



12/29/2017

Attn: Mr. Marshall Green
Quick Mount PV
2700 Mitchell Dr.
Walnut Creek, CA, 94598

RE: Quick Mount PV QBase Mount System for use with
Everest CrossRail 48-S PV Panel Mounting System

SEI Project No.: 17054.00

Dear Mr. Green

Structural Enginuity Inc. (SEI) has completed its review of the Quickmount PV QBase Mount System for use in conjunction with the Everest CrossRail 48-S PV Panel Mounting System. The QBase product line includes the Composition Mount (QMNC), Metal, Shake, & Slate Mount (QMNS), Standard Flat Tile Mount (QMSFT), Universal Tile Mount (QMUTM), and the Low Slope Mount (QMLSH).

The review was based on the following reference data:

- Moment Engineering+Design, CrossRail PV Panel Mounting System Evaluation, January 13, 2017
- Applied Materials & Engineering, New Construction Composition Mount (QMNC 3-3/4" Finished Height) Load Testing, Project Number 111114C, March 23, 2011
- Applied Materials & Engineering, Quick Mount QBase with 6.5" Post as Used in Low Slope Mount (QMLSH-7) & Universal Tile Mount (QMUTM) Load Testing, Project Number 111316C, July 5, 2011
- Applied Materials & Engineering, Low Slope Mount QMLSH-9 Hardware Load Testing, Project Number 111203C, May 5, 2011
- Applied Materials & Engineering, Low Slope Mount QMLSH-12 Hardware Load Testing, Project Number 111204C, May 9, 2011
- Eclipse Engineering, Allowable Load Capacities for the Quick Mount PV QBase Mount system, June 19, 2014

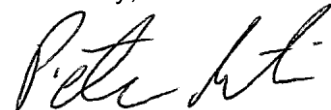
SEI has determined that the QMNC, QMNS, QMSFT, QMUTM, and QMLSH mounts are suitable for use with the Everest CrossRail 48-S System. The approved installation and allowable loads for the Quick Mount PV QBase products is outlined in the Eclipse Engineering report referenced above. The allowable load values are shown below, no additional load duration factors may be applied to these values.

Table 1: QBase Roof Mounts					
Load Direction	Specific Gravity of Lumber Rafter	QMNC, QMNS, QMSFT	QMUTM, QMLSH-7	QMLSH-9	QMLSH-12
Tension	0.5	1179 lb.			
Shear - Parallel to Rafter	0.5	686 lb.	257 lb.	257 lb.	168 lb.
Shear - Perpendicular to Rafter	0.5	464 lb.	171 lb.	216 lb.	122 lb.

SEI has prepared allowable rail span charts for the Everest CrossRail 48-S System used in conjunction with the Quick Mount PV QBase products. These span tables serve as a quick reference for looking up maximum rail spans based on building and site conditions and follow the 2016 CBC, 2015 IBC/IRC and applicable ASCE 7-10 load cases. The tables take into account the strength of the rail system as well as the allowable tension and shear forces of the QBase mounts. A site specific analysis is required if the site conditions or building characteristics do not meet the requirements listed in the attached tables. In all cases, the tables are meant to be used in conjunction with Everest CrossRail System Structural Report and Calculations and all requirements listed are still applicable for these tables including edge zones and edge distances.

Please contact our office if you have any further questions relating to this matter.

Sincerely,



Peter Martin
Engineer II

pmartin@structuralengenuityinc.com



Allan T. Myket, P.E.
President/Founder

amyket@structuralengenuityinc.com



12/29/2017

Structural Engenuity Inc.

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 1A		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir						
															Specific Gravity:	0.5					
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3							
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)							
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50		
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43		
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43		
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43		
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43		
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43		
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43		
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43		
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43		
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41		
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37		

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 1B		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 1C		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir					
														Specific Gravity:	0.5					
Exposure	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
B		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43	
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43	
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43	
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43	
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43	
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43	
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43	
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41	
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 1D		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir						
															Specific Gravity:	0.5					
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3							
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)							
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50		
Roofs > 7° to 27°	110	91	80	66	47	36	29	83	80	66	47	36	29	69	69	66	47	36	29		
	115	91	80	66	47	36	29	79	79	66	47	36	29	66	66	66	47	36	29		
	120	91	80	66	47	36	29	76	76	66	47	36	29	63	63	63	47	36	29		
	130	89	79	66	47	36	29	71	71	66	47	36	29	58	58	58	47	36	29		
	140	86	77	64	47	36	29	65	65	64	47	36	29	53	53	53	47	36	29		
	150	80	75	63	47	36	29	61	61	61	47	36	29	50	50	50	47	36	29		
	160	75	73	62	47	36	29	57	57	57	47	36	29	47	47	47	47	36	29		
	170	71	71	61	47	36	29	54	54	54	47	36	29	44	44	44	44	36	29		
	180	67	67	59	47	36	29	50	50	50	47	36	29	41	41	41	41	36	29		
	200	60	60	57	47	36	29	45	45	45	45	36	29	37	37	37	37	36	29		

