



11/17/2017

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

RE: Quick Mount PV QBlock Mount System for use with
IronRidge XR10 Roof Flush Mount 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 IronRidge XR10 Rail, Roof Flush Mount 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:

- Starling Madison Lofquist, Inc., IronRidge XR10 Rail, Roof Flush Mounting System – Structural Analysis, March 14, 2016
- 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 IronRidge XR10 Rail, Roof Flush Mount 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 |

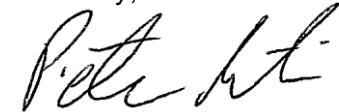
Table 2: QMSE-LAG Roof Mount

| 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 IronRidge XR10 Rail, Roof Flush Mount 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 IronRidge XR10 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.

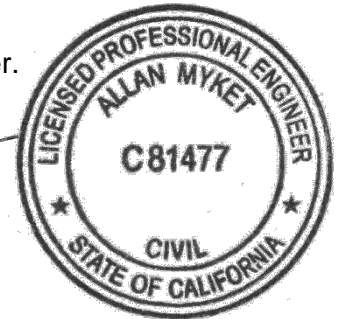
Sincerely,



Peter Martin
Engineer II
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Allan T. Myket, P.E.
President/Founder
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11/28/2017

Structural Enginuity Inc.

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 1A | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 1 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 71 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 66 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 62 | 62 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 70 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 65 | 64 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 60 | 60 | 53 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 56 | 56 | 52 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 53 | 53 | 51 | 46 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| Category D | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 73 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 70 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 64 | 64 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 60 | 60 | 53 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 55 | 55 | 52 | 46 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 52 | 52 | 50 | 46 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 49 | 49 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | 29 | | |
| 170 | 46 | 46 | 46 | 44 | 40 | 37 | 35 | 33 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 1B | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|-------------------|--------|--------------------|---------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 7 < θ ≤ 27 | | Rafter Species: | Western Cedar | | | | | |
| | | Roof Wind Zone: | 1 | | Specific Gravity: | 0.36 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 105 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 110 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 120 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 130 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 140 | 71 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 150 | 66 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 160 | 62 | 62 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 |
| Category C | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 105 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 110 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 120 | 70 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 130 | 65 | 64 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 140 | 60 | 60 | 53 | 48 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 150 | 56 | 56 | 52 | 47 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 160 | 53 | 53 | 51 | 46 | 42 | 39 | 35 | 33 | 31 | 29 |
| Category D | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 105 | 73 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 110 | 70 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 120 | 64 | 64 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 130 | 60 | 60 | 53 | 47 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 140 | 55 | 55 | 52 | 46 | 42 | 39 | 35 | 33 | 31 | 29 |
| | 150 | 52 | 52 | 50 | 46 | 42 | 39 | 35 | 33 | 31 | 29 |
| | 160 | 49 | 49 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | 29 |
| 170 | 46 | 46 | 46 | 44 | 40 | 37 | 35 | 33 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE-Lag Products

