



11/16/2017

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

RE: Quick Mount PV QBlock 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 QBlock Mount System for use in conjunction with the Everest CrossRail 48-S PV Panel Mounting System. The QBlock product line includes the E-Mount (QMSE), E-Mount Lag (QMSE-LAG), Classic Composition Mount (QMSC), and the Classic Shake Mount (QMLC).

The review was based on the following reference data:

- Moment Engineering+Design, CrossRail PV Panel Mounting System Evaluation, January 13, 2017
- Applied Materials & Engineering, Quick Mount PV Load Testing, Project Number 108443C, May 22, 2009
- Applied Materials & Engineering, Quick Mount PV Load Testing, Project Number 108443C, May 22, 2009
- Applied Materials & Engineering, Laboratory Load Testing of the QMSE-Lag, Project Number 114490C, October 29, 2014
- ICC Evaluation Service, Quick Mount PV Roof Mounts, ESR-2835, April 2015
- ICC Evaluation Service, Quick Mount PV Roof Mounts, ESR-3744, November 2016

SEI has determined that the QMSE, QMSE-Lag, QMSC, and QMLC mounts are suitable for use with the Everest CrossRail 48-S System. The approved installation and allowable loads for the Quick Mount PV QBlock products is outlined in the ICC reports (ESR-2835 & ESR-3744). These values are shown below, no additional load duration factors may be applied to these values.

Table 1: QMSE, QMSC, & QMLC Roof Mounts

Load Direction	Specific Gravity of Lumber Rafter	Allowable Load
Uplift	0.5	811
	0.36	436
Lateral	0.5	671
	0.36	634

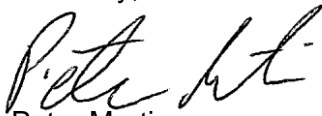
Table 2: QMSE-LAG Roof Mount

Load Direction	Specific Gravity of Lumber Rafter	Allowable Load
Uplift	0.5	732
	-	-
Lateral	0.5	526
	-	-

SEI has prepared allowable rail span charts for the Everest CrossRail 48-S System used in conjunction with the Quick Mount PV QBlock 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 uplift and lateral forces of the QBlock 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,



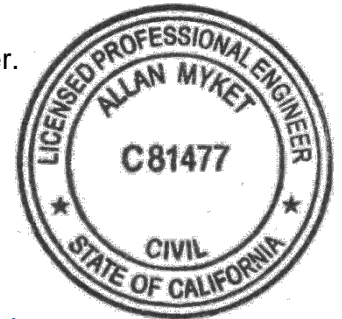
Peter Martin
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11/28/2017

Structural Engenuity Inc.

Rail Spans (in.) for Everest 48-S Rails for use with QMSE, QMSC, QMLC 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	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 ICC 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 QMSE, QMSC, QMLC Products

Table 1B		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Western Cedar					
														Specific Gravity:	0.36					
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	65	65	65	55	48	43	
	120	91	80	66	55	48	43	76	76	66	55	48	43	59	59	59	55	48	43	
	130	89	79	66	55	48	43	71	71	66	55	48	43	50	50	50	50	48	43	
	140	86	77	64	55	48	43	65	65	64	55	48	43	42	42	42	42	42	42	
	150	80	75	63	55	48	43	58	58	58	55	48	43	37	37	37	37	37	37	
	160	75	73	62	55	48	43	50	50	50	50	48	43	32	32	32	32	32	32	
	170	71	71	61	54	48	43	44	44	44	44	44	43	28	28	28	28	28	28	
	180	67	67	59	53	48	43	39	39	39	39	39	39	25	25	25	25	25	25	
	200	60	60	57	51	47	43	31	31	31	31	31	31	20	20	20	20	20	20	

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 ICC 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 QMSE-Lag 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	34	34	34	34	34	34	

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 ICC 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 QMSE, QMSC, QMLC Products

Table 2A		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	33	33	33	33	33	33
	200	51	51	51	48	44	41	38	38	38	38	38	38	27	27	27	27	27	27

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 ICC 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 QMSE, QMSC, QMLC Products