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 2A		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir					
														Specific Gravity:	0.5					
Exposure	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
C		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43	
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43	
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43	
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43	
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42	
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39	
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37	
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35	
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 2B		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 2C		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 2D		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir					
														Specific Gravity:	0.5					
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs > 7° to 27°	110	89	79	66	47	36	29	71	71	66	47	36	29	58	58	58	47	36	29	
	115	88	78	65	47	36	29	67	67	65	47	36	29	55	55	55	47	36	29	
	120	85	76	64	47	36	29	65	65	64	47	36	29	53	53	53	47	36	29	
	130	78	74	63	47	36	29	59	59	59	47	36	29	49	49	49	47	36	29	
	140	73	72	61	47	36	29	55	55	55	47	36	29	45	45	45	45	36	29	
	150	68	68	60	47	36	29	51	51	51	47	36	29	42	42	42	42	36	29	
	160	64	64	58	47	36	29	48	48	48	47	36	29	39	39	39	39	36	29	
	170	50	60	57	47	36	29	45	45	45	45	36	29	37	37	37	37	36	29	
	180	57	57	55	47	36	29	42	42	42	42	36	29	35	35	35	35	35	29	
	200	51	51	51	47	36	29	38	38	38	38	36	29	31	31	31	31	31	29	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 3A		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 3B		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 3C		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 3D		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir					
														Specific Gravity:	0.5					
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs > 7° to 27°	110	85	76	64	47	36	29	65	65	64	47	36	29	53	53	53	47	36	29	
	115	81	75	63	47	36	29	62	62	62	47	36	29	50	50	50	47	36	29	
	120	78	74	63	47	36	29	59	59	59	47	36	29	48	48	48	47	36	29	
	130	73	72	61	47	36	29	54	54	54	47	36	29	44	44	44	44	36	29	
	140	67	67	59	47	36	29	50	50	50	47	36	29	41	41	41	41	36	29	
	150	63	63	58	47	36	29	47	47	47	47	36	29	38	38	38	38	36	29	
	160	58	58	56	47	36	29	44	44	44	44	36	29	36	36	36	36	36	29	
	170	55	55	55	47	36	29	41	41	41	41	36	29	34	34	34	34	34	29	
	180	52	52	52	47	36	29	39	39	39	39	36	29	32	32	32	32	32	29	
	200	46	46	46	46	36	29	35	35	35	35	35	29	28	28	28	28	28	28	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 4A		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	87	75	63	54	47	42	87	75	63	54	47	42	87	75	63	54	47	42
	115	86	74	62	54	47	42	86	74	62	54	47	42	86	74	62	54	47	42
	120	84	73	62	54	47	42	84	73	62	54	47	42	84	73	62	54	47	42
	130	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	140	77	69	59	52	47	42	75	69	59	52	47	42	75	69	59	52	47	42
	150	73	67	57	51	46	42	71	67	57	51	46	42	71	67	57	51	46	42
	160	69	64	56	50	45	42	66	64	56	50	45	42	66	64	56	50	45	42
	170	66	62	54	49	45	41	62	62	54	49	45	41	62	62	54	49	45	41
	180	63	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	200	57	56	50	46	42	39	53	53	50	46	42	39	53	53	50	46	42	39