| Table 1C | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 1 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 71 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 66 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 62 | 62 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 70 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 65 | 64 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 60 | 60 | 53 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 56 | 56 | 52 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 53 | 53 | 51 | 46 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| Category D | 100 | 75 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 73 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 70 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 64 | 64 | 54 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 60 | 60 | 53 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 55 | 55 | 52 | 46 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 52 | 52 | 50 | 46 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 49 | 49 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | 29 | | |
| 170 | 46 | 46 | 46 | 44 | 40 | 37 | 35 | 33 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 2A | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 2 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 72 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 69 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 66 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 60 | 60 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 56 | 56 | 55 | 145 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 52 | 52 | 52 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 49 | 49 | 49 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 46 | 46 | 46 | 46 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 61 | 61 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 58 | 58 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 51 | 51 | 51 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 48 | 48 | 48 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 44 | 44 | 44 | 44 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 41 | 41 | 41 | 41 | 41 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 39 | 39 | 39 | 39 | 39 | 39 | 35 | 33 | 31 | 29 | | |
| Category D | 100 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 54 | 54 | 54 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 52 | 52 | 52 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 47 | 47 | 47 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 44 | 44 | 44 | 44 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 41 | 41 | 41 | 41 | 41 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 38 | 38 | 38 | 38 | 38 | 38 | 35 | 33 | 31 | 29 | | |
| | 160 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 33 | 31 | 29 | | |
| 170 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 2B | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|---------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Western Cedar | | | | |
| | | Roof Wind Zone: | 2 | | | | | Specific Gravity: | 0.36 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 72 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 69 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 66 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 60 | 60 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 56 | 56 | 55 | 78 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 52 | 52 | 52 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 49 | 49 | 49 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 46 | 46 | 46 | 46 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 61 | 61 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 58 | 58 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 51 | 51 | 51 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 48 | 48 | 48 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 44 | 44 | 44 | 44 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 40 | 40 | 40 | 40 | 40 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 33 | 31 | 29 | | |
| Category D | 100 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 54 | 54 | 54 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 52 | 52 | 52 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 47 | 47 | 47 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 44 | 44 | 44 | 44 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 39 | 39 | 39 | 39 | 39 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 29 | | |
| | 160 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| | 170 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | |

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 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE-Lag Products

| Table 2C | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 2 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 72 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 69 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 66 | 65 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 60 | 60 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 56 | 56 | 55 | 131 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 52 | 52 | 52 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 49 | 49 | 49 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 46 | 46 | 46 | 46 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 61 | 61 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 58 | 58 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 51 | 51 | 51 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 48 | 48 | 48 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 44 | 44 | 44 | 44 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 41 | 41 | 41 | 41 | 41 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 39 | 39 | 39 | 39 | 39 | 39 | 35 | 33 | 31 | 29 | | |
| Category D | 100 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 54 | 54 | 54 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 52 | 52 | 52 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 47 | 47 | 47 | 47 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 44 | 44 | 44 | 44 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 41 | 41 | 41 | 41 | 41 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 38 | 38 | 38 | 38 | 38 | 38 | 35 | 33 | 31 | 29 | | |
| | 160 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 33 | 31 | 29 | | |
| 170 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 3A | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 3 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 59 | 59 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 54 | 54 | 54 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 49 | 49 | 49 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 46 | 46 | 46 | 46 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 42 | 42 | 42 | 42 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 40 | 40 | 40 | 40 | 40 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 37 | 37 | 38 | 38 | 38 | 37 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 50 | 50 | 50 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 48 | 48 | 48 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 45 | 45 | 45 | 45 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 42 | 42 | 42 | 42 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 39 | 39 | 39 | 39 | 39 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 33 | 31 | 29 | | |
| | 150 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 29 | | |
| | 160 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 33 | 31 | 29 | | |
| Category D | 100 | 46 | 46 | 46 | 46 | 43 | 39 | 39 | 29 | 31 | 29 | | |
| | 105 | 44 | 44 | 44 | 44 | 43 | 39 | 39 | 33 | 31 | 29 | | |
| | 110 | 42 | 42 | 42 | 42 | 42 | 39 | 39 | 33 | 31 | 29 | | |
| | 120 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 33 | 31 | 29 | | |
| | 130 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 33 | 31 | 29 | | |
| | 140 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 29 | | |
| | 150 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | | |
| | 160 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| | 170 | 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 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 3B | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|-------------------|--------|--------------------|---------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 7 < θ ≤ 27 | | Rafter Species: | Western Cedar | | | | | |
| | | Roof Wind Zone: | 3 | | Specific Gravity: | 0.36 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 59 | 59 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 105 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 110 | 54 | 54 | 54 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 120 | 49 | 49 | 49 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 130 | 46 | 46 | 46 | 46 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 140 | 42 | 42 | 42 | 42 | 42 | 39 | 35 | 33 | 31 | 29 |
| | 150 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 33 | 31 | 29 |
| | 160 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 31 | 29 |
| Category C | 100 | 50 | 50 | 50 | 49 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 105 | 48 | 48 | 48 | 48 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 110 | 45 | 45 | 45 | 45 | 43 | 39 | 35 | 33 | 31 | 29 |
| | 120 | 41 | 41 | 41 | 41 | 41 | 39 | 35 | 33 | 31 | 29 |
| | 130 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 33 | 31 | 29 |
| | 140 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 29 |
| | 150 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| | 160 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| Category D | 100 | 46 | 46 | 46 | 46 | 43 | 39 | 39 | 29 | 31 | 29 |
| | 105 | 44 | 44 | 44 | 44 | 43 | 39 | 39 | 33 | 31 | 29 |
| | 110 | 41 | 41 | 41 | 41 | 41 | 39 | 39 | 33 | 31 | 29 |
| | 120 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 33 | 31 | 29 |
| | 130 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| | 140 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| | 150 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| | 160 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 170 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | |

