



September 4, 2019

SnapNrack
775 Fiero Lane, Ste. 200
San Luis Obispo, CA 93401
TEL: (877) 732-2860

Attn.: SnapNrack - Engineering Department

Subject: Report # 2017-03227.12 – Engineering Certification and Span Tables for 3-rail installations using the SnapNrack Ultra Rail Solar Photovoltaic Racking System

PZSE, Inc. – Structural Engineers has reviewed and analyzed the SnapNrack Ultra Rail Racking System, a proprietary mounting system constructed from modular parts, which is intended for rooftop installation of solar photovoltaic (PV) panels; and has provided the attached span tables. This review included the complete system including the “UR-40” aluminum rail (6005-T56 alloy), attachment devices, splice elements, and PV Panels. All information, data, and analysis contained within are based on, and comply with, the following building codes and typical specifications:

Building Codes:

1. ASCE/SEI 7-10, Minimum Design Loads for Buildings and Other Structures, by American Society of Civil Engineers
2. 2015 International Building Code, by International Code Council, Inc.
3. 2015 International Residential Code, by International Code Council, Inc.
4. AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, November 1, 2012 by ICC-ES
5. Aluminum Design Manual 2015, by The Aluminum Association, Inc.
6. ANSI/AWC NDS-2015, National Design Specification for Wood Construction, by the American Wood Council

Design Criteria: Risk Category II; Seismic Design Category = A - E

Wind Loads: Basic Wind Speed (ultimate) per ASCE 7-10 = 110 mph to 190 mph. Includes roof pitches from 0° to 90°, up to 60 feet mean roof height, and exposure categories B, C, & D. Parapets, roof overhangs, and topographic wind speed adjustment have not been considered. See Appendix A for conversion to Service-level wind speeds per ASCE 7-05.

Snow Loads: Ground Snow Load = 0 to 120 (psf). Spans are based on the sloped roof snow load (Ps) corresponding to each ground snow load. See Appendix B to adjust span tables for non-reducible snow loads.

PV Modules: All solar PV modules with metal frames. “60-Cell” tables are applicable for modules up to 5’-6” (66”) long; “72-Cell” tables are applicable for modules up to 6’-6” (78”) long; and “Landscape” tables are applicable for modules up to 3’ 4-1/2” (40-1/2”) long in the narrow direction. Module length is defined to be perpendicular to the rail, regardless of panel orientation.

If you have any questions, do not hesitate to call.

Prepared by:
PZSE, Inc. – Structural Engineers
Roseville, CA



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Ultra Rail Racking System with UR-40 Rail:

The SnapNrack Ultra Rail Racking System is intended for the rooftop installation of solar photovoltaic modules and is constructed from an assortment of modular parts as described in this report and shown in the attached details.

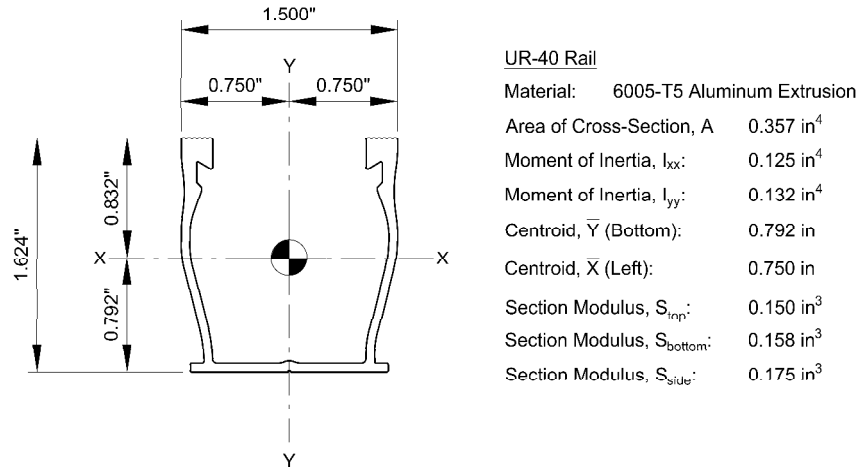


Figure 1: Diagram of UR-40 Rail Profile Covered by This Report (with Section Properties)

Flush-Mount System Geometry Limitations:

Flush-Mounted PV modules are designed per the Components and Cladding provisions of ASCE 7. Flush-Mounted PV modules shall be oriented parallel to the plane of the roof surface, and shall be located between 2" to 10" clear from the surface of the roof to the PV module. The maximum cantilever length of the rail is L/3, where "L" is the maximum rail span after adjustments, provided there is at least 1 module length between maximum cantilevers.

These span tables have been prepared for installations utilizing 3 rails. The rails shall be evenly distributed under the modules they support, with consideration of industry standard tolerances. Space between the rails shall be equal to 1/3 of the module length, and the module overhang shall be equal to 1/6 of the module length (Module length is perpendicular to the rail). For installations utilizing the Tile Replacement or Tile Hook attachment devices the sum of the cantilever length on both ends of the module shall be equal to 1/3 of the module length.

Attachment to Roof:

The attached span tables include consideration of the attachment device capacity, based on UL 2703 load testing performed by SnapNrack. Tested load values are developed with 5/16" Ø lag screws with an effective embedment of 2-1/2" into a Douglas Fir substrate, with a reference withdrawal (uplift or pullout) load capacity of 532 lb, and a reference shear (side or lateral) load capacity of 270 lb for resisting short-term wind or seismic loads. Reference values are the base values, before any adjustment is made per the NDS. Installations into alternate substrates or which use alternate fasteners shall be permitted; provided that the fastener has tested or code-derived allowable load capacities, and meets one of the following two criteria: A) The allowable load values for the alternate fastener shall meet or exceed the allowable values noted above for the 5/16" Ø lag screws in Douglas Fir; or B) the span length identified in the "span tables" shall be reduced according to the more restrictive of the following two formulas:

$$\text{Rail Span} = \text{Table Span} * \frac{\text{Alternate Reference Withdrawal Capacity}}{532 \text{ lb}}$$

Or

$$\text{Rail Span} = \text{Table Span} * \frac{\text{Alternate Reference Shear Capacity}}{270 \text{ lb}}$$

These formulas shall not be used to increase the allowable span beyond the spans listed in the span tables.

Attachment Devices:

The Flush-mount span tables have been grouped into sets of attachment devices called “Bins”, which are presented in the table below. To use this table, find the attachment device to be used in the list below, then read across to determine which bin the attachment is in. The spans may then be determined from the table with the corresponding Bin number. Structural details for the system and attachments may be found in Appendix D. Note: Side load direction is parallel to rafter.

Attachment Device Name	Detail Reference	Bin No.	Maximum Design Load			
			Uplift	Down	Side	Lateral
Ultra Rail Flush-Mount, Standard Base Seam Clamp with L-Foot †	SNR-DC-00342	1	598.4	461.8	275.7	275.7
Ultra Rail Flush-Mount, Wide Base Seam Clamp with L-Foot †	SNR-DC-00342					
Ultra Rail Flush-Mount, Flat Tile Hook	SNR-DC-00346	2	318.3	394	500	500
Ultra Rail Flush-Mount, Universal Tile Hook	SNR-DC-00347		344	423.1	416.7	416.7
Ultra Rail Flush-Mount, Hanger Bolt Clamp	SNR-DC-00354		397.3	460.9	500	500
Ultra Rail Flush-Mount, Flashed L-Foot (92 Deg)	SNR-DC-00340	3	309.4	1468.7	251.4	251.4
Ultra Rail Flush-Mount, Tile Replacement	SNR-DC-00341	4	444.7	1333.3	119.4	119.4
Ultra Rail Flush-Mount, All Purpose L-Foot (90 Deg)	SNR-DC-00340	5	444.7	1468.7	259.3	259.3
Ultra Rail Flush-Mount, Corrugated Straddle Block with L-Foot	SNR-DC-00343		444.7	1468.7	323.6	323.6
Ultra Rail Flush-Mount, Metal Roof Base with L-Foot	SNR-DC-00344 SNR-DC-00345		444.7	1468.7	446.6	446.6
Ultra Rail Flush-Mount, Metal Roof Base with 7 in Standoff	SNR-DC-00352 SNR-DC-00353		416.1	788.2	285.9	285.9
Ultra Rail Flush-Mount, 1-Hole Base with 5-1/2 in, 7 in, or 8-1/2 in Standoff	SNR-DC-00348 SNR-DC-00349		444.7	788.2	264.8	264.8
Ultra Rail Flush-Mount, 4-Hole Base with 5-1/2 in Standoff	SNR-DC-00350 SNR-DC-00357 SNR-DC-00358 SNR-DC-00359		444.7	788.2	222.3	222.3
Ultra Rail Flush-Mount, 6-Hole Base with 7 in HD Standoff	SNR-DC-00351		405.2	788.2	213	213
Ultra Rail Flush-Mount, 4-Hole Base with 8-1/2 in Standoff	SNR-DC-00350	6	444.7	788.2	136.3	136.3
Ultra Rail Flush-Mount, Tile Roof Hook F	SNR-DC-00356	7	848.7	500 *	554.1	554.1
Ultra Rail Flush-Mount, Tile Roof Hook WS	SNR-DC-00355		820.3	500 *	429.9	429.9
Ultra Rail Flush-Mount, Umbrella L-Foot	SNR-DC-00339	8	802.2	1333.3	356.7	356.7

Table 1: Allowable load capacities of SnapNrack Flush-Mount attachment devices when used with the UR-60 rail. The lowest load value in each Bin (bold value) is used for calculation of the corresponding span table.

† Seam clamp load values are the lower of the racking system capacity, clamp slip strength, and seam rupture; based on testing performed with the clamp installed on representative panels of both 24ga steel and .032” (20ga) aluminum. Installation on thicker/stronger panels is permitted. Fastening or attachment of standing seam roof panels to the roof structure has not been evaluated.

* In order to reduce the chance for breaking roof tiles, SnapNrack recommends limiting downforce reaction load of the tile hook devices in Bin 7 to a maximum of 333 lb.

Components and Cladding Roof Zones:

The Edge Zones of the roof shall be determined based on the building's dimensions using Figure 2 below. The Edge Zone, "a", is the smaller of 10% of the least horizontal dimension, or 40% of the building height, and "a" shall not be taken as less than 3 feet (ASCE 7-10 figures 30.4-1 & 30.4-2). For buildings exceeding a least horizontal dimension of 60 feet, further analysis may be required to determine proper Edge Zones. Edge and Corner Zone spacings (Zone 2 & 3, respectively) apply only to mounts located in those Zones, not to all the mounts supporting the module. For the 45-90 degree roof pitch range, mount spacings shall be determined utilizing roof zones 1, 2, & 3.

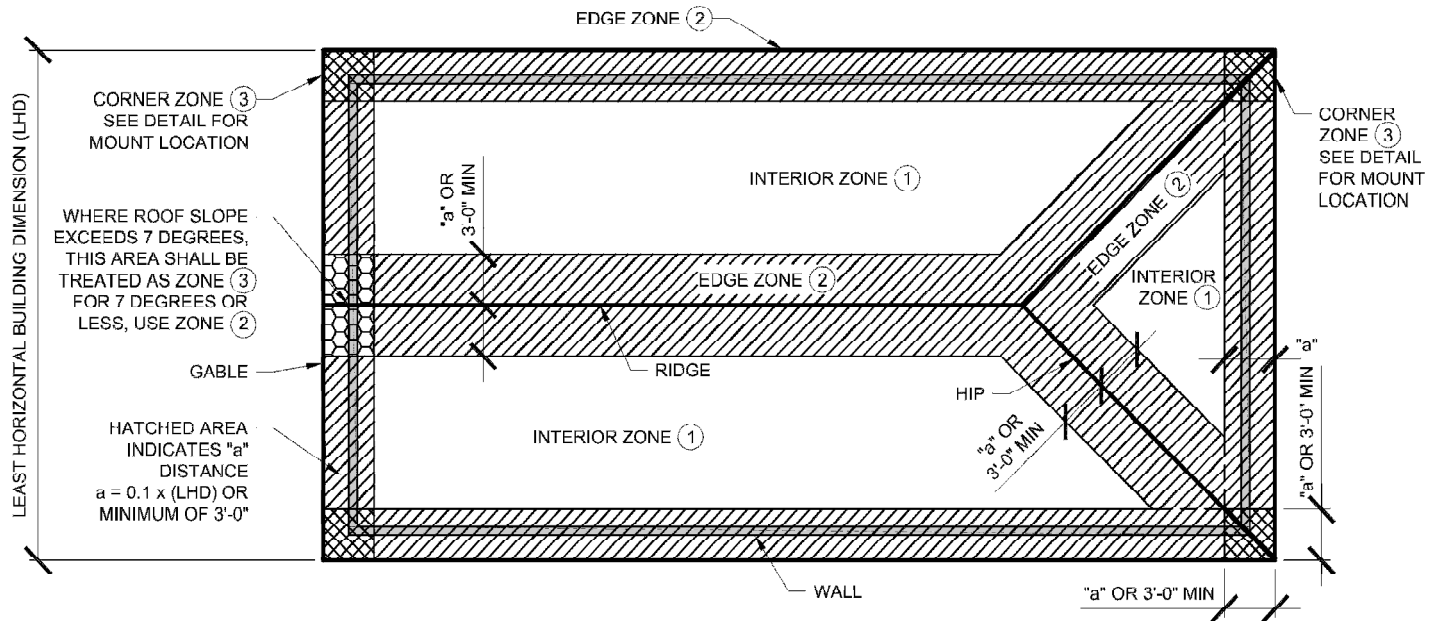


Figure 1: Roof Edge and Corner Zones

Design Responsibility:

These tables are intended to be used under the responsible charge of a registered design professional where required by the authority having jurisdiction. In all cases, these tables should be used under the direction of a design professional with sufficient structural engineering knowledge and experience to be able to:

- Evaluate whether these tables are applicable to the project, and
- Understand and determine the appropriate values for all input parameters of these tables.

This letter certifies that the SnapNrack Ultra Rail Flush-Mount Racking System, when installed according to the limitations of this letter and the attached span tables, is in compliance with the above codes and loading criteria. This certification excludes 1) evaluation of the building structure to support the loads imposed on the building by the array; including, but not limited to: strength and deflection of structural framing members, fastening and/or strength of roofing materials, and/or the effects of snow accumulation on the roof; and 2) excludes effects on building structural and architectural components. This requires additional knowledge of the building and is outside the scope of the certification of this racking system.

Maximum Rail Spans (Inches)															SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 1 3-Rail -- 60-Ceil														
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph												
30 psf	B	0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 73	75 / 75 / 73	75 / 75 / 69	75 / 75 / 67	75 / 75 / 66	75 / 75 / 64	75 / 73 / 61	75 / 72 / 59	75 / 69 / 56	75 / 66 / 53	75 / 63 / 50												
		7 to 27	All Mounts	78 / 78 / 78	78 / 78 / 78	78 / 78 / 77	78 / 78 / 75	78 / 78 / 73	78 / 78 / 71	78 / 78 / 69	78 / 78 / 67	78 / 78 / 66	78 / 78 / 64	78 / 73 / 62	78 / 70 / 58	77 / 67 / 55	76 / 64 / 52												
		27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 90 / 90	89 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 84 / 84	84 / 82 / 82	82 / 79 / 79	80 / 76 / 76	77 / 73 / 73												
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69												
		0 to 7	All Mounts	75 / 75 / 73	75 / 75 / 69	75 / 75 / 67	75 / 75 / 64	75 / 72 / 62	75 / 72 / 60	75 / 70 / 57	74 / 68 / 55	74 / 63 / 51	74 / 59 / 47	74 / 53 / 46	73 / 50 / 47	72 / 56 / 44	69 / 52 / 42												
	C	7 to 27	All Mounts	78 / 78 / 73	78 / 78 / 71	78 / 78 / 68	78 / 77 / 67	78 / 75 / 64	78 / 73 / 62	78 / 71 / 59	78 / 69 / 57	77 / 67 / 54	76 / 63 / 51	75 / 61 / 49	74 / 59 / 47	74 / 57 / 46	72 / 54 / 43												
		27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 90 / 90	89 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 84 / 84	84 / 82 / 82	82 / 79 / 79	80 / 76 / 76	77 / 73 / 73												
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69												
		0 to 7	All Mounts	75 / 75 / 67	75 / 75 / 64	75 / 75 / 62	75 / 73 / 61	75 / 70 / 57	75 / 68 / 55	75 / 66 / 53	75 / 64 / 51	74 / 58 / 47	74 / 53 / 46	73 / 50 / 47	72 / 66 / 66	71 / 65 / 63	67 / 59 / 59												
		7 to 27	All Mounts	80 / 80 / 69	80 / 77 / 66	80 / 75 / 64	80 / 73 / 61	80 / 71 / 59	80 / 69 / 57	79 / 67 / 54	78 / 65 / 53	78 / 63 / 51	77 / 61 / 49	76 / 59 / 47	75 / 54 / 43	74 / 51 / 41	68 / 48 / 37												
35 psf	D	27 to 45	All Mounts	89 / 89 / 89	88 / 87 / 87	86 / 84 / 84	85 / 82 / 82	83 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59												
		45 to 90	All Mounts	91 / 91 / 91	90 / 88 / 88	88 / 84 / 84	86 / 80 / 80	84 / 82 / 82	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59												
		0 to 7	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 69	72 / 72 / 67	72 / 72 / 66	72 / 72 / 64	72 / 72 / 61	72 / 72 / 59	72 / 69 / 56	72 / 66 / 53	72 / 63 / 50												
		7 to 27	All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 73	76 / 76 / 71	76 / 76 / 69	76 / 76 / 67	76 / 76 / 66	76 / 76 / 64	76 / 73 / 62	76 / 70 / 58	76 / 70 / 56	74 / 64 / 52												
		27 to 45	All Mounts	89 / 89 / 89	89 / 89 / 89	89 / 89 / 89	89 / 89 / 88	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	81 / 79 / 79	79 / 76 / 76	77 / 73 / 73												
	C	0 to 7	All Mounts	72 / 72 / 69	72 / 72 / 67	72 / 72 / 64	72 / 72 / 62	72 / 72 / 60	72 / 72 / 57	72 / 72 / 55	72 / 68 / 55	72 / 67 / 53	72 / 66 / 52	72 / 65 / 50	72 / 59 / 47	72 / 56 / 44	69 / 52 / 42												
		7 to 27	All Mounts	76 / 76 / 73	76 / 76 / 71	76 / 76 / 68	76 / 76 / 67	76 / 75 / 64	76 / 73 / 62	76 / 71 / 59	76 / 70 / 57	75 / 68 / 55	75 / 66 / 54	75 / 63 / 52	73 / 61 / 49	72 / 57 / 46	71 / 54 / 43												
		27 to 45	All Mounts	89 / 89 / 89	88 / 88 / 88	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 78 / 78	79 / 77 / 77	78 / 75 / 75	77 / 73 / 73	75 / 70 / 70	72 / 67 / 67	69 / 64 / 64												
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69												
		0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 69	70 / 70 / 67	70 / 70 / 64	70 / 70 / 62	70 / 70 / 60	70 / 67 / 53	70 / 65 / 52	70 / 63 / 50	70 / 61 / 49	70 / 59 / 47	70 / 56 / 45	70 / 54 / 43	68 / 51 / 41												
40 psf	D	7 to 27	All Mounts	74 / 74 / 73	74 / 74 / 71	74 / 74 / 68	74 / 74 / 67	74 / 74 / 64	74 / 73 / 62	74 / 71 / 59	74 / 70 / 57	73 / 68 / 55	73 / 66 / 54	73 / 61 / 49	71 / 61 / 49	71 / 57 / 46	70 / 54 / 43												
		27 to 45	All Mounts	88 / 88 / 88	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	78 / 77 / 77	77 / 75 / 75	76 / 73 / 73	74 / 70 / 70	72 / 67 / 67	69 / 64 / 64												
		45 to 90	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59												
		0 to 7	All Mounts	72 / 72 / 67	72 / 72 / 64	72 / 72 / 62	72 / 71 / 59	72 / 70 / 57	72 / 68 / 55	72 / 66 / 53	72 / 64 / 51	72 / 61 / 49	72 / 59 / 47	72 / 56 / 45	70 / 52 / 42	68 / 50 / 39	65 / 48 / 37												
		7 to 27	All Mounts	76 / 76 / 69	76 / 76 / 66	76 / 75 / 64	76 / 73 / 61	76 / 71 / 59	76 / 69 / 57	75 / 67 / 54	74 / 65 / 53	74 / 63 / 51	73 / 61 / 49	72 / 59 / 47	70 / 56 / 45	68 / 52 / 42	64 / 50 / 39												
	C	27 to 45	All Mounts	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 78 / 78	78 / 76 / 76	77 / 74 / 74	76 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59												
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 58 / 58	61 / 54 / 54												
		0 to 7	All Mounts	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 66	67 / 67 / 66	67 / 67 / 64	67 / 67 / 61	67 / 67 / 56	67 / 66 / 53	67 / 63 / 50													
		7 to 27	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 71	72 / 72 / 69	72 / 72 / 66	72 / 72 / 66	72 / 72 / 64	72 / 72 / 64	72 / 70 / 58	71 / 67 / 55	71 / 64 / 52												
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	78 / 78 / 78	77 / 76 / 76	75 / 73 / 73												
45 psf	D	7 to 27	All Mounts	72 / 72 / 67	72 / 72 / 64	72 / 72 / 62	72 / 72 / 60	72 / 72 / 57	72 / 72 / 55	72 / 68 / 55	72 / 67 / 53	72 / 66 / 52	72 / 65 / 50	70 / 61 / 49	69 / 57 / 46	67 / 52 / 43													
		27 to 45	All Mounts	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 75 / 75	75 / 73 / 73	73 / 70 / 70	71 / 67 / 67	69 / 64 / 64												
		45 to 90	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59												
		0 to 7	All Mounts	70 / 70 / 67	70 / 70 / 66	70 / 70 / 62	70 / 70 / 59	70 / 70 / 57	70 / 67 / 53	70 / 65 / 52	70 / 64 / 51	70 / 61 / 49	70 / 59 / 47	70 / 56 / 45	70 / 54 / 43	68 / 51 / 41	65 / 48 / 37												
		7 to 27	All Mounts	74 / 74 / 69	74 / 74 / 66	74 / 74 / 64	74 / 73 / 61	74 / 71 / 59	74 / 69 / 57	73 / 67 / 54	73 / 65 / 53	72 / 63 / 51	72 / 61 / 49	71 / 59 / 47	70 / 56 / 45	68 / 52 / 42	67 / 50 / 39												
	C	27 to 45	All Mounts	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	78 / 76 / 76	76 / 74 / 74	75 / 72 / 72	74 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59												
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 58 / 58	61 / 54 / 54												
		0 to 7	All Mounts	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64												
50 psf	D	7 to 27	All Mounts	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84												
		27 to 45	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69												
		45 to 90	All Mounts	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64												
		0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70												
		7 to 27	All Mounts	74 / 74 / 69	74 / 74 / 66	74 / 74 / 64	74 / 73 / 61	74 / 71 / 59	74 / 69 / 57	73 / 67 / 54	73 / 65 / 53	72 / 63 / 51	72 / 61 / 49	71 / 59 / 47	70 / 56 / 45	68 / 52 / 42	67 / 50 / 39												
	C	27 to 45	All Mounts	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84												
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 /																

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)				SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 2 3-Rail -- 60-Cell																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
30 psf	B	0 to 7	All Mounts	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 66	73 / 73 / 61	73 / 73 / 57	73 / 73 / 53	73 / 73 / 49	73 / 72 / 46	73 / 68 / 43	73 / 60 / 38	73 / 53 / 34	73 / 48 / 30			
		7 to 27	All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 75	76 / 76 / 73	76 / 76 / 71	76 / 76 / 67	76 / 76 / 61	76 / 76 / 57	76 / 75 / 53	76 / 74 / 49	76 / 71 / 46	76 / 64 / 41	76 / 56 / 36	75 / 50 / 32			
		27 to 45	All Mounts	89 / 89 / 89	89 / 89 / 89	89 / 89 / 89	89 / 89 / 89	89 / 89 / 89	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	82 / 80 / 80	80 / 77 / 77	78 / 74 / 74	75 / 71 / 71			
		45 to 90	All Mounts	96 / 96 / 96	96 / 95 / 95	96 / 93 / 93	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 76 / 76	79 / 73 / 73	76 / 68 / 68	73 / 61 / 61			
		0 to 7	All Mounts	73 / 73 / 66	73 / 73 / 55	73 / 73 / 55	73 / 73 / 51	73 / 72 / 47	73 / 69 / 43	73 / 64 / 40	73 / 59 / 37	73 / 55 / 35	73 / 51 / 32	73 / 48 / 30	73 / 42 / 27	70 / 36 / 24	62 / 34 / 21			
		7 to 27	All Mounts	76 / 76 / 71	76 / 76 / 65	76 / 76 / 59	76 / 75 / 55	76 / 73 / 51	76 / 71 / 46	76 / 67 / 43	76 / 62 / 40	76 / 58 / 37	75 / 54 / 33	75 / 51 / 33	73 / 45 / 29	72 / 40 / 26	69 / 35 / 23			
35 psf	C	27 to 45	All Mounts	89 / 89 / 89	87 / 87 / 87	86 / 86 / 86	84 / 84 / 84	83 / 83 / 83	82 / 80 / 80	81 / 78 / 78	80 / 74 / 74	78 / 72 / 72	77 / 75 / 75	76 / 71 / 71	73 / 64 / 64	68 / 57 / 48	61 / 51 / 43			
		45 to 90	All Mounts	93 / 87 / 87	90 / 85 / 85	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 70 / 70	75 / 65 / 65	73 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		0 to 7	All Mounts	72 / 72 / 56	72 / 72 / 51	72 / 72 / 46	72 / 68 / 42	72 / 62 / 39	72 / 57 / 36	72 / 52 / 34	72 / 47 / 29	72 / 43 / 27	72 / 40 / 25	66 / 35 / 22	58 / 31 / 20	52 / 28 / 18				
		7 to 27	All Mounts	76 / 76 / 60	76 / 75 / 54	76 / 73 / 50	76 / 71 / 46	76 / 66 / 42	76 / 61 / 39	75 / 56 / 36	74 / 52 / 34	74 / 49 / 31	73 / 45 / 29	73 / 43 / 27	71 / 38 / 24	65 / 33 / 21	58 / 30 / 19			
		27 to 45	All Mounts	86 / 86 / 86	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 78 / 78	79 / 76 / 76	78 / 73 / 73	78 / 71 / 71	76 / 68 / 68	74 / 63 / 63	72 / 59 / 59	70 / 55 / 55	68 / 51 / 51	65 / 45 / 45	52 / 40 / 40		
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 68 / 68	74 / 63 / 63	72 / 59 / 59	70 / 55 / 55	68 / 51 / 51	65 / 45 / 45	52 / 40 / 40	46 / 36 / 36			
40 psf	C	0 to 7	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 66	68 / 68 / 61	68 / 68 / 57	68 / 68 / 53	68 / 68 / 49	68 / 68 / 45	68 / 68 / 41	68 / 60 / 38	68 / 56 / 34	68 / 50 / 32			
		7 to 27	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 66	72 / 72 / 61	72 / 72 / 57	72 / 72 / 53	72 / 72 / 49	72 / 72 / 45	72 / 71 / 46	72 / 64 / 41	71 / 56 / 36	71 / 50 / 32			
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75		
		45 to 90	All Mounts	96 / 96 / 96	96 / 95 / 95	96 / 93 / 93	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 76 / 76	79 / 73 / 73	76 / 68 / 68	73 / 61 / 61			
		0 to 7	All Mounts	68 / 68 / 66	68 / 68 / 61	68 / 68 / 56	68 / 68 / 51	68 / 68 / 46	68 / 68 / 41	68 / 68 / 36	68 / 68 / 31	68 / 68 / 26	68 / 68 / 21	68 / 60 / 16	67 / 53 / 11	66 / 47 / 6	63 / 41 / 1			
		7 to 27	All Mounts	72 / 72 / 60	72 / 72 / 54	72 / 72 / 50	72 / 72 / 46	72 / 72 / 42	72 / 67 / 38	72 / 62 / 34	72 / 58 / 30	72 / 54 / 26	72 / 50 / 22	71 / 46 / 18	71 / 41 / 14	70 / 37 / 10	69 / 33 / 7			
45 psf	B	27 to 45	All Mounts	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74	73 / 73 / 73	72 / 72 / 72			
		45 to 90	All Mounts	93 / 87 / 87	90 / 85 / 85	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 70 / 70	75 / 65 / 65	73 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		0 to 7	All Mounts	70 / 70 / 56	70 / 70 / 51	70 / 70 / 46	70 / 68 / 42	70 / 62 / 39	70 / 57 / 36	70 / 53 / 34	70 / 49 / 31	70 / 46 / 29	70 / 43 / 27	70 / 40 / 25	66 / 35 / 22	58 / 31 / 20	52 / 28 / 18			
		7 to 27	All Mounts	74 / 74 / 60	74 / 74 / 54	74 / 74 / 50	74 / 71 / 46	74 / 66 / 42	74 / 61 / 39	73 / 56 / 36	73 / 52 / 34	72 / 49 / 31	71 / 45 / 29	71 / 43 / 27	70 / 38 / 24	65 / 33 / 21	58 / 30 / 19			
		27 to 45	All Mounts	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	78 / 78 / 78	76 / 76 / 76	74 / 74 / 74	72 / 72 / 72	74 / 69 / 69	73 / 65 / 65	72 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 68 / 68	74 / 63 / 63	72 / 59 / 59	70 / 55 / 55	68 / 51 / 51	65 / 45 / 45	52 / 40 / 40	46 / 36 / 36			
50 psf	C	27 to 45	All Mounts	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	78 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 70 / 70	75 / 65 / 65	73 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		45 to 90	All Mounts	93 / 87 / 87	90 / 85 / 85	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 70 / 70	75 / 65 / 65	73 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		0 to 7	All Mounts	68 / 68 / 56	68 / 68 / 51	68 / 68 / 46	68 / 68 / 42	68 / 62 / 39	68 / 57 / 36	68 / 53 / 34	68 / 49 / 31	68 / 46 / 29	68 / 43 / 27	68 / 40 / 25	66 / 35 / 22	58 / 31 / 20	52 / 28 / 18			
		7 to 27	All Mounts	72 / 72 / 60	72 / 72 / 54	72 / 72 / 50	72 / 72 / 46	72 / 66 / 42	72 / 61 / 39	71 / 56 / 36	71 / 52 / 34	70 / 49 / 31	70 / 46 / 29	69 / 43 / 27	68 / 38 / 24	65 / 33 / 21	58 / 30 / 19			
		27 to 45	All Mounts	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 76 / 76	76 / 74 / 74	75 / 72 / 72	73 / 69 / 69	72 / 65 / 65	71 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 68 / 68	74 / 63 / 63	72 / 59 / 59	70 / 55 / 55	68 / 51 / 51	65 / 45 / 45	52 / 40 / 40	46 / 36 / 36			
60 psf	B	0 to 7	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68			
		7 to 27	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81			
		27 to 45	All Mounts	96 / 96 / 96	96 / 95 / 95	96 / 93 / 93	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 76 / 76	79 / 73 / 73	76 / 68 / 68	73 / 61 / 61			
		45 to 90	All Mounts	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61			
		0 to 7	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68			
		7 to 27	All Mounts	72 / 72 / 60	72 / 72 / 54	72 / 72 / 50	72 / 72 / 46	72 / 66 / 42	72 / 61 / 39	71 / 56 / 36	71 / 52 / 34	70 / 49 / 31	70 / 46 / 29	69 / 43 / 27	68 / 38 / 24	65 / 33 / 21	58 / 30 / 19			
60 psf	C	27 to 45	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81			
		45 to 90	All Mounts	93 / 87 / 87	90 / 85 / 85	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 70 / 70	75 / 65 / 65	73 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		0 to 7	All Mounts	65 / 65 / 56	65 / 65 / 51	65 / 65 / 46	65 / 65 / 42	65 / 62 / 39	65 / 57 / 36	65 / 53 / 34	65 / 49 / 31	65 / 46 / 29	65 / 43 / 27	65 / 40 / 25	63 / 35 / 22	58 / 31 / 20	52 / 28 / 18			
		7 to 27	All Mounts	70 / 70 / 60	70 / 70 / 54	70 / 70 / 50	70 / 70 / 46	70 / 66 / 42	70 / 61 / 39	70 / 56 / 36	70 / 52 / 34	69 / 49 / 31	68 / 45 / 29	67 / 43 / 27	66 / 38 / 24	64 / 33 / 21	58 / 30 / 19			
		27 to 45	All Mounts	82 / 82 / 82	81 / 81 / 81	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 74 / 74	74 / 74 / 74	73 / 69 / 69	72 / 65 / 65	71 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 68 / 68	74 / 63 / 63	72 / 59 / 59	70 / 55 / 55	68 / 51 / 51	65 / 45 / 45	52 / 40 / 40	46 / 36 / 36			
60 psf	D	27 to 45	All Mounts	82 / 82 / 82	81 / 81 / 81	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 74 / 74	74 / 74 / 74	73 / 69 / 69	72 / 65 / 65	71 / 61 / 61	69 / 54 / 54	61 / 48 / 48	55 / 43 / 43			
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 68 / 68	74 / 63 / 63	72 / 59 / 59	70 / 55 / 55	68 / 51 / 51	65 / 45 / 45	52 / 40 / 40				