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 4B		Roof Height: 0 - 30 feet											Panel Orientation: Portrait							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir							
Exposure	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
B		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs >27° to 45°	110	87	75	63	46	36	29	87	75	63	46	36	29	87	75	63	46	36	29	
	115	86	74	62	46	36	29	86	74	62	46	36	29	86	74	62	46	36	29	
	120	84	73	62	46	36	29	84	73	62	46	36	29	84	73	62	46	36	29	
	130	81	71	60	46	36	29	81	71	60	46	36	29	81	71	60	46	36	29	
	140	77	69	59	46	36	29	75	69	59	46	36	29	75	69	59	46	36	29	
	150	73	67	57	46	36	29	71	67	57	46	36	29	71	67	57	46	36	29	
	160	69	64	56	46	36	29	66	64	56	46	36	29	66	64	56	46	36	29	
	170	66	62	54	46	36	29	62	62	54	46	36	29	62	62	54	46	36	29	
	180	63	60	53	46	36	29	59	59	53	46	36	29	59	59	53	46	36	29	
	200	57	56	50	46	36	29	53	53	50	46	36	29	53	53	50	46	36	29	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 4C		Roof Height: 0 - 30 feet											Panel Orientation: Portrait							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir							
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs >27° to 45°	110	87	75	63	46	36	29	87	75	63	46	36	29	87	75	63	46	36	29	
	115	86	74	62	46	36	29	86	74	62	46	36	29	86	74	62	46	36	29	
	120	84	73	62	46	36	29	84	73	62	46	36	29	84	73	62	46	36	29	
	130	81	71	60	46	36	29	81	71	60	46	36	29	81	71	60	46	36	29	
	140	77	69	59	46	36	29	75	69	59	46	36	29	75	69	59	46	36	29	
	150	73	67	57	46	36	29	71	67	57	46	36	29	71	67	57	46	36	29	
	160	69	64	56	46	36	29	66	64	56	46	36	29	66	64	56	46	36	29	
	170	66	62	54	46	36	29	62	62	54	46	36	29	62	62	54	46	36	29	
	180	63	60	53	46	36	29	59	59	53	46	36	29	59	59	53	46	36	29	
	200	57	56	50	46	36	29	53	53	50	46	36	29	53	53	50	46	36	29	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 4D		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	87	73	43	30	23	19	87	73	43	30	23	19	87	73	43	30	23	19
	115	86	73	43	30	23	19	86	73	43	30	23	19	86	73	43	30	23	19
	120	84	73	43	30	23	19	84	73	43	30	23	19	84	73	43	30	23	19
	130	81	71	43	30	23	19	81	71	43	30	23	19	81	71	43	30	23	19
	140	77	69	43	30	23	19	75	69	43	30	23	19	75	69	43	30	23	19
	150	73	67	43	30	23	19	71	67	43	30	23	19	71	67	43	30	23	19
	160	69	64	43	30	23	19	66	64	43	30	23	19	66	64	43	30	23	19
	170	66	62	43	30	23	19	62	62	43	30	23	19	62	62	43	30	23	19
	180	63	60	43	30	23	19	59	59	43	30	23	19	59	59	43	30	23	19
	200	57	56	43	30	23	19	53	53	43	30	23	19	53	53	43	30	23	19

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 5A		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	115	79	70	59	52	47	42	77	70	59	52	47	42	77	70	59	52	47	42
	120	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	130	72	66	57	50	46	42	69	66	57	50	46	42	69	66	57	50	46	42
	140	67	63	55	49	45	42	64	63	55	49	45	42	64	63	55	49	45	42
	150	63	60	53	48	44	41	60	60	53	48	44	41	60	60	53	48	44	41
	160	60	58	51	47	43	40	56	56	51	47	43	40	56	56	51	47	43	40
	170	56	56	50	45	42	39	53	53	50	45	42	39	53	53	50	45	42	39
	180	54	54	48	44	41	38	50	50	48	44	41	38	50	50	48	44	41	38
	200	48	48	45	42	39	37	44	44	44	42	39	37	44	44	44	42	39	37

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 5B		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	60	46	36	29	81	71	60	46	36	29	81	71	60	46	36	29
	115	79	70	59	46	36	29	77	70	59	46	36	29	77	70	59	46	36	29
	120	76	68	58	46	36	29	74	68	58	46	36	29	74	68	58	46	36	29
	130	72	66	57	46	36	29	69	66	57	46	36	29	69	66	57	46	36	29
	140	67	63	55	46	36	29	64	63	55	46	36	29	64	63	55	46	36	29
	150	63	60	53	46	36	29	60	60	53	46	36	29	60	60	53	46	36	29
	160	60	58	51	46	36	29	56	56	51	46	36	29	56	56	51	46	36	29
	170	56	56	50	45	36	29	53	53	50	45	36	29	53	53	50	45	36	29
	180	54	54	48	44	36	29	50	50	48	44	36	29	50	50	48	44	36	29
	200	48	48	45	42	36	29	44	44	44	42	36	29	44	44	44	42	36	29