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 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE-Lag Products

| Table 3C | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|---------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 7 < θ ≤ 27 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 3 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 59 | 59 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 56 | 56 | 55 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 54 | 54 | 54 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 49 | 49 | 49 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 46 | 46 | 46 | 46 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 42 | 42 | 42 | 42 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 150 | 40 | 40 | 40 | 40 | 40 | 39 | 35 | 33 | 31 | 29 | | |
| | 160 | 37 | 37 | 38 | 38 | 38 | 37 | 35 | 33 | 31 | 29 | | |
| Category C | 100 | 50 | 50 | 50 | 49 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 105 | 48 | 48 | 48 | 48 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 110 | 45 | 45 | 45 | 45 | 43 | 39 | 35 | 33 | 31 | 29 | | |
| | 120 | 42 | 42 | 42 | 42 | 42 | 39 | 35 | 33 | 31 | 29 | | |
| | 130 | 39 | 39 | 39 | 39 | 39 | 39 | 35 | 33 | 31 | 29 | | |
| | 140 | 36 | 36 | 36 | 36 | 36 | 36 | 35 | 33 | 31 | 29 | | |
| | 150 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 29 | | |
| | 160 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 33 | 31 | 29 | | |
| Category D | 100 | 46 | 46 | 46 | 46 | 43 | 39 | 39 | 29 | 31 | 29 | | |
| | 105 | 44 | 44 | 44 | 44 | 43 | 39 | 39 | 33 | 31 | 29 | | |
| | 110 | 42 | 42 | 42 | 42 | 42 | 39 | 39 | 33 | 31 | 29 | | |
| | 120 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 33 | 31 | 29 | | |
| | 130 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 33 | 31 | 29 | | |
| | 140 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 31 | 29 | | |
| | 150 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | | |
| | 160 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | | |
| | 170 | 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 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 4A | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 1 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 140 | 61 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 150 | 58 | 57 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 | | |
| | 160 | 55 | 55 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 120 | 60 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 130 | 57 | 56 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| | 140 | 54 | 54 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 | | |
| | 150 | 51 | 51 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 | | |
| | 160 | 48 | 48 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 | | |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 60 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 120 | 56 | 56 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| | 130 | 53 | 53 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 | | |
| | 140 | 50 | 50 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 | | |
| | 150 | 47 | 47 | 45 | 41 | 39 | 37 | 35 | 33 | 32 | 31 | | |
| | 160 | 45 | 45 | 43 | 40 | 38 | 36 | 34 | 33 | 31 | 30 | | |
| | 170 | 43 | 43 | 41 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 4B | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|--------------------|--------|--------------------|-------------------------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 27 < θ ≤ 45 | | degrees | Rafter Species: Western Cedar | | | | | |
| | | Roof Wind Zone: | 1 | | Specific Gravity: | 0.36 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 140 | 61 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 150 | 58 | 57 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 |
| | 160 | 55 | 55 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 60 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 130 | 57 | 56 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 140 | 54 | 54 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 150 | 51 | 51 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 |
| | 160 | 48 | 48 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 60 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 120 | 56 | 56 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 130 | 53 | 53 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 |
| | 140 | 50 | 50 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 |
| | 150 | 47 | 47 | 45 | 41 | 39 | 37 | 35 | 33 | 32 | 31 |
| | 160 | 45 | 45 | 43 | 40 | 38 | 36 | 34 | 33 | 31 | 30 |
| 170 | 43 | 43 | 41 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE-Lag Products