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 3 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->															
			110 mph 1/2 / 3	115 mph 1/2 / 3	120 mph 1/2 / 3	125 mph 1/2 / 3	130 mph 1/2 / 3	135 mph 1/2 / 3	140 mph 1/2 / 3	145 mph 1/2 / 3	150 mph 1/2 / 3	155 mph 1/2 / 3	160 mph 1/2 / 3	170 mph 1/2 / 3	180 mph 1/2 / 3	190 mph 1/2 / 3		
0 psf	B	0 to 7	All Mounts	95/84/80	95/91/78	95/88/75	95/86/73	95/83/70	95/81/64	95/79/60	95/77/55	93/75/52	91/73/48	89/72/45	85/63/40	81/56/35	78/50/32	
		7 to 27	All Mounts	96/96/82	96/93/79	96/90/77	96/87/75	96/85/73	96/82/69	96/80/64	96/78/60	96/76/56	94/75/52	92/73/48	89/67/43	85/59/38	81/53/34	
		27 to 45	All Mounts	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	
		45 to 90	All Mounts	99/99/99	99/98/98	99/95/95	98/92/92	95/90/90	93/87/87	91/85/85	89/83/83	87/81/81	86/79/79	84/78/78	81/74/74	78/71/71	75/64/64	
		0 to 7	All Mounts	95/83/70	95/81/68	95/78/58	94/76/53	91/74/49	89/72/45	86/67/42	84/62/39	82/58/36	80/54/34	78/50/32	75/44/28	72/39/25	65/35/22	
	C	7 to 27	All Mounts	96/85/73	96/82/68	96/80/62	96/77/57	94/75/53	92/73/49	89/70/45	87/65/42	85/61/39	83/57/37	81/53/34	78/47/30	75/42/27	72/37/24	
		27 to 45	All Mounts	97/95/95	94/92/92	92/90/90	90/87/87	88/85/85	86/82/82	84/80/80	82/78/78	81/77/77	79/75/75	77/73/73	75/67/67	72/59/59	64/53/53	
		45 to 90	All Mounts	95/90/90	93/87/87	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	79/72/72	77/68/68	75/64/64	72/57/57	64/50/50	58/45/45	
		0 to 7	All Mounts	95/78/58	94/76/53	91/74/49	88/71/45	86/65/41	83/60/38	81/56/35	79/52/33	77/48/30	76/45/28	74/42/27	72/39/25	67/34/27	61/31/20	
		7 to 27	All Mounts	96/80/63	96/77/57	94/75/52	91/73/48	89/69/44	86/64/41	84/59/38	82/55/35	80/51/33	78/48/30	76/45/28	74/42/27	72/39/25	64/50/50	
5 psf	B	27 to 45	All Mounts	91/84/84	88/82/82	86/80/80	84/77/77	82/75/75	80/73/73	78/71/71	76/66/66	74/61/61	72/57/57	69/54/54	61/48/48	54/42/42	48/38/38	
		0 to 7	All Mounts	85/85/80	85/85/78	85/85/78	85/85/78	85/83/70	85/81/64	85/79/60	85/77/55	85/75/52	85/73/48	85/71/44	85/69/40	81/56/35	78/50/32	
		7 to 27	All Mounts	92/92/82	92/92/79	92/90/77	92/87/75	92/85/73	92/83/69	92/80/64	92/78/60	92/76/56	92/75/52	92/73/49	88/67/43	84/59/38	81/53/34	
		27 to 45	All Mounts	99/99/99	99/98/98	99/95/95	97/97/97	97/95/95	95/93/93	93/91/91	91/88/88	89/86/86	87/84/84	86/82/82	83/79/79	80/76/76	77/73/73	
		0 to 7	All Mounts	92/83/70	92/81/68	92/78/58	92/76/53	91/74/49	89/72/45	86/67/42	84/62/39	82/58/36	80/54/34	78/50/32	75/44/28	72/39/25	65/35/22	
	C	7 to 27	All Mounts	96/85/73	96/82/68	96/80/80	96/77/57	94/75/53	92/73/49	89/70/45	87/65/42	85/61/39	83/57/37	81/53/34	78/47/30	75/42/27	72/37/24	
		27 to 45	All Mounts	97/95/95	94/92/92	92/90/90	90/87/87	88/85/85	86/82/82	84/80/80	82/78/78	81/77/77	79/75/75	77/73/73	75/67/67	72/59/59	64/53/53	
		45 to 90	All Mounts	95/90/90	93/87/87	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	79/72/72	77/68/68	75/64/64	72/57/57	64/50/50	58/45/45	
		0 to 7	All Mounts	92/78/58	92/76/53	91/74/49	88/71/45	86/65/41	83/60/38	81/56/35	79/52/33	77/48/30	76/45/28	74/42/27	72/39/25	67/34/27	61/31/20	
		7 to 27	All Mounts	96/80/63	96/77/57	94/75/52	91/73/48	89/69/44	86/64/41	84/59/38	82/55/35	80/51/33	78/48/30	76/45/28	74/42/27	72/39/25	64/50/50	
10 psf	B	27 to 45	All Mounts	91/84/84	88/82/82	86/80/80	84/77/77	82/75/75	80/73/73	78/71/71	76/66/66	74/61/61	72/57/57	69/54/54	61/48/48	54/42/42	48/38/38	
		0 to 7	All Mounts	85/85/80	85/85/78	85/85/78	85/85/78	85/83/70	85/81/64	85/79/60	85/77/55	85/75/52	85/73/48	85/71/44	85/69/40	81/56/35	78/50/32	
		7 to 27	All Mounts	92/92/82	92/92/79	92/90/77	92/87/75	92/85/73	92/83/69	92/80/64	92/78/60	92/76/56	92/75/52	92/73/49	88/67/43	84/59/38	81/53/34	
		27 to 45	All Mounts	99/99/99	99/98/98	99/95/95	97/97/97	97/95/95	95/93/93	93/91/91	91/88/88	89/86/86	87/84/84	86/82/82	83/79/79	80/76/76	77/73/73	
		0 to 7	All Mounts	92/83/70	92/81/68	92/78/58	92/76/53	91/74/49	89/72/45	86/67/42	84/62/39	82/58/36	80/54/34	78/50/32	75/44/28	72/39/25	65/35/22	
	C	7 to 27	All Mounts	96/85/73	96/82/68	96/80/62	96/77/57	94/75/53	92/73/49	89/70/45	87/65/42	85/61/39	83/57/37	81/53/34	78/47/30	75/42/27	72/37/24	
		27 to 45	All Mounts	97/95/95	94/92/92	92/90/90	90/87/87	88/85/85	86/82/82	84/80/80	82/78/78	81/77/77	79/75/75	77/73/73	75/67/67	72/59/59	64/53/53	
		45 to 90	All Mounts	95/90/90	93/87/87	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	79/72/72	77/68/68	75/64/64	72/57/57	64/50/50	58/45/45	
		0 to 7	All Mounts	92/78/58	92/76/53	91/74/49	88/71/45	86/65/41	83/60/38	81/56/35	79/52/33	77/48/30	76/45/28	74/42/27	72/39/25	67/34/27	61/31/20	
		7 to 27	All Mounts	96/80/63	96/77/57	94/75/52	91/73/48	89/69/44	86/64/41	84/59/38	82/55/35	80/51/33	78/48/30	76/45/28	74/42/27	72/39/25	64/50/50	
15 psf	B	27 to 45	All Mounts	91/84/84	88/82/82	86/80/80	84/77/77	82/75/75	80/73/73	78/71/71	76/66/66	74/61/61	72/57/57	69/54/54	61/48/48	54/42/42	48/38/38	
		0 to 7	All Mounts	85/85/80	85/85/78	85/85/78	85/85/78	85/83/70	85/81/64	85/79/60	85/77/55	85/75/52	85/73/48	85/71/44	85/69/40	81/56/35	78/50/32	
		7 to 27	All Mounts	92/92/82	92/92/79	92/90/77	92/87/75	92/85/73	92/83/69	92/80/64	92/78/60	92/76/56	92/75/52	92/73/49	88/67/43	84/59/38	81/53/34	
		27 to 45	All Mounts	99/99/99	99/98/98	99/95/95	97/97/97	97/95/95	95/93/93	93/91/91	91/88/88	89/86/86	87/84/84	86/82/82	83/79/79	80/76/76	77/73/73	
		0 to 7	All Mounts	92/83/70	92/81/68	92/78/58	92/76/53	91/74/49	89/72/45	86/67/42	84/62/39	82/58/36	80/54/34	78/50/32	75/44/28	72/39/25	65/35/22	
	C	7 to 27	All Mounts	96/85/73	96/82/68	96/80/80	96/77/57	94/75/53	92/73/49	89/70/45	87/65/42	85/61/39	83/57/37	81/53/34	78/47/30	75/42/27	72/37/24	
		27 to 45	All Mounts	97/95/95	94/92/92	92/90/90	90/87/87	88/85/85	86/82/82	84/80/80	82/78/78	81/77/77	79/75/75	77/73/73	75/67/67	72/59/59	64/53/53	
		45 to 90	All Mounts	95/90/90	93/87/87	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	79/72/72	77/68/68	75/64/64	72/57/57	64/50/50	58/45/45	
		0 to 7	All Mounts	92/78/58	92/76/53	91/74/49	88/71/45	86/65/41	83/60/38	81/56/35	79/52/33	77/48/30	76/45/28	74/42/27	72/39/25	67/34/27	61/31/20	
		7 to 27	All Mounts	96/80/63	96/77/57	94/75/52	91/73/48	89/69/44	86/64/41	84/59/38	82/55/35	80/51/33	78/48/30	76/45/28	74/42/27	72/39/25	64/50/50	
20 psf	B	27 to 45	All Mounts	91/84/84	88/82/82	86/80/80	84/77/77	82/75/75	80/73/73	78/71/71	76/66/66	74/61/61	72/57/57	69/54/54	61/48/48	54/42/42	48/38/38	
		0 to 7	All Mounts	85/85/80	85/85/78	85/85/78	85/85/78	85/83/70	85/81/64	85/79/60	85/77/55	85/75/52	85/73/48	85/71/44	85/69/40	81/56/35	78/50/32	
		7 to 27	All Mounts	92/92/82	92/92/79	92/90/77	92/87/75	92/85/73	92/83/69	92/80/64	92/78/60	92/76/56	92/75/52	92/73/49	88/67/43	84/59/38	81/53/34	
		27 to 45	All Mounts	99/99/99	99/98/98	99/95/95	97/97/97	97/95/95	95/93/93	93/91/91	91/88/88	89/86/86	87/84/84	86/82/82	83/79/79	80/76/76	77/73/73	
		0 to 7	All Mounts	92/83/70	92/81/68	92/78/58	92/76/53	91/74/49	89/72/45	86/67/42	84/62/39	82/58/36	80/54/34	78/50/32	75/44/28	72/39/25	65/35/22	
	C	7 to 27	All Mounts	96/85/73	96/82/68	96/80/80	96/77/57	94/75/53	92/73/49	89/70/45	87/65/42	85/61/39	83/57/37	81/53/34	78/47/30	75/42/27	72/37/24	
		27 to 45	All Mounts	97/95/95	94/92/92	92/90/90	90/87/87	88/85/85	86/82/82	84/80/80	82/78/78	81/77/77	79/75/75	77/73/73	75/67/67	72/59/59	64/53/53	
		45 to 90	All Mounts	95/90/90	93/87/87	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	79/72/72	77/68/68	75/64/64	72/57/57	64/50/50	58/45/45	
		0 to 7	All Mounts	92/78/58	92/76/53	91/74/49	88/71/45	86/65/41	83/60/38	81/56/35	79/52/33	77/48/30	76/45/28	74/42/27	72/39/25	67/34/27	61/31/20	
		7 to 27	All Mounts	96/80/63	96/77/57	94/75/52	91/73/48	89/69/44	86/64/41	84/59/38	82/55/35	80/51/33	78/48/30	76/45/28	74/42/27	72/39/25	64/50/50	
25 psf	B	27 to 45	All Mounts	91/84/84	88/82/82	86/80/80	84/77/77	82/75/75	80/73/73	78/71/71	76/6							

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 5 3-Rail -- 60-Cell

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- 60-Cell																			
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->		110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
			1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3
B		0 to 7	All Mounts	95 / 88 / 75	95 / 91 / 78	95 / 88 / 75	95 / 86 / 73	95 / 83 / 71	95 / 81 / 69	95 / 83 / 71	95 / 80 / 69	95 / 79 / 67	95 / 77 / 66	93 / 75 / 64	91 / 73 / 61	89 / 72 / 59	85 / 69 / 52	81 / 66 / 46	78 / 63 / 41
		7 to 27	All Mounts	96 / 96 / 82	96 / 93 / 79	96 / 90 / 77	96 / 87 / 75	96 / 85 / 73	96 / 82 / 71	96 / 80 / 69	96 / 78 / 67	96 / 78 / 67	96 / 76 / 66	94 / 75 / 64	92 / 73 / 61	89 / 70 / 56	84 / 67 / 50	80 / 67 / 50	77 / 73 / 23
		27 to 45	All Mounts	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 95 / 95	97 / 93 / 93	95 / 91 / 91	91 / 88 / 88	89 / 86 / 86	87 / 84 / 84	86 / 82 / 82	83 / 79 / 79	80 / 76 / 76	77 / 73 / 73	75 / 69 / 69	71 / 63 / 45
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69	71 / 63 / 45	67 / 59 / 59
		0 to 7	All Mounts	95 / 83 / 71	95 / 81 / 69	95 / 78 / 67	94 / 76 / 64	92 / 74 / 62	90 / 72 / 59	88 / 70 / 55	86 / 68 / 51	84 / 68 / 51	82 / 67 / 48	80 / 65 / 45	78 / 63 / 42	75 / 58 / 37	72 / 52 / 33	69 / 46 / 29	66 / 40 / 25
C		7 to 27	All Mounts	96 / 85 / 73	96 / 82 / 71	96 / 80 / 68	96 / 77 / 67	96 / 75 / 65	96 / 73 / 63	96 / 71 / 69	96 / 69 / 67	96 / 67 / 66	94 / 65 / 45	92 / 63 / 43	89 / 61 / 40	86 / 82 / 78	83 / 79 / 79	80 / 76 / 76	77 / 69 / 69
		27 to 45	All Mounts	97 / 95 / 95	94 / 92 / 92	92 / 90 / 90	90 / 87 / 87	88 / 85 / 85	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	81 / 74 / 74	79 / 70 / 70	77 / 67 / 67	75 / 65 / 45	72 / 61 / 40	69 / 46 / 29	66 / 40 / 25	63 / 35 / 25
		45 to 90	All Mounts	95 / 80 / 69	94 / 76 / 64	91 / 74 / 62	88 / 71 / 59	86 / 70 / 54	83 / 68 / 50	81 / 67 / 46	79 / 65 / 43	77 / 63 / 40	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59	64 / 50 / 50	61 / 40 / 27	58 / 30 / 25
		0 to 7	All Mounts	95 / 80 / 69	96 / 77 / 66	94 / 75 / 64	91 / 73 / 61	89 / 71 / 58	86 / 69 / 54	84 / 67 / 50	82 / 65 / 46	80 / 63 / 43	78 / 61 / 40	76 / 59 / 37	74 / 55 / 35	71 / 49 / 31	68 / 43 / 27	65 / 39 / 25	62 / 31 / 23
		7 to 27	All Mounts	92 / 80 / 90	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 55 / 55	62 / 48 / 45	59 / 42 / 32	56 / 36 / 28
D		0 to 7	All Mounts	95 / 80 / 69	96 / 77 / 66	94 / 75 / 64	91 / 73 / 61	89 / 71 / 58	86 / 69 / 54	84 / 67 / 50	82 / 65 / 46	80 / 63 / 43	78 / 61 / 40	76 / 59 / 37	74 / 55 / 35	71 / 49 / 31	68 / 43 / 27	65 / 39 / 25	62 / 31 / 23
		7 to 27	All Mounts	96 / 80 / 69	96 / 77 / 66	94 / 75 / 64	91 / 73 / 61	89 / 71 / 58	86 / 69 / 54	84 / 67 / 50	82 / 65 / 46	80 / 63 / 43	78 / 61 / 40	76 / 59 / 37	74 / 55 / 35	71 / 49 / 31	68 / 43 / 27	65 / 39 / 25	62 / 31 / 23
		27 to 45	All Mounts	97 / 90 / 90	90 / 87 / 87	88 / 84 / 84	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59	62 / 56 / 52	59 / 50 / 50
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 55 / 55	62 / 48 / 45	59 / 42 / 32	56 / 36 / 28
		0 to 7	All Mounts	85 / 85 / 75	85 / 83 / 71	85 / 81 / 69	85 / 78 / 75	85 / 76 / 73	85 / 73 / 71	85 / 71 / 69	85 / 68 / 54	85 / 65 / 46	85 / 63 / 43	83 / 61 / 40	81 / 67 / 46	79 / 65 / 43	77 / 63 / 40	75 / 69 / 69	72 / 67 / 67
B		7 to 27	All Mounts	92 / 82 / 82	92 / 80 / 78	92 / 78 / 75	92 / 76 / 73	92 / 74 / 71	92 / 72 / 69	92 / 70 / 67	92 / 68 / 64	92 / 66 / 62	90 / 64 / 60	88 / 62 / 58	86 / 60 / 56	84 / 58 / 54	82 / 56 / 52	80 / 54 / 50	78 / 52 / 48
		27 to 45	All Mounts	95 / 95 / 95	95 / 93 / 91	95 / 91 / 89	95 / 89 / 87	95 / 87 / 85	95 / 85 / 83	93 / 83 / 81	91 / 81 / 79	89 / 79 / 77	87 / 77 / 75	85 / 75 / 73	83 / 73 / 71	81 / 71 / 69	79 / 69 / 67	77 / 67 / 65	75 / 65 / 63
		45 to 90	All Mounts	95 / 90 / 90	95 / 88 / 86	95 / 86 / 84	95 / 84 / 82	95 / 82 / 80	95 / 80 / 78	95 / 78 / 76	95 / 76 / 74	95 / 74 / 72	95 / 72 / 70	95 / 70 / 68	95 / 68 / 66	95 / 66 / 64	95 / 64 / 62	95 / 62 / 60	95 / 60 / 58
		0 to 7	All Mounts	85 / 78 / 67	85 / 76 / 64	85 / 74 / 62	85 / 71 / 59	85 / 69 / 54	85 / 66 / 46	85 / 63 / 43	83 / 61 / 40	81 / 67 / 46	79 / 65 / 43	77 / 63 / 40	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59	64 / 50 / 50
		7 to 27	All Mounts	92 / 80 / 90	90 / 87 / 87	88 / 84 / 84	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59	62 / 56 / 52	59 / 50 / 50
C		0 to 7	All Mounts	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79
		7 to 27	All Mounts	97 / 95 / 95	94 / 92 / 92	92 / 90 / 90	90 / 87 / 87	88 / 85 / 85	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59
		27 to 45	All Mounts	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 95 / 95	95 / 93 / 93	93 / 91 / 91	91 / 89 / 87	89 / 87 / 85	87 / 85 / 83	85 / 83 / 81	83 / 81 / 79	81 / 79 / 77	79 / 77 / 75	77 / 75 / 73	75 / 73 / 71
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63
		0 to 7	All Mounts	95 / 90 / 90	95 / 88 / 86	95 / 86 / 84	95 / 84 / 82	95 / 82 / 80	95 / 80 / 78	95 / 78 / 76	95 / 76 / 74	95 / 74 / 72	95 / 72 / 70	95 / 70 / 68	95 / 68 / 66	95 / 66 / 64	95 / 64 / 62	95 / 62 / 60	95 / 60 / 58
D		0 to 7	All Mounts	95 / 90 / 90	95 / 88 / 86	95 / 86 / 84	95 / 84 / 82	95 / 82 / 80	95 / 80 / 78	95 / 78 / 76	95 / 76 / 74	95 / 74 / 72	95 / 72 / 70	95 / 70 / 68	95 / 68 / 66	95 / 66 / 64	95 / 64 / 62	95 / 62 / 60	95 / 60 / 58
		7 to 27	All Mounts	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 95 / 95	95 / 93 / 93	93 / 91 / 91	91 / 89 / 87	89 / 87 / 85	87 / 85 / 83	85 / 83 / 81	83 / 81 / 79	81 / 79 / 77	79 / 77 / 75	77 / 75 / 73	75 / 73 / 71
		27 to 45	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 55 / 55	62 / 48 / 45	59 / 42 / 32	56 / 36 / 28
		0 to 7	All Mounts	85 / 85 / 75	85 / 83 / 71	85 / 81 / 69	85 / 78 / 75	85 / 76 / 73	85 / 73 / 71	85 / 71 / 69	85 / 68 / 54	85 / 65 / 46	85 / 63 / 43	83 / 61 / 40	81 / 67 / 46	79 / 65 / 43	77 / 63 / 40	75 / 69 / 69	72 / 67 / 67
B		7 to 27	All Mounts	92 / 82 / 82	92 / 80 / 78	92 / 78 / 75	92 / 76 / 73	92 / 74 / 71	92 / 72 / 69	92 / 70 / 67	92 / 68 / 64	92 / 66 / 62	90 / 64 / 60	88 / 62 / 58	86 / 60 / 56	84 / 58 / 54	82 / 56 / 52	80 / 54 / 50	78 / 52 / 48
		27 to 45	All Mounts	95 / 95 / 95	95 / 93 / 91	95 / 91 / 89	95 / 89 / 87	95 / 87 / 85	95 / 85 / 83	93 / 83 / 81	91 / 81 / 79	89 / 79 / 77	87 / 77 / 75	85 / 75 / 73	83 / 73 / 71	81 / 71 / 69	79 / 69 / 67	77 / 67 / 65	75 / 65 / 63
		45 to 90	All Mounts	95 / 90 / 90	95 / 88 / 86	95 / 86 / 84	95 / 84 / 82	95 / 82 / 80	95 / 80 / 78	95 / 78 / 76	95 / 76 / 74	95 / 74 / 72	95 / 72 / 70	95 / 70 / 68	95 / 68 / 66	95 / 66 / 64	95 / 64 / 62	95 / 62 / 60	95 / 60 / 58
		0 to 7	All Mounts	85 / 78 / 67	85 / 76 / 64	85 / 74 / 62	85 / 71 / 59	85 / 69 / 54	85 / 66 / 46	85 / 63 / 43	83 / 61 / 40	81 / 67 / 46	79 / 65 / 43	77 / 63 / 40	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59	64 / 50 / 50
		7 to 27	All Mounts	92 / 80 / 90	90 / 87 / 87	88 / 84 / 84	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59	62 / 56 / 52	59 / 50 / 50
C		0 to 7	All Mounts	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79
		7 to 27	All Mounts	97 / 95 / 95	94 / 92 / 92	92 / 90 / 90	90 / 87 / 87	88 / 85 / 85	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	77 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59
		27 to 45	All Mounts	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 97 / 97	97 / 95 / 95	95 / 93 / 93	93 / 91 / 91	91 / 89 / 87	89 / 87 / 85	87 / 85 / 83	85 / 83 / 81	83 / 81 / 79	81 / 79 / 77	79 / 77 / 75	77 / 75 / 73	75 / 73 / 71
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 6 3-Rail -- 60-Ceil

Maximum Rail Spans (Inches)			Wind Speed -> Roof Zone ->																110 mph			115 mph			120 mph			125 mph			130 mph			135 mph			140 mph			145 mph			150 mph			155 mph			160 mph			170 mph			180 mph			190 mph																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Ground Snow Load	Exposure Category	Panel Angle	0 to 7	1 to 2 / 3	4 to 9	10 to 15	16 to 21	22 to 27	28 to 33	34 to 39	40 to 45	46 to 51	52 to 57	58 to 63	64 to 69	70 to 75	76 to 81	82 to 87	88 to 93	94 to 99	100 to 105	106 to 111	112 to 117	118 to 123	124 to 129	130 to 135	136 to 141	142 to 147	148 to 153	154 to 159	160 to 165	166 to 171	172 to 177	178 to 183	184 to 189	190 to 195	196 to 201	202 to 207	208 to 213	214 to 219	220 to 225	226 to 231	232 to 237	238 to 243	244 to 249	250 to 255	256 to 261	262 to 267	268 to 273	274 to 279	280 to 285	286 to 291	292 to 297	298 to 303	304 to 309	310 to 315	316 to 321	322 to 327	328 to 333	334 to 339	340 to 345	346 to 351	352 to 357	358 to 363	364 to 369	370 to 375	376 to 381	382 to 387	388 to 393	394 to 399	400 to 405	406 to 411	412 to 417	418 to 423	424 to 429	430 to 435	436 to 441	442 to 447	448 to 453	454 to 459	460 to 465	466 to 471	472 to 477	478 to 483	484 to 489	490 to 495	496 to 501	502 to 507	508 to 513	514 to 519	520 to 525	526 to 531	532 to 537	538 to 543	544 to 549	550 to 555	556 to 561	562 to 567	568 to 573	574 to 579	580 to 585	586 to 591	592 to 597	598 to 603	604 to 609	610 to 615	616 to 621	622 to 627	628 to 633	634 to 639	640 to 645	646 to 651	652 to 657	658 to 663	664 to 669	670 to 675	676 to 681	682 to 687	688 to 693	694 to 699	700 to 705	706 to 711	712 to 717	718 to 723	724 to 729	730 to 735	736 to 741	742 to 747	748 to 753	754 to 759	760 to 765	766 to 771	772 to 777	778 to 783	784 to 789	790 to 795	796 to 801	802 to 807	808 to 813	814 to 819	820 to 825	826 to 831	832 to 837	838 to 843	844 to 849	850 to 855	856 to 861	862 to 867	868 to 873	874 to 879	880 to 885	886 to 891	892 to 897	898 to 903	904 to 909	910 to 915	916 to 921	922 to 927	928 to 933	934 to 939	940 to 945	946 to 951	952 to 957	958 to 963	964 to 969	970 to 975	976 to 981	982 to 987	988 to 993	994 to 999	1000 to 1005	1006 to 1011	1012 to 1017	1018 to 1023	1024 to 1029	1030 to 1035	1036 to 1041	1042 to 1047	1048 to 1053	1054 to 1059	1060 to 1065	1066 to 1071	1072 to 1077	1078 to 1083	1084 to 1089	1090 to 1095	1096 to 1101	1102 to 1107	1108 to 1113	1114 to 1119	1120 to 1125	1126 to 1131	1132 to 1137	1138 to 1143	1144 to 1149	1150 to 1155	1156 to 1161	1162 to 1167	1168 to 1173	1174 to 1179	1180 to 1185	1186 to 1191	1192 to 1197	1198 to 1203	1204 to 1209	1210 to 1215	1216 to 1221	1222 to 1227	1228 to 1233	1234 to 1239	1240 to 1245	1246 to 1251	1252 to 1257	1258 to 1263	1264 to 1269	1270 to 1275	1276 to 1281	1282 to 1287	1288 to 1293	1294 to 1299	1300 to 1305	1306 to 1311	1312 to 1317	1318 to 1323	1324 to 1329	1330 to 1335	1336 to 1341	1342 to 1347	1348 to 1353	1354 to 1359	1360 to 1365	1366 to 1371	1372 to 1377	1378 to 1383	1384 to 1389	1390 to 1395	1396 to 1401	1402 to 1407	1408 to 1413	1414 to 1419	1420 to 1425	1426 to 1431	1432 to 1437	1438 to 1443	1444 to 1449	1450 to 1455	1456 to 1461	1462 to 1467	1468 to 1473	1474 to 1479	1480 to 1485	1486 to 1491	1492 to 1497	1498 to 1503	1504 to 1509	1510 to 1515	1516 to 1521	1522 to 1527	1528 to 1533	1534 to 1539	1540 to 1545	1546 to 1551	1552 to 1557	1558 to 1563	1564 to 1569	1570 to 1575	1576 to 1581	1582 to 1587	1588 to 1593	1594 to 1599	1600 to 1605	1606 to 1611	1612 to 1617	1618 to 1623	1624 to 1629	1630 to 1635	1636 to 1641	1642 to 1647	1648 to 1653	1654 to 1659	1660 to 1665	1666 to 1671	1672 to 1677	1678 to 1683	1684 to 1689	1690 to 1695	1696 to 1701	1702 to 1707	1708 to 1713	1714 to 1719	1720 to 1725	1726 to 1731	1732 to 1737	1738 to 1743	1744 to 1749	1750 to 1755	1756 to 1761	1762 to 1767	1768 to 1773	1774 to 1779	1780 to 1785	1786 to 1791	1792 to 1797	1798 to 1803	1804 to 1809	1810 to 1815	1816 to 1821	1822 to 1827	1828 to 1833	1834 to 1839	1840 to 1845	1846 to 1851	1852 to 1857	1858 to 1863	1864 to 1869	1870 to 1875	1876 to 1881	1882 to 1887	1888 to 1893	1894 to 1899	1900 to 1905	1906 to 1911	1912 to 1917	1918 to 1923	1924 to 1929	1930 to 1935	1936 to 1941	1942 to 1947	1948 to 1953	1954 to 1959	1960 to 1965	1966 to 1971	1972 to 1977	1978 to 1983	1984 to 1989	1990 to 1995	1996 to 2001	2002 to 2007	2008 to 2013	2014 to 2019	2020 to 2025	2026 to 2031	2032 to 2037	2038 to 2043	2044 to 2049	2050 to 2055	2056 to 2061	2062 to 2067	2068 to 2073	2074 to 2079	2080 to 2085	2086 to 2091	2092 to 2097	2098 to 2103	2104 to 2109	2110 to 2115	2116 to 2121	2122 to 2127	2128 to 2133	2134 to 2139	2140 to 2145	2146 to 2151	2152 to 2157	2158 to 2163	2164 to 2169	2170 to 2175	2176 to 2181	2182 to 2187	2188 to 2193	2194 to 2199	2200 to 2205	2206 to 2211	2212 to 2217	2218 to 2223	2224 to 2229	2230 to 2235	2236 to 2241	2242 to 2247	2248 to 2253	2254 to 2259	2260 to 2265	2266 to 2271	2272 to 2277	2278 to 2283	2284 to 2289	2290 to 2295	2296 to 2301	2302 to 2307	2308 to 2313	2314 to 2319	2320 to 2325	2326 to 2331	2332 to 2337	2338 to 2343	2344 to 2349	2350 to 2355	2356 to 2361	2362 to 2367	2368 to 2373	2374 to 2379	2380 to 2385	2386 to 2391	2392 to 2397	2398 to 2403	2404 to 2409	2410 to 2415	2416 to 2421	2422 to 2427	2428 to 2433	2434 to 2439	2440 to 2445	2446 to 2451	2452 to 2457	2458 to 2463	2464 to 2469	2470 to 2475	2476 to 2481	2482 to 2487	2488 to 2493	2494 to 2499	2500 to 2505	2506 to 2511	2512 to 2517	2518 to 2523	2524 to 2529	2530 to 2535	2536 to 2541	2542 to 2547	2548 to 2553	2554 to 2559	2560 to 2565	2566 to 2571	2572 to 2577	2578 to 2583	2584 to 2589	2590 to 2595	2596 to 2601	2602 to 2607	2608 to 2613	2614 to 2619	2620 to 2625	2626 to 2631	2632 to 2637	2638 to 2643	2644 to 2649	2650 to 2655	2656 to 2661	2662 to 2667	2668 to 2673	2674 to 2679	2680 to 2685	2686 to 2691	2692 to 2697	2698 to 2703	2704 to 2709	2710 to 2715	2716 to 2721	2722 to 2727	2728 to 2733	2734 to 2739	2740 to 2745	2746 to 2751	2752 to 2757	2758 to 2763	2764 to 2769	2770 to 2775	2776 to 2781	2782 to 2787	2788 to 2793	2794 to 2799	2800 to 2805	2806 to 2811	2812 to 2817	2818 to 2823	2824 to 2829	2830 to 2835	2836 to 2841	2842 to 2847	2848 to 2853	2854 to 2859	2860 to 2865	2866 to 2871	2872 to 2877	2878 to 2883	2884 to 2889	2890 to 2895	2896 to 2901	2902 to 2907	2908 to 2913	2914 to 2919	2920 to 2925	2926 to 2931	2932 to 2937	2938 to 2943	2944 to 2949	2950 to 2955	2956 to 2961	2962 to 2967	2968 to 2973	2974 to 2979	2980 to 2985	2986 to 2991	2992 to 2997	2998 to 3003	3004 to 3009	3010 to 3015	3016 to 3021	3022 to 3027	3028 to 3033	3034 to 3039	3040 to 3045	3046 to 3051	3052 to 3057	3058 to 3063	3064 to 3069	3070 to 3075	3076 to 3081	3082 to 3087	3088 to 3093	3094 to 3099	3100 to 3105	3106 to 3111	3112 to 3117	3118 to 3123	3124 to 3129	3130 to 3135	3136 to 3141	3142 to 3147	3148 to 3153	3154 to 3159	3160 to 3165	3166 to 3171	3172 to 3177	3178 to 3183	3184 to 3189	3190 to 3195	3196 to 3201	3202 to 3207	3208 to 3213	3214 to 3219	3220 to 3225	3226 to 3231	3232 to 3237	3238 to 3243	3244 to 3249	3250 to 3255	3256 to 3261	3262 to 3267	3268 to 3273	3274 to 3279	3280 to 3285	3286 to 3291	3292 to 3297	3298 to 3303	3304 to 3309	3310 to 3315	3316 to 3321	3322 to 3327	3328 to 3333	3334 to 3339	3340 to 3345	3346 to 3351	3352 to 3357	3358 to 3363	3364 to 3369	3370 to 3375	3376 to 3381	3382 to 3387	3388 to 3393	3394 to 3399	3400 to 3405	3406 to 3411	3412 to 3417	3418 to 3423	3424 to 3429	3430 to 3435	3436 to 3441	3442 to 3447	3448 to 3453	3454 to 3459	3460 to 3465	3466 to 3471	3472 to 3477	3478 to 3483	3484 to 3489	3490 to 3495	3496 to 3501	3502 to 3507	3508 to 3513	3514 to 3519	3520 to 3525	3526 to 3531	3532 to 3537	3538 to 3543	3544 to 3549	3550 to 3555	3556 to 3561	3562 to 3567	3568 to 3573	3574 to 3579	3580 to 3585	3586 to 3591	3592 to 3597	3598 to 3603	3604 to 3609	3610 to 3615	3616 to 3621	3622 to 3627	3628 to 3633	3634 to 3639	3640 to 3645	3646 to 3651	3652 to 3657	3658 to 3663	3664 to 3669	3670 to 3675	3676 to 3681	3682 to 3687	3688 to 3693	3694 to 3699	3700 to 3705	3706 to 3711	3712 to 3717	3718 to 3723	3724 to 3729	3730 to 3735	3736 to 3741	3742 to 3747	3748 to 3753	3754 to 3759	3760 to 3765	3766 to 3771	3772 to 3777	3778 to 3783	3784 to 3789	3790 to 3795	3796 to 3801	3802 to 3807	3808 to 3813	3814 to 3819	3820 to 3825	3826 to 3831	3832 to 3837	3838 to 3843	3844 to 3849	3850 to 3855	3856 to 3861	3862 to 3867	3868 to 3873	3874 to 3879	3880 to 3885	3886 to 3891	3892 to 3897	3898 to 3903	3904 to 3909	3910 to 3915	3916 to 3921	3922 to 3927	3928 to 3933	3934 to 3939	3940 to 3945	3946 to 3951	3952 to 3957	3958 to 3963	3964 to 3969	3970 to 3975	3976 to 3981	3982 to 3987	3988 to 3993	3994 to 3999	4000 to 4005	4006 to 4011	4012 to 4017	4018 to 4023	4024 to 4029	4030 to 4035	4036 to 4041	4042 to 4047	4048 to 4053	4054 to 4059	4060 to 4065	4066 to 4071	4072 to 4077	4078 to 4083	4084 to 4089	4090 to 4095	4096 to 4101	4102 to 4107	4108 to 4113	4114 to 4119	4120 to 4125	4126 to 4131	4132 to 4137	4138 to 4143	4144 to 4149