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 5C		Roof Height: 0 - 30 feet											Panel Orientation: Portrait							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir							
Exposure	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
C		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs >27° to 45°	110	81	71	60	46	36	29	81	71	60	46	36	29	81	71	60	46	36	29	
	115	79	70	59	46	36	29	77	70	59	46	36	29	77	70	59	46	36	29	
	120	76	68	58	46	36	29	74	68	58	46	36	29	74	68	58	46	36	29	
	130	72	66	57	46	36	29	69	66	57	46	36	29	69	66	57	46	36	29	
	140	67	63	55	46	36	29	64	63	55	46	36	29	64	63	55	46	36	29	
	150	63	60	53	46	36	29	60	60	53	46	36	29	60	60	53	46	36	29	
	160	60	58	51	46	36	29	56	56	51	46	36	29	56	56	51	46	36	29	
	170	56	56	50	45	36	29	53	53	50	45	36	29	53	53	50	45	36	29	
	180	54	54	48	44	36	29	50	50	48	44	36	29	50	50	48	44	36	29	
	200	48	48	45	42	36	29	44	44	44	42	36	29	44	44	44	42	36	29	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 5D		Roof Height: 0 - 30 feet											Panel Orientation: Portrait							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir							
Exposure C		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1					Roof Wind Pressure Zone 2					Roof Wind Pressure Zone 3							
			Roof Snow Load (psf)					Roof Snow Load (psf)					Roof Snow Load (psf)							
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	43	30	23	19	81	71	43	30	23	19	81	71	43	30	23	19	
	115	79	70	43	30	23	19	77	70	43	30	23	19	77	70	43	30	23	19	
	120	76	68	43	30	23	19	74	68	43	30	23	19	74	68	43	30	23	19	
	130	72	66	43	30	23	19	69	66	43	30	23	19	69	66	43	30	23	19	
	140	67	63	43	30	23	19	64	63	43	30	23	19	64	63	43	30	23	19	
	150	63	60	43	30	23	19	60	60	43	30	23	19	60	60	43	30	23	19	
	160	60	58	43	30	23	19	56	56	43	30	23	19	56	56	43	30	23	19	
	170	56	56	43	30	23	19	53	53	43	30	23	19	53	53	43	30	23	19	
	180	54	54	43	30	23	19	50	50	43	30	23	19	50	50	43	30	23	19	
	200	48	48	43	30	23	19	44	44	43	30	23	19	44	44	43	30	23	19	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 6A		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	115	73	67	57	51	46	42	72	67	57	51	46	42	72	67	57	51	46	42
	120	71	65	56	50	46	42	69	65	56	50	46	42	69	65	56	50	46	42
	130	67	63	55	49	45	41	63	63	55	49	45	41	63	63	55	49	45	41
	140	62	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	150	59	57	51	46	43	40	55	55	51	46	43	40	55	55	51	46	43	40
	160	55	55	49	45	42	39	51	51	49	45	42	39	51	51	49	45	42	39
	170	52	52	47	44	41	38	48	48	47	44	41	38	48	48	47	44	41	38
	180	49	49	46	42	40	37	45	45	45	42	40	37	45	45	45	42	40	37
	200	44	44	43	40	38	36	41	41	41	40	38	36	41	41	41	40	38	36

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 6B		Roof Height: 0 - 30 feet											Panel Orientation: Portrait						
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir						
Exposure	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
D		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	46	36	29	74	68	58	46	36	29	74	68	58	46	36	29
	115	73	67	57	46	36	29	72	67	57	46	36	29	72	67	57	46	36	29
	120	71	65	56	46	36	29	69	65	56	46	36	29	69	65	56	46	36	29
	130	67	63	55	46	36	29	63	63	55	46	36	29	63	63	55	46	36	29
	140	62	60	53	46	36	29	59	59	53	46	36	29	59	59	53	46	36	29
	150	59	57	51	46	36	29	55	55	51	46	36	29	55	55	51	46	36	29
	160	55	55	49	45	36	29	51	51	49	45	36	29	51	51	49	45	36	29
	170	52	52	47	44	36	29	48	48	47	44	36	29	48	48	47	44	36	29
	180	49	49	46	42	36	29	45	45	45	42	36	29	45	45	45	42	36	29
	200	44	44	43	40	36	29	41	41	41	40	36	29	41	41	41	40	36	29

