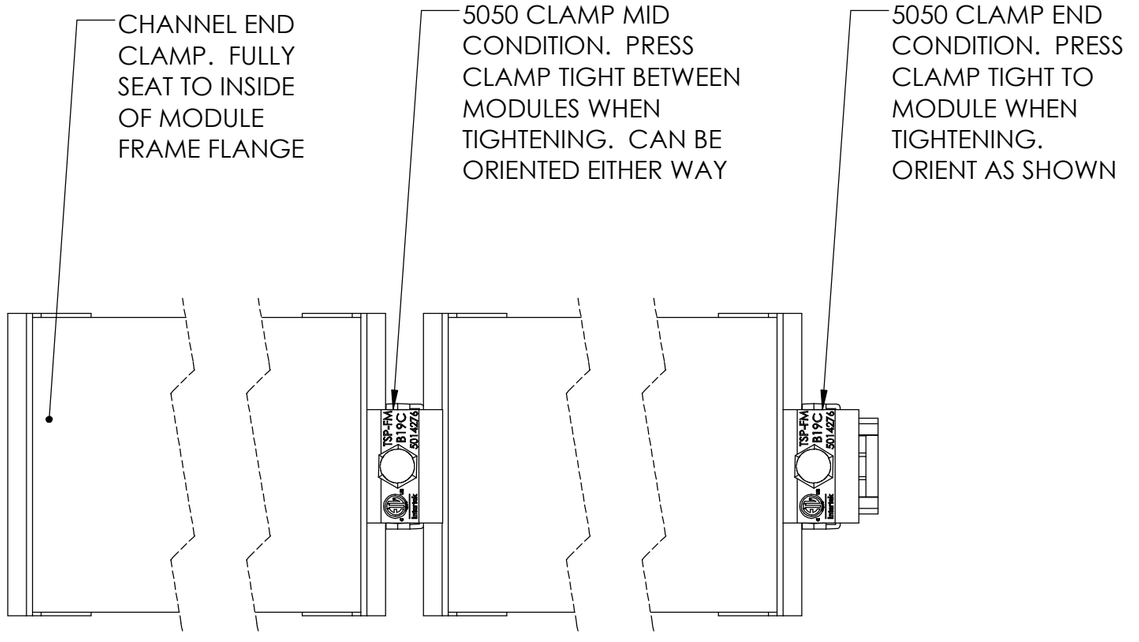
FLUSH MOUNT
SOLAR MOUNTING SYSTEM

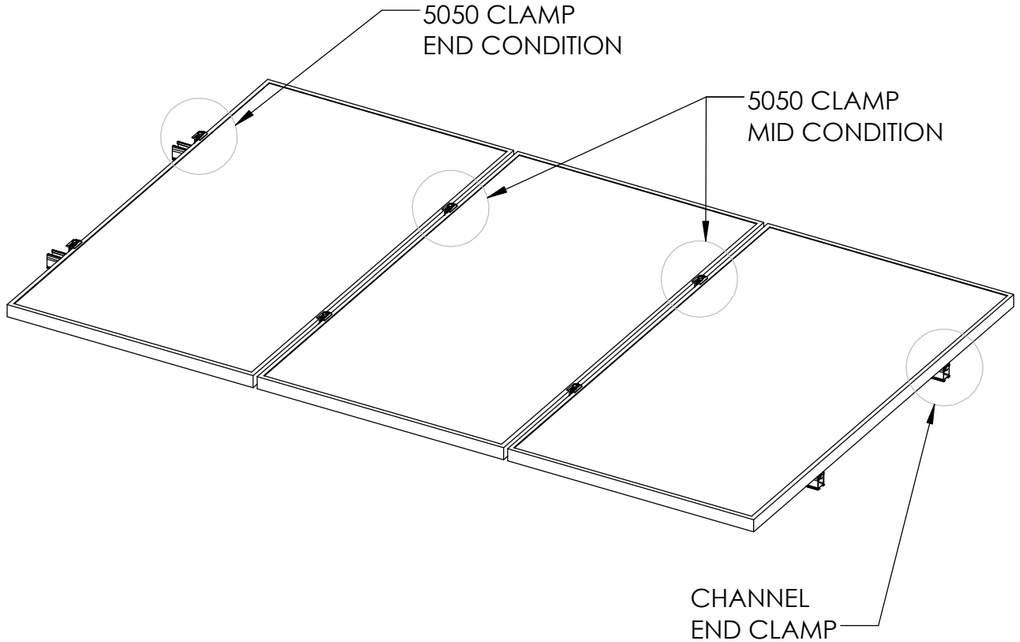
MODULE CLAMP DETAILS

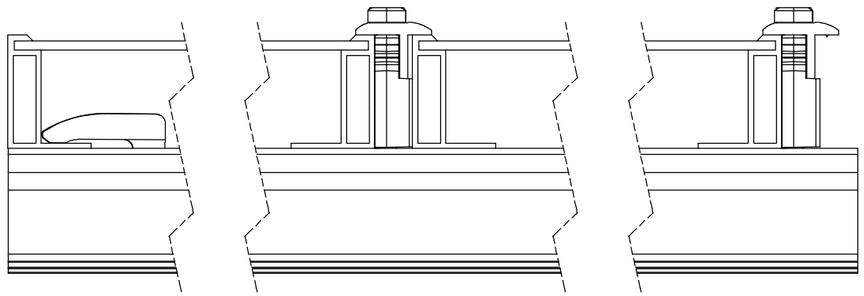
5050 CLAMPS CAN BE INSTALLED IN EITHER MID OR END CLAMP CONDITIONS AS SHOWN. HALF INCH MODULE GAP. IN END CONDITION OPEN SIDE OF PLASTIC SPRING SHOULD FACE IN TO THE MODULE AS SHOWN

CHANNEL END CLAMPS INSTALL IN THE RAIL CHANNEL AND ALLOW THE MODULE FRAMES TO BE FLUSH TO THE END OF THE MOUNTING RAILS

TORQUE ALL FASTENERS TO 12 FT-LBS







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		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL
NEXT ASSY	USED ON	FINISH
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	JW	04/19
CHECKED	DK	04/19
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

TITLE:

Module Clamp Detail

SIZE	DWG. NO.	REV
B	FM-D03	

SCALE: 1:4 | WEIGHT: | SHEET 1 OF 1