Maximum Rail Spans (Inches)				SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 8 3-Rail -- 60-Ceil																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
30 psf	B	0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 73	75 / 75 / 71	75 / 75 / 69	75 / 75 / 67	75 / 75 / 66	75 / 75 / 64	75 / 73 / 61	75 / 72 / 59	75 / 69 / 56	75 / 66 / 53	75 / 63 / 50			
		7 to 27	All Mounts	78 / 78 / 78	78 / 78 / 78	78 / 78 / 77	78 / 78 / 75	78 / 78 / 73	78 / 78 / 71	78 / 78 / 69	78 / 78 / 67	78 / 78 / 66	78 / 78 / 64	78 / 76 / 62	78 / 73 / 58	78 / 70 / 58	78 / 67 / 55	76 / 64 / 52		
		27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 90 / 90	89 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 84 / 84	84 / 82 / 82	82 / 79 / 79	80 / 76 / 76	77 / 73 / 73	75 / 69 / 69		
		45 to 90	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69	73 / 65 / 62		
		0 to 7	All Mounts	75 / 75 / 73	75 / 75 / 69	75 / 75 / 67	75 / 75 / 64	75 / 74 / 62	75 / 72 / 60	75 / 70 / 57	74 / 68 / 55	74 / 63 / 51	74 / 59 / 47	74 / 53 / 46	73 / 50 / 47	72 / 56 / 44	69 / 52 / 42			
	C	7 to 27	All Mounts	78 / 78 / 73	78 / 78 / 71	78 / 78 / 68	78 / 77 / 67	78 / 75 / 64	78 / 73 / 62	78 / 71 / 59	78 / 67 / 54	78 / 63 / 51	78 / 60 / 49	77 / 65 / 52	75 / 61 / 49	74 / 57 / 46	72 / 54 / 43			
		27 to 45	All Mounts	91 / 91 / 91	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	85 / 85 / 85	84 / 82 / 82	83 / 80 / 80	81 / 78 / 78	80 / 74 / 74	79 / 71 / 71	77 / 65 / 65	75 / 61 / 58	72 / 62 / 62	69 / 64 / 64			
		45 to 90	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59			
		0 to 7	All Mounts	75 / 75 / 67	75 / 75 / 64	75 / 74 / 62	75 / 73 / 61	75 / 70 / 57	75 / 68 / 55	75 / 66 / 53	75 / 64 / 51	74 / 57 / 46	74 / 51 / 43	73 / 56 / 45	72 / 60 / 46	71 / 54 / 43	68 / 51 / 41			
		7 to 27	All Mounts	80 / 80 / 69	80 / 77 / 66	80 / 75 / 64	80 / 73 / 61	80 / 71 / 59	80 / 69 / 57	79 / 67 / 54	78 / 65 / 53	78 / 63 / 51	77 / 61 / 49	76 / 59 / 47	73 / 56 / 45	73 / 56 / 42	68 / 50 / 40			
35 psf	B	27 to 45	All Mounts	89 / 89 / 89	88 / 87 / 87	86 / 84 / 84	85 / 82 / 82	86 / 80 / 80	84 / 81 / 81	83 / 80 / 80	82 / 78 / 78	81 / 74 / 74	80 / 73 / 73	78 / 71 / 71	76 / 67 / 66	74 / 61 / 61	71 / 54 / 54			
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 67 / 67	72 / 61 / 61	70 / 63 / 62	68 / 62 / 62	65 / 58 / 58	62 / 54 / 54			
		0 to 7	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 71	72 / 72 / 69	72 / 72 / 67	72 / 72 / 66	72 / 72 / 64	72 / 72 / 61	72 / 72 / 59	72 / 69 / 56	72 / 66 / 53	72 / 63 / 50			
		7 to 27	All Mounts	89 / 89 / 89	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	86 / 86 / 86	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	79 / 79 / 79	78 / 76 / 76	77 / 73 / 73			
		27 to 45	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69			
	C	0 to 7	All Mounts	76 / 76 / 73	76 / 76 / 71	76 / 76 / 68	76 / 76 / 67	76 / 75 / 64	76 / 73 / 62	76 / 71 / 59	76 / 70 / 57	75 / 68 / 55	75 / 65 / 52	74 / 65 / 52	73 / 61 / 49	72 / 57 / 46	71 / 54 / 43			
		7 to 27	All Mounts	89 / 89 / 89	88 / 88 / 88	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 78 / 78	79 / 77 / 77	78 / 75 / 75	77 / 73 / 73	75 / 70 / 70	72 / 67 / 67	69 / 64 / 64			
		45 to 90	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59			
		0 to 7	All Mounts	74 / 74 / 67	74 / 74 / 64	74 / 74 / 62	74 / 73 / 61	74 / 70 / 57	74 / 68 / 55	74 / 66 / 53	74 / 64 / 51	74 / 61 / 49	74 / 59 / 47	74 / 53 / 46	73 / 50 / 47	72 / 56 / 44	69 / 52 / 42			
		7 to 27	All Mounts	78 / 78 / 69	78 / 77 / 66	78 / 75 / 64	78 / 73 / 61	78 / 71 / 59	78 / 69 / 57	77 / 67 / 54	76 / 65 / 53	76 / 63 / 51	75 / 61 / 49	74 / 59 / 47	73 / 56 / 45	70 / 52 / 42	68 / 50 / 40			
40 psf	D	27 to 45	All Mounts	88 / 88 / 88	86 / 86 / 86	85 / 84 / 84	83 / 82 / 82	82 / 80 / 80	81 / 78 / 78	79 / 76 / 76	78 / 74 / 74	77 / 72 / 72	76 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59			
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 58 / 58	62 / 54 / 54			
		0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 69	70 / 70 / 67	70 / 70 / 66	70 / 70 / 64	70 / 70 / 61	70 / 70 / 59	70 / 69 / 56	70 / 66 / 53	70 / 63 / 50			
		7 to 27	All Mounts	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 69	74 / 74 / 67	74 / 74 / 66	74 / 74 / 64	74 / 74 / 62	74 / 73 / 62	74 / 70 / 58	73 / 67 / 55	72 / 64 / 52			
		27 to 45	All Mounts	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	86 / 86 / 86	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	79 / 79 / 79	78 / 76 / 76	76 / 73 / 73	75 / 69 / 69			
	C	0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 69	70 / 70 / 67	70 / 70 / 65	70 / 70 / 62	70 / 70 / 60	70 / 67 / 53	70 / 68 / 55	70 / 67 / 53	70 / 63 / 49	70 / 65 / 42	70 / 59 / 47	70 / 56 / 44	69 / 52 / 42			
		7 to 27	All Mounts	74 / 74 / 73	74 / 74 / 71	74 / 74 / 68	74 / 74 / 67	74 / 74 / 64	74 / 73 / 62	74 / 71 / 59	74 / 70 / 57	73 / 68 / 55	73 / 66 / 54	73 / 61 / 49	71 / 61 / 49	71 / 57 / 46	70 / 54 / 43			
		45 to 90	All Mounts	88 / 88 / 88	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	78 / 77 / 77	77 / 75 / 75	76 / 73 / 73	74 / 70 / 70	72 / 67 / 67	69 / 64 / 64			
		0 to 7	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59			
		7 to 27	All Mounts	72 / 72 / 67	72 / 72 / 64	72 / 72 / 62	72 / 72 / 59	72 / 70 / 57	72 / 68 / 55	72 / 66 / 53	72 / 64 / 51	72 / 61 / 49	72 / 59 / 47	72 / 56 / 45	70 / 52 / 42	68 / 50 / 40	65 / 48 / 38			
45 psf	D	27 to 45	All Mounts	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 78 / 78	78 / 76 / 76	77 / 75 / 74	76 / 72 / 72	75 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59			
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 58 / 58	62 / 54 / 54			
		0 to 7	All Mounts	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 66	67 / 67 / 64	67 / 67 / 61	67 / 67 / 59	67 / 67 / 56	67 / 66 / 53	67 / 63 / 50			
		7 to 27	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 71	72 / 72 / 69	72 / 72 / 67	72 / 72 / 66	72 / 72 / 64	72 / 72 / 62	72 / 70 / 58	71 / 67 / 55	71 / 64 / 52	70 / 61 / 49		
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	78 / 78 / 78	77 / 76 / 76	75 / 73 / 73			
	C	0 to 7	All Mounts	99 / 99 / 99	99 / 98 / 98	99 / 95 / 95	98 / 92 / 92	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	86 / 79 / 79	84 / 78 / 78	81 / 74 / 74	78 / 72 / 72	75 / 69 / 69			
		7 to 27	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72			
		45 to 90	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59			
		0 to 7	All Mounts	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 75 / 75	74 / 73 / 73	73 / 70 / 70	71 / 67 / 67	69 / 64 / 64			
		7 to 27	All Mounts	95 / 90 / 90	93 / 87 / 87	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	67 / 59 / 59			
50 psf	D	27 to 45	All Mounts	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	78 / 76 / 76	76 / 74 / 74	75 / 72 / 72	74 / 71 / 71	73 / 69 / 69	70 / 66 / 66	68 / 62 / 62	64 / 59 / 59			
		45 to 90	All Mounts	91 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	71 / 65 / 65	68 / 61 / 61	65 / 58 / 58	62 / 54 / 54			
		0 to 7	All Mounts	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 64	64 / 64 / 61	64 / 64 / 59	64 / 64 / 56	64 / 64 / 53	64 / 63 / 50			
		7 to 27	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 69	70 / 70 / 67	70 / 70 / 66	70 / 70 / 66	70 / 70 / 64	70 / 70 / 62	70 / 70 / 58	70 / 67 / 55	69 / 64 / 52			
		27 to 45	All Mounts	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84													

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 1 3-Rail -- 72-Ceil

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
0 psf	B	0 to 7	All Mounts	90/88/76	90/86/73	90/83/71	90/81/69	90/79/67	90/77/65	90/75/63	90/73/61	88/71/58	86/69/56	84/68/55	80/65/51	77/61/48	74/57/46
		7 to 27	All Mounts	91/89/78	91/86/75	91/83/73	91/82/71	91/80/69	91/78/67	91/76/65	91/74/63	91/72/61	89/71/59	87/69/57	83/66/53	80/63/50	77/59/47
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65
		0 to 7	All Mounts	90/79/67	90/76/65	90/74/62	92/87/87	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/60/48	76/58/47	74/56/45	72/54/44
	C	7 to 27	All Mounts	91/80/69	91/78/67	91/75/64	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41
		27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55
		0 to 7	All Mounts	90/74/62	89/72/59	86/70/57	84/68/55	82/66/53	80/64/51	78/62/49	76/60/48	74/58/47	72/56/45	70/54/43	68/52/41	66/50/49	64/48/37
		7 to 27	All Mounts	91/75/64	89/73/61	88/71/59	86/69/56	84/67/54	82/65/52	80/63/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41	67/48/37	63/45/33
5 psf	B	27 to 45	All Mounts	86/80/78	85/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54
		45 to 90	All Mounts	85/77/77	83/77/77	81/77/77	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50
		0 to 7	All Mounts	80/80/76	80/80/73	80/80/71	80/80/69	80/79/67	80/77/65	80/75/63	80/73/61	80/71/58	80/69/56	80/68/55	80/65/51	77/61/48	74/57/46
		7 to 27	All Mounts	87/87/78	87/87/75	87/85/73	87/82/71	87/80/69	87/78/67	87/76/65	87/74/63	87/72/61	87/71/59	87/69/57	83/66/53	80/63/50	77/59/47
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69
	C	0 to 7	All Mounts	80/79/67	80/76/65	80/74/62	80/72/59	80/70/57	80/68/55	80/66/53	80/64/51	80/62/49	79/60/47	77/58/46	74/54/43	71/50/41	68/46/37
		7 to 27	All Mounts	87/80/69	87/78/67	87/75/64	85/73/61	83/71/58	81/69/56	80/67/54	78/65/52	76/63/50	74/61/48	72/59/47	70/57/45	68/55/43	66/53/51
		27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55
		0 to 7	All Mounts	87/74/62	87/72/59	86/70/57	83/68/54	81/66/52	79/63/50	77/61/48	75/59/47	73/57/45	71/35/43	70/33/42	67/30/39	64/47/34	60/44/31
10 psf	D	7 to 27	All Mounts	91/75/64	89/73/61	88/71/59	86/69/56	84/67/54	82/65/52	80/62/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41	67/48/37	63/45/33
		27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50
		0 to 7	All Mounts	80/79/67	80/76/65	80/74/62	80/72/59	80/70/57	80/68/55	80/66/53	80/64/51	80/62/49	79/60/47	77/58/46	74/54/43	71/50/41	68/46/37
		7 to 27	All Mounts	87/80/69	87/78/67	87/75/64	85/73/61	83/71/58	81/69/56	80/67/54	78/65/52	76/63/50	74/61/48	72/59/47	70/57/45	68/55/43	66/53/51
	C	27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55
		0 to 7	All Mounts	80/74/62	80/72/59	80/70/57	80/68/54	80/66/52	79/63/50	77/61/48	75/59/47	73/57/45	71/35/43	70/33/42	67/30/39	64/47/34	60/44/31
		7 to 27	All Mounts	87/75/64	85/73/61	83/71/58	81/69/56	80/67/54	78/65/52	76/63/50	74/61/48	72/59/47	70/57/45	68/55/43	66/51/41	64/49/37	62/47/35
		27 to 45	All Mounts	83/85/85	81/83/83	79/81/80	77/79/77	75/75/75	73/73/73	71/71/71	69/69/69	67/67/67	65/65/65	63/63/63	61/61/61	59/57/55	57/55/53
15 psf	D	0 to 7	All Mounts	75/75/67	75/75/65	75/74/62	75/72/59	75/70/57	75/68/55	75/66/53	75/64/51	75/62/49	75/60/47	74/58/46	73/56/45	72/54/44	71/52/42
		7 to 27	All Mounts	83/80/69	83/78/67	83/75/64	83/73/61	83/71/59	83/69/57	83/67/55	83/65/53	83/63/51	83/61/49	83/59/47	83/57/45	83/55/43	83/53/41
		27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55
		0 to 7	All Mounts	75/74/62	75/72/59	75/70/57	75/68/54	75/66/52	75/63/50	75/61/48	75/59/47	75/57/45	75/55/43	75/53/42	75/51/41	75/49/40	75/47/39
	C	7 to 27	All Mounts	84/73/61	84/71/59	84/69/56	84/67/54	84/65/52	84/63/50	84/61/48	84/59/47	84/57/45	84/55/43	84/53/42	84/51/41	84/49/40	84/47/39
		27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50
		0 to 7	All Mounts	71/71/71	71/71/71	71/71/71	71/71/69	71/71/67	71/71/65	71/71/63	71/71/61	71/71/58	71/69/56	71/68/55	71/65/51	71/61/48	71/57/46
		7 to 27	All Mounts	79/79/78	79/79/75	79/79/73	79/79/71	79/79/69	79/78/67	79/76/65	79/74/63	79/72/61	79/71/59	79/69/57	79/66/53	78/63/50	77/59/47
20 psf	B	27 to 45	All Mounts	90/90/90	90/90/90	90/90/90	90/90/90	90/90/90	88/88/88	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69	71/65/65
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65
		0 to 7	All Mounts	71/71/67	71/71/65	71/71/62	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/60/47	71/58/46	71/56/45	71/54/43	71/52/42
		7 to 27	All Mounts	79/79/69	79/78/67	79/75/64	79/73/61	79/71/59	79/69/57	79/67/55	79/66/53	79/63/51	79/61/49	79/59/48	79/57/46	79/55/44	79/53/42
		27 to 45	All Mounts	90/90/90	88/87/87	86/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59
	C	45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55
		0 to 7	All Mounts	71/71/62	71/71/59	71/70/57	71/68/54	71/66/52	71/63/50	71/61/48	71/59/47	71/57/45	71/55/43	71/53/42	71/51/41	71/49/40	71/47/39
		7 to 27	All Mounts	81/75/64	81/73/61	81/71/59	81/69/56	81/67/54	81/65/52	80/62/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41	67/48/37	63/45/33
		27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59	61/55/55	59/54/54
		0 to 7	All Mounts	78/73/61	78/73/59	78/73/57	78/73/55	78/73/53	78/73/51	78/73/49	78/73/47	78/73/45	78/73/43	78/73/41	78/73/39	78/73/37	78/73/35
25 psf	D	27 to 45	All Mounts	86/85/85	84/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54
		45 to 90	All Mounts	85/82/82	83/79/77	81/77/77	79/73/73	77/717									

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 1 3-Rail -- 72-Cell																		
Maximum Rail Spans (Inches)			Wind Speed > Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
Ground Snow Load	Exposure Category	Panel Angle	Roof Zone ->															
			0 to 7	All Mounts	71/71/71	71/71/71	71/71/71	71/71/69	71/71/67	71/71/65	71/71/63	71/71/61	71/71/58	71/69/56	71/68/55	71/65/51	71/61/48	71/57/46
30 psf	B	0 to 7	All Mounts	71/71/71	71/71/71	71/71/71	71/71/71	71/71/69	71/71/67	71/71/65	71/71/63	71/71/61	71/71/58	71/69/56	71/68/55	71/65/51	71/61/48	71/57/46
		7 to 27	All Mounts	74/74/74	74/74/74	74/74/74	74/74/73	74/74/71	74/74/69	74/74/67	74/74/65	74/74/63	74/74/61	74/73/59	74/71/57	74/69/55	74/66/53	73/63/50
		27 to 45	All Mounts	86/86/86	86/86/86	86/86/86	86/86/86	86/86/86	86/86/86	85/85/85	84/84/84	83/83/83	81/81/81	80/80/80	79/78/78	77/75/75	75/72/72	73/69/69
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	68/51/41
		0 to 7	All Mounts	71/71/67	71/71/65	71/71/62	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/60/47	71/58/46	71/54/43	68/51/41	66/48/37	64/45/33
		7 to 27	All Mounts	74/74/69	74/74/67	74/74/64	74/73/61	74/71/59	74/69/57	74/67/55	74/64/53	74/62/51	74/60/49	72/59/47	71/56/45	70/52/42	68/50/40	66/47/34
30 psf	C	27 to 45	All Mounts	86/86/86	85/85/85	83/83/83	82/82/82	81/80/80	79/78/78	78/76/76	77/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59	61/55/55
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	65/58/58	61/55/55	60/44/31
		0 to 7	All Mounts	71/71/62	71/71/59	71/70/57	71/68/54	71/66/52	71/63/50	71/61/48	71/59/47	71/57/45	71/55/43	70/53/42	67/50/39	64/47/34	60/44/31	60/44/31
		7 to 27	All Mounts	76/75/64	76/73/61	76/71/59	76/69/56	76/67/54	76/65/52	74/60/48	74/58/47	73/56/45	72/54/44	69/51/41	67/48/37	64/43/33	60/44/31	60/44/31
		27 to 45	All Mounts	84/84/84	83/82/82	81/80/80	80/78/78	79/75/75	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54	56/50/50
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	56/50/50
30 psf	D	0 to 7	All Mounts	71/71/68	71/71/65	71/71/62	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/60/47	71/58/46	71/54/43	68/51/41	66/48/37	64/45/33
		7 to 27	All Mounts	74/74/69	74/74/67	74/74/64	74/73/61	74/71/59	74/69/57	74/67/55	74/64/53	74/62/51	74/60/49	72/59/47	71/56/45	70/52/42	68/50/40	66/47/34
		27 to 45	All Mounts	86/86/86	85/85/85	83/83/83	82/82/82	81/80/80	79/78/78	78/76/76	77/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59	61/55/55
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	68/51/41
		0 to 7	All Mounts	71/71/67	71/71/65	71/71/62	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/60/47	71/58/46	71/54/43	68/51/41	66/48/37	64/45/33
		7 to 27	All Mounts	74/74/69	74/74/67	74/74/64	74/73/61	74/71/59	74/69/57	74/67/55	74/64/53	74/62/51	74/60/49	72/59/47	71/56/45	70/52/42	68/50/40	66/47/34
35 psf	B	0 to 7	All Mounts	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/74/74
		7 to 27	All Mounts	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	87/87/87	86/86/86	85/85/85	84/84/84	83/83/83	82/82/82	81/81/81	80/80/80
		27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	68/51/41
		45 to 90	All Mounts	99/95/95	96/92/92	93/90/90	91/87/87	89/85/85	87/83/83	85/81/81	83/79/79	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	67/63/63	64/59/59
		0 to 7	All Mounts	70/70/69	70/70/67	70/70/64	70/70/61	70/70/59	70/69/57	70/65/53	65/65/51	65/64/51	69/63/49	68/59/48	67/56/45	65/52/42	64/50/40	64/50/40
		7 to 27	All Mounts	73/73/64	73/73/61	73/71/59	73/69/56	73/67/54	73/65/52	72/62/50	72/60/48	72/58/47	72/56/45	70/54/44	69/51/41	67/48/37	63/45/33	64/44/31
40 psf	C	27 to 45	All Mounts	83/83/83	82/82/82	80/80/80	79/78/78	78/75/75	76/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54	56/50/50
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	56/50/50
		0 to 7	All Mounts	70/70/70	70/70/70	70/70/70	70/70/70	70/70/69	70/70/67	70/70/65	65/65/61	65/65/56	65/65/51	65/65/46	65/65/41	65/65/36	65/65/31	65/65/26
		7 to 27	All Mounts	73/73/64	73/73/61	73/71/59	73/69/56	73/67/54	73/65/52	72/62/50	72/60/48	72/58/47	72/56/45	70/54/44	69/51/41	67/48/37	63/45/33	64/44/31
		27 to 45	All Mounts	83/83/83	82/82/82	80/80/80	79/78/78	78/75/75	76/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54	56/50/50
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	56/50/50
40 psf	D	0 to 7	All Mounts	71/71/64	71/71/61	71/71/59	71/69/56	71/67/54	71/65/52	71/63/50	71/61/48	71/59/47	71/57/45	71/55/43	70/53/42	67/50/39	64/47/34	60/44/31
		7 to 27	All Mounts	74/74/64	74/74/61	74/74/59	74/73/56	74/71/54	74/69/51	74/67/48	74/65/45	74/63/42	74/61/39	74/59/36	74/57/33	74/55/30	74/53/27	74/51/24
		27 to 45	All Mounts	82/82/82	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/73/73	72/72/72	71/71/71	70/70/70	69/69/69	68/68/68	67/67/67
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	56/50/50
		0 to 7	All Mounts	71/71/62	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/60/47	71/58/46	71/54/43	68/51/41	66/48/37	64/45/33	60/44/31	60/44/31
		7 to 27	All Mounts	74/74/62	74/74/59	74/74/57	74/73/54	74/71/52	74/69/49	74/67/46	74/65/43	74/63/40	74/61/37	74/59/34	74/57/31	74/55/28	74/53/25	74/51/22
45 psf	B	0 to 7	All Mounts	81/81/81	81/81/81	81/81/81	81/81/81	81/81/81	81/81/81	80/80/80	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/74/74	73/72/72	71/69/69
		7 to 27	All Mounts	85/85/85	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84
		27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	68/51/41
		45 to 90	All Mounts	99/95/95	96/92/92	93/90/90	91/87/87	89/85/85	87/83/83	85/81/81	83/79/79	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	67/63/63	64/59/59
		0 to 7	All Mounts	71/71/67	71/71/65	71/71/62	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/60/47	71/58/46	71/54/43	68/51/41	66/48/37	64/45/33
		7 to 27	All Mounts	74/74/67	74/74/65	74/74/63	74/73/61	74/71/59	74/69/57	74/67/55	74/64/53	74/62/51	74/60/49	72/59/47	71/56/45	70/52/42	68/50/40	66/47/34
45 psf	C	27 to 45	All Mounts	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/72/72	72/71/71	71/70/70	70/69/69	69/68/68	68/67/67	67/66/66
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	56/50/50
		0 to 7	All Mounts	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70	70/70/70
		7 to 27	All Mounts	73/73/64	73/73/61	73/71/59	73/69/56	73/67/54	73/65/52	72/62/50	72/60/48	72/58/47	72/56/45	70/54/44	69/51/41	67/48/37	63/45/33	64/44/31
		27 to 45	All Mounts	83/83/83	82/82/82	80/80/80	79/78/78	78/75/75	76/73/73									

[illegible]

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 3 3-Rail -- 72-Cell																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->																
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
0 psf	B	0 to 7	All Mounts	90/89/76	90/86/73	90/83/70	90/81/64	90/77/59	90/77/54	90/75/50	90/73/47	88/69/44	86/65/41	84/61/38	80/53/34	77/47/30	74/42/27		
		7 to 27	All Mounts	91/91/78	91/88/75	91/85/73	91/82/69	91/80/63	91/78/59	91/76/54	91/74/50	91/72/47	89/68/44	87/64/41	83/56/36	80/50/32	77/45/29		
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/71/71	73/64/64		
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/68/68	74/60/60	69/54/54		
		0 to 7	All Mounts	90/79/59	90/76/53	90/74/49	89/72/45	86/66/41	84/61/38	82/56/35	80/52/33	78/49/31	76/45/29	74/43/27	70/37/24	62/33/21	55/30/19		
	C	7 to 27	All Mounts	91/80/63	91/78/58	91/75/53	91/73/48	89/70/45	87/64/41	85/60/38	82/55/35	80/51/33	78/48/31	76/45/29	74/40/25	69/35/23	61/31/20		
		27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	73/69/69	71/67/67	68/57/57	64/50/50	54/45/45		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/71/71	76/66/66	74/62/62	73/58/58	71/54/54	68/54/54	64/42/42	49/38/38		
		0 to 7	All Mounts	90/74/49	89/71/45	86/65/41	83/60/38	81/55/35	79/51/32	77/47/30	75/44/28	73/41/26	71/38/24	69/35/23	67/32/22	63/28/28	46/25/16		
		7 to 27	All Mounts	91/73/48	89/69/44	86/63/41	83/60/38	81/55/35	79/51/32	77/47/30	75/44/28	73/41/26	71/38/24	69/35/23	67/32/22	63/28/28	46/25/16		
5 psf	D	7 to 27	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	74/66/66	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/36/36		
		27 to 45	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/70/70	75/65/65	73/60/60	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/36/36	41/32/32		
		45 to 90	All Mounts	80/80/80	83/77/77	81/75/75	79/73/73	77/70/70	75/65/65	73/60/60	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/36/36	41/32/32		
		0 to 7	All Mounts	87/87/78	87/86/73	87/83/70	87/81/69	87/79/59	87/77/54	87/75/50	87/73/47	87/69/44	87/65/41	87/61/38	80/53/34	77/47/30	74/42/27		
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/71/71	73/64/64		
	B	45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/68/68	74/60/60	69/54/54		
		0 to 7	All Mounts	87/79/59	87/76/53	87/74/49	87/72/45	86/66/41	84/61/38	82/56/35	80/52/33	78/49/31	76/45/29	74/43/27	70/37/24	62/33/21	55/30/19		
		7 to 27	All Mounts	91/80/63	91/78/58	91/75/53	91/73/48	89/70/45	87/64/41	85/60/38	82/55/35	80/51/33	78/48/31	76/45/29	74/40/25	69/35/23	61/31/20		
		27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	73/69/69	71/67/67	68/57/57	64/50/50	54/45/45		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/71/71	76/66/66	74/62/62	73/58/58	71/54/54	68/54/54	64/42/42	49/38/38		
10 psf	C	0 to 7	All Mounts	88/75/53	88/73/48	88/69/44	86/63/41	84/58/37	82/54/35	80/50/32	78/46/30	76/43/28	74/40/26	72/38/24	65/33/21	57/30/19	51/26/17		
		27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	74/66/66	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/36/36		
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/70/70	75/65/65	73/60/60	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/36/36	41/32/32		
		0 to 7	All Mounts	75/75/75	75/75/73	75/75/70	75/75/64	75/75/59	75/75/54	75/75/50	75/73/47	75/69/44	75/65/41	75/61/38	75/53/34	75/47/30	74/42/27		
		7 to 27	All Mounts	83/83/78	83/83/75	83/83/73	83/82/69	83/80/63	83/78/59	83/76/54	83/74/50	83/72/47	83/68/44	83/64/41	83/56/36	80/50/32	77/45/29		
	B	27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/71/71	73/64/64		
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/68/68	74/60/60	69/54/54		
		0 to 7	All Mounts	75/75/75	75/75/73	75/75/70	75/75/64	75/75/59	75/75/54	75/75/50	75/73/47	75/69/44	75/65/41	75/61/38	75/53/34	75/47/30	74/42/27		
		7 to 27	All Mounts	83/80/63	83/78/58	83/75/53	83/73/48	83/70/45	83/67/41	83/64/41	83/60/38	82/57/35	80/53/33	78/49/31	76/45/29	74/40/25	69/35/23		
		27 to 45	All Mounts	90/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	73/69/69	71/67/67	68/57/57	64/50/50	54/45/45		
15 psf	C	0 to 7	All Mounts	80/80/76	80/80/73	80/80/70	80/80/64	80/79/59	80/77/54	80/75/50	80/73/47	80/69/44	80/65/41	80/61/38	80/53/34	77/47/30	74/42/27		
		7 to 27	All Mounts	87/87/78	87/87/75	87/85/73	87/82/69	87/80/63	87/78/59	87/76/54	87/74/50	87/72/47	87/68/44	87/64/41	83/56/36	80/50/32	77/45/29		
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/71/71	73/64/64		
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/68/68	74/60/60	69/54/54		
		0 to 7	All Mounts	80/79/59	80/76/53	80/74/49	80/72/45	80/66/41	80/61/38	80/56/35	80/52/33	78/49/31	76/45/29	74/43/27	70/37/24	62/33/21	55/30/19		
	D	7 to 27	All Mounts	87/80/63	87/78/58	87/75/53	87/73/48	87/70/45	85/60/38	82/55/35	80/51/33	78/48/31	76/45/29	74/40/25	69/35/23	61/31/20	54/45/45		
		27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	73/69/69	71/67/67	68/57/57	64/50/50	54/45/45		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/71/71	76/66/66	74/62/62	73/58/58	71/54/54	68/54/54	64/42/42	49/38/38		
		0 to 7	All Mounts	75/74/49	75/71/45	75/65/41	75/60/38	75/55/35	75/51/32	75/47/30	75/44/28	73/41/26	71/38/24	69/35/23	67/32/22	63/28/28	46/25/16		
		7 to 27	All Mounts	84/75/53	84/73/48	84/69/44	84/63/41	84/58/37	82/54/35	80/50/32	78/46/30	76/43/28	74/40/26	72/38/24	65/33/21	57/30/19	51/26/17		
20 psf	D	27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	74/66/66	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/38/38		
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/70/70	75/65/65	73/60/60	72/56/56	67/52/52	62/49/49	58/45/45	51/40/40	46/36/36	41/32/32		
		0 to 7	All Mounts	71/71/71	71/71/71	71/71/70	71/71/64	71/71/59	71/71/54	71/71/50	71/71/47	71/69/44	71/65/41	71/61/38	71/53/34	71/47/30	74/42/27		
		7 to 27	All Mounts	79/79/78	79/79/75	79/79/73	79/79/69	79/79/63	79/78/59	79/76/54	79/74/50	79/72/47	79/68/44	79/64/41	79/56/36	78/50/32	77/45/29		
		27 to 45	All Mounts	90/90/90	90/90/90	90/90/90	90/90/90	90/90/90	88/88/88	87/87/87	86/86/86	84/84/84	83/83/83	81/81/81	79/79/79	78/78/78	76/76/76		
	B	45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/68/68	74/60/60	69/54/54		
		0 to 7	All Mounts	71/71/59	71/71/53	71/71/49	71/71/45	71/71/41	71/71/38	71/71/35	71/71/33	71/71/31	71/71/29	71/71/27	71/71/25	71/71/23	71/71/21		
		7 to 27	All Mounts	79/79/63	79/78/58	79/75/53	79/73/48	79/70/45	79/67/41	79/60/38	79/55/35	79/51/33	78/48/31	77/45/29	74/40/25	69/35/23	61/31/20		
		27 to 45	All Mounts	90/90/90	88/87/87	86/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	73/69/69	71/67/67	68/57/57	64/50/50	54/45/45		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/71/71	76/66/66	74/62/62	73/58/58	71/54/54	68/54/54	64/42/42	49/38/38		
25 psf	D	0 to 7	All Mounts	71/71/49	71/71/45	71/71/41	71/71/38	71/71/35	71/71/32	71/71/30	71/71/28	71/71/26	71/71/24	71/71/22	71/71/20	71/71/18	71/71/16		
		7 to 27	All Mounts	81/75/53	81/73/48	81/69/44	81/63/41	81/58/37</											