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 6C		Roof Height: 0 - 30 feet											Panel Orientation: Portrait						
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir						
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	46	36	29	74	68	58	46	36	29	74	68	58	46	36	29
	115	73	67	57	46	36	29	72	67	57	46	36	29	72	67	57	46	36	29
	120	71	65	56	46	36	29	69	65	56	46	36	29	69	65	56	46	36	29
	130	67	63	55	46	36	29	63	63	55	46	36	29	63	63	55	46	36	29
	140	62	60	53	46	36	29	59	59	53	46	36	29	59	59	53	46	36	29
	150	59	57	51	46	36	29	55	55	51	46	36	29	55	55	51	46	36	29
	160	55	55	49	45	36	29	51	51	49	45	36	29	51	51	49	45	36	29
	170	52	52	47	44	36	29	48	48	47	44	36	29	48	48	47	44	36	29
	180	49	49	46	42	36	29	45	45	45	42	36	29	45	45	45	42	36	29
	200	44	44	43	40	36	29	41	41	41	40	36	29	41	41	41	40	36	29

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 6D		Roof Height: 0 - 30 feet						Roof Angle: $27 < \theta \leq 45$ degrees						Panel Orientation: Portrait					
		Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
Exposure D	Ultimate Wind Speed, V (mph)	Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	43	30	23	19	74	68	43	30	23	19	74	68	43	30	23	19
	115	73	67	43	30	23	19	72	67	43	30	23	19	72	67	43	30	23	19
	120	71	65	43	30	23	19	69	65	43	30	23	19	69	65	43	30	23	19
	130	67	63	43	30	23	19	63	63	43	30	23	19	63	63	43	30	23	19
	140	62	60	43	30	23	19	59	59	43	30	23	19	59	59	43	30	23	19
	150	59	57	43	30	23	19	55	55	43	30	23	19	55	55	43	30	23	19
	160	55	55	43	30	23	19	51	51	43	30	23	19	51	51	43	30	23	19
	170	52	52	43	30	23	19	48	48	43	30	23	19	48	48	43	30	23	19
	180	49	49	43	30	23	19	45	45	43	30	23	19	45	45	43	30	23	19
	200	44	44	43	30	23	19	41	41	41	30	23	19	41	41	41	30	23	19

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 7A		Roof Height:	0 - 30 feet											Panel Orientation: Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir					
		Specific Gravity: 0.5																	
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 7B		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Douglas Fir					
														Specific Gravity:	0.5					
Exposure	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
B		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43	
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43	
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43	
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43	
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43	
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43	
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43	
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41	
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 7C		Roof Height:	0 - 30 feet											Panel Orientation: Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir					
		Specific Gravity: 0.5																	
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 7D		Roof Height:	0 - 30 feet											Panel Orientation: Landscape						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir						
Exposure B		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
			Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	91	80	66	55	48	43	83	80	66	55	48	43	69	69	66	55	48	43	
	115	91	80	66	55	48	43	79	79	66	55	48	43	66	66	66	55	48	43	
	120	91	80	66	55	48	43	76	76	66	55	48	43	63	63	63	55	48	43	
	130	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43	
	140	86	77	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	150	80	75	63	55	48	43	61	61	61	55	48	43	50	50	50	50	48	43	
	160	75	73	62	55	48	43	57	57	57	55	48	43	47	47	47	47	47	43	
	170	71	71	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43	
	180	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41	
	200	60	60	57	51	47	43	45	45	45	45	45	43	37	37	37	37	37	37	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 8A		Roof Height:	0 - 30 feet											Panel Orientation: Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir Specific Gravity: 0.5					
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 8B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 8C		Roof Height:	0 - 30 feet											Panel Orientation: Landscape						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir						
Exposure C		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
			Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43	
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43	
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43	
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43	
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42	
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39	
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37	
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35	
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 8D		Roof Height:	0 - 30 feet											Panel Orientation: Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir Specific Gravity: 0.5					
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	89	79	66	55	48	43	71	71	66	55	48	43	58	58	58	55	48	43
	115	88	78	65	55	48	43	67	67	65	55	48	43	55	55	55	55	48	43
	120	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	130	78	74	63	55	48	43	59	59	59	55	48	43	49	49	49	49	48	43
	140	73	72	61	54	48	43	55	55	55	54	48	43	45	45	45	45	45	43
	150	68	68	60	53	48	43	51	51	51	51	48	43	42	42	42	42	42	42
	160	64	64	58	52	47	43	48	48	48	48	47	43	39	39	39	39	39	39
	170	50	60	57	51	46	43	45	45	45	45	45	43	37	37	37	37	37	37
	180	57	57	55	50	46	42	42	42	42	42	42	42	35	35	35	35	35	35
	200	51	51	51	48	44	41	38	38	38	38	38	38	31	31	31	31	31	31