Table 2B		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Western Cedar					
														Specific Gravity:	0.36					
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	49	49	49	49	48	43	
	115	88	78	65	55	48	43	67	67	65	55	48	43	45	45	45	45	45	43	
	120	85	76	64	55	48	43	65	65	64	55	48	43	41	41	41	41	41	41	
	130	78	74	63	55	48	43	55	55	55	55	48	43	35	35	35	35	35	35	
	140	73	72	61	54	48	43	47	47	47	47	47	43	30	30	30	30	30	30	
	150	68	68	60	53	48	43	40	40	40	40	40	40	26	26	26	26	26	26	
	160	64	64	58	52	47	43	35	35	35	35	35	35	23	23	23	23	23	23	
	170	50	60	57	51	46	43	31	31	31	31	31	31	20	20	20	20	20	20	
	180	54	54	54	50	46	42	28	28	28	28	28	28	18	18	18	18	18	18	
	200	43	43	43	43	43	41	22	22	22	22	22	22	14	14	14	14	14	14	

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 ICC 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 QMSE-Lag Products

Table 2C		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	38	38	38	38	38	38		
	170	50	60	57	51	46	43	45	45	45	45	45	43	34	34	34	34	34	34		
	180	57	57	55	50	46	42	42	42	42	42	42	42	30	30	30	30	30	30		
	200	51	51	51	48	44	41	37	37	37	37	37	37	24	24	24	24	24	24		

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 ICC 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 QMSE, QMSC, QMLC 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	35	35	35	35	35	35
	170	55	55	55	49	45	42	41	41	41	41	41	41	31	31	31	31	31	31
	180	52	52	52	48	44	41	39	39	39	39	39	39	28	28	28	28	28	28
	200	46	46	46	46	43	40	35	35	35	35	35	35	22	22	22	22	22	22

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 ICC 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 QMSE, QMSC, QMLC Products

Table 3B		Roof Height:	0 - 30 feet											Panel Orientation:	Portrait					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Western Cedar					
		Specific Gravity: 0.36																		
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	41	41	41	41	41	41	
	115	81	75	63	55	48	43	59	59	59	55	48	43	38	38	38	38	38	38	
	120	78	74	63	55	48	43	54	54	54	54	48	43	35	35	35	35	35	35	
	130	73	72	61	54	48	43	46	46	46	46	46	43	29	29	29	29	29	29	
	140	67	67	59	53	48	43	39	39	39	39	39	39	25	25	25	25	25	25	
	150	63	63	58	52	47	43	34	34	34	34	34	34	22	22	22	22	22	22	
	160	58	58	56	50	46	43	30	30	30	30	30	30	19	19	19	19	19	19	
	170	51	51	51	49	45	42	26	26	26	26	26	26	17	17	17	17	17	17	
	180	45	45	45	45	44	41	23	23	23	23	23	23	15	15	15	15	15	15	
	200	36	36	36	36	36	36	19	19	19	19	19	19	12	12	12	12	12	12	

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 ICC 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 QMSE-Lag Products

Table 3C		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	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	36	36	36	36	36	36		
	160	58	58	56	50	46	43	44	44	44	44	44	43	32	32	32	32	32	32		
	170	55	55	55	49	45	42	41	41	41	41	41	41	28	28	28	28	28	28		
	180	52	52	52	48	44	41	39	39	39	39	39	39	25	25	25	25	25	25		
	200	46	46	46	46	43	40	31	31	31	31	31	31	20	20	20	20	20	20		

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 ICC 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 QMSE, QMSC, QMLC Products

Table 4A		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	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 ICC 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 QMSE, QMSC, QMLC Products

Table 4B		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Western Cedar Specific Gravity: 0.36															
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	42	62	62	54	49	45	41	62	62	54	49	45	41
	180	63	60	53	48	44	41	57	57	53	48	44	41	57	57	53	48	44	41
	200	55	55	50	46	42	39	45	45	45	45	42	39	45	45	45	45	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 ICC 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 QMSE-Lag Products

Table 4C		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 ICC 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 QMSE, QMSC, QMLC 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 ICC 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 QMSE, QMSC, QMLC Products

Table 5B		Roof Height: 0 - 30 feet											Panel Orientation: Portrait							
		Roof Angle: $27 < \theta \leq 45$ degrees											Rafter Species: Western Cedar							
													Specific Gravity: 0.36							
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	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	58	58	53	48	44	41	58	58	53	48	44	41	
	160	60	58	51	47	43	40	51	51	51	47	43	40	51	51	51	47	43	40	
	170	54	54	50	45	42	39	45	45	45	45	42	39	45	45	45	45	42	39	
	180	48	48	48	44	41	38	40	40	40	40	40	38	40	40	40	40	40	38	
	200	38	38	38	38	38	37	32	32	32	32	32	32	32	32	32	32	32	32	