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)		SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 3 3-Rail -- 72-Cell																				
Ground Snow Load	Exposure Category	Wind Speed > Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph						
30 psf	B	0 to 7	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 70	71 / 71 / 64	71 / 71 / 59	71 / 71 / 54	71 / 71 / 50	71 / 71 / 47	71 / 69 / 44	71 / 65 / 41	71 / 61 / 38	71 / 53 / 34	71 / 47 / 30	71 / 42 / 27					
		7 to 27	All Mounts	74 / 74 / 74	74 / 74 / 74	74 / 74 / 73	74 / 74 / 69	74 / 74 / 63	74 / 74 / 59	74 / 74 / 54	74 / 74 / 50	74 / 74 / 47	74 / 68 / 44	74 / 64 / 41	74 / 56 / 36	74 / 51 / 32	73 / 45 / 29	73 / 40 / 26				
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	77 / 75 / 75	75 / 71 / 71	73 / 64 / 64	69 / 54 / 54	66 / 40 / 40				
		45 to 90	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	92 / 87 / 87	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 68 / 68	74 / 60 / 60	71 / 50 / 50	68 / 40 / 40				
		0 to 7	All Mounts	71 / 71 / 59	71 / 71 / 53	71 / 71 / 49	71 / 66 / 41	71 / 61 / 38	71 / 56 / 35	71 / 51 / 33	71 / 45 / 29	71 / 43 / 27	70 / 37 / 24	62 / 31 / 21	55 / 30 / 19	53 / 24 / 20	50 / 19 / 15	47 / 14 / 10				
	C	7 to 27	All Mounts	74 / 74 / 63	74 / 74 / 58	74 / 74 / 53	74 / 72 / 48	74 / 70 / 45	74 / 64 / 41	74 / 60 / 38	74 / 56 / 35	74 / 51 / 33	71 / 45 / 29	71 / 43 / 27	70 / 37 / 24	62 / 31 / 21	55 / 30 / 19	53 / 24 / 20				
		27 to 45	All Mounts	86 / 86 / 86	85 / 85 / 85	83 / 83 / 83	82 / 82 / 82	81 / 80 / 80	79 / 78 / 78	78 / 76 / 76	77 / 74 / 74	76 / 72 / 72	75 / 69 / 69	73 / 58 / 58	71 / 40 / 40	68 / 35 / 23	65 / 30 / 26	62 / 25 / 21				
		45 to 90	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 66 / 66	74 / 62 / 62	73 / 58 / 58	71 / 40 / 40	68 / 35 / 23	65 / 30 / 26	62 / 25 / 21	59 / 20 / 16				
		0 to 7	All Mounts	71 / 71 / 49	71 / 71 / 45	71 / 65 / 41	71 / 60 / 38	71 / 55 / 35	71 / 51 / 32	71 / 47 / 30	71 / 44 / 28	71 / 41 / 26	71 / 38 / 24	70 / 34 / 20	65 / 33 / 21	62 / 28 / 18	59 / 23 / 19	56 / 18 / 14				
		7 to 27	All Mounts	76 / 75 / 53	76 / 73 / 48	76 / 69 / 44	76 / 65 / 41	76 / 58 / 37	76 / 54 / 32	74 / 46 / 30	74 / 41 / 36	74 / 38 / 32	73 / 34 / 26	72 / 62 / 62	70 / 57 / 57	65 / 54 / 54	57 / 47 / 47	51 / 42 / 42				
35 psf	D	27 to 45	All Mounts	84 / 84 / 84	84 / 84 / 84	84 / 80 / 80	80 / 78 / 78	79 / 75 / 75	77 / 73 / 73	75 / 71 / 71	74 / 66 / 66	72 / 56 / 56	71 / 40 / 40	68 / 35 / 23	65 / 30 / 26	62 / 25 / 21	59 / 20 / 16	56 / 15 / 11				
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 70 / 70	75 / 65 / 65	73 / 60 / 60	72 / 56 / 56	71 / 52 / 52	69 / 49 / 49	66 / 46 / 46	63 / 38 / 38	60 / 34 / 30	57 / 31 / 27	54 / 26 / 22				
		0 to 7	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68			
		7 to 27	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 69	72 / 72 / 63	72 / 72 / 59	72 / 72 / 50	72 / 68 / 44	72 / 64 / 41	72 / 56 / 36	71 / 50 / 32	70 / 45 / 29	70 / 40 / 35	69 / 35 / 23	68 / 30 / 26	67 / 25 / 21	66 / 20 / 16			
		27 to 45	All Mounts	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84			
	B	0 to 7	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	92 / 87 / 87	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 68 / 68	74 / 60 / 60	71 / 50 / 50	68 / 40 / 40	65 / 30 / 26			
		7 to 27	All Mounts	68 / 68 / 59	68 / 68 / 53	68 / 68 / 49	68 / 68 / 45	68 / 66 / 41	68 / 61 / 38	68 / 56 / 35	68 / 52 / 33	68 / 49 / 31	68 / 45 / 29	67 / 41 / 33	65 / 37 / 24	62 / 33 / 21	59 / 29 / 25	56 / 25 / 21	53 / 21 / 17			
		27 to 45	All Mounts	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	79 / 79 / 79	78 / 78 / 78	77 / 76 / 76	76 / 74 / 74	75 / 72 / 72	74 / 69 / 69	73 / 64 / 64	71 / 57 / 57	68 / 48 / 48	65 / 38 / 38	62 / 28 / 24	59 / 23 / 19			
		45 to 90	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 66 / 66	74 / 62 / 62	73 / 58 / 58	71 / 50 / 50	68 / 45 / 45	65 / 35 / 23	62 / 25 / 21	59 / 20 / 16	56 / 15 / 11			
		0 to 7	All Mounts	70 / 70 / 49	70 / 65 / 41	70 / 60 / 38	70 / 55 / 35	70 / 51 / 32	70 / 47 / 30	70 / 44 / 28	70 / 41 / 26	70 / 38 / 24	67 / 36 / 22	58 / 31 / 20	52 / 28 / 18	46 / 25 / 16	40 / 15 / 11	34 / 10 / 7	28 / 5 / 2			
40 psf	D	7 to 27	All Mounts	73 / 73 / 53	73 / 73 / 48	73 / 69 / 44	73 / 63 / 41	73 / 58 / 37	73 / 54 / 35	73 / 50 / 32	72 / 46 / 30	72 / 43 / 28	71 / 40 / 26	65 / 33 / 21	57 / 30 / 19	53 / 24 / 20	50 / 19 / 15	47 / 14 / 10	44 / 9 / 5			
		27 to 45	All Mounts	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	79 / 78 / 78	78 / 75 / 75	76 / 73 / 73	75 / 71 / 71	74 / 66 / 66	72 / 62 / 62	70 / 57 / 57	65 / 54 / 54	57 / 47 / 47	51 / 42 / 42	45 / 38 / 38	41 / 32 / 32	37 / 27 / 23			
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 70 / 70	75 / 65 / 65	73 / 60 / 60	72 / 56 / 56	71 / 52 / 52	69 / 49 / 49	66 / 46 / 46	63 / 38 / 38	60 / 34 / 30	57 / 31 / 27	54 / 26 / 22	51 / 21 / 17			
		0 to 7	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65			
		7 to 27	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 69	70 / 70 / 63	70 / 70 / 59	70 / 70 / 54	70 / 70 / 50	70 / 68 / 44	70 / 64 / 41	70 / 56 / 36	69 / 50 / 32	68 / 45 / 29	67 / 30 / 19	66 / 25 / 21	65 / 20 / 16	64 / 15 / 11			
	B	27 to 45	All Mounts	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	86 / 81 / 81	80 / 80 / 80	79 / 78 / 78	77 / 77 / 77	75 / 75 / 75	73 / 71 / 71	71 / 69 / 68	74 / 60 / 60	69 / 54 / 54	66 / 40 / 40	63 / 30 / 26			
		45 to 90	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	92 / 87 / 87	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 68 / 68	74 / 60 / 60	71 / 50 / 50	68 / 40 / 40	65 / 30 / 26			
		0 to 7	All Mounts	65 / 65 / 59	65 / 65 / 49	65 / 65 / 45	65 / 65 / 41	65 / 61 / 38	65 / 56 / 35	65 / 52 / 33	65 / 49 / 31	65 / 45 / 29	65 / 41 / 26	62 / 37 / 24	55 / 30 / 19	53 / 24 / 20	50 / 19 / 15	47 / 14 / 10	44 / 9 / 5			
		7 to 27	All Mounts	70 / 70 / 63	70 / 70 / 58	70 / 70 / 53	70 / 60 / 48	70 / 50 / 43	70 / 40 / 33	70 / 30 / 26	69 / 20 / 13	68 / 10 / 3	67 / 0 / 0	66 / 0 / 0	65 / 0 / 0	64 / 0 / 0	63 / 0 / 0	62 / 0 / 0	61 / 0 / 0			
		27 to 45	All Mounts	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 74 / 74	74 / 72 / 72	73 / 69 / 69	72 / 64 / 64	71 / 50 / 50	68 / 45 / 45	65 / 35 / 23	62 / 25 / 21	59 / 20 / 16			
45 psf	D	0 to 7	All Mounts	67 / 67 / 49	67 / 67 / 45	67 / 65 / 41	67 / 60 / 38	67 / 55 / 35	67 / 51 / 32	67 / 47 / 30	67 / 44 / 28	67 / 41 / 26	67 / 38 / 24	66 / 36 / 22	58 / 31 / 20	52 / 28 / 18	46 / 25 / 16	40 / 15 / 11	34 / 10 / 7			
		7 to 27	All Mounts	71 / 71 / 53	71 / 71 / 48	71 / 68 / 44	71 / 63 / 41	71 / 58 / 37	71 / 54 / 35	71 / 50 / 32	70 / 46 / 30	70 / 43 / 28	69 / 40 / 26	68 / 38 / 24	65 / 33 / 21	57 / 30 / 19	53 / 24 / 20	50 / 19 / 15	47 / 14 / 10			
		27 to 45	All Mounts	82 / 82 / 82	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74	73 / 73 / 73	72 / 72 / 72	71 / 71 / 71	70 / 70 / 70	69 / 69 / 69	68 / 68 / 68	67 / 67 / 67	66 / 66 / 66			
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 70 / 70	75 / 65 / 65	73 / 60 / 60	72 / 56 / 56	71 / 52 / 52	69 / 49 / 49	66 / 46 / 46	63 / 38 / 38	60 / 34 / 30	57 / 31 / 27	54 / 26 / 22	51 / 21 / 17			
		0 to 7	All Mounts	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62			
	B	7 to 27	All Mounts	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67			
		27 to 45	All Mounts	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74	73 / 72 / 72	72 / 69 / 69	71 / 64 / 64	68 / 57 / 57	64 / 40 / 40	61 / 30 / 26	58 / 25 / 21	55 / 20 / 16	52 / 15 / 11		
		45 to 90	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 66 / 66	74 / 62 / 62	73 / 58 / 58	71 / 50 / 50	68 / 45 / 45	65 / 35 / 23	62 / 25 / 21	59 / 20 / 16	56 / 15 / 11	53 / 10 / 7		
		0 to 7	All Mounts	65 / 65 / 49	65 / 65 / 45	65 / 65 / 41	65 / 60 / 38	65 / 55 / 35	65 / 47 / 30	65 / 44 / 28	65 / 41 / 26	65 / 36 / 22	65 / 32 / 21	58 / 31 / 20	52 / 28 / 18	46 / 25 / 16	40 / 15 / 11	34 / 10 / 7	28 / 5 / 2			
		7 to 27	All Mounts	70 / 70 / 53	70 / 70 / 48	70 / 69 / 44	70 / 63 / 41	70 / 58 / 37	70 / 54 / 35	69 / 50 / 32	68 / 46 / 30	68 / 43 / 28	67 / 40 / 26	66 / 38 / 24	65 / 33 / 21	57 / 30 / 19	53 / 24 / 20	50 / 19 / 15	47 / 14 / 10			
50 psf	D	27 to 45	All Mount																			

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 4 3-Rail -- 72-Cell

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 4 3-Rail -- 72-Cell															
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
B	0 to 7	All Mounts	89 / 88 / 75	89 / 85 / 72	89 / 82 / 70	89 / 80 / 68	89 / 78 / 66	89 / 76 / 64	89 / 74 / 61	89 / 72 / 59	87 / 70 / 57	85 / 68 / 55	83 / 67 / 53	79 / 63 / 46	76 / 60 / 41	73 / 56 / 37		
	7 to 27	All Mounts	90 / 89 / 76	90 / 86 / 74	90 / 84 / 72	90 / 81 / 70	90 / 79 / 68	90 / 77 / 66	90 / 75 / 64	90 / 73 / 61	90 / 71 / 59	88 / 70 / 57	86 / 68 / 55	82 / 65 / 50	79 / 61 / 44	76 / 58 / 40		
	27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 89 / 89	88 / 87 / 87	87 / 84 / 84	85 / 82 / 82	83 / 80 / 80	81 / 76 / 76	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63		
	45 to 90	All Mounts	92 / 92 / 92	92 / 91 / 91	92 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63	67 / 46 / 29		
	0 to 7	All Mounts	89 / 78 / 66	89 / 75 / 63	89 / 73 / 61	88 / 71 / 58	85 / 69 / 56	83 / 67 / 53	81 / 65 / 49	79 / 63 / 46	78 / 60 / 43	75 / 58 / 40	73 / 52 / 37	70 / 52 / 33	67 / 46 / 29	64 / 41 / 26		
C	7 to 27	All Mounts	90 / 79 / 68	90 / 76 / 66	90 / 74 / 63	90 / 72 / 60	88 / 70 / 58	86 / 68 / 56	83 / 66 / 53	81 / 64 / 49	79 / 62 / 46	78 / 60 / 43	75 / 58 / 40	73 / 55 / 35	70 / 49 / 31	67 / 44 / 28		
	27 to 45	All Mounts	90 / 89 / 89	88 / 86 / 86	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 77 / 77	78 / 75 / 75	77 / 73 / 73	75 / 71 / 71	74 / 70 / 70	72 / 68 / 68	70 / 65 / 65	66 / 61 / 61	63 / 58 / 58		
	45 to 90	All Mounts	89 / 84 / 84	86 / 81 / 81	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 49 / 31	66 / 43 / 28	63 / 56 / 56	60 / 53 / 53	59 / 35 / 22		
	0 to 7	All Mounts	89 / 73 / 61	88 / 71 / 58	85 / 69 / 55	82 / 67 / 52	80 / 64 / 48	78 / 62 / 44	76 / 59 / 41	74 / 57 / 38	72 / 55 / 36	70 / 53 / 36	68 / 46 / 30	66 / 41 / 26	63 / 37 / 24	60 / 34 / 24		
	27 to 45	All Mounts	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 71 / 71	73 / 69 / 69	71 / 67 / 67	69 / 62 / 62	67 / 60 / 60	64 / 60 / 60	61 / 56 / 56	58 / 52 / 52		
D	45 to 90	All Mounts	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	70 / 63 / 46	67 / 60 / 41	65 / 58 / 58	62 / 55 / 55	58 / 49 / 49	55 / 44 / 44	52 / 40 / 40		
	0 to 7	All Mounts	86 / 86 / 76	86 / 83 / 74	86 / 80 / 68	86 / 78 / 66	86 / 76 / 64	86 / 74 / 61	86 / 72 / 59	84 / 68 / 56	82 / 70 / 57	80 / 68 / 55	78 / 66 / 53	76 / 60 / 43	74 / 58 / 40	72 / 56 / 37		
	7 to 27	All Mounts	90 / 89 / 76	90 / 86 / 74	90 / 84 / 72	90 / 81 / 70	90 / 79 / 68	90 / 77 / 66	90 / 75 / 64	90 / 73 / 61	90 / 71 / 59	88 / 70 / 57	86 / 68 / 55	82 / 65 / 50	79 / 61 / 44	76 / 58 / 40		
	27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 89 / 89	88 / 87 / 87	87 / 84 / 84	85 / 82 / 82	83 / 80 / 80	81 / 76 / 76	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63		
	45 to 90	All Mounts	92 / 92 / 92	92 / 91 / 91	92 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63	67 / 46 / 29		
B	7 to 27	All Mounts	86 / 86 / 76	86 / 83 / 74	86 / 84 / 72	86 / 81 / 70	86 / 79 / 68	86 / 77 / 66	86 / 75 / 64	86 / 73 / 61	86 / 71 / 59	84 / 68 / 56	82 / 65 / 50	79 / 61 / 44	76 / 58 / 40	73 / 56 / 37		
	27 to 45	All Mounts	89 / 88 / 75	89 / 85 / 72	89 / 82 / 70	89 / 80 / 68	89 / 78 / 66	89 / 76 / 64	89 / 74 / 61	89 / 72 / 59	87 / 70 / 57	85 / 68 / 55	83 / 67 / 53	79 / 63 / 46	76 / 60 / 41	73 / 56 / 37		
	45 to 90	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 89 / 89	88 / 87 / 87	87 / 84 / 84	85 / 82 / 82	83 / 80 / 80	81 / 76 / 76	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63		
	0 to 7	All Mounts	89 / 73 / 61	88 / 71 / 58	85 / 69 / 55	82 / 67 / 52	80 / 64 / 48	78 / 62 / 44	76 / 59 / 41	74 / 57 / 38	72 / 55 / 36	70 / 53 / 36	68 / 46 / 30	66 / 41 / 26	63 / 37 / 24	60 / 34 / 24		
	27 to 45	All Mounts	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 71 / 71	73 / 69 / 69	71 / 67 / 67	69 / 62 / 62	67 / 60 / 60	64 / 60 / 60	61 / 56 / 56	58 / 52 / 52		
C	7 to 27	All Mounts	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	70 / 63 / 46	67 / 60 / 41	65 / 58 / 58	62 / 55 / 55	58 / 49 / 49	55 / 44 / 44	52 / 40 / 40		
	27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	91 / 91 / 91	90 / 89 / 89	88 / 87 / 87	87 / 84 / 84	85 / 82 / 82	83 / 80 / 80	81 / 76 / 76	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63		
	45 to 90	All Mounts	92 / 92 / 92	92 / 91 / 91	92 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63	67 / 46 / 29		
	0 to 7	All Mounts	82 / 79 / 68	82 / 76 / 66	82 / 74 / 63	82 / 71 / 60	82 / 70 / 58	82 / 68 / 56	82 / 66 / 53	81 / 64 / 49	79 / 62 / 46	78 / 60 / 43	75 / 58 / 40	73 / 52 / 37	70 / 52 / 33	67 / 46 / 29		
	27 to 45	All Mounts	90 / 89 / 89	88 / 86 / 86	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 77 / 77	78 / 75 / 75	77 / 73 / 73	75 / 71 / 71	74 / 70 / 70	72 / 68 / 68	70 / 65 / 65	66 / 61 / 61	63 / 58 / 58		
D	45 to 90	All Mounts	89 / 84 / 84	86 / 81 / 81	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 49 / 31	66 / 43 / 28	63 / 56 / 56	60 / 53 / 53	59 / 35 / 22		
	0 to 7	All Mounts	87 / 74 / 63	87 / 72 / 60	87 / 70 / 58	85 / 68 / 55	83 / 66 / 52	81 / 64 / 48	79 / 61 / 44	74 / 57 / 38	72 / 55 / 36	70 / 53 / 36	68 / 46 / 30	66 / 41 / 26	63 / 37 / 24	60 / 34 / 24		
	27 to 45	All Mounts	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 71 / 71	73 / 69 / 69	71 / 67 / 67	69 / 62 / 62	67 / 60 / 60	64 / 60 / 60	61 / 56 / 56	58 / 52 / 52		
	45 to 90	All Mounts	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	70 / 63 / 46	67 / 60 / 41	65 / 58 / 58	62 / 55 / 55	58 / 49 / 49	55 / 44 / 44	52 / 40 / 40		
	0 to 7	All Mounts	82 / 82 / 76	82 / 81 / 74	82 / 80 / 72	82 / 79 / 64	82 / 79 / 68	82 / 79 / 66	82 / 79 / 64	82 / 79 / 61	82 / 79 / 59	82 / 79 / 57	82 / 79 / 55	82 / 79 / 53	82 / 79 / 51	82 / 79 / 49		
B	7 to 27	All Mounts	92 / 92 / 92	92 / 91 / 91	92 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63	67 / 46 / 29		
	27 to 45	All Mounts	82 / 79 / 68	82 / 76 / 66	82 / 74 / 63	82 / 71 / 60	82 / 70 / 58	82 / 68 / 56	82 / 66 / 53	81 / 64 / 49	79 / 62 / 46	78 / 60 / 43	75 / 58 / 40	73 / 52 / 37	70 / 52 / 33	67 / 46 / 29		
	45 to 90	All Mounts	90 / 89 / 89	88 / 86 / 86	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 77 / 77	78 / 75 / 75	77 / 73 / 73	75 / 71 / 71	74 / 70 / 70	72 / 68 / 68	70 / 65 / 65	66 / 61 / 61	63 / 58 / 58		
	0 to 7	All Mounts	89 / 84 / 84	86 / 81 / 81	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	77 / 71 / 71	75 / 69 / 69	72 / 66 / 66	69 / 49 / 31	66 / 43 / 28	63 / 56 / 56	60 / 53 / 53	59 / 35 / 22		
	27 to 45	All Mounts	84 / 73 / 61	84 / 71 / 58	84 / 69 / 55	84 / 67 / 52	84 / 64 / 48	84 / 62 / 44	84 / 59 / 41	84 / 57 / 38	84 / 55 / 36	84 / 53 / 36	84 / 51 / 36	84 / 49 / 31	84 / 47 / 28	84 / 45 / 24		
C	7 to 27	All Mounts	83 / 74 / 63	83 / 72 / 60	83 / 70 / 58	83 / 68 / 55	83 / 66 / 52	83 / 64 / 48	83 / 62 / 44	83 / 60 / 40	83 / 58 / 36	83 / 56 / 32	83 / 54 / 28	83 / 52 / 24	83 / 50 / 20	83 / 48 / 16		
	27 to 45	All Mounts	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 71 / 71	73 / 69 / 69	71 / 67 / 67	69 / 62 / 62	67 / 60 / 60	64 / 60 / 60	61 / 56 / 56	58 / 52 / 52		
	45 to 90	All Mounts	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	70 / 63 / 46	67 / 60 / 41	65 / 58 / 58	62 / 55 / 55	58 / 49 / 49	55 / 44 / 44	52 / 40 / 40		
	0 to 7	All Mounts	80 / 70 / 70	80 / 70 / 70	80 / 70 / 70	80 / 70 / 70	80 / 70 / 66	80 / 70 / 62	80 / 70 / 58	80 / 70 / 54	80 / 70 / 50	80 / 70 / 46	80 / 70 / 42	80 / 70 / 38	80 / 70 / 34	80 / 70 / 30		
	7 to 27	All Mounts	78 / 78 / 76	78 / 78 / 74	78 / 78 / 72	78 / 78 / 70	78 / 78 / 66	78 / 77 / 66	78 / 77 / 64	78 / 77 / 62	78 / 77 / 60	78 / 77 / 58	78 / 77 / 56	78 / 77 / 54	78 / 77 / 52	78 / 77 / 50		
D	27 to 45	All Mounts	92 / 92 / 92	92 / 91 / 91	92 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63	67 / 46 / 29		
	45 to 90	All Mounts	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66	90 / 70 / 66		
	0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 68	70 / 70 / 66	70 / 70 / 64	70 / 70 / 62	70 / 70 / 60	70 / 70 / 58	70 / 70 / 56	70 / 70 / 54	70 / 70 / 52	70 / 70 / 50		
	27 to 45	All Mounts	75 / 75 / 75	75 / 75 / 74	75 / 75 / 72	75 / 75 / 70	75 / 75 / 68	75 / 75 / 66	75 / 75 / 64	75 / 75 / 62	75 / 75 / 60	75 / 75 / 58	75 / 75 / 56	75 / 75 / 54	75 / 75 / 52	75 / 75 / 50		
	45 to 90	All Mounts	92 / 92 / 92	92 / 91 / 91	92 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67	70 / 63 / 63	67 / 46 / 29		
C	0 to 7	All Mounts	70 / 70 / 66	70 / 70 / 63	70 / 70 / 61	70 / 70 / 58	70 / 69 / 55	70 / 67 / 52	70 / 65 / 49	70 / 63 / 46	70 / 61 / 44	70 / 59 / 41	70 / 57 / 38	70 / 55 / 36	70 / 53 / 36	70 / 51 / 36		
	7 to 27	All Mounts	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 71 / 71	73 / 69 / 69	71 / 67 / 67	69 / 62 / 62	67 / 60 / 60	64 / 60 / 60	61 / 56 / 56	58 / 52 / 52		
	27 to 45	All Mounts	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	82 / 81 / 81	81 / 80 / 80	80 / 79 / 79	79 / 78 / 78	78 / 77 / 77	77 / 76 / 76	76 / 75 / 75	75 / 74 / 74	74 / 73 / 73	73 / 72 / 72		
	45 to 90	All Mounts	88 / 88 / 88	86 / 86 / 86	84 / 84 / 84	82 / 82 / 82	80 / 80 / 80	78 / 78 / 78	76 / 76 / 76	74 / 74 / 74	72 / 72 / 72	70 / 70 / 70	68 / 68 / 68	66 / 66 / 66	64 / 64 / 64	62 / 62 / 62		
	0 to 7	All Mounts	80 / 70 / 61	80 / 70 / 58	80 / 70 / 55	80 / 70 / 52	80 / 70 / 49	80 / 70 / 46	80 / 70 / 43	80 / 70 / 40	80 / 70 / 37	80 / 70 / 34	80 / 70 / 31	80 / 70 / 28	80 / 70 / 25	80 / 70 / 22		
D	27 to 45	All Mounts	86 / 84 / 84	84 / 81 / 81	82 / 79 / 79	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 71 / 71	73 / 69 / 69	71 / 67 / 67	69 / 62 / 62	67 / 60 / 60	64 / 60 / 60	61 / 56 / 56	58 / 52 / 52		
	45 to 90	All Mounts	84 / 79 / 79	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 67 / 67	70 / 63 / 46	67 / 60 / 41	65 / 58 / 58	62 / 55 / 55	58 / 49 / 49	55 / 44 / 44	52 / 40 / 40		
	0 to 7	All Mounts	70 / 70 / 70															

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 5 3-Rail -- 72-Ceil

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	Wind Speed (mph)															
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	71/71/71	71/71/71	71/71/71	71/71/69	71/71/67	71/71/65	71/71/63	71/71/61	71/71/57	71/69/53	71/65/44	71/61/39	71/55/35			
		7 to 27	All Mounts	74/74/74	74/74/74	74/74/74	74/74/71	74/74/69	74/74/65	74/74/63	74/74/61	74/72/61	74/69/54	74/66/47	73/63/42	72/59/38			
		27 to 45	All Mounts	86/86/86	86/86/86	86/86/86	86/86/86	86/86/86	85/85/85	84/84/84	83/83/83	81/81/81	80/80/80	79/78/78	77/75/75	76/73/72	72/59/38		
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65		
		0 to 7	All Mounts	71/71/67	71/71/65	71/71/62	71/71/59	71/70/54	71/69/50	71/67/47	71/64/43	71/62/40	71/59/35	71/49/31	68/44/28	66/39/25			
	C	7 to 27	All Mounts	74/74/69	74/74/64	74/74/64	74/73/61	74/71/58	74/69/54	74/67/47	74/64/43	74/62/40	72/59/35	71/52/33	70/46/30	68/41/27			
		27 to 45	All Mounts	86/86/86	85/85/85	83/83/83	82/82/82	81/80/80	79/78/78	78/76/76	77/74/74	76/72/72	75/71/71	73/69/69	67/63/63	64/59/59			
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	66/56/56			
		0 to 7	All Mounts	71/71/62	71/71/59	71/70/54	71/68/49	71/66/46	71/63/42	71/61/39	71/58/36	71/54/32	70/47/30	67/41/26	64/37/23	60/33/21			
		7 to 27	All Mounts	76/75/64	76/73/61	76/71/58	76/69/53	76/67/49	76/65/45	75/62/42	74/60/39	74/57/36	72/50/32	69/44/28	67/39/25	63/35/22			
35 psf	B	27 to 45	All Mounts	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77			
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		0 to 7	All Mounts	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/65	68/68/63	68/68/61	68/68/57	68/68/53	68/65/44	68/61/39	68/55/35			
		7 to 27	All Mounts	72/72/72	72/72/72	72/72/72	72/72/72	72/72/69	72/72/67	72/72/63	72/72/62	72/72/62	72/69/54	72/66/47	71/63/42	70/59/38			
		27 to 45	All Mounts	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/75			
	C	27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		0 to 7	All Mounts	72/72/69	72/72/69	72/72/64	72/72/64	72/71/58	72/69/54	72/67/52	72/66/47	72/66/43	72/63/38	72/61/35	68/46/30	66/31/27			
		7 to 27	All Mounts	84/84/84	83/83/83	82/82/82	81/81/81	79/79/79	78/78/78	77/76/76	76/74/74	75/72/72	74/71/71	73/69/69	71/66/66	69/59/59			
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	66/56/56			
40 psf	D	0 to 7	All Mounts	70/70/62	70/70/59	70/70/54	70/68/49	70/66/46	70/63/42	70/61/39	70/58/36	70/54/32	70/47/30	67/41/26	64/37/23	60/33/21			
		7 to 27	All Mounts	73/73/64	73/73/61	73/71/58	73/69/53	73/67/49	73/65/45	72/62/42	72/60/39	72/57/36	71/53/34	69/44/28	67/39/25	63/35/22			
		27 to 45	All Mounts	83/83/83	82/82/82	80/80/80	79/78/78	78/75/75	76/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	67/61/61	65/59/59			
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	65/57/57	63/53/53			
		0 to 7	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/63	65/65/61	65/65/57	65/65/53	65/65/44	65/61/39	65/55/35			
	B	7 to 27	All Mounts	70/70/70	70/70/70	70/70/70	70/70/70	70/70/69	70/70/65	70/70/63	70/70/61	70/70/58	70/69/54	70/66/47	69/63/42	68/59/38			
		27 to 45	All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	75/75/75	73/72/72			
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		0 to 7	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/63	65/65/61	65/65/57	65/65/53	65/65/44	65/61/39	65/55/35			
		7 to 27	All Mounts	71/71/61	71/71/58	71/71/58	71/69/53	71/67/49	71/65/45	71/62/42	70/60/39	70/57/36	69/53/34	68/50/32	65/49/31	63/45/22			
45 psf	D	27 to 45	All Mounts	82/82/82	80/80/80	79/79/79	78/78/78	77/75/75	75/73/73	74/72/72	73/70/70	72/68/68	71/67/67	69/65/65	67/61/61	65/59/59			
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	65/57/57	63/53/53			
		0 to 7	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62			
		7 to 27	All Mounts	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67			
		27 to 45	All Mounts	81/81/81	80/80/80	79/79/79	78/78/78	77/75/75	76/74/74	75/72/72	74/70/70	73/67/67	72/64/74	71/61/71	69/59/59	67/57/57			
	B	7 to 27	All Mounts	81/81/81	81/81/81	81/81/81	81/81/81	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/74/74	73/72/72	71/69/69			
		27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59			
		7 to 27	All Mounts	65/65/65	65/65/65	65/65/64	65/65/61	65/65/58	65/65/54	65/65/50	65/65/47	64/63/43	63/59/38	62/52/33	61/46/30	60/41/27			
50 psf	D	27 to 45	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	66/56/56			
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	66/56/56			
		0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59			
		7 to 27	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65			
		27 to 45	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77			
	B	7 to 27	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77			
		27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68			
		0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59			
		7 to 27	All Mounts	65/65/65	65/65/65	65/65/64	65/65/61	65/65/58	65/65/54	65/65/50	65/65/47	64/63/43	63/59/38	62/52/33	61/46/30	60/41/27			
60 psf	D	27 to 45	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	66/56/56			
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	66/56/56			
		0 to 7	All Mounts	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57			
		7 to 27	All Mounts	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63						

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)																		
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->															
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
0 psf	B	0 to 7	All Mounts	90 / 89 / 76	90 / 86 / 73	90 / 81 / 69	90 / 81 / 63	90 / 79 / 67	90 / 77 / 65	90 / 75 / 63	90 / 73 / 61	88 / 71 / 58	86 / 68 / 56	84 / 68 / 55	80 / 65 / 48	77 / 61 / 43	74 / 57 / 38	
		7 to 27	All Mounts	91 / 91 / 78	91 / 88 / 75	91 / 82 / 71	91 / 80 / 69	91 / 78 / 67	91 / 76 / 65	85 / 83 / 83	86 / 83 / 81	83 / 80 / 80	81 / 78 / 78	78 / 75 / 75	76 / 70 / 70	73 / 69 / 69	71 / 65 / 65	
		27 to 45	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 90 / 90	90 / 88 / 88	88 / 86 / 86	86 / 83 / 81	84 / 79 / 79	83 / 80 / 80	81 / 78 / 78	78 / 75 / 75	76 / 70 / 70	73 / 69 / 69	71 / 65 / 65	
		45 to 90	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 70 / 70	74 / 68 / 68	71 / 65 / 65	68 / 45 / 29	
		0 to 7	All Mounts	90 / 79 / 67	90 / 76 / 65	90 / 74 / 62	89 / 72 / 59	88 / 70 / 57	86 / 68 / 55	84 / 66 / 51	80 / 64 / 48	76 / 60 / 41	74 / 58 / 39	71 / 54 / 34	68 / 40 / 25	66 / 43 / 27		
	C	7 to 27	All Mounts	91 / 80 / 69	91 / 78 / 67	91 / 75 / 64	89 / 73 / 61	88 / 71 / 59	85 / 67 / 55	82 / 66 / 51	80 / 63 / 48	79 / 61 / 45	77 / 59 / 42	74 / 56 / 37	71 / 51 / 33	68 / 45 / 29		
		27 to 45	All Mounts	92 / 90 / 90	89 / 87 / 87	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 76 / 76	78 / 74 / 74	76 / 72 / 72	75 / 71 / 71	73 / 69 / 69	71 / 66 / 66	67 / 63 / 63		
		45 to 90	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	73 / 67 / 67	71 / 65 / 65	68 / 61 / 61	64 / 59 / 59		
		0 to 7	All Mounts	90 / 74 / 62	89 / 72 / 59	86 / 70 / 57	83 / 68 / 54	81 / 66 / 50	79 / 63 / 46	75 / 59 / 40	73 / 57 / 37	71 / 55 / 35	70 / 51 / 33	67 / 45 / 29	64 / 40 / 25	60 / 36 / 23		
		7 to 27	All Mounts	91 / 75 / 64	91 / 73 / 61	89 / 71 / 59	86 / 69 / 56	84 / 67 / 54	82 / 65 / 50	80 / 62 / 46	78 / 60 / 43	76 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	
5 psf	D	27 to 45	All Mounts	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 75 / 75	77 / 73 / 73	75 / 72 / 72	74 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 68 / 68	72 / 66 / 66	70 / 64 / 64	68 / 62 / 62	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46	
		0 to 7	All Mounts	87 / 87 / 78	87 / 86 / 75	87 / 83 / 71	81 / 82 / 71	81 / 80 / 69	81 / 78 / 78	81 / 76 / 76	81 / 74 / 74	81 / 72 / 72	81 / 70 / 70	81 / 68 / 68	81 / 66 / 66	81 / 64 / 64	81 / 62 / 62	81 / 60 / 60
		7 to 27	All Mounts	91 / 91 / 78	91 / 88 / 75	91 / 82 / 71	91 / 80 / 69	91 / 78 / 67	91 / 76 / 65	91 / 74 / 74	91 / 72 / 72	91 / 70 / 70	91 / 68 / 68	91 / 66 / 66	91 / 64 / 64	91 / 62 / 62	91 / 60 / 60	91 / 58 / 58
		27 to 45	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 90 / 90	90 / 88 / 88	88 / 86 / 86	86 / 83 / 83	84 / 81 / 81	83 / 80 / 80	81 / 78 / 78	78 / 75 / 75	76 / 72 / 72	73 / 69 / 69	71 / 65 / 65
	B	45 to 90	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 70 / 70	74 / 68 / 68	71 / 65 / 65	68 / 45 / 29	
		0 to 7	All Mounts	91 / 80 / 69	91 / 78 / 67	91 / 75 / 64	89 / 73 / 61	88 / 71 / 59	85 / 67 / 55	82 / 66 / 51	80 / 63 / 48	79 / 61 / 45	77 / 59 / 42	74 / 56 / 37	71 / 51 / 33	68 / 43 / 27	63 / 38 / 25	
		27 to 45	All Mounts	92 / 90 / 90	88 / 87 / 87	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 76 / 76	78 / 74 / 74	76 / 72 / 72	75 / 71 / 71	73 / 69 / 69	71 / 66 / 66	67 / 63 / 63	64 / 59 / 59	
		45 to 90	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	73 / 67 / 67	71 / 65 / 65	68 / 61 / 61	64 / 59 / 59	61 / 55 / 55	
		0 to 7	All Mounts	90 / 74 / 62	89 / 72 / 59	86 / 70 / 57	83 / 68 / 54	81 / 66 / 50	79 / 63 / 46	75 / 59 / 40	73 / 57 / 37	71 / 55 / 35	70 / 51 / 33	67 / 45 / 29	64 / 40 / 25	60 / 36 / 23	56 / 32 / 23	
10 psf	D	7 to 27	All Mounts	91 / 75 / 64	91 / 73 / 61	89 / 71 / 59	86 / 69 / 56	84 / 67 / 54	82 / 65 / 50	80 / 62 / 46	78 / 60 / 43	76 / 58 / 40	74 / 56 / 37	72 / 54 / 35	69 / 48 / 31	67 / 43 / 27	63 / 38 / 25	
		27 to 45	All Mounts	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 75 / 75	77 / 73 / 73	75 / 72 / 72	74 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 68 / 68	72 / 66 / 66	70 / 64 / 64	68 / 62 / 62	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46	
		0 to 7	All Mounts	80 / 78 / 76	80 / 77 / 75	80 / 76 / 75	80 / 75 / 74	80 / 74 / 73	80 / 73 / 72	80 / 72 / 71	80 / 71 / 70	80 / 70 / 69	80 / 69 / 68	80 / 68 / 67	80 / 67 / 66	80 / 66 / 65	80 / 65 / 64	80 / 64 / 63
		7 to 27	All Mounts	87 / 87 / 78	87 / 86 / 75	87 / 83 / 71	81 / 82 / 71	81 / 80 / 69	81 / 78 / 78	81 / 76 / 76	81 / 74 / 74	81 / 72 / 72	81 / 70 / 70	81 / 68 / 68	81 / 66 / 66	81 / 64 / 64	81 / 62 / 62	81 / 60 / 60
	B	27 to 45	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 90 / 90	90 / 88 / 88	88 / 86 / 86	86 / 83 / 83	84 / 81 / 81	83 / 80 / 80	81 / 78 / 78	78 / 75 / 75	76 / 72 / 72	73 / 69 / 69	71 / 65 / 65
		45 to 90	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 70 / 70	74 / 68 / 68	71 / 65 / 65	68 / 45 / 29	
		0 to 7	All Mounts	90 / 79 / 67	90 / 76 / 65	90 / 74 / 62	89 / 72 / 59	88 / 70 / 57	86 / 68 / 55	84 / 66 / 51	80 / 64 / 48	76 / 60 / 41	74 / 58 / 39	71 / 54 / 34	68 / 40 / 25	66 / 43 / 27	63 / 38 / 25	
		27 to 45	All Mounts	92 / 90 / 90	88 / 87 / 87	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 76 / 76	78 / 74 / 74	76 / 72 / 72	75 / 71 / 71	73 / 69 / 69	71 / 66 / 66	67 / 63 / 63	64 / 59 / 59	
		45 to 90	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	73 / 67 / 67	71 / 65 / 65	68 / 61 / 61	64 / 59 / 59	61 / 55 / 55	
15 psf	C	0 to 7	All Mounts	80 / 74 / 62	80 / 72 / 59	80 / 70 / 57	80 / 68 / 54	80 / 66 / 50	79 / 63 / 46	75 / 59 / 40	73 / 57 / 37	71 / 55 / 35	70 / 51 / 33	67 / 45 / 29	64 / 40 / 25	60 / 36 / 23	56 / 32 / 23	
		7 to 27	All Mounts	88 / 75 / 64	88 / 73 / 61	88 / 71 / 59	86 / 69 / 56	84 / 67 / 54	82 / 65 / 50	80 / 62 / 46	78 / 60 / 43	76 / 58 / 40	74 / 56 / 37	72 / 54 / 35	69 / 48 / 31	67 / 43 / 27	63 / 38 / 25	
		27 to 45	All Mounts	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 75 / 75	77 / 73 / 73	75 / 72 / 72	74 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 68 / 68	72 / 66 / 66	70 / 64 / 64	68 / 62 / 62	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46	
		0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 73	75 / 75 / 71	75 / 75 / 69	75 / 75 / 65	75 / 75 / 63	75 / 73 / 61	75 / 71 / 58	75 / 69 / 55	75 / 68 / 55	75 / 65 / 48	75 / 61 / 43	74 / 57 / 38	73 / 69 / 69	71 / 65 / 65
	B	7 to 27	All Mounts	83 / 83 / 78	83 / 83 / 75	83 / 82 / 71	83 / 80 / 69	83 / 76 / 65	83 / 74 / 63	84 / 81 / 81	83 / 80 / 80	81 / 78 / 78	78 / 75 / 75	76 / 72 / 72	73 / 69 / 69	71 / 65 / 65	68 / 43 / 27	63 / 38 / 25
		27 to 45	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 90 / 90	90 / 88 / 88	88 / 86 / 86	86 / 83 / 83	84 / 81 / 81	83 / 80 / 80	81 / 78 / 78	78 / 75 / 75	76 / 72 / 72	73 / 69 / 69	71 / 65 / 65
		45 to 90	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 90 / 90	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	84 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	76 / 70 / 70	74 / 68 / 68	71 / 65 / 65	68 / 45 / 29	
		0 to 7	All Mounts	75 / 75 / 67	75 / 75 / 65	75 / 74 / 62	75 / 72 / 59	75 / 70 / 57	73 / 67 / 55	72 / 66 / 51	70 / 64 / 48	68 / 62 / 46	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46	53 / 42 / 27	
		7 to 27	All Mounts	83 / 80 / 69	83 / 78 / 67	83 / 75 / 64	83 / 73 / 61	83 / 71 / 59	83 / 67 / 55	82 / 64 / 51	80 / 63 / 48	79 / 61 / 45	77 / 59 / 42	74 / 56 / 37	71 / 51 / 33	68 / 45 / 29	63 / 38 / 25	59 / 54 / 54
20 psf	D	27 to 45	All Mounts	90 / 85 / 85	88 / 82 / 82	85 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	73 / 67 / 67	71 / 65 / 65	68 / 61 / 61	64 / 59 / 59	61 / 55 / 55	
		45 to 90	All Mounts	87 / 85 / 85	85 / 82 / 82	83 / 80 / 80	81 / 78 / 78	79 / 75 / 75	77 / 73 / 73	75 / 72 / 72	74 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	
		0 to 7	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 68 / 68	72 / 66 / 66	70 / 64 / 64	68 / 62 / 62	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46	
		7 to 27	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 69	71 / 71 / 67	71 / 71 / 65	71 / 71 / 63	71 / 71 / 61	71 / 71 / 58	71 / 69 / 56	71 / 65 / 48	71 / 61 / 43	71 / 57 / 38	73 / 69 / 69	71 / 65 / 65
		27 to 45	All Mounts	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90									