| Table 4C | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 1 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 140 | 61 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 150 | 58 | 57 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 | | |
| | 160 | 55 | 55 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 120 | 60 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 130 | 57 | 56 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| | 140 | 54 | 54 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 | | |
| | 150 | 51 | 51 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 | | |
| | 160 | 48 | 48 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 | | |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 60 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 120 | 56 | 56 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| | 130 | 53 | 53 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 | | |
| | 140 | 50 | 50 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 | | |
| | 150 | 47 | 47 | 45 | 41 | 39 | 37 | 35 | 33 | 32 | 31 | | |
| | 160 | 45 | 45 | 43 | 40 | 38 | 36 | 34 | 33 | 31 | 30 | | |
| | 170 | 43 | 43 | 41 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 5A | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------------------|-------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | Rafter Species: | Douglas Fir | | | | | |
| | | Roof Wind Zone: | 2 | | Specific Gravity: | 0.50 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 140 | 60 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 150 | 56 | 56 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 |
| | 160 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 130 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 140 | 51 | 51 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 150 | 48 | 48 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 |
| | 160 | 45 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 120 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 130 | 51 | 51 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 |
| | 140 | 47 | 47 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 |
| | 150 | 44 | 44 | 44 | 41 | 39 | 37 | 35 | 33 | 32 | 31 |
| | 160 | 42 | 42 | 42 | 40 | 38 | 36 | 34 | 33 | 31 | 30 |
| 170 | 39 | 39 | 39 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 5B | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------------------|---------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | Rafter Species: | Western Cedar | | | | | |
| | | Roof Wind Zone: | 2 | | Specific Gravity: | 0.36 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 140 | 60 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 150 | 56 | 56 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 |
| | 160 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 130 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 140 | 51 | 51 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 150 | 48 | 48 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 |
| | 160 | 45 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 120 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 130 | 51 | 51 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 |
| | 140 | 47 | 47 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 |
| | 150 | 44 | 44 | 44 | 41 | 39 | 37 | 35 | 33 | 32 | 31 |
| | 160 | 42 | 42 | 42 | 40 | 38 | 36 | 34 | 33 | 31 | 30 |
| | 170 | 37 | 37 | 37 | 37 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE-Lag Products

| Table 5C | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------------------|-------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | Rafter Species: | Douglas Fir | | | | | |
| | | Roof Wind Zone: | 2 | | Specific Gravity: | 0.50 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 140 | 60 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 150 | 56 | 56 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 |
| | 160 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 130 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 140 | 51 | 51 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 150 | 48 | 48 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 |
| | 160 | 45 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 120 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 130 | 51 | 51 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 |
| | 140 | 47 | 47 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 |
| | 150 | 44 | 44 | 44 | 41 | 39 | 37 | 35 | 33 | 32 | 31 |
| | 160 | 42 | 42 | 42 | 40 | 38 | 36 | 34 | 33 | 31 | 30 |
| 170 | 39 | 39 | 39 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 6A | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------------------|-------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | Rafter Species: | Douglas Fir | | | | | |
| | | Roof Wind Zone: | 3 | | Specific Gravity: | 0.50 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 140 | 60 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 150 | 56 | 56 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 |
| | 160 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 130 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 140 | 51 | 51 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 150 | 48 | 48 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 |
| | 160 | 45 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 120 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 130 | 51 | 51 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 |
| | 140 | 47 | 47 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 |
| | 150 | 44 | 44 | 44 | 41 | 39 | 37 | 35 | 33 | 32 | 31 |
| | 160 | 42 | 42 | 42 | 40 | 38 | 36 | 34 | 33 | 31 | 30 |
| 170 | 39 | 39 | 39 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE, QMSC, QMLC Products