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 ICC 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 QMSE-Lag Products

Table 5C		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	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 ICC 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 QMSE, QMSC, QMLC Products

Table 6A		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	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 ICC 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 QMSE, QMSC, QMLC Products

Table 6B		Roof Height: 0 - 30 feet		Panel Orientation: Portrait															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Western Cedar															
				Specific Gravity: 0.36															
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	56	56	53	48	44	41	56	56	53	48	44	41
	150	59	57	51	46	43	40	49	49	49	46	43	40	49	49	49	46	43	40
	160	52	52	49	45	42	39	42	42	42	42	42	39	42	42	42	42	42	39
	170	45	45	45	44	41	38	37	37	37	37	37	37	37	37	37	37	37	37
	180	40	40	40	40	40	37	33	33	33	33	33	33	33	33	33	33	33	33
	200	32	32	32	32	32	32	27	27	27	27	27	27	27	27	27	27	27	27

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 ICC 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 QMSE-Lag Products

Table 6C		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 ICC 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 QMSE, QMSC, QMLC 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	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 ICC 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 QMSE, QMSC, QMLC Products

Table 7B		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Western Cedar					
														Specific Gravity:	0.36					
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	40	40	40	40	40	40	
	200	60	60	57	51	47	43	45	45	45	45	45	43	32	32	32	32	32	32	

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 ICC 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 QMSE-Lag Products

Table 7C		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 ICC 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 QMSE, QMSC, QMLC Products

Table 8A		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 ICC 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 QMSE, QMSC, QMLC Products

Table 8B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $7 < \theta \leq 27$ degrees		Rafter Species: Western Cedar Specific Gravity: 0.36															
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	41	41	41	41	41	41
	160	64	64	58	52	47	43	48	48	48	48	47	43	36	36	36	36	36	36
	170	50	60	57	51	46	43	45	45	45	45	45	43	32	32	32	32	32	32
	180	57	57	55	50	46	42	42	42	42	42	42	42	28	28	28	28	28	28
	200	51	51	51	48	44	41	35	35	35	35	35	35	23	23	23	23	23	23

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 ICC 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 QMSE-Lag 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 ICC 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 QMSE, QMSC, QMLC Products

Table 9A		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape					
		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	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 ICC 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 QMSE, QMSC, QMLC Products

Table 9B		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape					
		Roof Angle:	7 < θ ≤ 27 degrees											Rafter Species:	Western Cedar					
														Specific Gravity:	0.36					
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	40	40	40	40	40	40	
	150	63	63	58	52	47	43	47	47	47	47	47	43	35	35	35	35	35	35	
	160	58	58	56	50	46	43	44	44	44	44	44	43	30	30	30	30	30	30	
	170	55	55	55	49	45	42	41	41	41	41	41	41	27	27	27	27	27	27	
	180	52	52	52	48	44	41	37	37	37	37	37	37	24	24	24	24	24	24	
	200	46	46	46	46	43	40	30	30	30	30	30	30	19	19	19	19	19	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 ICC 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 QMSE-Lag Products

Table 9C		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape					
		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	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 ICC 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 QMSE, QMSC, QMLC 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 ICC 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 QMSE, QMSC, QMLC Products

Table 10B		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape					
		Roof Angle:	27 < θ ≤ 45 degrees											Rafter Species:	Western Cedar					
														Specific Gravity:	0.36					
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	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 ICC 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 QMSE-Lag Products

Table 10C		Roof Height:	0 - 30 feet											Panel Orientation:	Landscape						
		Roof Angle:	27 < θ ≤ 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 ICC 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 QMSE, QMSC, QMLC 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 ICC 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 QMSE, QMSC, QMLC Products

Table 11B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Western Cedar Specific Gravity: 0.36															
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 ICC 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 QMSE-Lag 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 ICC 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 QMSE, QMSC, QMLC 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 ICC 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 QMSE, QMSC, QMLC Products

Table 12B		Roof Height: 0 - 30 feet		Panel Orientation: Landscape															
		Roof Angle: $27 < \theta \leq 45$ degrees		Rafter Species: Western Cedar Specific Gravity: 0.36															
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 ICC 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 QMSE-Lag 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 ICC reports.
2. Panels are assumed to be in landscape orientation with a maximum width of 42"