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- 72-Cell

Maximum Rail Spans (Inches)

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed ->		Roof Zone ->		110 mph		115 mph		120 mph		125 mph		130 mph		135 mph		140 mph		145 mph		150 mph		155 mph		160 mph		170 mph		180 mph		190 mph																																																																																																																																																																																																																																																																																																																																																																																																																	
			0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90																																																																																																																																																																																																																																																																																																																																																																																																																
0 psf	B	All Mounts	88/86/74	88/84/71	88/81/69	88/79/67	88/76/65	88/74/62	88/72/60	88/71/58	85/69/56	83/67/54	81/66/52	78/62/49	75/58/46	72/55/44	71/67/67	69/62/62	66/61/61	63/58/58	60/54/54	57/51/51	54/48/48	51/47/35	48/44/32	45/41/29	42/38/26	39/35/23	36/32/20	33/29/18	30/26/16	27/23/14	24/20/12	21/17/10	18/14/8																																																																																																																																																																																																																																																																																																																																																																																																															
			89/88/75	88/85/73	88/82/71	88/80/69	88/78/67	88/76/65	85/83/83	84/81/81	82/79/79	80/77/77	79/76/76	77/74/74	76/72/72	73/70/70	71/67/67	68/64/64	65/60/60	62/57/57	59/54/54	56/51/51	53/48/48	50/45/45	47/42/42	44/39/39	41/36/36	38/33/33	35/30/30	32/27/27	29/24/24	26/21/21	23/18/18	20/15/15	17/12/12																																																																																																																																																																																																																																																																																																																																																																																																															
			89/89/89	89/89/89	89/89/89	89/89/89	89/88/88	87/86/85	85/83/83	84/81/81	82/79/79	80/77/77	79/76/76	77/74/74	76/72/72	73/70/70	71/67/67	68/64/64	65/60/60	62/57/57	59/54/54	56/51/51	53/48/48	50/45/45	47/42/42	44/39/39	41/36/36	38/33/33	35/30/30	32/27/27	29/24/24	26/21/21	23/18/18	20/15/15	17/12/12																																																																																																																																																																																																																																																																																																																																																																																																															
			91/91/91	91/90/90	91/87/87	90/85/85	88/82/82	86/80/80	84/78/78	82/76/76	80/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/66/66	69/62/62	67/60/60	65/63/63	63/61/61	61/59/59	59/57/57	57/55/55	55/53/53	53/51/51	51/49/49	49/47/47	47/45/45	45/43/43	43/41/41	41/39/39	39/37/37	37/35/35	35/33/33	33/31/31	31/29/29																																																																																																																																																																																																																																																																																																																																																																																																														
			88/76/65	88/74/62	88/72/59	88/70/57	84/68/54	82/66/52	79/64/50	77/61/49	75/59/47	74/57/45	72/55/44	69/52/41	66/46/39	63/46/37	60/41/31	57/36/26	54/31/21	51/26/16	48/21/11	45/16/06	42/11/06	39/06/06	36/01/06	33/06/06	30/01/06	27/06/06	24/01/06	21/06/06	18/01/06	15/06/06	12/06/06	9/06/06	6/06/06	3/06/06	0/06/06																																																																																																																																																																																																																																																																																																																																																																																																													
	C	All Mounts	88/78/78	88/76/65	85/82/82	83/80/80	81/78/78	79/76/76	77/74/74	76/72/72	74/70/70	73/69/69	71/67/67	68/64/64	65/60/60	62/57/57	59/54/54	56/51/51	53/48/48	50/45/45	47/42/42	44/39/39	41/36/36	38/33/33	35/30/30	32/27/27	29/24/24	26/21/21	23/18/18	20/15/15	17/12/12	14/09/09	11/04/04	8/09/09	5/04/04	2/09/09	0/04/04																																																																																																																																																																																																																																																																																																																																																																																																													
			89/88/88	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	77/74/74	76/72/72	74/70/70	73/69/69	71/67/67	68/64/64	65/60/60	62/57/57	59/54/54	56/51/51	53/48/48	50/45/45	47/42/42	44/39/39	41/36/36	38/33/33	35/30/30	32/27/27	29/24/24	26/21/21	23/18/18	20/15/15	17/12/12	14/09/09	11/04/04	8/09/09	5/04/04	2/09/09	0/04/04																																																																																																																																																																																																																																																																																																																																																																																																													
			88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/66/66	69/62/62	67/60/60	65/63/63	63/61/61	61/59/59	59/57/57	57/55/55	55/53/53	53/51/51	51/49/49	49/47/47	47/45/45	45/43/43	43/41/41	41/39/39	39/37/37	37/35/35	35/33/33	33/31/31	31/29/29	29/27/27	27/25/25	25/23/23	23/21/21	21/19/19	19/17/17	17/15/15	15/13/13	13/11/11	11/09/09	9/07/07	7/05/05	5/03/03	3/01/01	1/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/03	0/01/01	0/09/09	0/03/

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- 72-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed > Roof Zone >	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
30 psf	B	0 to 7	All Mounts	68/68/68	68/68/68	68/68/68	68/68/67	68/68/65	68/68/62	68/68/60	68/68/58	68/68/56	68/67/54	68/66/52	68/62/49	68/58/46	68/55/44
		7 to 27	All Mounts	72/72/72	72/72/72	72/72/71	72/72/69	72/72/67	72/72/65	72/72/62	72/72/60	72/72/58	72/71/56	72/71/54	72/64/51	72/60/48	70/57/45
		27 to 45	All Mounts	84/84/84	84/84/84	84/84/84	84/84/84	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/77/77	77/76/76	75/72/72	73/70/70	71/67/67
		45 to 90	All Mounts	91/91/91	91/90/90	91/87/87	90/85/85	88/82/82	86/80/80	84/78/78	82/76/76	80/75/75	79/73/73	77/72/71	74/68/68	71/66/66	69/62/62
		0 to 7	All Mounts	68/68/65	68/68/62	68/68/59	68/68/57	68/68/54	68/66/52	68/61/49	68/57/47	68/53/45	68/50/43	68/47/41	68/43/38	68/40/39	66/46/37
	C	7 to 27	All Mounts	72/72/67	72/72/64	72/72/61	72/72/59	72/69/57	72/67/55	72/63/52	72/60/50	72/57/48	72/54/46	72/51/44	69/53/43	68/50/40	66/48/38
		27 to 45	All Mounts	83/83/83	82/82/82	81/81/81	80/80/80	78/78/78	77/76/76	76/74/74	75/72/72	74/70/70	73/69/69	71/67/67	68/64/64	65/60/60	63/57/57
		45 to 90	All Mounts	88/88/82	85/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/70/70	74/68/68	72/66/66	70/64/64	69/62/62	65/59/59	62/55/55	59/52/52
		0 to 7	All Mounts	69/69/59	69/69/57	69/68/54	69/66/52	69/63/50	69/60/48	69/58/46	69/56/45	69/54/43	69/52/42	68/50/40	65/48/38	61/45/36	57/42/34
		7 to 27	All Mounts	73/73/62	73/73/59	73/69/56	73/65/52	73/62/50	73/60/48	72/58/46	72/56/45	72/54/43	72/52/42	71/50/40	67/49/39	64/46/37	61/44/35
35 psf	D	27 to 45	All Mounts	82/82/82	80/80/80	79/78/78	78/75/75	76/73/73	75/71/71	73/70/70	72/68/68	70/66/66	69/64/64	67/62/62	63/58/58	60/55/55	57/52/52
		45 to 90	All Mounts	83/78/78	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/66/66	69/64/64	67/62/62	65/59/59	64/57/57	61/51/51	54/48/48	
		0 to 7	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65
		7 to 27	All Mounts	70/70/70	70/70/70	70/70/70	70/70/69	70/70/67	70/70/65	70/70/62	70/70/60	70/70/58	70/69/56	70/64/51	69/60/54	68/57/45	
		27 to 45	All Mounts	82/82/82	82/82/82	82/82/82	82/82/82	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/72/72	71/70/70	69/62/62
	B	27 to 45	All Mounts	91/91/91	91/90/90	91/87/87	90/85/85	88/82/82	86/80/80	84/78/78	82/76/76	80/75/75	79/73/73	77/72/71	74/68/68	71/66/66	69/62/62
		45 to 90	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65
		7 to 27	All Mounts	70/70/67	70/70/64	70/70/61	70/70/59	70/69/57	70/67/55	70/64/52	70/61/49	69/59/47	68/57/45	68/54/42	65/50/40	63/46/37	60/43/35
		27 to 45	All Mounts	82/82/82	81/81/81	79/79/79	78/78/78	77/77/77	76/76/76	75/74/74	74/72/72	73/70/70	72/69/69	71/67/67	68/64/64	65/60/60	63/57/57
		45 to 90	All Mounts	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/70/70	74/68/68	72/66/66	70/64/64	69/62/62	65/59/59	62/55/55	59/52/52
40 psf	D	0 to 7	All Mounts	67/67/59	67/67/54	67/67/51	67/66/52	67/63/50	67/60/48	67/58/46	67/56/45	67/54/43	67/52/42	67/50/40	63/48/38	61/45/36	57/42/34
		7 to 27	All Mounts	71/71/62	71/71/59	71/69/56	71/67/54	71/65/52	71/62/50	71/60/48	70/58/46	70/56/45	69/54/43	68/52/42	63/58/58	60/55/55	57/52/52
		27 to 45	All Mounts	81/81/81	79/79/79	78/78/78	77/77/77	75/73/73	74/71/71	73/70/70	72/68/68	70/66/66	69/64/64	67/62/62	63/58/58	60/55/55	57/52/52
		45 to 90	All Mounts	83/83/78	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/66/66	69/64/64	67/62/62	65/59/59	64/57/57	61/51/51	54/48/48	
		0 to 7	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62
	B	7 to 27	All Mounts	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67
		27 to 45	All Mounts	81/81/81	81/81/81	81/81/81	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/72/72	71/70/70	69/67/67
		45 to 90	All Mounts	91/91/91	91/90/90	91/87/87	90/85/85	88/82/82	86/80/80	84/78/78	82/76/76	80/75/75	79/73/73	77/72/71	74/68/68	71/66/66	69/62/62
		0 to 7	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62
		7 to 27	All Mounts	69/69/59	69/69/56	69/69/56	69/67/54	69/65/52	69/62/50	69/60/48	68/58/46	67/56/45	66/54/43	65/52/42	61/48/38	59/46/37	56/43/35
45 psf	C	0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/54	59/59/52	59/59/50	59/59/49	59/59/47	59/59/45	59/55/44	59/52/41	59/49/39	59/46/37
		7 to 27	All Mounts	64/64/64	64/64/64	64/64/61	64/64/59	64/64/57	64/64/54	64/64/52	64/63/50	64/61/49	63/57/46	63/53/43	60/50/40	58/48/38	56/46/37
		27 to 45	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77
		45 to 90	All Mounts	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/70/70	74/68/68	72/66/66	70/64/64	69/62/62	65/59/59	62/55/55	59/52/52
		0 to 7	All Mounts	62/62/59	62/62/57	62/62/54	62/62/52	62/60/48	62/60/48	62/58/46	62/56/45	62/54/43	62/52/42	62/50/40	62/48/38	61/45/36	57/42/34
	D	7 to 27	All Mounts	67/67/62	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56	67/67/56
		27 to 45	All Mounts	78/78/78	77/77/77	76/76/76	75/75/75	73/73/73	72/71/71	71/70/70	70/68/68	69/66/66	68/64/64	66/62/62	63/58/58	60/55/55	57/52/52
		45 to 90	All Mounts	83/78/78	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/66/66	69/64/64	67/62/62	65/59/59	64/57/57	61/51/51	54/48/48	
		0 to 7	All Mounts	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56
		7 to 27	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62
50 psf	B	27 to 45	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62
		45 to 90	All Mounts	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74
		0 to 7	All Mounts	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56	56/56/56
		7 to 27	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62
		27 to 45	All Mounts	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74	74/74/74
	C	0 to 7	All Mounts	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/70/70	74/68/68	72/66/66	70/64/64	69/62/62	65/59/59	62/55/55	59/52/52
		7 to 27	All Mounts	65/65/62	65/65/56	65/65/54	65/65/52	65/63/50	65/62/50	65/60/48	65/58/46	65/56/45	65/54/43	65/52/42	62/48/38	61/46/37	59/44/35
		27 to 45	All Mounts	77/77/77	76/76/76	75/75/75	74/74/74	73/73/73	72/71/71	71/70/70	70/68/68	69/66/66	68/64/64	66/62/62	63/58/58	60/55/55	57/52/52
		45 to 90	All Mounts	83/78/78	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/66/66	69/64/64	67/62/62	65/59/59	64/57/57	61/51/51	54/48/48	
		0 to 7	All Mounts	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52
60 psf	B	7 to 27	All Mounts	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/				

Maximum Rail Spans (Inches)

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->															
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
0 psf	B	0 to 7	All Mounts	90/88/76	90/86/73	90/83/71	90/81/69	90/79/67	90/77/65	90/75/63	90/73/61	88/71/58	86/69/56	84/68/55	80/65/51	77/61/48	74/57/46	
		7 to 27	All Mounts	91/91/78	91/89/75	91/85/73	91/82/71	91/80/69	91/78/67	91/76/65	91/74/63	91/72/61	89/71/58	87/69/57	83/66/53	80/63/50	77/59/47	
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69	
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	
		0 to 7	All Mounts	90/79/67	90/76/65	90/74/62	89/72/59	88/70/57	84/68/55	82/66/53	80/64/51	78/62/49	76/60/47	74/58/46	71/54/43	68/51/41	66/48/38	
	7 to 27	All Mounts	91/80/69	91/78/67	91/75/64	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/58/47	76/56/45	73/52/44	71/50/41	67/46/39		
	27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59		
	45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55		
	0 to 7	All Mounts	91/74/62	91/71/61	89/71/59	86/69/56	84/67/54	82/65/52	80/63/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41	67/47/37	64/44/35		
	7 to 27	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/73/73	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54		
5 psf	D	27 to 45	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	
		0 to 7	All Mounts	80/80/76	80/80/73	80/80/71	80/80/69	80/79/67	80/77/65	80/75/63	80/73/61	80/71/58	80/69/56	80/68/55	80/65/51	77/61/48	74/57/46	
		7 to 27	All Mounts	87/87/78	87/87/75	87/85/73	87/82/71	87/80/69	87/78/67	87/76/65	87/74/63	87/72/61	87/71/59	87/69/57	87/68/56	87/63/50	84/57/47	
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69	
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	
	0 to 7	All Mounts	80/79/67	80/76/65	80/74/62	80/72/59	80/70/57	80/68/55	80/66/53	80/64/51	80/62/49	79/60/47	77/58/46	75/56/45	73/54/43	71/52/42		
	7 to 27	All Mounts	91/80/69	91/78/67	91/75/64	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/58/47	76/56/45	73/52/44	71/50/41	67/46/39		
	27 to 45	All Mounts	92/90/90	87/86/75	85/82/82	83/80/80	81/78/78	79/73/73	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57		
	45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50		
	0 to 7	All Mounts	81/88/75	81/88/73	81/85/73	81/82/71	81/80/69	81/78/67	81/76/65	81/74/63	81/72/61	81/71/59	81/69/56	81/68/55	81/65/51	80/61/48		
10 psf	B	7 to 27	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69	
		27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65	
		45 to 90	All Mounts	91/91/78	91/89/75	91/85/73	91/82/71	91/80/69	91/78/67	91/76/65	91/74/63	91/72/61	89/71/58	87/69/57	83/66/53	80/63/50	77/59/47	
		0 to 7	All Mounts	87/87/76	87/86/73	87/83/73	87/81/69	87/79/67	87/77/65	87/75/63	87/73/61	87/71/59	87/69/57	87/67/55	87/65/53	87/63/51	87/61/49	
		7 to 27	All Mounts	91/91/78	91/89/75	91/85/73	91/82/71	91/80/69	91/78/67	91/76/65	91/74/63	91/72/61	89/71/58	87/69/57	83/66/53	80/63/50	77/59/47	
	27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69		
	45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65		
	0 to 7	All Mounts	91/80/69	91/78/67	91/75/64	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/58/47	76/56/45	73/52/44	71/50/41	67/46/39		
	7 to 27	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59		
	27 to 45	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55		
15 psf	D	27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/73/73	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54	
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	
		0 to 7	All Mounts	80/80/76	80/80/73	80/80/71	80/80/69	80/79/67	80/77/65	80/75/63	80/73/61	80/71/58	80/69/56	80/68/55	80/65/51	77/61/48	74/57/46	
		7 to 27	All Mounts	87/87/78	87/87/75	87/85/73	87/82/71	87/80/69	87/78/67	87/76/65	87/74/63	87/72/61	87/71/59	87/69/57	87/68/56	87/63/50	84/57/47	
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69	
	0 to 7	All Mounts	80/79/67	80/76/65	80/74/62	80/72/59	80/70/57	80/68/55	80/66/53	80/64/51	80/62/49	79/60/47	77/58/46	75/56/45	73/54/43	71/52/42		
	7 to 27	All Mounts	91/80/69	91/78/67	91/75/64	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/58/47	76/56/45	73/52/44	71/50/41	67/46/39		
	27 to 45	All Mounts	92/90/90	89/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59		
	45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55		
	0 to 7	All Mounts	87/74/62	87/72/59	86/70/57	83/68/54	81/66/52	84/67/54	82/65/52	80/63/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41	67/47/37		
20 psf	C	27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/73/73	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54	
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50	
		0 to 7	All Mounts	80/80/76	80/80/73	80/80/71	80/80/69	80/79/67	80/77/65	80/75/63	80/73/61	80/71/58	80/69/56	80/68/55	80/65/51	77/61/48	74/57/46	
		7 to 27	All Mounts	87/87/78	87/87/75	87/85/73	87/82/71	87/80/69	87/78/67	87/76/65	87/74/63	87/72/61	87/71/59	87/69/57	87/68/56	87/63/50	84/57/47	
		27 to 45	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/90/90	90/88/88	88/86/86	86/83/83	84/81/81	83/80/80	81/78/78	78/75/75	76/72/72	73/69/69	
	0 to 7	All Mounts	80/79/67	80/76/65	80/74/62	80/72/59	80/70/57	80/68/55	80/66/53	80/64/51	80/62/49	79/60/47	77/58/46	75/56/45	73/54/43	71/52/42		
	7 to 27	All Mounts	91/80/69	91/78/67	91/75/64	89/73/61	88/71/59	87/69/57	85/67/55	82/64/53	80/62/50	78/58/47	76/56/45	73/52/44	71/50/41	67/46/39		
	27 to 45	All Mounts	92/90/90	88/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59		
	45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	67/59/59	64/55/55		
	0 to 7	All Mounts	87/74/62	87/72/59	86/70/57	83/68/54	81/66/52	84/67/54	82/65/52	80/63/50	78/60/48	76/58/47	74/56/45	72/54/44	69/51/41	67/47/37		
25 psf	D	27 to 45	All Mounts	87/85/85	85/82/82	83/80/80	81/78/78	79/73/73	77/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54	

Maximum Rail Spans (Inches)				SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 8 3-Rail -- 72-Cell															
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	71/71/71	71/71/71	71/71/71	71/71/69	71/71/67	71/71/65	71/71/63	71/71/61	71/71/58	71/69/56	71/68/55	71/65/51	71/61/48	71/57/46		
		7 to 27	All Mounts	74/74/74	74/74/74	74/74/73	74/74/71	74/74/69	74/74/67	74/74/65	74/74/63	74/72/61	74/71/59	74/69/57	74/66/53	73/63/50	72/59/47		
		27 to 45	All Mounts	86/86/86	86/86/86	86/86/86	86/86/86	86/86/86	85/85/85	84/84/84	83/83/83	81/81/81	80/80/80	79/78/78	77/75/75	75/72/72	73/69/69		
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/63		
		0 to 7	All Mounts	71/71/67	71/71/65	71/71/62	71/71/59	71/71/57	71/69/55	71/66/53	71/63/49	71/62/49	71/61/49	71/58/46	71/54/43	68/51/41	66/48/38		
	C	7 to 27	All Mounts	74/74/69	74/74/67	74/74/64	74/73/61	74/71/59	74/69/57	74/67/55	74/66/53	74/64/51	74/63/49	72/59/47	71/56/45	70/52/42	68/50/40		
		27 to 45	All Mounts	86/86/86	85/85/85	83/83/83	82/82/82	81/80/80	79/78/78	78/76/76	77/74/74	76/72/72	75/71/71	73/69/69	71/66/66	67/63/63	64/59/59		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	65/58/58	61/55/55		
		0 to 7	All Mounts	71/71/62	71/71/59	71/70/57	71/68/54	71/66/52	71/63/50	71/61/48	71/59/47	71/57/45	71/55/43	70/53/42	67/50/39	64/47/37	60/44/35		
		7 to 27	All Mounts	76/75/64	76/73/61	76/71/59	76/69/56	76/67/54	76/65/52	75/62/50	74/60/48	74/58/47	73/56/45	72/54/44	69/51/41	67/48/39	63/45/37		
35 psf	D	27 to 45	All Mounts	84/84/84	83/82/82	81/80/80	80/78/78	79/75/75	77/73/73	75/72/72	74/70/70	72/68/68	67/66/66	65/65/65	63/56/56	60/53/53	56/50/50		
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	70/64/64	68/62/62	65/61/61	62/57/57	59/54/54	56/50/50			
		0 to 7	All Mounts	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/65	68/68/63	68/68/61	68/68/58	68/68/56	68/68/54	68/65/51	68/61/48	68/57/46		
		7 to 27	All Mounts	72/72/72	72/72/72	72/72/72	72/72/72	72/72/69	72/72/67	72/72/65	72/72/63	72/72/61	72/72/59	72/69/57	72/66/53	71/63/50	70/59/47		
		27 to 45	All Mounts	84/84/84	84/84/84	84/84/84	84/84/84	84/84/84	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/72/72		
	B	27 to 45	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65		
		45 to 90	All Mounts	68/68/67	68/68/67	68/68/67	68/68/67	68/68/67	68/68/65	68/68/63	68/68/61	68/68/58	68/68/56	68/68/54	68/65/51	68/61/48	68/57/46		
		0 to 7	All Mounts	72/72/69	72/72/67	72/72/64	72/72/61	72/71/59	72/69/57	72/67/55	72/66/53	72/64/51	72/63/49	72/61/47	71/61/45	70/59/47	67/48/39		
		7 to 27	All Mounts	84/84/84	83/83/83	82/82/82	81/81/81	79/79/79	78/78/78	77/76/76	76/74/74	75/72/72	74/71/71	73/69/69	71/66/66	67/63/63	64/59/59		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/63/61	65/58/58	61/55/55		
40 psf	D	0 to 7	All Mounts	70/70/62	70/70/59	70/70/57	70/68/54	70/66/52	70/63/50	70/61/48	70/59/47	70/57/45	70/55/43	70/53/42	67/50/39	64/47/37	60/44/35		
		7 to 27	All Mounts	73/73/64	73/73/61	73/71/59	73/69/56	73/67/54	73/65/52	73/62/50	72/60/48	72/58/47	71/56/45	70/54/44	69/51/41	67/48/39	63/45/37		
		27 to 45	All Mounts	83/83/83	82/82/82	80/80/80	79/78/78	78/75/75	76/73/73	75/72/72	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	62/57/57	59/54/54		
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50		
		0 to 7	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/63	65/65/61	65/65/58	65/65/56	65/65/55	65/65/51	65/61/48	65/57/46		
	B	7 to 27	All Mounts	70/70/70	70/70/70	70/70/70	70/70/70	70/70/69	70/70/67	70/70/65	70/70/63	70/70/61	70/70/59	70/70/57	70/69/57	70/66/53	69/63/50	68/59/47	
		27 to 45	All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	75/75/75	73/72/72	70/69/69		
		45 to 90	All Mounts	93/93/93	93/93/93	93/90/90	92/87/87	90/85/85	88/83/83	86/81/81	84/79/79	83/77/77	81/75/75	79/73/73	76/70/70	74/68/68	71/65/65		
		0 to 7	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/63	65/65/61	65/65/58	65/65/56	65/65/55	65/65/51	65/51/48	65/47/37		
		7 to 27	All Mounts	82/82/82	80/80/80	79/79/79	78/78/78	77/77/77	75/75/75	73/72/72	71/71/71	70/70/70	69/69/69	68/68/68	67/67/67	66/66/66	65/65/65		
45 psf	C	0 to 7	All Mounts	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62	62/62/62		
		7 to 27	All Mounts	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67		
		27 to 45	All Mounts	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/73/73	72/72/72	71/71/71	70/69/69	69/69/69	68/68/68		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	65/58/58	61/55/55		
		0 to 7	All Mounts	62/62/62	62/62/62	62/62/62	62/62/59	62/62/57	62/62/55	62/62/53	62/62/51	62/62/49	62/62/47	62/62/46	62/62/44	62/62/43	62/62/40		
	D	7 to 27	All Mounts	67/67/67	67/67/67	67/67/67	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64	67/67/64		
		27 to 45	All Mounts	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/73/73	72/72/72	71/71/71	70/69/69	69/69/69	68/68/68		
		45 to 90	All Mounts	90/85/85	88/82/82	85/80/80	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	74/68/68	73/67/67	71/65/65	68/61/61	65/58/58	61/55/55		
		0 to 7	All Mounts	65/65/62	65/65/59	65/65/57	65/65/54	65/65/52	65/63/50	65/62/48	65/60/46	65/58/44	65/56/43	65/53/42	65/50/39	64/47/37	60/44/35		
		7 to 27	All Mounts	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/73/73	72/72/72	71/71/71	70/69/69	69/69/69	68/68/68	67/67/67		
50 psf	B	27 to 45	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50		
		45 to 90	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/56/56	60/53/53	56/50/50		
		0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59		
		7 to 27	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65		
		27 to 45	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77		
	C	7 to 27	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59		
		27 to 45	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65		
		45 to 90	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77		
		0 to 7	All Mounts	62/62/62	62/62/62	62/62/62	62/62/59	62/62/57	62/62/55	62/62/53	62/62/51	62/62/49	62/62/47	62/62/46	62/62/44	62/62/43	62/62/40		
		7 to 27	All Mounts	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64	68/68/64		
60 psf	D	27 to 45	All Mounts	79/79/79	79/79/79	79/79/79	79/79/79	79/79/79	79/79/79	79/79/79	79/79/79	79/79/79	79/79/79	79/					

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 1 3-Rail -- Landscape																			
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed > Roof Zone >	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph					
30 psf	B	0 to 7	All Mounts	1/2/3	88/88/88	88/88/88	88/88/86	88/88/84	88/88/82	88/88/79	88/88/78	88/88/76	88/88/74	88/88/72	88/88/69	88/88/67	88/88/64	88/88/61				
		7 to 27	All Mounts	92/92/92	107/107/107	107/107/107	107/107/106	107/107/104	107/107/103	107/107/102	107/107/100	107/107/99	107/107/98	107/107/96	107/107/94	107/107/93	107/107/91	107/107/89	107/107/86			
		27 to 45	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	84/76/76	80/68/68			
		45 to 90	All Mounts	88/88/84	88/88/81	88/88/78	88/88/77	88/88/74	88/88/73	88/88/72	88/88/70	88/88/69	88/88/68	88/88/66	88/88/64	88/88/62	88/88/60	88/88/58	88/88/56	88/88/54		
		0 to 7	All Mounts	92/92/86	92/92/83	92/92/81	92/91/78	92/89/76	92/89/74	92/89/72	92/89/70	92/89/68	92/89/66	92/89/64	92/89/62	92/89/60	92/89/58	92/89/56	92/89/54	92/89/52		
		7 to 27	All Mounts	107/107/106	105/105/105	104/104/104	102/102/102	100/100/100	99/99/99	99/99/97	99/99/96	99/99/94	99/99/93	99/99/91	99/99/89	99/99/87	99/99/85	99/99/83	99/99/81	99/99/78		
		27 to 45	All Mounts	117/116/106	109/107/102	106/99/99	104/97/92	101/94/94	100/94/92	99/94/90	99/94/88	99/94/86	99/94/84	99/94/82	99/94/80	99/94/78	99/94/76	99/94/74	99/94/72	99/94/70		
		45 to 90	All Mounts	89/89/79	89/89/76	89/89/74	89/88/72	89/88/70	89/88/68	89/88/66	89/88/64	89/88/62	89/88/60	89/88/58	89/88/56	89/88/54	89/88/52	89/88/50	89/88/48	89/88/46		
		0 to 7	All Mounts	94/94/81	94/94/78	94/94/76	94/94/74	94/94/72	94/94/70	94/94/68	94/94/66	94/94/64	94/94/62	94/94/60	94/94/58	94/94/56	94/94/54	94/94/52	94/94/50	94/94/48		
		7 to 27	All Mounts	105/105/105	103/102/102	101/99/94	99/99/91	96/99/89	94/99/87	92/99/85	90/99/83	88/99/81	86/99/79	84/99/77	82/99/75	80/99/73	78/99/71	76/99/69	74/99/67	72/99/65		
35 psf	B	0 to 7	All Mounts	104/96/96	104/96/96	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94	104/96/94			
		7 to 27	All Mounts	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85		
		27 to 45	All Mounts	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105	105/105/105		
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	84/76/76	80/68/68	76/60/60	72/52/52	
		0 to 7	All Mounts	85/85/84	85/85/81	85/85/79	85/85/77	85/85/74	85/85/73	85/85/72	85/85/70	85/85/69	85/85/68	85/85/66	85/85/64	85/85/62	85/85/60	85/85/58	85/85/56	85/85/54	85/85/52	
		7 to 27	All Mounts	89/89/86	89/89/83	89/89/81	89/89/78	89/89/76	89/89/74	89/89/72	89/89/70	89/89/68	89/89/66	89/89/64	89/89/62	89/89/60	89/89/58	89/89/56	89/89/54	89/89/52	89/89/50	
		27 to 45	All Mounts	105/105/105	103/103/103	102/102/102	100/100/100	99/99/99	99/99/97	99/99/96	99/99/94	99/99/93	99/99/91	99/99/89	99/99/87	99/99/85	99/99/83	99/99/81	99/99/78	99/99/76	99/99/74	
		45 to 90	All Mounts	112/116/106	109/102/102	106/99/99	104/97/92	101/94/94	100/94/92	99/94/90	99/94/88	99/94/86	99/94/84	99/94/82	99/94/80	99/94/78	99/94/76	99/94/74	99/94/72	99/94/70	99/94/68	
		0 to 7	All Mounts	87/87/79	87/87/76	87/87/74	87/87/72	87/87/70	87/87/68	87/87/66	87/87/64	87/87/62	87/87/60	87/87/58	87/87/56	87/87/54	87/87/52	87/87/50	87/87/48	87/87/46	87/87/44	
		7 to 27	All Mounts	91/91/81	91/91/78	91/91/76	91/91/74	91/91/72	91/91/70	91/91/68	91/91/66	91/91/64	91/91/62	91/91/60	91/91/58	91/91/56	91/91/54	91/91/52	91/91/50	91/91/48	91/91/46	
40 psf	B	0 to 7	All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103			
		7 to 27	All Mounts	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	
		27 to 45	All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	84/76/76	80/68/68	76/60/60	72/52/52	
		0 to 7	All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	
		7 to 27	All Mounts	87/87/86	87/87/83	87/87/81	87/87/78	87/87/76	87/87/74	87/87/72	87/87/70	87/87/68	87/87/66	87/87/64	87/87/62	87/87/60	87/87/58	87/87/56	87/87/54	87/87/52	87/87/50	
		27 to 45	All Mounts	103/103/103	102/102/102	100/100/100	99/99/99	99/99/97	99/99/96	99/99/94	99/99/93	99/99/91	99/99/89	99/99/87	99/99/85	99/99/83	99/99/81	99/99/78	99/99/76	99/99/74	99/99/72	99/99/70
		45 to 90	All Mounts	112/116/106	109/102/102	106/99/99	104/97/92	101/94/94	100/94/92	99/94/90	99/94/88	99/94/86	99/94/84	99/94/82	99/94/80	99/94/78	99/94/76	99/94/74	99/94/72	99/94/70	99/94/68	99/94/66
		0 to 7	All Mounts	85/85/79	85/85/76	85/85/74	85/85/72	85/85/70	85/85/68	85/85/66	85/85/64	85/85/62	85/85/60	85/85/58	85/85/56	85/85/54	85/85/52	85/85/50	85/85/48	85/85/46	85/85/44	
		7 to 27	All Mounts	89/89/81	89/89/78	89/89/76	89/89/74	89/89/72	89/89/70	89/89/68	89/89/66	89/89/64	89/89/62	89/89/60	89/89/58	89/89/56	89/89/54	89/89/52	89/89/50	89/89/48	89/89/46	
45 psf	C	0 to 7	All Mounts	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102	102/102/102		
		7 to 27	All Mounts	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	
		27 to 45	All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	84/76/76	80/68/68	76/60/60	72/52/52	68/44/44
		0 to 7	All Mounts	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80	80/80/80
		7 to 27	All Mounts	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85
		27 to 45	All Mounts	101/101/101	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100
		45 to 90	All Mounts	112/116/106	109/102/102	106/99/99	104/97/92	101/94/94	100/94/92	99/94/90	99/94/88	99/94/86	99/94/84	99/94/82	99/94/80	99/94/78	99/94/76	99/94/74	99/94/72	99/94/70	99/94/68	99/94/66
		0 to 7	All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83
		7 to 27	All Mounts	87/87/81	87/87/78	87/87/76	87/87/74	87/87/72	87/87/70	87/87/68	87/87/66	87/87/64	87/87/62	87/87/60	87/87/58	87/87/56	87/87/54	87/87/52	87/87/50	87/87/48	87/87/46	87/87/44
50 psf	B	0 to 7	All Mounts	100/100/100	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	
		7 to 27	All Mounts	87/87/81	87/87/78	87/87/76	87/87/74	87/87/72	87/87/70	87/87/68	87/87/66	87/87/64	87/87/62	87/87/60	87/87/58	87/87/56	87/87/54	87/87/52	87/87/50	87/87/48	87/87/46	87/87/44
		27 to 45	All Mounts	100/100/100	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99	99/99/99
		45 to 90	All Mounts	107/99/99	104/96/96	101/94/94	99/99/99	96/99/99	94/94/94	92/94/94	90/94/94	88/94/94	86/94/94	84/94/94	82/94/94	80/94/94	78/94/94	76/94/94	74/94/94	72/94/94	70/94/94	68/94/94
		0 to 7	All Mounts	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77
		7 to 27	All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/											