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 9A		Roof Height:	0 - 30 feet											Panel Orientation: Landscape						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir						
D		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
			Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43	
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43	
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43	
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41	
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38	
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36	
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34	
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32	
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 9B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 9C		Roof Height:	0 - 30 feet											Panel Orientation: Landscape						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir						
D		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
			Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43	
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43	
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43	
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41	
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38	
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36	
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34	
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32	
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 9D		Roof Height:	0 - 30 feet											Panel Orientation: Landscape						
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species: Douglas Fir						
D		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
			Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs > 7° to 27°	110	85	76	64	55	48	43	65	65	64	55	48	43	53	53	53	53	48	43	
	115	81	75	63	55	48	43	62	62	62	55	48	43	50	50	50	50	48	43	
	120	78	74	63	55	48	43	59	59	59	55	48	43	48	48	48	48	48	43	
	130	73	72	61	54	48	43	54	54	54	54	48	43	44	44	44	44	44	43	
	140	67	67	59	53	48	43	50	50	50	50	48	43	41	41	41	41	41	41	
	150	63	63	58	52	47	43	47	47	47	47	47	43	38	38	38	38	38	38	
	160	58	58	56	50	46	43	44	44	44	44	44	43	36	36	36	36	36	36	
	170	55	55	55	49	45	42	41	41	41	41	41	41	34	34	34	34	34	34	
	180	52	52	52	48	44	41	39	39	39	39	39	39	32	32	32	32	32	32	
	200	46	46	46	46	43	40	35	35	35	35	35	35	28	28	28	28	28	28	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 10A		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	87	75	63	54	47	42	87	75	63	54	47	42	87	75	63	54	47	42
	115	86	74	62	54	47	42	86	74	62	54	47	42	86	74	62	54	47	42
	120	84	73	62	54	47	42	84	73	62	54	47	42	84	73	62	54	47	42
	130	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	140	77	69	59	52	47	42	75	69	59	52	47	42	75	69	59	52	47	42
	150	73	67	57	51	46	42	71	67	57	51	46	42	71	67	57	51	46	42
	160	69	64	56	50	45	42	66	64	56	50	45	42	66	64	56	50	45	42
	170	66	62	54	49	45	41	62	62	54	49	45	41	62	62	54	49	45	41
	180	63	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	200	57	56	50	46	42	39	53	53	50	46	42	39	53	53	50	46	42	39

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 10B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	87	75	63	54	47	42	87	75	63	54	47	42	87	75	63	54	47	42
	115	86	74	62	54	47	42	86	74	62	54	47	42	86	74	62	54	47	42
	120	84	73	62	54	47	42	84	73	62	54	47	42	84	73	62	54	47	42
	130	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	140	77	69	59	52	47	42	75	69	59	52	47	42	75	69	59	52	47	42
	150	73	67	57	51	46	42	71	67	57	51	46	42	71	67	57	51	46	42
	160	69	64	56	50	45	42	66	64	56	50	45	42	66	64	56	50	45	42
	170	66	62	54	49	45	46	62	62	54	49	45	41	62	62	54	49	45	41
	180	63	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	200	57	56	50	46	42	39	53	53	50	46	42	39	53	53	50	46	42	39

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 10C		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	87	75	63	54	47	42	87	75	63	54	47	42	87	75	63	54	47	42
	115	86	74	62	54	47	42	86	74	62	54	47	42	86	74	62	54	47	42
	120	84	73	62	54	47	42	84	73	62	54	47	42	84	73	62	54	47	42
	130	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	140	77	69	59	52	47	42	75	69	59	52	47	42	75	69	59	52	47	42
	150	73	67	57	51	46	42	71	67	57	51	46	42	71	67	57	51	46	42
	160	69	64	56	50	45	42	66	64	56	50	45	42	66	64	56	50	45	42
	170	66	62	54	49	45	46	62	62	54	49	45	41	62	62	54	49	45	41
	180	63	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	200	57	56	50	46	42	39	53	53	50	46	42	39	53	53	50	46	42	39