| Table 6B | | Roof Height: | 0-30 ft | | Panel Orientation: | Portrait | | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------------------|---------------|--------|--------|--------|--------|--------|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | Rafter Species: | Western Cedar | | | | | |
| | | Roof Wind Zone: | 3 | | Specific Gravity: | 0.36 | | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 140 | 60 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 150 | 56 | 56 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 |
| | 160 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 120 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 130 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 140 | 51 | 51 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 |
| | 150 | 48 | 48 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 |
| | 160 | 45 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 |
| | 110 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 |
| | 120 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 |
| | 130 | 51 | 51 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 |
| | 140 | 47 | 47 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 |
| | 150 | 44 | 44 | 44 | 41 | 39 | 37 | 35 | 33 | 32 | 31 |
| | 160 | 42 | 42 | 42 | 40 | 38 | 36 | 34 | 33 | 31 | 30 |
| | 170 | 37 | 37 | 37 | 37 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"

Rail Spans for IronRidge Series XR10 Roof Mount for use with QMSE-Lag Products

| Table 6C | | Roof Height: | 0-30 ft | | | | | Panel Orientation: | Portrait | | | | |
|-----------------|------------|------------------|----------------------------|--------|--------|--------|--------|--------------------|-------------|--------|--------|--|--|
| | | Roof Angle: | 27 < θ ≤ 45 degrees | | | | | Rafter Species: | Douglas Fir | | | | |
| | | Roof Wind Zone: | 3 | | | | | Specific Gravity: | 0.50 | | | | |
| XR10 Rail | Wind Speed | Ground Snow Load | | | | | | | | | | | |
| Exposure | mph | 0 psf | 10 psf | 20 psf | 30 psf | 40 psf | 50 psf | 60 psf | 70 psf | 80 psf | 90 psf | | |
| Category B | 100 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 72 | 66 | 57 | 51 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 71 | 65 | 57 | 50 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 120 | 67 | 63 | 55 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 130 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 140 | 60 | 59 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 150 | 56 | 56 | 51 | 46 | 43 | 40 | 37 | 35 | 33 | 31 | | |
| | 160 | 53 | 53 | 49 | 45 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| Category C | 100 | 68 | 63 | 55 | 50 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 66 | 62 | 54 | 49 | 45 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 120 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 130 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| | 140 | 51 | 51 | 48 | 44 | 41 | 39 | 37 | 35 | 33 | 31 | | |
| | 150 | 48 | 48 | 47 | 43 | 40 | 38 | 36 | 34 | 33 | 31 | | |
| | 160 | 45 | 45 | 45 | 42 | 39 | 37 | 35 | 33 | 32 | 31 | | |
| Category D | 100 | 64 | 61 | 54 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 105 | 62 | 60 | 53 | 48 | 44 | 41 | 38 | 35 | 33 | 31 | | |
| | 110 | 59 | 58 | 52 | 47 | 43 | 40 | 38 | 35 | 33 | 31 | | |
| | 120 | 55 | 55 | 50 | 46 | 42 | 39 | 37 | 35 | 33 | 31 | | |
| | 130 | 51 | 51 | 48 | 44 | 41 | 39 | 36 | 35 | 33 | 31 | | |
| | 140 | 47 | 47 | 46 | 43 | 40 | 38 | 36 | 34 | 32 | 31 | | |
| | 150 | 44 | 44 | 44 | 41 | 39 | 37 | 35 | 33 | 32 | 31 | | |
| | 160 | 42 | 42 | 42 | 40 | 38 | 36 | 34 | 33 | 31 | 30 | | |
| | 170 | 39 | 39 | 39 | 39 | 37 | 35 | 33 | 32 | 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 ICC reports.
2. Panels are assumed to be in portrait orientation with a maximum length of 67.5"