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 3 Rail -- Landscape

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape																		
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->															
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
0 psf	B	0 to 7	All Mounts	112 / 113 / 94	112 / 107 / 91	112 / 104 / 89	112 / 102 / 86	112 / 98 / 84	112 / 95 / 82	112 / 93 / 79	112 / 91 / 78	109 / 88 / 76	107 / 86 / 74	104 / 85 / 72	100 / 83 / 65	96 / 78 / 58	92 / 75 / 52	87 / 72 / 3
		7 to 27	All Mounts	113 / 113 / 97	113 / 109 / 94	113 / 106 / 91	113 / 103 / 88	113 / 103 / 88	113 / 97 / 84	113 / 95 / 81	113 / 92 / 79	113 / 90 / 78	111 / 88 / 76	108 / 86 / 74	103 / 83 / 69	97 / 79 / 62	93 / 76 / 56	89 / 73 / 69
		27 to 45	All Mounts	115 / 115 / 115	115 / 115 / 115	115 / 115 / 115	115 / 115 / 115	115 / 115 / 115	114 / 112 / 112	113 / 109 / 107	109 / 107 / 100	105 / 100 / 100	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 76 / 86
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	115 / 109 / 109	114 / 108 / 106	112 / 106 / 106	109 / 104 / 104	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 76 / 86
		0 to 7	All Mounts	112 / 98 / 84	112 / 95 / 81	112 / 92 / 79	111 / 89 / 77	111 / 89 / 76	107 / 87 / 74	104 / 85 / 73	102 / 82 / 69	99 / 80 / 64	97 / 79 / 60	95 / 77 / 56	88 / 72 / 46	85 / 64 / 44	82 / 58 / 37	81 / 86 / 86
	C	7 to 27	All Mounts	113 / 100 / 86	113 / 97 / 83	113 / 94 / 81	113 / 91 / 78	113 / 89 / 76	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
		27 to 45	All Mounts	114 / 112 / 112	114 / 109 / 109	114 / 106 / 106	114 / 103 / 103	114 / 103 / 103	113 / 99 / 95	113 / 96 / 92	113 / 93 / 89	113 / 90 / 86	110 / 86 / 74	108 / 86 / 74	103 / 86 / 74	100 / 86 / 74	97 / 86 / 60	94 / 81 / 79
		45 to 90	All Mounts	115 / 115 / 115	115 / 115 / 115	115 / 112 / 112	114 / 108 / 106	114 / 108 / 106	112 / 106 / 106	109 / 104 / 104	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 76 / 86	81 / 86 / 86
		0 to 7	All Mounts	109 / 98 / 84	109 / 95 / 81	109 / 92 / 79	113 / 91 / 78	113 / 91 / 78	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
		7 to 27	All Mounts	113 / 100 / 86	113 / 97 / 83	113 / 94 / 81	113 / 91 / 78	113 / 89 / 76	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
5 psf	B	27 to 45	All Mounts	114 / 112 / 112	111 / 109 / 109	110 / 106 / 106	106 / 102 / 102	104 / 100 / 100	101 / 97 / 92	99 / 95 / 95	95 / 90 / 90	93 / 88 / 88	91 / 86 / 86	88 / 83 / 83	85 / 79 / 79	81 / 86 / 86	78 / 76 / 76	75 / 73 / 73
		0 to 7	All Mounts	112 / 92 / 79	109 / 89 / 76	107 / 87 / 74	108 / 86 / 74	105 / 83 / 62	99 / 80 / 64	97 / 79 / 62	97 / 77 / 58	94 / 75 / 54	92 / 74 / 50	90 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		27 to 45	All Mounts	113 / 94 / 81	113 / 91 / 78	111 / 88 / 76	108 / 86 / 74	105 / 83 / 62	99 / 80 / 64	97 / 79 / 62	97 / 77 / 58	94 / 75 / 54	92 / 74 / 50	90 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		45 to 90	All Mounts	109 / 106 / 106	106 / 102 / 102	103 / 99 / 99	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96
		0 to 7	All Mounts	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99	109 / 109 / 99
	C	7 to 27	All Mounts	113 / 100 / 86	113 / 97 / 83	113 / 94 / 81	113 / 91 / 78	113 / 89 / 76	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
		27 to 45	All Mounts	114 / 112 / 112	111 / 109 / 109	110 / 106 / 106	106 / 102 / 102	104 / 100 / 100	101 / 97 / 92	99 / 95 / 95	95 / 90 / 90	93 / 88 / 88	91 / 86 / 86	88 / 83 / 83	85 / 79 / 79	81 / 86 / 86	78 / 76 / 76	75 / 73 / 73
		45 to 90	All Mounts	115 / 115 / 115	115 / 115 / 115	115 / 112 / 112	114 / 108 / 106	114 / 108 / 106	112 / 106 / 106	109 / 104 / 104	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 79 / 79	81 / 86 / 86
		0 to 7	All Mounts	109 / 98 / 84	109 / 95 / 81	109 / 92 / 79	113 / 91 / 78	113 / 91 / 78	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
		7 to 27	All Mounts	113 / 100 / 86	113 / 97 / 83	113 / 94 / 81	113 / 91 / 78	113 / 89 / 76	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
10 psf	B	27 to 45	All Mounts	108 / 108 / 97	108 / 108 / 94	108 / 106 / 91	108 / 103 / 88	108 / 103 / 88	108 / 97 / 84	105 / 92 / 79	102 / 89 / 76	100 / 86 / 74	100 / 86 / 74	100 / 86 / 74	100 / 86 / 74	100 / 86 / 74	100 / 86 / 74	100 / 86 / 74
		0 to 7	All Mounts	109 / 94 / 81	109 / 91 / 78	109 / 88 / 76	108 / 86 / 74	105 / 83 / 62	99 / 80 / 64	97 / 79 / 62	97 / 77 / 58	94 / 75 / 54	92 / 74 / 50	90 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		27 to 45	All Mounts	106 / 102 / 102	103 / 98 / 99	103 / 94 / 89	99 / 91 / 84	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 71 / 71	80 / 74 / 74	77 / 69 / 69	74 / 62 / 62	71 / 58 / 52
		45 to 90	All Mounts	104 / 96 / 96	104 / 96 / 96	104 / 94 / 89	99 / 91 / 84	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 71 / 71	80 / 74 / 74	77 / 69 / 69	74 / 62 / 62	71 / 58 / 52
		0 to 7	All Mounts	94 / 94 / 94	94 / 94 / 89	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86	94 / 94 / 86
	C	7 to 27	All Mounts	103 / 103 / 97	103 / 103 / 94	103 / 103 / 88	103 / 97 / 84	103 / 97 / 84	103 / 92 / 79	100 / 87 / 74	100 / 84 / 71	100 / 81 / 68	100 / 78 / 65	100 / 75 / 62	100 / 72 / 59	100 / 69 / 66	100 / 66 / 63	100 / 63 / 60
		27 to 45	All Mounts	115 / 115 / 115	115 / 115 / 115	115 / 115 / 115	115 / 115 / 115	115 / 115 / 115	114 / 112 / 112	112 / 109 / 107	109 / 107 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 76 / 86
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	115 / 109 / 109	114 / 108 / 106	112 / 106 / 106	109 / 104 / 104	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 76 / 86
		0 to 7	All Mounts	94 / 94 / 81	94 / 94 / 84	94 / 92 / 79	94 / 89 / 77	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76
		7 to 27	All Mounts	103 / 100 / 86	103 / 97 / 83	103 / 94 / 81	103 / 91 / 78	103 / 89 / 76	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
15 psf	B	27 to 45	All Mounts	114 / 112 / 112	111 / 109 / 109	110 / 106 / 106	106 / 102 / 102	104 / 100 / 100	101 / 97 / 92	99 / 95 / 95	95 / 90 / 90	93 / 88 / 88	91 / 86 / 86	88 / 83 / 83	85 / 79 / 79	81 / 86 / 86	78 / 76 / 76	75 / 73 / 73
		0 to 7	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	107 / 87 / 74	104 / 84 / 72	101 / 82 / 67	98 / 80 / 62	96 / 78 / 58	93 / 76 / 54	91 / 74 / 50	89 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		27 to 45	All Mounts	109 / 94 / 81	109 / 91 / 78	109 / 88 / 76	108 / 86 / 74	105 / 83 / 62	99 / 80 / 64	97 / 79 / 62	97 / 77 / 58	94 / 75 / 54	92 / 74 / 50	90 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		45 to 90	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 71 / 71	80 / 74 / 74	77 / 69 / 69	74 / 62 / 62	71 / 58 / 52	68 / 55 / 52
		0 to 7	All Mounts	103 / 103 / 97	103 / 103 / 94	103 / 103 / 88	103 / 97 / 84	103 / 97 / 84	103 / 92 / 79	100 / 87 / 74	100 / 84 / 71	100 / 81 / 68	100 / 78 / 65	100 / 75 / 62	100 / 72 / 59	100 / 69 / 66	100 / 66 / 63	100 / 63 / 60
	C	7 to 27	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	115 / 109 / 109	114 / 108 / 106	112 / 106 / 106	109 / 104 / 104	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	85 / 76 / 86
		27 to 45	All Mounts	114 / 112 / 112	111 / 109 / 109	110 / 106 / 106	106 / 102 / 102	104 / 100 / 100	101 / 97 / 92	99 / 95 / 95	95 / 90 / 90	93 / 88 / 88	91 / 86 / 86	88 / 83 / 83	85 / 79 / 79	81 / 86 / 86	78 / 76 / 76	75 / 73 / 73
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	107 / 87 / 74	104 / 84 / 72	101 / 82 / 67	98 / 80 / 62	96 / 78 / 58	93 / 76 / 54	91 / 74 / 50	89 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		0 to 7	All Mounts	94 / 94 / 81	94 / 94 / 84	94 / 92 / 79	94 / 89 / 77	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76	94 / 89 / 76
		7 to 27	All Mounts	103 / 100 / 86	103 / 97 / 83	103 / 94 / 81	103 / 91 / 78	103 / 89 / 76	108 / 86 / 74	105 / 84 / 72	103 / 82 / 69	100 / 80 / 64	98 / 78 / 60	96 / 77 / 56	92 / 73 / 49	88 / 68 / 44	85 / 61 / 39	81 / 86 / 86
20 psf	B	27 to 45	All Mounts	114 / 112 / 112	111 / 109 / 109	110 / 106 / 106	106 / 102 / 102	104 / 100 / 100	101 / 97 / 92	99 / 95 / 95	95 / 90 / 90	93 / 88 / 88	91 / 86 / 86	88 / 83 / 83	85 / 79 / 79	81 / 86 / 86	78 / 76 / 76	75 / 73 / 73
		0 to 7	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	107 / 87 / 74	104 / 84 / 72	101 / 82 / 67	98 / 80 / 62	96 / 78 / 58	93 / 76 / 54	91 / 74 / 50	89 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		27 to 45	All Mounts	109 / 94 / 81	109 / 91 / 78	109 / 88 / 76	108 / 86 / 74	105 / 83 / 62	99 / 80 / 64	97 / 79 / 62	97 / 77 / 58	94 / 75 / 54	92 / 74 / 50	90 / 72 / 47	87 / 69 / 44	85 / 64 / 42	83 / 57 / 37	80 / 51 / 33
		45 to 90	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 71 / 71	80 / 74 / 74	77 / 69 / 69	74 / 62 / 62	71 / 58 / 52	68 / 55 / 52
		0 to 7	All Mounts	103 / 103 / 97	103 / 103 / 94	103 / 103 / 88	103 / 97 / 84	103 / 97 / 84	103 / 92 / 79	100 / 87 / 74	100 / 84 / 71	100 / 81 / 68	100 / 78 / 65	100 / 75 / 62	100 / 72 / 59	100 / 69 / 66	100 / 66 / 63	100 / 63 / 60
	C	7 to 27	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	115 / 109 / 109	114 / 108 / 106	112 / 106 / 106	109 / 104 / 104	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	95 / 88 / 88	92 /		

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)		SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 3 Rail -- Landscape																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed ->	110 mph	115 mph	120 mph	125 mph	130 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
			Roof Zone ->	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3		
30 psf	B	0 to 7	All Mounts	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88		
		7 to 27	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	92 / 92 / 92	
		27 to 45	All Mounts	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107
		45 to 90	All Mounts	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116	116 / 116 / 116
		0 to 7	All Mounts	88 / 88 / 84	88 / 88 / 81	88 / 88 / 79	88 / 88 / 77	88 / 87 / 74	88 / 85 / 73	88 / 82 / 69	88 / 79 / 60	88 / 77 / 56	88 / 75 / 52	88 / 73 / 46	85 / 64 / 41	82 / 58 / 37	80 / 86 / 86	88 / 81 / 81
C	7 to 27	All Mounts	92 / 92 / 86	92 / 92 / 83	92 / 92 / 81	92 / 91 / 78	92 / 89 / 76	92 / 87 / 74	92 / 85 / 73	92 / 83 / 71	92 / 81 / 69	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	
	27 to 45	All Mounts	107 / 107 / 107	105 / 105 / 105	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	
	45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 82 / 78	93 / 79 / 75	91 / 75 / 71	89 / 71 / 67	87 / 67 / 63	85 / 63 / 59	83 / 61 / 53	81 / 59 / 49	
	0 to 7	All Mounts	89 / 89 / 79	89 / 89 / 76	89 / 87 / 74	89 / 84 / 72	89 / 82 / 67	89 / 80 / 62	89 / 78 / 58	89 / 76 / 54	89 / 74 / 50	89 / 72 / 47	89 / 69 / 44	89 / 67 / 40	89 / 65 / 37	87 / 63 / 31	85 / 61 / 25	
	7 to 27	All Mounts	94 / 94 / 83	94 / 91 / 78	94 / 88 / 76	94 / 86 / 74	94 / 84 / 72	94 / 83 / 72	94 / 81 / 67	94 / 79 / 62	94 / 77 / 58	94 / 75 / 54	94 / 73 / 47	94 / 71 / 43	94 / 69 / 39	94 / 67 / 35	94 / 65 / 29	
35 psf	C	27 to 45	All Mounts	105 / 105 / 105	103 / 103 / 103	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	
		0 to 7	All Mounts	89 / 89 / 86	89 / 89 / 83	89 / 88 / 78	89 / 86 / 76	89 / 84 / 74	89 / 82 / 72	89 / 80 / 70	88 / 78 / 68	88 / 76 / 66	88 / 74 / 64	88 / 72 / 62	88 / 70 / 60	88 / 68 / 58	88 / 66 / 56	88 / 64 / 54
		7 to 27	All Mounts	92 / 92 / 86	92 / 92 / 83	92 / 92 / 81	92 / 91 / 78	92 / 89 / 76	92 / 87 / 74	92 / 85 / 73	92 / 83 / 71	92 / 81 / 69	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56	90 / 77 / 56
		27 to 45	All Mounts	107 / 107 / 107	105 / 105 / 105	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 82 / 78	93 / 79 / 75	91 / 75 / 71	89 / 71 / 67	87 / 67 / 63	85 / 63 / 59	83 / 61 / 53	81 / 59 / 49
40 psf	C	27 to 45	All Mounts	103 / 103 / 103	102 / 102 / 102	100 / 99 / 99	98 / 97 / 97	97 / 94 / 94	95 / 91 / 91	93 / 87 / 87	91 / 81 / 81	89 / 82 / 82	87 / 80 / 80	85 / 79 / 79	83 / 77 / 77	81 / 71 / 71	79 / 72 / 72	
		0 to 7	All Mounts	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87
		7 to 27	All Mounts	87 / 87 / 86	87 / 87 / 83	87 / 87 / 81	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 84 / 72	87 / 82 / 67	87 / 80 / 62	87 / 78 / 58	87 / 76 / 54	87 / 74 / 50	87 / 72 / 47	87 / 69 / 44	87 / 67 / 40
		27 to 45	All Mounts	103 / 103 / 103	102 / 102 / 102	100 / 99 / 99	98 / 97 / 97	97 / 94 / 94	95 / 91 / 91	93 / 87 / 87	91 / 81 / 81	89 / 82 / 82	87 / 80 / 80	85 / 79 / 79	83 / 77 / 77	81 / 71 / 71	79 / 72 / 72	77 / 66 / 62
		45 to 90	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	98 / 94 / 94	96 / 91 / 91	94 / 86 / 86	92 / 82 / 82	90 / 80 / 80	88 / 78 / 78	87 / 77 / 77	86 / 76 / 76	85 / 75 / 75	83 / 73 / 67	81 / 71 / 65
45 psf	D	27 to 45	All Mounts	102 / 102 / 102	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 94 / 94	94 / 93 / 93	93 / 92 / 92	92 / 91 / 91	91 / 90 / 90	90 / 89 / 89	89 / 88 / 88	88 / 87 / 87	87 / 86 / 86	
		0 to 7	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80
		7 to 27	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85
		27 to 45	All Mounts	107 / 107 / 107	105 / 105 / 105	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104	104 / 104 / 104
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 82 / 78	93 / 79 / 75	91 / 75 / 71	89 / 71 / 67	87 / 67 / 63	85 / 63 / 59	83 / 61 / 53	81 / 59 / 49
50 psf	B	27 to 45	All Mounts	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	
		0 to 7	All Mounts	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77
		7 to 27	All Mounts	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83
		27 to 45	All Mounts	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 82 / 78	93 / 79 / 75	91 / 75 / 71	89 / 71 / 67	87 / 67 / 63	85 / 63 / 59	83 / 61 / 53	81 / 59 / 49
60 psf	C	27 to 45	All Mounts	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	
		0 to 7	All Mounts	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73
		7 to 27	All Mounts	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78
		27 to 45	All Mounts	97 / 97 / 97	96 / 96 / 96	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 82 / 78	93 / 79 / 75	91 / 75 / 71	89 / 71 / 67	87 / 67 / 63	85 / 63 / 59	83 / 61 / 53	81 / 59 / 49
D	7 to 27	All Mounts	81 / 81 / 81	81 / 81 / 78	81 / 81 / 76	81 / 81 / 74	81 / 81 / 72	81 / 81 / 70	81 / 81 / 68	81 / 81 / 66	81 / 81 / 64	81 / 81 / 62	81 / 81 / 60	81 / 81 / 58	81 / 81 / 56	81 / 81 / 54	81 / 81 / 52	
	27 to 45	All Mounts	96 / 96 / 99	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	
	45 to 90	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	98 / 94 / 94	96 / 91 / 91	94 / 86 / 86	92 / 82 / 82	90 / 80 / 80	88 / 78 / 78	87 / 77 / 77	86 / 76 / 76	85 / 75 / 75	83 / 73 / 67	81 / 71 / 65	
	7 to 27	All Mounts	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	
	27 to 45	All Mounts	103 / 103 / 103	102 / 102 / 102	100 / 99 / 99	98 / 97 / 97	97 / 94 / 94	95 / 91 / 91	93 / 87 / 87	91 / 81 / 81	89 / 82 / 82	87 / 80 / 80	85 / 79 / 79	83 / 77 / 77	81 / 71 / 71	79 / 72 / 72	77 / 66 / 62	

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 4 3-Rail -- Landscape																									
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph											
0 psf	B	0 to 7	All Mounts	109/108/92	109/104/89	109/101/86	109/98/84	109/95/82	109/93/79	109/91/77	109/88/76	109/86/74	109/83/72	109/80/69	109/78/67	93/76/65	93/74/63	1/2 / 3										
		7 to 27	All Mounts	110/110/94	110/106/91	110/103/88	110/100/86	110/97/84	110/95/81	110/92/79	110/90/77	109/88/76	109/86/74	109/83/72	109/80/69	109/78/67	94/81/69	94/79/67	1/2 / 3									
		27 to 45	All Mounts	112/112/112	112/108/109	112/105/106	112/102/103	112/99/100	112/96/98	112/93/95	112/90/93	112/88/91	112/85/88	112/82/85	112/79/82	112/77/79	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	113/113/113	113/109/109	113/106/106	113/103/103	113/100/100	113/97/97	113/94/94	113/91/91	113/88/88	113/85/85	113/82/82	113/79/82	113/77/79	96/89/79	96/87/77	1/2 / 3									
		0 to 7	All Mounts	109/95/81	109/92/84	109/90/77	108/87/75	108/84/74	108/81/72	108/78/71	108/75/66	108/72/64	108/69/62	108/66/60	108/63/58	108/60/56	83/67/54	83/65/52	1/2 / 3									
	C	7 to 27	All Mounts	111/109/109	108/106/106	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	94/81/69	94/79/67	1/2 / 3									
		27 to 45	All Mounts	109/103/103	106/100/100	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	107/90/77	106/87/74	105/84/72	104/81/70	103/78/67	102/75/65	101/72/60	100/69/66	100/66/63	100/63/60	100/60/57	100/57/54	100/54/51	81/66/52	81/64/49	1/2 / 3									
		7 to 27	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	100/70/69	100/67/66	81/66/52	81/64/49	1/2 / 3									
5 psf	B	0 to 7	All Mounts	107/97/92	107/93/89	107/89/86	107/85/83	107/81/79	107/77/75	107/73/71	107/69/67	107/65/63	107/61/60	107/57/58	107/53/59	83/67/54	83/65/52	1/2 / 3										
		7 to 27	All Mounts	105/105/94	105/101/91	105/103/88	105/100/86	105/97/84	105/93/81	105/90/79	105/87/77	105/84/74	105/81/72	105/78/70	105/75/68	105/72/66	93/76/65	93/74/63	1/2 / 3									
		27 to 45	All Mounts	112/112/112	112/108/109	112/105/106	112/102/103	112/99/100	112/96/98	112/93/95	112/90/93	112/88/91	112/85/88	112/82/85	112/79/82	112/77/79	94/81/69	94/79/67	1/2 / 3									
		45 to 90	All Mounts	113/113/113	113/109/109	113/106/106	113/103/103	113/100/100	113/97/97	113/94/94	113/91/91	113/88/88	113/85/85	113/82/82	113/79/82	113/77/79	95/82/70	95/80/68	1/2 / 3									
		0 to 7	All Mounts	109/95/81	109/92/84	109/90/77	108/87/75	108/84/74	108/81/72	108/78/71	108/75/66	108/72/64	108/69/62	108/66/60	108/63/58	108/60/56	83/67/54	83/65/52	1/2 / 3									
	C	7 to 27	All Mounts	110/97/84	110/94/81	110/91/79	110/88/76	110/85/73	110/82/70	110/79/68	110/76/65	110/73/62	110/70/60	110/67/58	110/64/55	110/61/52	94/81/69	94/79/67	1/2 / 3									
		27 to 45	All Mounts	108/106/106	106/103/103	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		7 to 27	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	100/70/69	100/67/66	81/66/52	81/64/49	1/2 / 3									
10 psf	B	0 to 7	All Mounts	107/97/92	107/93/89	107/89/86	107/85/83	107/81/79	107/77/75	107/73/71	107/69/67	107/65/63	107/61/60	107/57/58	107/53/59	83/67/54	83/65/52	1/2 / 3										
		7 to 27	All Mounts	105/105/94	105/101/91	105/103/88	105/100/86	105/97/84	105/93/81	105/90/79	105/87/77	105/84/74	105/81/72	105/78/70	105/75/68	105/72/66	93/76/65	93/74/63	1/2 / 3									
		27 to 45	All Mounts	112/112/112	112/108/109	112/105/106	112/102/103	112/99/100	112/96/98	112/93/95	112/90/93	112/88/91	112/85/88	112/82/85	112/79/82	112/77/79	94/81/69	94/79/67	1/2 / 3									
		45 to 90	All Mounts	113/113/113	113/109/109	113/106/106	113/103/103	113/100/100	113/97/97	113/94/94	113/91/91	113/88/88	113/85/85	113/82/82	113/79/82	113/77/79	95/82/70	95/80/68	1/2 / 3									
		0 to 7	All Mounts	109/95/81	109/92/84	109/90/77	108/87/75	108/84/74	108/81/72	108/78/71	108/75/66	108/72/64	108/69/62	108/66/60	108/63/58	108/60/56	83/67/54	83/65/52	1/2 / 3									
	C	7 to 27	All Mounts	110/97/84	110/94/81	110/91/79	110/88/76	110/85/73	110/82/70	110/79/68	110/76/65	110/73/62	110/70/60	110/67/58	110/64/55	110/61/52	94/81/69	94/79/67	1/2 / 3									
		27 to 45	All Mounts	108/106/106	106/103/103	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		7 to 27	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	100/70/69	100/67/66	81/66/52	81/64/49	1/2 / 3									
15 psf	B	0 to 7	All Mounts	107/97/92	107/93/89	107/89/86	107/85/83	107/81/79	107/77/75	107/73/71	107/69/67	107/65/63	107/61/60	107/57/58	107/53/59	83/67/54	83/65/52	1/2 / 3										
		7 to 27	All Mounts	105/105/94	105/101/91	105/103/88	105/100/86	105/97/84	105/93/81	105/90/79	105/87/77	105/84/74	105/81/72	105/78/70	105/75/68	105/72/66	93/76/65	93/74/63	1/2 / 3									
		27 to 45	All Mounts	112/112/112	112/108/109	112/105/106	112/102/103	112/99/100	112/96/98	112/93/95	112/90/93	112/88/91	112/85/88	112/82/85	112/79/82	112/77/79	94/81/69	94/79/67	1/2 / 3									
		45 to 90	All Mounts	113/113/113	113/109/109	113/106/106	113/103/103	113/100/100	113/97/97	113/94/94	113/91/91	113/88/88	113/85/85	113/82/82	113/79/82	113/77/79	95/82/70	95/80/68	1/2 / 3									
		0 to 7	All Mounts	109/95/81	109/92/84	109/90/77	108/87/75	108/84/74	108/81/72	108/78/71	108/75/66	108/72/64	108/69/62	108/66/60	108/63/58	108/60/56	83/67/54	83/65/52	1/2 / 3									
	C	7 to 27	All Mounts	110/97/84	110/94/81	110/91/79	110/88/76	110/85/73	110/82/70	110/79/68	110/76/65	110/73/62	110/70/60	110/67/58	110/64/55	110/61/52	94/81/69	94/79/67	1/2 / 3									
		27 to 45	All Mounts	108/106/106	106/103/103	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		7 to 27	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	100/70/69	100/67/66	81/66/52	81/64/49	1/2 / 3									
20 psf	B	0 to 7	All Mounts	107/97/92	107/93/89	107/89/86	107/85/83	107/81/79	107/77/75	107/73/71	107/69/67	107/65/63	107/61/60	107/57/58	107/53/59	83/67/54	83/65/52	1/2 / 3										
		7 to 27	All Mounts	105/105/94	105/101/91	105/103/88	105/100/86	105/97/84	105/93/81	105/90/79	105/87/77	105/84/74	105/81/72	105/78/70	105/75/68	105/72/66	93/76/65	93/74/63	1/2 / 3									
		27 to 45	All Mounts	112/112/112	112/108/109	112/105/106	112/102/103	112/99/100	112/96/98	112/93/95	112/90/93	112/88/91	112/85/88	112/82/85	112/79/82	112/77/79	94/81/69	94/79/67	1/2 / 3									
		45 to 90	All Mounts	113/113/113	113/109/109	113/106/106	113/103/103	113/100/100	113/97/97	113/94/94	113/91/91	113/88/88	113/85/85	113/82/82	113/79/82	113/77/79	95/82/70	95/80/68	1/2 / 3									
		0 to 7	All Mounts	109/95/81	109/92/84	109/90/77	108/87/75	108/84/74	108/81/72	108/78/71	108/75/66	108/72/64	108/69/62	108/66/60	108/63/58	108/60/56	83/67/54	83/65/52	1/2 / 3									
	C	7 to 27	All Mounts	110/97/84	110/94/81	110/91/79	110/88/76	110/85/73	110/82/70	110/79/68	110/76/65	110/73/62	110/70/60	110/67/58	110/64/55	110/61/52	94/81/69	94/79/67	1/2 / 3									
		27 to 45	All Mounts	108/106/106	106/103/103	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81	100/80/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		7 to 27	All Mounts	106/103/103	103/100/100	101/97/97	100/95/95	100/93/92	100/91/89	100/88/86	100/85/84	100/82/81	100/79/78	100/77/76	100/75/74	100/72/71	95/82/70	95/80/68	1/2 / 3									
		45 to 90	All Mounts	104/97/97	103/95/95	102/93/92	101/91/89	100/89/86	100/86/84	100/83/81																		

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape															
Ground Snow Load	Exposure Category	Panel Angle	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
B	All Mounts	0 to 7	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 79	86 / 86 / 77	86 / 86 / 76	86 / 86 / 74	86 / 84 / 72	86 / 82 / 71	86 / 79 / 68	86 / 76 / 65	86 / 73 / 61		
		7 to 27	90 / 90 / 90	90 / 90 / 88	90 / 90 / 86	90 / 90 / 84	90 / 90 / 82	90 / 90 / 80	90 / 90 / 79	90 / 90 / 77	90 / 90 / 76	90 / 88 / 74	90 / 84 / 72	90 / 80 / 69	90 / 77 / 67	90 / 74 / 65		
		27 to 45	105 / 105 / 105	105 / 105 / 105	105 / 105 / 105	104 / 104 / 104	103 / 103 / 103	103 / 103 / 103	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 94 / 94	94 / 90 / 90	91 / 87 / 87	89 / 84 / 84		
		45 to 90	113 / 113 / 113	113 / 112 / 112	113 / 109 / 109	112 / 106 / 106	109 / 103 / 103	107 / 100 / 100	105 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	93 / 85 / 85	89 / 82 / 82	86 / 79 / 79		
		0 to 7	86 / 86 / 81	86 / 86 / 77	86 / 86 / 77	86 / 86 / 73	86 / 82 / 71	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69	86 / 80 / 69		
C	All Mounts	7 to 27	90 / 90 / 84	90 / 90 / 81	90 / 90 / 79	90 / 89 / 76	90 / 86 / 74	90 / 84 / 72	90 / 82 / 71	90 / 80 / 69	90 / 80 / 69	90 / 80 / 69	90 / 80 / 69	90 / 80 / 69	90 / 80 / 69	90 / 80 / 69		
		27 to 45	104 / 104 / 104	103 / 103 / 103	101 / 101 / 100	99 / 99 / 96	98 / 97 / 97	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		45 to 90	109 / 103 / 103	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		0 to 7	86 / 86 / 77	86 / 86 / 74	86 / 84 / 72	86 / 82 / 70	86 / 80 / 68	86 / 78 / 67	86 / 76 / 65	86 / 74 / 62	85 / 72 / 60	85 / 70 / 58	84 / 67 / 55	83 / 76 / 46	82 / 71 / 37	79 / 70 / 70		
		7 to 27	92 / 91 / 79	92 / 89 / 76	92 / 86 / 74	92 / 84 / 72	92 / 81 / 70	92 / 79 / 68	92 / 77 / 67	90 / 75 / 65	89 / 74 / 62	88 / 73 / 60	88 / 72 / 60	88 / 70 / 58	87 / 67 / 55	86 / 64 / 46		
D	All Mounts	27 to 45	104 / 97 / 97	101 / 94 / 94	98 / 91 / 91	96 / 89 / 89	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86	94 / 86 / 86		
		45 to 90	109 / 103 / 103	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		0 to 7	83 / 83 / 77	83 / 83 / 74	83 / 83 / 72	83 / 82 / 70	83 / 80 / 68	83 / 78 / 67	83 / 76 / 65	83 / 74 / 62	83 / 72 / 60	83 / 71 / 58	83 / 69 / 56	83 / 66 / 52	83 / 63 / 46	83 / 60 / 41		
		7 to 27	98 / 87 / 87	98 / 87 / 84	98 / 87 / 82	98 / 86 / 74	98 / 84 / 72	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71		
		27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	100 / 100 / 100	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	96 / 94 / 94	94 / 90 / 90	91 / 87 / 87		
B	All Mounts	0 to 7	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 79	80 / 80 / 77	80 / 80 / 76	80 / 80 / 74	80 / 80 / 72	80 / 80 / 71	80 / 79 / 68	80 / 76 / 65	80 / 73 / 61		
		7 to 27	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 84	85 / 85 / 84	85 / 85 / 84	85 / 85 / 79	85 / 85 / 77	85 / 85 / 76	85 / 85 / 74	85 / 84 / 72	85 / 80 / 69	84 / 77 / 67	83 / 74 / 63		
		27 to 45	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	91 / 90 / 90	89 / 87 / 87	87 / 84 / 84		
		45 to 90	109 / 103 / 103	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		0 to 7	83 / 83 / 77	83 / 83 / 74	83 / 83 / 72	83 / 82 / 70	83 / 80 / 68	83 / 78 / 67	83 / 76 / 65	83 / 74 / 62	83 / 72 / 60	83 / 71 / 58	83 / 69 / 56	83 / 66 / 52	83 / 63 / 46	83 / 60 / 41		
C	All Mounts	7 to 27	98 / 87 / 87	98 / 87 / 84	98 / 87 / 82	98 / 86 / 74	98 / 84 / 72	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71	98 / 82 / 71		
		27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	100 / 100 / 100	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	96 / 94 / 94	94 / 90 / 90	91 / 87 / 87		
		45 to 90	109 / 103 / 103	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		0 to 7	80 / 80 / 77	80 / 80 / 74	80 / 80 / 72	80 / 80 / 70	80 / 80 / 68	80 / 78 / 67	80 / 76 / 65	80 / 74 / 62	80 / 72 / 60	80 / 71 / 58	80 / 69 / 56	80 / 66 / 52	80 / 63 / 46	80 / 60 / 41		
		7 to 27	85 / 85 / 79	85 / 85 / 76	85 / 84 / 72	85 / 81 / 70	85 / 79 / 68	84 / 77 / 67	83 / 75 / 65	83 / 74 / 62	82 / 72 / 60	82 / 70 / 58	80 / 67 / 55	79 / 64 / 49	78 / 61 / 44	75 / 59 / 41		
D	All Mounts	27 to 45	98 / 98 / 98	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 89 / 89	89 / 87 / 87	88 / 85 / 85	86 / 83 / 83	85 / 81 / 81	84 / 79 / 79	83 / 76 / 76	81 / 75 / 75	78 / 73 / 73		
		45 to 90	104 / 97 / 97	101 / 94 / 94	98 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 76 / 76	81 / 75 / 75	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67		
		0 to 7	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 77	78 / 78 / 76	78 / 78 / 74	78 / 78 / 72	78 / 78 / 71	78 / 78 / 68	78 / 76 / 65	78 / 73 / 61		
		7 to 27	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99		
		27 to 45	103 / 113 / 113	113 / 112 / 112	113 / 109 / 109	112 / 106 / 106	109 / 103 / 103	107 / 100 / 100	105 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	93 / 85 / 85	89 / 82 / 82	86 / 79 / 79		
B	All Mounts	0 to 7	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 77	78 / 78 / 76	78 / 78 / 74	78 / 78 / 72	78 / 78 / 71	78 / 78 / 68	78 / 76 / 65	78 / 73 / 61		
		7 to 27	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99		
		27 to 45	103 / 113 / 113	113 / 112 / 112	113 / 109 / 109	112 / 106 / 106	109 / 103 / 103	107 / 100 / 100	105 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	93 / 85 / 85	89 / 82 / 82	86 / 79 / 79		
		45 to 90	109 / 103 / 103	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		0 to 7	80 / 80 / 77	80 / 80 / 74	80 / 80 / 72	80 / 80 / 70	80 / 80 / 68	80 / 78 / 67	80 / 76 / 65	80 / 74 / 62	80 / 72 / 60	80 / 71 / 58	80 / 69 / 56	80 / 66 / 52	80 / 63 / 46	80 / 60 / 41		
C	All Mounts	7 to 27	85 / 85 / 79	85 / 85 / 76	85 / 84 / 72	85 / 81 / 70	85 / 79 / 68	84 / 77 / 67	83 / 75 / 65	83 / 74 / 62	82 / 72 / 60	82 / 70 / 58	80 / 67 / 55	79 / 64 / 49	78 / 61 / 44	75 / 59 / 41		
		27 to 45	98 / 98 / 98	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 89 / 89	89 / 87 / 87	88 / 85 / 85	86 / 83 / 83	85 / 81 / 81	84 / 79 / 79	83 / 76 / 76	81 / 75 / 75	78 / 73 / 73		
		45 to 90	104 / 97 / 97	101 / 94 / 94	98 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 76 / 76	81 / 75 / 75	78 / 72 / 72	75 / 69 / 69	72 / 67 / 67		
		0 to 7	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75		
		7 to 27	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94		
D	All Mounts	27 to 45	103 / 113 / 113	113 / 112 / 112	113 / 109 / 109	112 / 106 / 106	109 / 103 / 103	107 / 100 / 100	105 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	93 / 85 / 85	89 / 82 / 82	86 / 79 / 79		
		45 to 90	109 / 103 / 103	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	96 / 95 / 95	95 / 92 / 92	93 / 90 / 89	92 / 88 / 88	91 / 86 / 86	89 / 84 / 84	86 / 80 / 80	82 / 77 / 77	79 / 75 / 75		
		0 to 7	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75		
		7 to 27	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94		
		27 to 45	103 / 113 / 113	113 / 112 / 112	113 / 109 / 109	112 / 106 / 106	109 / 103 / 103	107 / 100 / 100	105 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	93 / 85 / 85	89 / 82 / 82	86 / 79 / 79		
B	All Mounts	0																