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 10D		Roof Height: 0 - 30 feet											Panel Orientation: Landscape							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir							
Exposure B	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3						
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)						
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50	
Roofs >27° to 45°	110	87	75	63	48	37	30	87	75	63	48	37	30	87	75	63	48	37	30	
	115	86	74	62	48	37	30	86	74	62	48	37	30	86	74	62	48	37	30	
	120	84	73	62	48	37	30	84	73	62	48	37	30	84	73	62	48	37	30	
	130	81	71	60	48	37	30	81	71	60	48	37	30	81	71	60	48	37	30	
	140	77	69	59	48	37	30	75	69	59	48	37	30	75	69	59	48	37	30	
	150	73	67	57	48	37	30	71	67	57	48	37	30	71	67	57	48	37	30	
	160	69	64	56	48	37	30	66	64	56	48	37	30	66	64	56	48	37	30	
	170	66	62	54	48	37	30	62	62	54	48	37	30	62	62	54	48	37	30	
	180	63	60	53	48	37	30	59	59	53	48	37	30	59	59	53	48	37	30	
	200	57	56	50	46	37	30	53	53	50	46	37	30	53	53	50	46	37	30	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 11A		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	115	79	70	59	52	47	42	77	70	59	52	47	42	77	70	59	52	47	42
	120	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	130	72	66	57	50	46	42	69	66	57	50	46	42	69	66	57	50	46	42
	140	67	63	55	49	45	42	64	63	55	49	45	42	64	63	55	49	45	42
	150	63	60	53	48	44	41	60	60	53	48	44	41	60	60	53	48	44	41
	160	60	58	51	47	43	40	56	56	51	47	43	40	56	56	51	47	43	40
	170	56	56	50	45	42	39	53	53	50	45	42	39	53	53	50	45	42	39
	180	54	54	48	44	41	38	50	50	48	44	41	38	50	50	48	44	41	38
	200	48	48	45	42	39	37	44	44	44	42	39	37	44	44	44	42	39	37

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 11B		Roof Height: 0 - 30 feet											Panel Orientation: Landscape							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir							
Exposure C		Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
			Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
			0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42	
	115	79	70	59	52	47	42	77	70	59	52	47	42	77	70	59	52	47	42	
	120	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42	
	130	72	66	57	50	46	42	69	66	57	50	46	42	69	66	57	50	46	42	
	140	67	63	55	49	45	42	64	63	55	49	45	42	64	63	55	49	45	42	
	150	63	60	53	48	44	41	60	60	53	48	44	41	60	60	53	48	44	41	
	160	60	58	51	47	43	40	56	56	51	47	43	40	56	56	51	47	43	40	
	170	56	56	50	45	42	39	53	53	50	45	42	39	53	53	50	45	42	39	
	180	54	54	48	44	41	38	50	50	48	44	41	38	50	50	48	44	41	38	
	200	48	48	45	42	39	37	44	44	44	42	39	37	44	44	44	42	39	37	

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 11C		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	60	53	47	42	81	71	60	53	47	42	81	71	60	53	47	42
	115	79	70	59	52	47	42	77	70	59	52	47	42	77	70	59	52	47	42
	120	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	130	72	66	57	50	46	42	69	66	57	50	46	42	69	66	57	50	46	42
	140	67	63	55	49	45	42	64	63	55	49	45	42	64	63	55	49	45	42
	150	63	60	53	48	44	41	60	60	53	48	44	41	60	60	53	48	44	41
	160	60	58	51	47	43	40	56	56	51	47	43	40	56	56	51	47	43	40
	170	56	56	50	45	42	39	53	53	50	45	42	39	53	53	50	45	42	39
	180	54	54	48	44	41	38	50	50	48	44	41	38	50	50	48	44	41	38
	200	48	48	45	42	39	37	44	44	44	42	39	37	44	44	44	42	39	37

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 11D		Roof Height: 0 - 30 feet											Panel Orientation: Landscape						
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Douglas Fir						
Exposure C	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	81	71	60	48	37	30	81	71	60	48	37	30	81	71	60	48	37	30
	115	79	70	59	48	37	30	77	70	59	48	37	30	77	70	59	48	37	30
	120	76	68	58	48	37	30	74	68	58	48	37	30	74	68	58	48	37	30
	130	72	66	57	48	37	30	69	66	57	48	37	30	69	66	57	48	37	30
	140	67	63	55	48	37	30	64	63	55	48	37	30	64	63	55	48	37	30
	150	63	60	53	48	37	30	60	60	53	48	37	30	60	60	53	48	37	30
	160	60	58	51	47	37	30	56	56	51	47	37	30	56	56	51	47	37	30
	170	56	56	50	45	37	30	53	53	50	45	37	30	53	53	50	45	37	30
	180	54	54	48	44	37	30	50	50	48	44	37	30	50	50	48	44	37	30
	200	48	48	45	42	37	30	44	44	44	42	37	30	44	44	44	42	37	30