Maximum Rail Spans (Inches) **SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 5 3-Rail -- Landscape**

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed > Roof Zone >	Wind Speed															
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 86	88 / 88 / 84	88 / 88 / 82	88 / 88 / 79	88 / 88 / 78	88 / 88 / 76	88 / 86 / 74	88 / 85 / 72	88 / 81 / 69	88 / 78 / 67	88 / 75 / 64		
		7 to 27	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 91	92 / 92 / 88	92 / 92 / 86	92 / 92 / 81	92 / 92 / 79	92 / 90 / 78	92 / 90 / 76	92 / 87 / 74	92 / 82 / 71	91 / 79 / 68	91 / 76 / 66			
		27 to 45	All Mounts	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	106 / 106 / 106	104 / 104 / 104	103 / 103 / 103	101 / 101 / 101	100 / 99 / 99	99 / 97 / 97	96 / 93 / 93	94 / 89 / 89	91 / 86 / 86			
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81			
		0 to 7	All Mounts	88 / 88 / 84	88 / 88 / 81	88 / 88 / 79	88 / 88 / 77	88 / 87 / 74	88 / 82 / 71	88 / 80 / 69	88 / 79 / 67	88 / 77 / 66	88 / 75 / 64	88 / 73 / 62	85 / 69 / 54	82 / 67 / 48			
	C	7 to 27	All Mounts	92 / 92 / 86	92 / 92 / 83	92 / 92 / 81	92 / 91 / 78	92 / 89 / 76	92 / 87 / 74	92 / 84 / 72	92 / 82 / 71	92 / 80 / 69	91 / 86 / 86	90 / 83 / 83	87 / 71 / 58	85 / 68 / 52			
		27 to 45	All Mounts	107 / 107 / 107	105 / 105 / 105	104 / 104 / 104	104 / 104 / 104	104 / 104 / 100	99 / 97 / 97	97 / 95 / 95	96 / 92 / 92	94 / 90 / 90	93 / 88 / 88	91 / 86 / 86	89 / 79 / 79	87 / 76 / 72			
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 77 / 67	89 / 74 / 63	87 / 75 / 75	85 / 72 / 72			
		0 to 7	All Mounts	89 / 89 / 79	89 / 89 / 76	89 / 87 / 74	89 / 84 / 72	89 / 82 / 70	89 / 80 / 68	89 / 78 / 67	89 / 76 / 65	89 / 74 / 63	89 / 72 / 61	88 / 68 / 51	87 / 63 / 49	85 / 60 / 40			
		7 to 27	All Mounts	94 / 94 / 81	94 / 93 / 78	94 / 86 / 74	94 / 83 / 72	94 / 81 / 70	93 / 79 / 68	92 / 77 / 65	92 / 75 / 63	92 / 72 / 61	91 / 67 / 49	89 / 63 / 44	87 / 62 / 40	85 / 57 / 32			
35 psf	B	0 to 7	All Mounts	105 / 105 / 105	103 / 102 / 102	101 / 99 / 99	100 / 97 / 97	98 / 94 / 94	96 / 91 / 91	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68		
		7 to 27	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		27 to 45	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81			
		0 to 7	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 84	85 / 85 / 81	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 83 / 71	84 / 79 / 68	84 / 79 / 68	83 / 76 / 66	82 / 67 / 48	80 / 63 / 44			
	C	7 to 27	All Mounts	89 / 89 / 86	89 / 89 / 83	89 / 88 / 78	89 / 88 / 78	89 / 89 / 76	89 / 84 / 72	89 / 82 / 71	88 / 78 / 68	88 / 77 / 66	88 / 75 / 64	85 / 69 / 54	82 / 67 / 48	80 / 63 / 44			
		27 to 45	All Mounts	105 / 105 / 105	103 / 102 / 102	101 / 99 / 99	100 / 97 / 97	98 / 94 / 94	96 / 91 / 91	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71			
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 77 / 67	89 / 74 / 63	87 / 75 / 75	85 / 72 / 72			
		0 to 7	All Mounts	87 / 87 / 79	87 / 87 / 76	87 / 87 / 74	87 / 84 / 72	87 / 80 / 68	87 / 78 / 67	87 / 76 / 65	87 / 74 / 63	87 / 72 / 60	87 / 71 / 57	86 / 69 / 55	85 / 67 / 49	83 / 62 / 40			
		7 to 27	All Mounts	91 / 91 / 81	91 / 88 / 76	91 / 88 / 76	91 / 83 / 72	91 / 81 / 70	91 / 79 / 68	90 / 77 / 67	89 / 75 / 65	88 / 74 / 63	87 / 72 / 61	86 / 69 / 55	84 / 67 / 49	80 / 63 / 44			
40 psf	B	0 to 7	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		7 to 27	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		27 to 45	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 77 / 67	89 / 74 / 63	87 / 75 / 75	85 / 72 / 72			
		0 to 7	All Mounts	85 / 85 / 79	85 / 85 / 76	85 / 85 / 74	85 / 84 / 72	85 / 80 / 68	85 / 78 / 67	85 / 76 / 65	85 / 74 / 63	85 / 72 / 60	85 / 71 / 57	84 / 69 / 55	83 / 67 / 49	81 / 62 / 40			
	C	7 to 27	All Mounts	89 / 89 / 81	89 / 89 / 78	89 / 88 / 78	89 / 88 / 78	89 / 89 / 76	89 / 84 / 72	89 / 82 / 71	88 / 78 / 68	88 / 77 / 67	88 / 75 / 64	85 / 69 / 55	83 / 67 / 49	80 / 63 / 44			
		27 to 45	All Mounts	102 / 102 / 102	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	95 / 94 / 94	94 / 91 / 91	92 / 89 / 89	91 / 87 / 87	90 / 85 / 85	88 / 83 / 83	87 / 78 / 78	86 / 75 / 75	84 / 69 / 55			
		45 to 90	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		0 to 7	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 79	80 / 80 / 78	80 / 80 / 76	80 / 80 / 74	80 / 80 / 72	80 / 80 / 69	80 / 76 / 67	80 / 75 / 64	80 / 74 / 63			
		7 to 27	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 84	85 / 85 / 81	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 83 / 71	84 / 79 / 68	84 / 79 / 68	83 / 76 / 66			
45 psf	B	0 to 7	All Mounts	107 / 102 / 102	107 / 102 / 102	107 / 102 / 102	107 / 102 / 102	107 / 102 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81			
		7 to 27	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81			
		27 to 45	All Mounts	127 / 127 / 127	127 / 127 / 127	127 / 127 / 127	127 / 127 / 127	127 / 127 / 126	124 / 124 / 124	123 / 123 / 123	121 / 121 / 121	120 / 120 / 120	118 / 118 / 118	117 / 117 / 117	115 / 115 / 115	114 / 114 / 114			
		45 to 90	All Mounts	136 / 136 / 136	136 / 135 / 135	136 / 132 / 132	135 / 131 / 131	132 / 126 / 126	127 / 120 / 120	125 / 118 / 118	123 / 116 / 116	121 / 109 / 109	119 / 107 / 107	117 / 105 / 105	115 / 103 / 103	113 / 101 / 101			
		0 to 7	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 79	80 / 80 / 78	80 / 80 / 76	80 / 80 / 74	80 / 80 / 72	80 / 80 / 70	80 / 78 / 67	80 / 76 / 67	80 / 75 / 64			
	C	7 to 27	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 84	85 / 85 / 81	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 83 / 71	84 / 79 / 68	84 / 79 / 68	83 / 76 / 66			
		27 to 45	All Mounts	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	99 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	91 / 90 / 90	90 / 88 / 88	88 / 86 / 86	86 / 83 / 83	84 / 79 / 79	81 / 76 / 72			
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 97 / 97	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 77 / 67	89 / 74 / 63	87 / 75 / 75	85 / 72 / 72			
		0 to 7	All Mounts	83 / 83 / 79	83 / 83 / 76	83 / 83 / 74	83 / 83 / 72	83 / 82 / 70	83 / 80 / 68	83 / 78 / 67	83 / 76 / 65	83 / 74 / 63	83 / 72 / 60	83 / 68 / 51	82 / 65 / 45	79 / 72 / 72			
		7 to 27	All Mounts	87 / 87 / 81	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 83 / 72	87 / 81 / 70	86 / 79 / 68	86 / 77 / 67	85 / 75 / 65	84 / 74 / 63	83 / 69 / 55	81 / 67 / 49	80 / 63 / 44			
50 psf	B	0 to 7	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		7 to 27	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		27 to 45	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	100 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 71 / 71	74 / 68 / 68			
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81			
		0 to 7	All Mounts	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77			
	C	7 to 27	All Mounts	83 / 83 / 83	83 / 83 / 83	83 / 83 / 81	83 / 83 / 78	83 / 83 / 76	83 / 83 / 72	83 / 82 / 71	82 / 80 / 69	81 / 77 / 66	80 / 73 / 62	80 / 71 / 58	79 / 68 / 52	77 / 67 / 48			
		27 to 45	All Mounts	100 / 100 / 100	100														

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape															
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
0 psf	B	0 to 7	All Mounts	112/111/94	112/107/91	112/104/89	112/101/86	112/98/84	112/95/82	112/93/79	112/91/76	109/88/76	107/86/74	104/85/69	103/83/67	100/81/64	96/78/61	92/75/54
		7 to 27	All Mounts	113/113/97	113/109/94	113/106/91	113/103/88	113/99/84	113/95/81	113/92/78	109/89/74	107/86/69	105/84/66	103/82/63	100/80/60	97/77/57	94/74/51	90/71/44
		27 to 45	All Mounts	115/115/115	115/115/115	115/115/115	115/115/115	114/112/112	113/109/109	109/107/107	107/104/104	105/101/101	103/98/99	101/96/96	99/94/91	97/91/88	94/88/84	90/85/78
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/94/91	99/92/89	97/90/87	94/87/84	90/84/81	86/81/74
		0 to 7	All Mounts	112/98/84	112/95/81	112/92/79	112/89/77	107/87/74	104/85/73	102/83/71	99/80/69	97/78/67	95/76/65	93/74/63	91/72/60	88/70/57	85/68/56	82/67/53
0 psf	C	7 to 27	All Mounts	114/112/112	114/108/109	113/106/106	113/103/103	113/99/94	113/95/91	113/91/87	109/88/74	107/86/72	105/84/70	103/82/68	100/80/66	97/78/64	94/76/60	90/73/59
		27 to 45	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/94/91	99/92/89	97/90/87	94/87/84	90/84/81	86/81/74
		45 to 90	All Mounts	112/106/106	109/102/102	106/99/99	104/97/97	101/94/94	98/92/92	95/89/89	92/86/86	89/83/83	86/80/80	83/77/77	80/74/74	77/71/71	74/68/68	71/64/64
		0 to 7	All Mounts	112/92/79	111/89/76	107/87/74	104/84/72	101/83/70	98/80/68	96/78/67	93/76/65	91/74/63	89/72/60	87/70/59	84/67/55	82/65/50	79/72/72	77/63/44
		7 to 27	All Mounts	113/94/81	113/91/78	113/88/76	108/86/74	105/83/72	102/83/70	99/81/69	97/79/68	94/78/67	92/77/67	90/75/65	88/73/63	86/71/61	83/69/57	80/63/48
5 psf	B	0 to 7	All Mounts	109/106/106	106/102/102	103/99/99	101/97/97	98/94/94	96/91/91	94/88/88	92/85/85	90/82/82	87/80/80	85/78/78	82/75/75	79/72/72	76/69/66	73/62/44
		7 to 27	All Mounts	107/99/99	104/96/96	101/94/94	99/91/91	96/89/89	94/86/86	92/83/83	89/80/80	87/78/78	84/75/75	82/72/72	80/70/70	77/67/67	74/64/64	71/61/61
		27 to 45	All Mounts	109/109/94	109/107/94	109/104/89	109/101/86	109/98/84	109/95/81	109/92/78	109/89/74	109/86/70	109/83/66	109/80/62	109/77/58	109/74/54	109/71/50	109/68/46
		0 to 7	All Mounts	113/113/97	113/109/94	113/106/91	113/103/88	113/99/84	113/95/81	113/92/78	109/89/74	107/86/69	105/84/66	103/82/63	100/80/60	97/77/57	94/74/51	90/71/44
		7 to 27	All Mounts	115/115/115	115/115/115	115/115/115	115/115/115	114/112/112	113/109/109	109/107/107	107/104/104	105/101/101	103/98/99	101/96/96	99/94/91	97/91/88	94/88/84	90/85/78
5 psf	C	45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/94/91	99/92/89	97/90/87	94/87/84	90/84/81	86/81/74
		0 to 7	All Mounts	109/98/84	109/95/81	109/92/79	109/89/77	107/87/74	104/85/73	102/83/71	99/80/69	97/78/67	95/76/65	93/74/63	91/72/60	88/70/57	85/68/56	82/67/53
		7 to 27	All Mounts	113/100/86	113/97/83	113/94/81	113/91/78	113/88/76	113/85/74	113/82/72	113/79/69	113/76/66	113/73/62	113/70/59	113/67/56	113/64/53	113/61/50	113/58/47
		27 to 45	All Mounts	114/112/112	111/109/109	109/106/106	106/102/102	104/100/100	102/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	89/84/84	87/82/82	85/80/80	83/78/78
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/94/91	99/92/89	97/90/87	94/87/84	90/84/81	86/81/74
10 psf	B	0 to 7	All Mounts	108/108/97	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94	108/100/94
		7 to 27	All Mounts	115/115/115	115/115/115	115/115/115	115/115/115	114/112/112	113/109/109	109/107/107	107/104/104	105/101/101	103/98/99	101/96/96	99/94/91	97/91/88	94/88/84	90/85/78
		27 to 45	All Mounts	108/100/86	108/97/83	108/94/81	108/91/78	108/88/76	108/85/74	108/82/72	108/79/69	108/76/69	108/73/67	108/70/65	108/67/63	108/64/60	108/61/56	108/58/52
		45 to 90	All Mounts	112/112/112	111/109/109	109/106/106	106/103/103	104/100/100	102/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	89/84/84	87/82/82	85/80/80	83/78/78
		0 to 7	All Mounts	108/92/79	107/89/76	107/86/74	107/83/71	107/80/68	107/77/65	107/74/62	107/71/59	107/68/56	107/65/53	107/62/50	107/59/48	107/56/46	107/53/44	107/50/42
10 psf	C	7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	102/83/70	99/81/69	97/79/68	94/78/67	92/77/67	90/75/65	88/73/63	86/71/61	83/69/59	80/63/48
		27 to 45	All Mounts	109/106/106	106/103/102	103/99/99	101/97/97	98/94/94	96/91/91	94/88/88	92/85/85	90/82/82	87/80/80	85/78/78	82/75/75	79/72/72	76/69/66	73/62/44
		45 to 90	All Mounts	107/99/99	104/96/96	101/94/94	99/91/91	96/89/89	94/86/86	92/83/83	89/80/80	87/78/78	84/75/75	82/72/72	80/70/70	77/67/67	74/64/64	71/61/61
		0 to 7	All Mounts	94/94/94	94/91/91	94/88/88	94/85/84	94/82/82	94/79/79	94/76/76	94/73/73	94/70/70	94/67/67	94/64/64	94/61/61	94/58/58	94/55/55	94/52/52
		7 to 27	All Mounts	103/103/97	103/103/94	103/103/91	103/103/88	103/103/85	103/103/82	103/103/79	103/103/76	103/103/73	103/103/70	103/103/67	103/103/64	103/103/61	103/103/58	103/103/55
15 psf	B	27 to 45	All Mounts	115/115/115	115/115/115	115/115/115	115/115/115	114/112/112	113/109/109	109/107/107	107/104/104	105/101/101	103/98/99	101/96/96	99/94/91	97/91/88	94/88/84	90/85/78
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/94/91	99/92/89	97/90/87	94/87/84	90/84/81	86/81/74
		0 to 7	All Mounts	94/94/84	94/94/84	94/92/79	94/89/77	94/87/74	94/85/73	94/82/71	94/80/69	94/78/67	94/76/65	94/74/63	94/72/61	94/70/59	94/68/57	94/66/55
		7 to 27	All Mounts	103/100/86	103/97/83	103/94/81	103/91/78	103/88/76	103/85/74	103/82/72	103/79/69	103/76/66	103/73/62	103/70/59	103/67/56	103/64/53	103/61/50	103/58/47
		27 to 45	All Mounts	114/112/112	111/109/109	109/106/106	106/103/102	104/100/100	102/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	89/84/84	87/82/82	85/80/80	83/78/78
15 psf	C	45 to 90	All Mounts	112/106/106	109/102/102	106/99/99	104/97/97	101/94/94	98/92/92	95/89/89	92/86/86	89/83/83	86/80/80	83/77/77	80/74/74	77/71/71	74/68/68	71/64/64
		0 to 7	All Mounts	94/92/79	94/89/76	94/87/74	94/84/72	94/82/70	94/80/68	94/78/67	94/76/65	94/74/63	94/72/61	94/70/59	94/68/57	94/66/55	94/64/53	94/62/51
		7 to 27	All Mounts	105/94/81	105/91/78	105/88/76	105/86/74	105/83/72	105/80/70	105/77/68	105/74/67	105/71/66	105/68/65	105/65/62	105/62/59	105/59/56	105/56/53	105/53/50
		27 to 45	All Mounts	109/106/106	106/102/102	103/99/99	101/97/97	98/94/94	96/91/91	94/88/88	92/85/85	90/82/82	87/80/80	85/78/78	82/75/75	79/72/72	76/69/66	73/62/44
		45 to 90	All Mounts	107/99/99	104/96/96	101/94/94	99/91/91	96/89/89	94/86/86	92/83/83	89/80/80	87/78/78	84/75/75	82/72/72	80/70/70	77/67/67	74/64/64	71/61/61
20 psf	B	0 to 7	All Mounts	99/99/86	99/97/83	99/94/81	99/91/78	99/89/76	99/86/74	99/83/72	99/80/70	99/77/68	99/74/67	99/71/66	99/68/65	99/65/62	99/62/59	99/59/56
		7 to 27	All Mounts	112/112/112	111/109/109	109/106/106	106/103/102	104/100/100	102/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	89/84/84	87/82/82	85/80/80	83/78/78
		27 to 45	All Mounts	114/112/112	111/109/109	109/106/106	106/103/102	104/100/100	102/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	89/84/84	87/82/82	85/80/80	83/78/78
		45 to 90	All Mounts	109/102/102	106/99/99	104/97/97	101/94/94	98/92/92	95/89/89	92/86/86	89/83/83	86/80/80	83/77/77	80/74/74	77/71/71	74/68/68	71/64/64	68/61/58
		0 to 7	All Mounts	89/89/79	89/87/76	89/84/74	89/81/72	89/78/70	89/75/68	89/72/67	89/69/65	89/66/63	89/63/60	89/60/57	89/57/54	89/54/51	89/51/48	89/48/45
20 psf	C	7 to 27	All Mounts	99/99/86	99/97/83	9												

Maximum Rail Spans (Inches) **SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape** **Bin 6 3-Rail -- Bin 6 3-Rail -- Landscape**

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 86	88 / 88 / 84	88 / 88 / 82	88 / 88 / 79	88 / 88 / 78	88 / 88 / 76	88 / 88 / 74	88 / 85 / 72	88 / 81 / 69	88 / 78 / 67	88 / 75 / 64		
		7 to 27	All Mounts	92 / 92 / 92	92 / 92 / 92	92 / 92 / 91	92 / 92 / 88	92 / 92 / 86	92 / 92 / 84	92 / 92 / 81	92 / 92 / 79	92 / 92 / 78	92 / 90 / 78	92 / 88 / 76	92 / 86 / 74	92 / 82 / 71	92 / 80 / 69	90 / 76 / 66	
		27 to 45	All Mounts	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 106	106 / 106 / 106	104 / 104 / 104	103 / 103 / 103	101 / 101 / 101	100 / 99 / 99	99 / 97 / 97	96 / 96 / 96	94 / 94 / 94	91 / 89 / 89	90 / 86 / 86	
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	110 / 103 / 103	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	87 / 78 / 76	
		0 to 7	All Mounts	88 / 88 / 84	88 / 88 / 81	88 / 88 / 79	88 / 88 / 77	88 / 87 / 74	88 / 85 / 73	88 / 82 / 71	88 / 80 / 69	88 / 79 / 67	88 / 77 / 66	88 / 76 / 65	88 / 75 / 64	88 / 74 / 63	88 / 73 / 62	87 / 72 / 72	
	C	7 to 27	All Mounts	92 / 92 / 86	92 / 92 / 83	92 / 92 / 81	92 / 91 / 78	92 / 89 / 76	92 / 87 / 74	92 / 85 / 72	92 / 83 / 71	92 / 81 / 68	90 / 77 / 66	89 / 73 / 62	87 / 71 / 59	85 / 68 / 56	83 / 79 / 79	81 / 76 / 76	
		27 to 45	All Mounts	107 / 107 / 107	105 / 105 / 105	104 / 104 / 104	104 / 104 / 99	104 / 104 / 94	99 / 97 / 97	97 / 95 / 95	96 / 92 / 92	94 / 90 / 90	93 / 88 / 88	91 / 86 / 86	89 / 83 / 83	85 / 78 / 78	82 / 75 / 75	79 / 72 / 72	
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 92 / 92	101 / 94 / 94	99 / 92 / 92	97 / 95 / 95	96 / 92 / 92	94 / 90 / 90	93 / 88 / 88	91 / 86 / 86	89 / 83 / 83	85 / 78 / 78	82 / 75 / 75	79 / 72 / 72	
		0 to 7	All Mounts	89 / 89 / 79	89 / 89 / 76	89 / 87 / 74	89 / 84 / 72	89 / 82 / 70	89 / 80 / 68	89 / 78 / 67	89 / 77 / 65	89 / 76 / 63	89 / 75 / 59	89 / 74 / 55	89 / 73 / 50	89 / 72 / 44	89 / 71 / 42	89 / 70 / 34	
		7 to 27	All Mounts	94 / 94 / 81	94 / 94 / 78	94 / 94 / 76	94 / 94 / 74	94 / 94 / 72	94 / 94 / 70	94 / 94 / 68	94 / 94 / 65	94 / 94 / 63	94 / 94 / 61	94 / 94 / 59	94 / 94 / 57	94 / 94 / 55	94 / 94 / 53	94 / 94 / 51	
35 psf	D	27 to 45	All Mounts	105 / 105 / 105	103 / 102 / 102	101 / 99 / 99	100 / 97 / 97	98 / 94 / 94	96 / 91 / 91	94 / 89 / 89	92 / 87 / 87	90 / 85 / 85	88 / 83 / 83	87 / 80 / 74	86 / 78 / 78	85 / 76 / 72	83 / 79 / 79	81 / 76 / 76	
		45 to 90	All Mounts	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	104 / 96 / 96	
		0 to 7	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	
		7 to 27	All Mounts	89 / 89 / 89	89 / 89 / 89	89 / 89 / 89	89 / 89 / 88	89 / 89 / 86	89 / 89 / 84	89 / 89 / 81	89 / 89 / 79	89 / 89 / 78	89 / 89 / 76	89 / 89 / 74	89 / 89 / 72	89 / 89 / 70	89 / 89 / 68	89 / 89 / 66	89 / 89 / 64
		45 to 90	All Mounts	105 / 105 / 105	103 / 102 / 102	100 / 99 / 99	100 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 92 / 92	91 / 88 / 88	89 / 86 / 86	87 / 83 / 83	85 / 79 / 79	83 / 75 / 75	80 / 72 / 72	77 / 69 / 69	
	B	7 to 27	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	87 / 78 / 76	85 / 76 / 72	
		45 to 90	All Mounts	116 / 116 / 116	116 / 115 / 115	116 / 112 / 112	115 / 109 / 109	112 / 106 / 106	107 / 100 / 100	105 / 98 / 98	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	87 / 78 / 76	85 / 76 / 72	
		0 to 7	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	
		7 to 27	All Mounts	89 / 89 / 86	89 / 89 / 83	89 / 89 / 81	89 / 89 / 78	89 / 89 / 76	89 / 89 / 74	89 / 89 / 72	89 / 89 / 70	89 / 89 / 68	89 / 89 / 66	89 / 89 / 64	89 / 89 / 62	89 / 89 / 60	89 / 89 / 58	89 / 89 / 56	
		45 to 90	All Mounts	105 / 105 / 105	103 / 102 / 102	100 / 99 / 99	100 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 92 / 92	91 / 88 / 88	89 / 86 / 86	87 / 83 / 83	85 / 79 / 79	83 / 75 / 75	80 / 72 / 72	77 / 69 / 69	
40 psf	D	27 to 45	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 92 / 92	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 81 / 81	89 / 74 / 63	87 / 75 / 75	85 / 68 / 56	83 / 79 / 79	81 / 76 / 76	
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 92 / 92	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 81 / 81	89 / 74 / 63	87 / 75 / 75	85 / 68 / 56	83 / 79 / 79	81 / 76 / 76	
		0 to 7	All Mounts	87 / 87 / 86	87 / 87 / 83	87 / 87 / 81	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 84 / 72	87 / 82 / 70	87 / 80 / 68	87 / 78 / 67	87 / 76 / 65	87 / 74 / 63	87 / 72 / 61	87 / 70 / 59	86 / 68 / 56	
		7 to 27	All Mounts	91 / 91 / 81	91 / 91 / 78	91 / 88 / 76	91 / 86 / 74	91 / 83 / 72	91 / 81 / 70	91 / 79 / 68	90 / 77 / 67	89 / 75 / 65	88 / 74 / 63	87 / 72 / 61	86 / 69 / 57	85 / 63 / 48	83 / 69 / 53	80 / 63 / 48	
		45 to 90	All Mounts	107 / 99 / 99	104 / 96 / 96	101 / 94 / 94	99 / 91 / 91	96 / 89 / 89	94 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 79 / 79	83 / 77 / 77	80 / 74 / 74	77 / 71 / 71	74 / 68 / 68	71 / 71 / 71	
	B	7 to 27	All Mounts	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 87	87 / 87 / 86	87 / 87 / 84	87 / 87 / 81	87 / 87 / 79	87 / 87 / 78	87 / 87 / 76	87 / 87 / 74	87 / 87 / 72	87 / 87 / 70	87 / 87 / 68	87 / 87 / 66	
		45 to 90	All Mounts	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 96 / 96	101 / 93 / 93	99 / 91 / 91	95 / 88 / 88	92 / 84 / 84	88 / 81 / 81	
		0 to 7	All Mounts	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	
		7 to 27	All Mounts	87 / 87 / 86	87 / 87 / 83	87 / 87 / 81	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 84 / 72	87 / 82 / 70	87 / 80 / 68	87 / 78 / 67	87 / 76 / 65	87 / 74 / 63	87 / 72 / 61	87 / 70 / 59	86 / 68 / 56	
		45 to 90	All Mounts	103 / 103 / 103	102 / 102 / 102	100 / 99 / 99	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 92 / 92	91 / 88 / 88	89 / 86 / 86	87 / 83 / 83	85 / 79 / 79	83 / 75 / 75	80 / 72 / 72	77 / 69 / 69	
45 psf	D	7 to 27	All Mounts	89 / 89 / 81	89 / 89 / 78	89 / 88 / 76	89 / 86 / 74	89 / 84 / 72	89 / 81 / 70	88 / 79 / 68	88 / 77 / 67	88 / 76 / 65	88 / 75 / 64	88 / 74 / 63	88 / 73 / 62	88 / 72 / 61	88 / 71 / 60	88 / 70 / 59	
		45 to 90	All Mounts	102 / 102 / 102	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	95 / 94 / 94	94 / 91 / 91	92 / 89 / 89	90 / 87 / 87	89 / 86 / 86	88 / 83 / 83	87 / 81 / 81	86 / 75 / 75	85 / 68 / 56	83 / 79 / 79	81 / 76 / 76	
		0 to 7	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	
		7 to 27	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	
		45 to 90	All Mounts	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	107 / 107 / 107	
	B	7 to 27	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	
		45 to 90	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	
		0 to 7	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	
		7 to 27	All Mounts	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	101 / 101 / 101	
		45 to 90	All Mounts	112 / 106 / 106	109 / 102 / 102	106 / 99 / 99	104 / 92 / 92	101 / 94 / 94	99 / 92 / 92	97 / 89 / 89	95 / 87 / 87	93 / 84 / 84	91 / 81 / 81	89 / 74 / 63	87 / 75 / 75	85 / 68 / 56	83 / 79 / 79	81 / 76 / 76	
50 psf	D	7 to 27	All Mounts	87 / 87 / 81	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 84 / 72	87 / 81 / 70	86 / 79 / 68	86 / 77 / 67	85 / 75 / 65	84 / 74 / 63	83 / 69 / 57	81 / 67 / 53	80 / 63 / 48	</		