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMNC, QMNS, & QMSFT Products

Table 12A		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	115	73	67	57	51	46	42	72	67	57	51	46	42	72	67	57	51	46	42
	120	71	65	56	50	46	42	69	65	56	50	46	42	69	65	56	50	46	42
	130	67	63	55	49	45	41	63	63	55	49	45	41	63	63	55	49	45	41
	140	62	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	150	59	57	51	46	43	40	55	55	51	46	43	40	55	55	51	46	43	40
	160	55	55	49	45	42	39	51	51	49	45	42	39	51	51	49	45	42	39
	170	52	52	47	44	41	38	48	48	47	44	41	38	48	48	47	44	41	38
	180	49	49	46	42	40	37	45	45	45	42	40	37	45	45	45	42	40	37
	200	44	44	43	40	38	36	41	41	41	40	38	36	41	41	41	40	38	36

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMUTM & QMLSH-7 Products

Table 12B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir															
		Specific Gravity: 0.5																	
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	115	73	67	57	51	46	42	72	67	57	51	46	42	72	67	57	51	46	42
	120	71	65	56	50	46	42	69	65	56	50	46	42	69	65	56	50	46	42
	130	67	63	55	49	45	41	63	63	55	49	45	41	63	63	55	49	45	41
	140	62	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	150	59	57	51	46	43	40	55	55	51	46	43	40	55	55	51	46	43	40
	160	55	55	49	45	42	39	51	51	49	45	42	39	51	51	49	45	42	39
	170	52	52	47	44	41	38	48	48	47	44	41	38	48	48	47	44	41	38
	180	49	49	46	42	40	37	45	45	45	42	40	37	45	45	45	42	40	37
	200	44	44	43	40	38	36	41	41	41	40	38	36	41	41	41	40	38	36

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-9 Products

Table 12C		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Douglas Fir Specific Gravity: 0.5															
Exposure D	Ultimate Wind Speed, V (mph)	Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
		Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	52	47	42	74	68	58	52	47	42	74	68	58	52	47	42
	115	73	67	57	51	46	42	72	67	57	51	46	42	72	67	57	51	46	42
	120	71	65	56	50	46	42	69	65	56	50	46	42	69	65	56	50	46	42
	130	67	63	55	49	45	41	63	63	55	49	45	41	63	63	55	49	45	41
	140	62	60	53	48	44	41	59	59	53	48	44	41	59	59	53	48	44	41
	150	59	57	51	46	43	40	55	55	51	46	43	40	55	55	51	46	43	40
	160	55	55	49	45	42	39	51	51	49	45	42	39	51	51	49	45	42	39
	170	52	52	47	44	41	38	48	48	47	44	41	38	48	48	47	44	41	38
	180	49	49	46	42	40	37	45	45	45	42	40	37	45	45	45	42	40	37
	200	44	44	43	40	38	36	41	41	41	40	38	36	41	41	41	40	38	36

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"

Rail Spans (in.) for Everest 48-S Rails for use with QMLSH-12 Products

Table 12D		Roof Height: 0 - 30 feet						Roof Angle: $27 < \theta \leq 45$ degrees						Panel Orientation: Landscape					
		Roof Wind Pressure Zone 1						Roof Wind Pressure Zone 2						Roof Wind Pressure Zone 3					
Exposure D	Ultimate Wind Speed, V (mph)	Roof Snow Load (psf)						Roof Snow Load (psf)						Roof Snow Load (psf)					
		0	10	20	30	40	50	0	10	20	30	40	50	0	10	20	30	40	50
Roofs >27° to 45°	110	76	68	58	48	37	30	74	68	58	48	37	30	74	68	58	48	37	30
	115	73	67	57	48	37	30	72	67	57	48	37	30	72	67	57	48	37	30
	120	71	65	56	48	37	30	69	65	56	48	37	30	69	65	56	48	37	30
	130	67	63	55	48	37	30	63	63	55	48	37	30	63	63	55	48	37	30
	140	62	60	53	48	37	30	59	59	53	48	37	30	59	59	53	48	37	30
	150	59	57	51	46	37	30	55	55	51	46	37	30	55	55	51	46	37	30
	160	55	55	49	45	37	30	51	51	49	45	37	30	51	51	49	45	37	30
	170	52	52	47	44	37	30	48	48	47	44	37	30	48	48	47	44	37	30
	180	49	49	46	42	37	30	45	45	45	42	37	30	45	45	45	42	37	30
	200	44	44	43	40	37	30	41	41	41	40	37	30	41	41	41	40	37	30

Notes:

1. Tables are based on critical rail span for load combinations as specified in chapter 2 of the ASCE 7-10 and allowable uplift and lateral values of Quick Mount products per test reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"