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)		SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
				1 / 2 / 3	83 / 83 / 83	83 / 83 / 83	83 / 83 / 82	83 / 83 / 79	83 / 83 / 77	83 / 83 / 75	83 / 83 / 74	83 / 83 / 72	83 / 82 / 70	83 / 80 / 69	83 / 77 / 66	83 / 74 / 62	83 / 71 / 59	
30 psf	B	0 to 7	All Mounts	87 / 87 / 87	87 / 87 / 87	87 / 87 / 86	87 / 87 / 84	87 / 87 / 81	87 / 87 / 79	87 / 87 / 77	87 / 87 / 75	87 / 87 / 74	87 / 86 / 72	87 / 85 / 72	87 / 84 / 72	87 / 83 / 72	87 / 81 / 70	86 / 81 / 69
		7 to 27	All Mounts	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	102 / 102 / 102	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 94 / 94	94 / 92 / 92	91 / 88 / 88	89 / 85 / 85	86 / 81 / 81	
		27 to 45	All Mounts	110 / 110 / 110	110 / 109 / 109	110 / 106 / 106	109 / 103 / 103	106 / 100 / 100	104 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	94 / 87 / 87	90 / 83 / 83	87 / 80 / 80	84 / 77 / 77	
		0 to 7	All Mounts	83 / 83 / 79	83 / 83 / 77	83 / 83 / 75	83 / 83 / 73	83 / 82 / 71	83 / 80 / 69	83 / 78 / 67	83 / 76 / 65	83 / 74 / 63	83 / 73 / 63	83 / 71 / 59	83 / 68 / 55	81 / 66 / 52	78 / 62 / 49	
		7 to 27	All Mounts	87 / 87 / 81	87 / 87 / 79	87 / 87 / 76	87 / 86 / 74	87 / 84 / 72	87 / 82 / 70	87 / 80 / 67	87 / 78 / 65	87 / 76 / 63	87 / 74 / 61	85 / 73 / 61	84 / 70 / 57	83 / 67 / 54	80 / 64 / 51	
	C	27 to 45	All Mounts	101 / 101 / 101	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 94 / 94	94 / 92 / 92	91 / 87 / 87	89 / 85 / 85	88 / 83 / 83	86 / 82 / 82	83 / 78 / 78	80 / 75 / 75	77 / 72 / 72	
		45 to 90	All Mounts	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	98 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	80 / 74 / 74	77 / 71 / 71	74 / 69 / 69	
		0 to 7	All Mounts	84 / 84 / 75	84 / 82 / 74	84 / 82 / 70	84 / 80 / 68	84 / 78 / 67	84 / 76 / 64	84 / 74 / 62	84 / 72 / 60	84 / 70 / 58	84 / 69 / 56	82 / 67 / 54	79 / 64 / 51	76 / 60 / 48	73 / 57 / 45	
		7 to 27	All Mounts	89 / 89 / 77	89 / 86 / 74	89 / 84 / 72	89 / 81 / 70	89 / 79 / 68	89 / 77 / 66	88 / 73 / 62	87 / 72 / 60	86 / 70 / 58	85 / 68 / 56	82 / 66 / 53	79 / 62 / 50	76 / 58 / 47		
		27 to 45	All Mounts	100 / 100 / 100	98 / 97 / 97	96 / 94 / 94	94 / 92 / 92	93 / 89 / 89	91 / 87 / 87	89 / 85 / 85	87 / 82 / 82	85 / 81 / 71	84 / 79 / 79	82 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 68 / 68	
35 psf	B	0 to 7	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 79	81 / 81 / 77	81 / 81 / 75	81 / 81 / 74	81 / 81 / 72	81 / 81 / 70	81 / 80 / 69	81 / 77 / 66	81 / 74 / 62	81 / 71 / 59	
		7 to 27	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 84	85 / 85 / 81	85 / 85 / 79	85 / 85 / 77	85 / 85 / 75	85 / 85 / 74	85 / 85 / 72	85 / 82 / 70	85 / 78 / 67	84 / 75 / 64	83 / 72 / 61	
		27 to 45	All Mounts	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	89 / 88 / 88	
		0 to 7	All Mounts	81 / 81 / 79	81 / 81 / 77	81 / 81 / 75	81 / 81 / 73	81 / 81 / 71	81 / 80 / 69	81 / 78 / 67	81 / 76 / 65	81 / 74 / 63	81 / 73 / 63	81 / 71 / 59	81 / 68 / 55	81 / 66 / 52	78 / 62 / 49	
		7 to 27	All Mounts	85 / 85 / 81	85 / 85 / 79	85 / 85 / 76	85 / 85 / 74	85 / 84 / 72	85 / 82 / 70	85 / 80 / 67	85 / 78 / 65	84 / 76 / 65	84 / 74 / 63	83 / 73 / 61	82 / 70 / 57	81 / 67 / 54	78 / 62 / 49	
	C	27 to 45	All Mounts	100 / 100 / 100	98 / 98 / 98	97 / 97 / 97	95 / 95 / 95	94 / 94 / 94	92 / 92 / 92	91 / 90 / 90	90 / 87 / 87	89 / 85 / 85	87 / 83 / 83	86 / 82 / 82	83 / 78 / 78	80 / 75 / 75	77 / 72 / 72	
		45 to 90	All Mounts	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	98 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	80 / 74 / 74	77 / 71 / 71	74 / 69 / 69	
		0 to 7	All Mounts	83 / 83 / 75	83 / 83 / 72	83 / 82 / 70	83 / 80 / 68	83 / 78 / 67	83 / 76 / 64	83 / 74 / 62	83 / 72 / 60	83 / 70 / 58	83 / 69 / 56	82 / 67 / 54	79 / 64 / 51	76 / 60 / 48	73 / 57 / 45	
		7 to 27	All Mounts	87 / 87 / 77	87 / 86 / 74	87 / 84 / 72	87 / 81 / 70	87 / 79 / 68	87 / 77 / 66	86 / 75 / 64	85 / 73 / 62	85 / 72 / 60	84 / 70 / 58	83 / 68 / 56	82 / 66 / 53	79 / 62 / 50	76 / 58 / 47	
		27 to 45	All Mounts	98 / 98 / 98	96 / 96 / 96	95 / 94 / 94	93 / 92 / 92	92 / 89 / 89	90 / 87 / 87	89 / 85 / 85	87 / 82 / 82	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 68 / 68	
40 psf	B	0 to 7	All Mounts	101 / 94 / 94	98 / 91 / 91	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	
		7 to 27	All Mounts	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 77	78 / 78 / 75	78 / 78 / 72	78 / 78 / 70	78 / 77 / 69	78 / 76 / 69	78 / 75 / 62	78 / 74 / 62	78 / 71 / 59	
		27 to 45	All Mounts	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 81	82 / 82 / 79	82 / 82 / 75	82 / 82 / 72	82 / 82 / 70	82 / 82 / 68	82 / 82 / 66	82 / 82 / 64	82 / 82 / 62	81 / 72 / 61	
		0 to 7	All Mounts	98 / 98 / 98	98 / 98 / 98	98 / 98 / 98	98 / 98 / 98	98 / 98 / 98	97 / 97 / 97	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	89 / 88 / 88	87 / 85 / 85	85 / 81 / 81	
		7 to 27	All Mounts	110 / 110 / 110	110 / 109 / 109	110 / 106 / 106	109 / 103 / 103	106 / 100 / 100	104 / 98 / 98	102 / 95 / 95	100 / 93 / 93	98 / 91 / 91	96 / 89 / 89	94 / 87 / 87	90 / 83 / 83	87 / 80 / 80	84 / 77 / 77	
	C	27 to 45	All Mounts	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 92 / 92	90 / 89 / 89	89 / 87 / 87	88 / 85 / 85	86 / 83 / 82	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 68 / 68	
		45 to 90	All Mounts	101 / 94 / 94	98 / 91 / 91	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	
		0 to 7	All Mounts	80 / 80 / 75	80 / 80 / 72	80 / 80 / 70	80 / 80 / 68	80 / 78 / 67	80 / 76 / 64	80 / 74 / 62	80 / 72 / 60	80 / 70 / 58	80 / 69 / 56	80 / 67 / 54	79 / 64 / 51	76 / 60 / 48	73 / 57 / 45	
		7 to 27	All Mounts	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 92 / 92	90 / 89 / 89	89 / 87 / 87	88 / 85 / 85	86 / 83 / 82	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 68 / 68	
		27 to 45	All Mounts	104 / 94 / 94	98 / 91 / 91	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	
45 psf	B	0 to 7	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 79	80 / 80 / 76	80 / 80 / 73	80 / 80 / 70	80 / 79 / 73	80 / 78 / 67	80 / 77 / 65	80 / 76 / 64	80 / 75 / 61	
		7 to 27	All Mounts	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 92 / 92	90 / 89 / 89	89 / 87 / 87	88 / 85 / 85	86 / 83 / 82	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 68 / 68	
		27 to 45	All Mounts	108 / 108 / 108	107 / 107 / 107	106 / 106 / 106	105 / 105 / 105	104 / 104 / 104	103 / 103 / 103	102 / 102 / 102	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 94 / 94	
		0 to 7	All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 75	76 / 76 / 72	76 / 76 / 70	76 / 75 / 69	76 / 74 / 66	76 / 73 / 62	76 / 72 / 61	76 / 71 / 60	
		7 to 27	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 79	80 / 80 / 76	80 / 80 / 73	80 / 80 / 70	80 / 79 / 73	80 / 78 / 67	80 / 77 / 65	80 / 76 / 64	80 / 75 / 61	
	C	27 to 45	All Mounts	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 92 / 92	90 / 89 / 89	89 / 87 / 87	88 / 85 / 85	86 / 83 / 82	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 68 / 68	
		45 to 90	All Mounts	106 / 100 / 100	104 / 97 / 97	101 / 94 / 94	98 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	80 / 74 / 74	77 / 71 / 71	74 / 69 / 69	
		0 to 7	All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 75	76 / 76 / 72	76 / 76 / 70	76 / 75 / 69	76 / 74 / 66	76 / 73 / 62	76 / 72 / 61	76 / 71 / 60	
		7 to 27	All Mounts	80 / 80 / 77	80 / 80 / 74	80 / 80 / 72	80 / 80 / 70	80 / 80 / 68	80 / 77 / 66	80 / 75 / 64	79 / 73 / 62	79 / 72 / 60	78 / 70 / 58	78 / 68 / 56	77 / 66 / 53	76 / 62 / 50	73 / 58 / 47	
		27 to 45	All Mounts	101 / 94 / 94	98 / 91 / 91	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	
50 psf	B	0 to 7	All Mounts	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 72	73 / 73 / 69	73 / 73 / 66	73 / 73 / 64	73 / 73 / 59	
		7 to 27	All Mounts	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 77	78 / 78 / 75	78 / 78 / 72	78 / 78 / 70	78 / 77 / 69	78 / 76 / 69	78 / 75 / 62	78 / 74 / 62	78 / 71 / 59	
		27 to 45	All Mounts	95 / 95 / 95	95 / 95 / 95	95 / 95 / 95	95 / 95 / 95	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 88 / 88	88 / 85 / 85	87 / 83 / 83	87 / 82 / 82	85 / 85 / 85	83 / 81 / 81	
		0 to 7	All Mounts	110 / 110 / 110	110 / 109 / 109	110 / 10												

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Bin 8 3-Rail -- Landscape

SnapTrack UR-40 Rail Flush-Mount on 0 to 30 Foot Roof -- Landscape																				
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
0 psf	B	0 to 7	All Mounts	112/113/94	112/107/91	112/104/89	112/102/86	112/98/84	112/95/82	112/93/79	112/91/78	109/88/76	107/86/74	104/85/72	100/83/69	96/78/67	92/75/64	88/73/61		
		7 to 27	All Mounts	113/113/97	113/109/94	113/106/91	113/103/88	113/99/86	113/97/84	113/95/81	113/92/79	113/90/78	108/86/76	105/84/74	103/83/73	99/80/68	95/76/66	91/86/86		
		27 to 45	All Mounts	115/115/115	115/115/115	115/115/115	115/115/115	114/112/112	113/109/109	109/107/107	107/104/104	105/101/101	103/99/99	101/97/97	97/93/93	94/89/89	91/86/86	88/81/81		
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	85/68/56	81/76/76	
		0 to 7	All Mounts	112/98/84	112/92/79	111/89/77	111/85/73	108/85/73	107/82/71	105/80/69	103/80/68	101/79/67	99/78/66	97/77/66	95/76/66	93/69/57	89/64/54	85/68/56	81/76/76	
0 psf	C	7 to 27	All Mounts	113/100/86	113/97/83	113/94/81	113/91/78	111/89/76	108/86/74	105/84/72	103/82/71	101/80/69	99/78/67	97/77/66	95/76/66	93/69/57	89/64/54	85/68/56	81/76/76	
		27 to 45	All Mounts	114/112/112	111/109/109	109/106/106	106/102/102	104/100/100	101/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	88/83/83	85/79/79	81/76/76	77/72/72		
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	85/68/56	81/76/76	
		0 to 7	All Mounts	109/98/84	109/95/81	109/92/79	108/89/77	107/87/74	105/84/72	103/82/71	101/80/69	99/78/67	97/77/66	95/76/66	93/69/57	89/64/54	85/68/56	81/76/76	77/72/72	
		7 to 27	All Mounts	113/94/81	113/91/78	111/88/76	108/86/74	105/83/72	104/80/68	102/81/70	99/78/67	97/77/66	95/76/66	93/69/57	91/66/54	88/63/51	85/60/47	81/57/44	77/72/72	
5 psf	D	0 to 7	All Mounts	109/106/106	106/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94		
		7 to 27	All Mounts	109/106/106	106/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		27 to 45	All Mounts	114/112/112	111/109/109	109/106/106	106/102/102	104/100/100	101/97/97	99/95/95	97/92/92	95/90/90	93/88/88	91/86/86	88/83/83	85/79/79	81/76/76	77/72/72	74/68/68	
		45 to 90	All Mounts	116/116/116	116/115/115	116/112/112	115/109/109	112/106/106	110/103/103	107/100/100	105/98/98	103/96/96	101/93/93	99/91/91	95/88/88	92/84/84	88/81/81	85/68/56	81/76/76	77/72/72
		0 to 7	All Mounts	107/99/99	105/96/96	103/94/94	101/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	89/94/94	
10 psf	B	0 to 7	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		27 to 45	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		45 to 90	All Mounts	111/108/108	109/105/105	107/102/102	105/99/109	103/96/106	101/93/103	99/90/110	97/87/117	95/84/124	93/81/131	91/78/138	89/75/145	87/72/152	85/69/159	83/66/166	81/68/68	
		0 to 7	All Mounts	107/99/99	105/96/96	103/94/94	101/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	89/94/94	
15 psf	C	7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		27 to 45	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		45 to 90	All Mounts	112/106/106	109/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		0 to 7	All Mounts	107/99/99	105/96/96	103/94/94	101/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	89/94/94	
		7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
20 psf	D	7 to 27	All Mounts	109/106/106	106/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		27 to 45	All Mounts	109/106/106	106/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		45 to 90	All Mounts	112/106/106	109/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		0 to 7	All Mounts	107/99/99	105/96/96	103/94/94	101/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	89/94/94	
		7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
25 psf	B	7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		27 to 45	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
		45 to 90	All Mounts	112/106/106	109/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		0 to 7	All Mounts	107/99/99	105/96/96	103/94/94	101/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	89/94/94	
		7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	
25 psf	D	7 to 27	All Mounts	109/106/106	106/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		27 to 45	All Mounts	109/106/106	106/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		45 to 90	All Mounts	112/106/106	109/102/102	106/99/99	104/97/97	100/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	
		0 to 7	All Mounts	107/99/99	105/96/96	103/94/94	101/94/94	100/94/94	99/94/94	98/94/94	97/94/94	96/94/94	95/94/94	94/94/94	93/94/94	92/94/94	91/94/94	90/94/94	89/94/94	
		7 to 27	All Mounts	109/94/81	109/91/78	109/88/76	108/86/74	105/83/72	104/80/68	96/78/67	94/75/65	92/72/62	90/69/57	88/66/54	86/63/51	84/60/47	82/57/44	80/54/40	77/72/72	

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 1 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	Wind Speed (mph)															
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
B	0 to 7	All Mounts	95/88/75	95/85/72	95/82/70	95/80/68	95/78/66	94/76/64	91/74/62	89/72/59	87/70/57	84/69/56	83/67/54	79/63/50	76/60/48	73/57/45			
				96/89/77	96/87/74	96/84/72	96/81/70	96/79/68	96/77/66	94/75/64	92/73/62	90/71/60	88/70/58	86/68/56	82/65/52	79/71/49	76/68/47		
				97/97/97	97/97/97	96/94/94	94/92/92	92/89/89	90/87/87	88/84/84	86/82/82	84/80/80	82/76/78	81/74/74	79/73/73	76/70/70	73/67/67		
				99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64		
				95/79/67	94/76/65	92/74/62	89/72/60	86/70/57	84/68/55	82/66/53	80/64/51	78/62/49	76/60/48	74/58/46	71/54/43	68/51/41	66/49/37		
C	7 to 27	All Mounts	96/89/69	95/78/67	93/75/65	92/73/62	89/71/59	87/69/57	85/68/55	83/66/53	81/64/51	79/62/49	77/60/48	74/56/45	71/53/42	68/50/40			
				96/80/69	95/78/65	93/75/63	92/73/60	89/71/57	87/69/55	85/68/53	83/66/51	81/64/49	79/62/47	77/60/46	74/56/43	71/53/40	68/50/37		
				98/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/76/76	78/72/72	76/70/70	74/68/68	72/66/66	69/63/63	66/60/60	63/55/55		
				93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/76/76	78/72/72	76/70/70	74/68/68	72/66/66	69/63/63	66/60/60	63/55/55		
				91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	69/63/63	66/60/60	63/55/55			
D	0 to 7	All Mounts	92/75/63	90/73/60	87/70/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	71/54/43	68/51/42	65/48/36	62/45/32			
				96/76/66	94/74/63	90/72/60	87/70/56	85/68/53	83/66/51	81/64/49	79/62/47	77/60/46	74/56/43	71/53/40	68/50/37	65/47/35			
				87/83/83	85/81/81	82/79/79	80/76/76	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
				85/80/78	83/78/76	81/78/76	79/73/73	77/73/73	75/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
				85/85/75	83/82/72	81/82/72	79/73/73	77/73/73	75/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
B	7 to 27	All Mounts	92/86/74	92/86/74	92/84/72	92/82/70	92/80/68	92/78/66	92/76/64	91/74/62	89/72/59	87/70/57	84/69/56	83/67/54	79/63/50	76/60/48	73/57/45		
				96/94/94	96/92/92	96/90/88	96/88/86	96/86/84	96/84/82	96/82/80	96/80/78	96/78/76	96/76/74	96/74/72	96/72/70	96/70/68	96/68/66		
				97/97/97	97/95/93	97/93/91	97/91/89	97/89/87	97/87/85	97/85/83	97/83/81	97/81/79	97/79/77	97/77/75	97/75/73	97/73/71	97/71/69		
				99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64		
				95/86/74	95/84/72	95/82/70	95/80/68	95/78/66	95/76/64	95/74/62	95/72/60	95/70/58	95/68/56	95/66/54	95/64/52	95/62/50	95/60/48		
C	7 to 27	All Mounts	95/86/74	95/83/83	95/81/81	95/79/79	95/77/77	95/75/75	95/73/73	95/71/71	95/69/69	95/67/67	95/65/65	95/63/63	95/61/61	95/59/59	95/57/57		
				87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54	61/51/51		
				92/88/75	92/86/73	92/84/71	92/82/69	92/80/67	92/78/65	92/76/63	92/74/61	92/72/59	92/70/57	92/68/55	92/66/53	92/64/51	92/62/49		
				96/94/94	96/92/92	96/90/88	96/88/86	96/86/84	96/84/82	96/82/80	96/80/78	96/78/76	96/76/74	96/74/72	96/72/70	96/70/68	96/68/66		
				97/97/97	97/95/93	97/93/91	97/91/89	97/89/87	97/87/85	97/85/83	97/83/81	97/81/79	97/79/77	97/77/75	97/75/73	97/73/71	97/71/69		
D	0 to 7	All Mounts	93/75/63	90/73/60	87/70/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	71/54/43	68/51/42	65/48/36	62/45/32			
				96/76/66	94/74/63	90/72/60	87/70/56	85/68/53	83/66/51	81/64/49	79/62/47	77/60/46	74/56/43	71/53/40	68/50/37	65/47/35			
				87/83/83	85/81/81	82/79/79	80/76/76	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
				85/80/78	83/78/76	81/78/76	79/73/73	77/73/73	75/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
				85/85/75	83/82/72	81/82/72	79/73/73	77/73/73	75/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
B	7 to 27	All Mounts	92/86/74	92/86/74	92/84/72	92/82/70	92/80/68	92/78/66	92/76/64	91/74/62	89/72/59	87/70/57	84/69/56	83/67/54	79/63/50	76/60/48	73/57/45		
				96/94/94	96/92/92	96/90/88	96/88/86	96/86/84	96/84/82	96/82/80	96/80/78	96/78/76	96/76/74	96/74/72	96/72/70	96/70/68	96/68/66		
				97/97/97	97/95/93	97/93/91	97/91/89	97/89/87	97/87/85	97/85/83	97/83/81	97/81/79	97/79/77	97/77/75	97/75/73	97/73/71	97/71/69		
				99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64		
				95/86/74	95/84/72	95/82/70	95/80/68	95/78/66	95/76/64	95/74/62	95/72/60	95/70/58	95/68/56	95/66/54	95/64/52	95/62/50	95/60/48		
C	7 to 27	All Mounts	95/86/74	95/83/83	95/81/81	95/79/79	95/77/77	95/75/75	95/73/73	95/71/71	95/69/69	95/67/67	95/65/65	95/63/63	95/61/61	95/59/59	95/57/57		
				87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54	61/51/51		
				92/88/75	92/86/73	92/84/71	92/82/69	92/80/67	92/78/65	92/76/63	92/74/61	92/72/59	92/70/57	92/68/55	92/66/53	92/64/51	92/62/49		
				96/94/94	96/92/92	96/90/88	96/88/86	96/86/84	96/84/82	96/82/80	96/80/78	96/78/76	96/76/74	96/74/72	96/72/70	96/70/68	96/68/66		
				97/97/97	97/95/93	97/93/91	97/91/89	97/89/87	97/87/85	97/85/83	97/83/81	97/81/79	97/79/77	97/77/75	97/75/73	97/73/71	97/71/69		
D	0 to 7	All Mounts	93/75/63	90/73/60	87/70/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	71/54/43	68/51/42	65/48/36	62/45/32			
				96/76/66	94/74/63	90/72/60	87/70/56	85/68/53	83/66/51	81/64/49	79/62/47	77/60/46	74/56/43	71/53/40	68/50/37	65/47/35			
				87/83/83	85/81/81	82/79/79	80/76/76	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
				85/80/78	83/78/76	81/78/76	79/73/73	77/73/73	75/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
				85/85/75	83/82/72	81/82/72	79/73/73	77/73/73	75/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54			
B	7 to 27	All Mounts	92/86/74	92/86/74	92/84/72	92/82/70	92/80/68	92/78/66	92/76/64	91/74/62	89/72/59	87/70/57	84/69/56	83/67/54	79/63/50	76/60/48	73/57/45		
				96/94/94	96/92/92	96/90/88	96/88/86	96/86/84	96/84/82	96/82/80	96/80/78	96/78/76	96/76/74	96/74/72	96/72/70	96/70/68	96/68/66		
				97/97/97	97/95/93	97/93/91	97/91/89	97/89/87	97/87/85	97/85/83	97/83/81	97/81/79	97/79/77	97/77/75	97/75/73	97/73/71	97/71/69		
				99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64		
				95/86/74	95/84/72	95/82/70	95/80/68	95/78/66	95/76/64	95/74/62	95/72/60	95/70/58	95/68/56	95/66/54	95/64/52	95/62/50	95/60/48		
C	7 to 27	All Mounts	95/86/74	95/83/83	95/81/81	95/79/79	95/77/77	95/75/75	95/73/73	95/71/71	95/69/69	95/67/67	95/65/65	95/63/63	95/61/61	95/59/59	95/57/57		
				87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	74/69/69	73/67/67	71/65/65	69/63/63	67/61/61	65/57/57	63/54/54	61/51/51		
				92/88/75	92/86/73	92/84/71	92/82/69	92/80/67	92/78/65	92/76/63	92/74/61	92/72/59	92/70/57	92/68/55	92/66/53	92/64/51	92/62/49		
				96/94/94	96/92/92	96/90/88	96/88/86	96/86/84	96/84/82	96/82/80	96/80/78	96/78/76	96/76/74	96/74/72	96/72/70	96/70/68	96/68/66		
				97/97/97	97/95/93	97/93/91	97/91/89	97/89/87	97/87/85	97/85/83	97/83/81	97/81/79	97/79/77	97/77/75	97/75/73	97/73/71	97/71/69		
D	0 to 7	All Mounts	93/75/63	9															

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 1 3-Rail -- 60-Cell																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 72	75 / 75 / 70	75 / 75 / 68	75 / 75 / 66	75 / 75 / 64	75 / 74 / 62	75 / 72 / 59	75 / 70 / 57	75 / 69 / 56	75 / 67 / 54	75 / 63 / 50	75 / 60 / 48	73 / 57 / 45		
		7 to 27	All Mounts	78 / 78 / 77	78 / 78 / 74	78 / 78 / 72	78 / 78 / 70	78 / 78 / 68	78 / 77 / 66	78 / 75 / 64	78 / 73 / 62	78 / 71 / 60	78 / 68 / 58	78 / 67 / 57	78 / 74 / 74	76 / 71 / 69	73 / 68 / 68		
		27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	86 / 86 / 86	85 / 84 / 84	84 / 83 / 82	83 / 80 / 80	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67		
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 74 / 74	72 / 66 / 66		
		0 to 7	All Mounts	75 / 75 / 67	75 / 75 / 65	75 / 75 / 62	75 / 75 / 60	75 / 75 / 57	75 / 75 / 55	75 / 75 / 53	75 / 75 / 51	75 / 75 / 49	75 / 75 / 47	75 / 75 / 46	75 / 75 / 44	75 / 75 / 42	75 / 75 / 40		
	C	7 to 27	All Mounts	78 / 78 / 69	78 / 78 / 67	78 / 78 / 65	78 / 78 / 63	78 / 78 / 62	78 / 78 / 61	78 / 78 / 59	78 / 78 / 57	78 / 78 / 55	78 / 78 / 53	78 / 78 / 51	78 / 78 / 50	78 / 78 / 48	78 / 78 / 46	78 / 78 / 44	
		27 to 45	All Mounts	88 / 88 / 88	87 / 87 / 87	87 / 87 / 86	87 / 87 / 85	87 / 87 / 84	87 / 87 / 83	87 / 87 / 82	87 / 87 / 81	87 / 87 / 80	87 / 87 / 79	87 / 87 / 78	87 / 87 / 77	87 / 87 / 76	87 / 87 / 75	87 / 87 / 74	
		45 to 90	All Mounts	91 / 85 / 85	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 74 / 74	72 / 72 / 72	70 / 70 / 70	68 / 68 / 68	66 / 66 / 66	64 / 64 / 64	62 / 62 / 62	
		0 to 7	All Mounts	75 / 75 / 63	75 / 75 / 61	75 / 75 / 58	75 / 75 / 56	75 / 75 / 53	75 / 75 / 51	75 / 75 / 49	75 / 75 / 47	75 / 75 / 45	75 / 75 / 43	75 / 75 / 41	75 / 75 / 39	75 / 75 / 37	75 / 75 / 35	75 / 75 / 33	
		7 to 27	All Mounts	80 / 76 / 66	80 / 76 / 64	80 / 76 / 62	80 / 76 / 60	80 / 76 / 58	79 / 76 / 55	79 / 76 / 53	79 / 76 / 51	79 / 76 / 49	79 / 76 / 47	79 / 76 / 45	79 / 76 / 43	79 / 76 / 41	79 / 76 / 39	79 / 76 / 37	
35 psf	B	27 to 45	All Mounts	87 / 81 / 81	85 / 79 / 79	85 / 79 / 77	85 / 79 / 75	85 / 79 / 73	85 / 79 / 71	85 / 79 / 69	85 / 79 / 67	85 / 79 / 65	85 / 79 / 63	85 / 79 / 61	85 / 79 / 59	85 / 79 / 57	85 / 79 / 55		
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 74 / 74	72 / 66 / 66		
		0 to 7	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	
		7 to 27	All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	
		27 to 45	All Mounts	89 / 89 / 89	89 / 89 / 89	89 / 89 / 89	89 / 89 / 88	89 / 89 / 87	89 / 89 / 86	89 / 89 / 85	89 / 89 / 84	89 / 89 / 83	89 / 89 / 82	89 / 89 / 81	89 / 89 / 80	89 / 89 / 79	89 / 89 / 78	89 / 89 / 77	
	C	0 to 7	All Mounts	72 / 72 / 65	72 / 72 / 63	72 / 72 / 62	72 / 72 / 60	72 / 72 / 57	72 / 72 / 55	72 / 72 / 53	72 / 72 / 51	72 / 72 / 49	72 / 72 / 47	72 / 72 / 46	72 / 72 / 44	72 / 72 / 42	72 / 72 / 40	72 / 72 / 38	
		7 to 27	All Mounts	76 / 76 / 69	76 / 76 / 67	76 / 76 / 65	76 / 76 / 63	76 / 76 / 61	76 / 76 / 59	76 / 76 / 57	76 / 76 / 55	76 / 76 / 53	76 / 76 / 51	76 / 76 / 50	76 / 76 / 48	76 / 76 / 46	76 / 76 / 44	76 / 76 / 42	
		27 to 45	All Mounts	87 / 87 / 87	85 / 85 / 85	85 / 85 / 84	85 / 85 / 83	85 / 85 / 82	85 / 85 / 81	85 / 85 / 80	85 / 85 / 79	85 / 85 / 78	85 / 85 / 77	85 / 85 / 76	85 / 85 / 75	85 / 85 / 74	85 / 85 / 73	85 / 85 / 72	
		45 to 90	All Mounts	91 / 85 / 85	89 / 83 / 82	89 / 82 / 82	89 / 82 / 80	89 / 82 / 78	89 / 82 / 76	89 / 82 / 74	89 / 82 / 72	89 / 82 / 70	89 / 82 / 68	89 / 82 / 67	89 / 82 / 65	89 / 82 / 63	89 / 82 / 61	89 / 82 / 59	
		0 to 7	All Mounts	74 / 74 / 63	74 / 73 / 60	74 / 73 / 58	74 / 73 / 56	74 / 73 / 54	74 / 73 / 52	74 / 73 / 50	74 / 73 / 48	74 / 73 / 46	74 / 73 / 44	74 / 73 / 43	74 / 73 / 41	74 / 73 / 39	74 / 73 / 37	74 / 73 / 35	
40 psf	D	7 to 27	All Mounts	78 / 76 / 66	78 / 74 / 63	78 / 72 / 60	78 / 70 / 58	78 / 68 / 55	78 / 66 / 53	78 / 64 / 51	78 / 62 / 49	78 / 60 / 47	78 / 58 / 45	78 / 56 / 44	78 / 54 / 42	78 / 52 / 40	78 / 50 / 38		
		27 to 45	All Mounts	86 / 86 / 86	84 / 83 / 83	83 / 81 / 81	81 / 79 / 79	80 / 76 / 76	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	67 / 62 / 62	64 / 59 / 59	61 / 55 / 55	58 / 51 / 51	
		45 to 90	All Mounts	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	67 / 62 / 62	64 / 59 / 59	61 / 55 / 55	58 / 51 / 51	55 / 48 / 48	
		0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 68	70 / 70 / 66	70 / 70 / 64	70 / 70 / 62	70 / 70 / 59	70 / 70 / 57	70 / 69 / 56	70 / 67 / 54	70 / 63 / 50	70 / 60 / 48	70 / 57 / 45	70 / 54 / 42	
		7 to 27	All Mounts	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 72	74 / 74 / 70	74 / 74 / 68	74 / 74 / 66	74 / 74 / 64	74 / 74 / 62	74 / 74 / 60	74 / 74 / 58	74 / 74 / 56	74 / 74 / 54	74 / 74 / 52	74 / 74 / 50	
	B	27 to 45	All Mounts	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 86	88 / 88 / 84	88 / 88 / 82	88 / 88 / 80	88 / 88 / 78	88 / 88 / 76	88 / 88 / 74	88 / 88 / 73	88 / 88 / 71	88 / 88 / 69	88 / 88 / 68		
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 74 / 74	72 / 66 / 66		
		0 to 7	All Mounts	70 / 70 / 67	70 / 70 / 65	70 / 70 / 62	70 / 70 / 60	70 / 70 / 58	70 / 70 / 56	70 / 70 / 54	70 / 70 / 52	70 / 70 / 50	70 / 68 / 48	70 / 66 / 46	70 / 64 / 44	70 / 62 / 42	70 / 60 / 40	70 / 58 / 38	
		7 to 27	All Mounts	74 / 74 / 69	74 / 74 / 67	74 / 74 / 65	74 / 74 / 62	74 / 74 / 60	74 / 74 / 58	74 / 74 / 56	74 / 74 / 54	74 / 74 / 52	74 / 74 / 50	74 / 74 / 48	74 / 74 / 46	74 / 74 / 44	74 / 74 / 42	74 / 74 / 40	
		27 to 45	All Mounts	91 / 85 / 85	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 74 / 74	72 / 72 / 72	70 / 70 / 70	68 / 68 / 68	66 / 66 / 66	64 / 64 / 64	62 / 62 / 62	
45 psf	C	0 to 7	All Mounts	72 / 72 / 63	72 / 72 / 61	72 / 72 / 60	72 / 72 / 58	72 / 72 / 55	72 / 72 / 53	72 / 72 / 51	72 / 72 / 49	72 / 72 / 47	72 / 72 / 46	72 / 72 / 44	72 / 72 / 42	72 / 72 / 40	72 / 72 / 38		
		7 to 27	All Mounts	76 / 76 / 66	76 / 76 / 63	76 / 76 / 60	76 / 76 / 58	76 / 76 / 55	76 / 76 / 53	76 / 76 / 51	76 / 76 / 49	76 / 76 / 47	76 / 76 / 45	76 / 76 / 43	76 / 76 / 41	76 / 76 / 39	76 / 76 / 37	76 / 76 / 35	
		27 to 45	All Mounts	84 / 84 / 84	83 / 83 / 83	82 / 81 / 81	80 / 79 / 79	79 / 76 / 76	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	67 / 62 / 62	64 / 59 / 59	61 / 54 / 54	58 / 51 / 51	
		45 to 90	All Mounts	91 / 81 / 81	87 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	67 / 62 / 62	64 / 59 / 59	61 / 54 / 54	58 / 51 / 51	55 / 48 / 48	
		0 to 7	All Mounts	70 / 70 / 67	70 / 70 / 65	70 / 70 / 62	70 / 70 / 60	70 / 70 / 58	70 / 70 / 56	70 / 70 / 54	70 / 70 / 52	70 / 70 / 50	70 / 68 / 48	70 / 66 / 46	70 / 64 / 44	70 / 62 / 42	70 / 60 / 40	70 / 58 / 38	
	D	7 to 27	All Mounts	74 / 74 / 67	74 / 74 / 64	74 / 74 / 61	74 / 74 / 58	74 / 74 / 55	74 / 74 / 53	74 / 74 / 51	74 / 74 / 49	74 / 74 / 47	74 / 74 / 45	74 / 74 / 43	74 / 74 / 41	74 / 74 / 39	74 / 74 / 37	74 / 74 / 35	
		27 to 45	All Mounts	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74	73 / 73 / 73	72 / 72 / 72	71 / 71 / 71	70 / 70 / 70	69 / 69 / 69	
		45 to 90	All Mounts	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	67 / 62 / 62	64 / 59 / 59	61 / 54 / 54	58 / 51 / 51	55 / 48 / 48	
		0 to 7	All Mounts	70 / 70 / 67	70 / 70 / 65	70 / 70 / 62	70 / 70 / 60	70 / 70 / 58	70 / 70 / 56	70 / 70 / 54	70 / 70 / 52	70 / 70 / 50	70 / 68 / 48	70 / 66 / 46	70 / 64 / 44	70 / 62 / 42	70 / 60 / 40	70 / 58 / 38	
		7 to 27	All Mounts	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 72	74 / 74 / 70	74 / 74 / 68	74 / 74 / 66	74 / 74 / 64	74 / 74 / 62	74 / 74 / 60	74 / 74 / 58	74 / 74 / 56	74 / 74 / 54	74 / 74 / 52	74 / 74 / 50	
50 psf	B	27 to 45	All Mounts	84 / 84 / 84	84 / 84 / 84	84 / 84 / 84	84 / 84 / 82	84 / 84 / 80	84 / 84 / 78	84 / 84 / 76	84 / 84 / 74	84 / 84 / 72	84 / 84 / 70	84 / 84 / 68	84 / 84 / 66	84 / 84 / 64	84 / 84 / 62		
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 74 / 74	72 / 66 / 66		
		0 to 7	All Mounts	70 / 70 / 69	70 / 70 / 67	70 / 70 / 65	70 / 70 / 62	70 / 70 / 60	70 / 70 / 58	70 / 70 / 56	70 / 70 / 54	70 / 70 / 52	70 / 70 / 50	70 / 68 / 48	70 / 66 / 46	70 / 64 / 44	70 / 62 / 42		

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 2 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed ->		110 mph		115 mph		120 mph		125 mph		130 mph		135 mph		140 mph		145 mph		150 mph		155 mph		160 mph		170 mph		180 mph		190 mph		
			Roof Zone ->	Roof Zone ->	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3	1/2/3		
0 psf	B	0 to 7	All Mounts	93/85/73	93/85/73	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72	93/84/72		
		7 to 27	All Mounts	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	94/87/75	
		27 to 45	All Mounts	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	95/95/95	
		45 to 90	All Mounts	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	96/92/92	
		0 to 7	All Mounts	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	93/87/75	
	C	7 to 27	All Mounts	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	94/88/88	
		27 to 45	All Mounts	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	
		45 to 90	All Mounts	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	
		0 to 7	All Mounts	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	94/89/89	
		7 to 27	All Mounts	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	95/97/97	
5 psf	B	0 to 7	All Mounts	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76	93/88/76		
		7 to 27	All Mounts	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	94/90/80	
		27 to 45	All Mounts	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	95/98/98	
		45 to 90	All Mounts	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	
		0 to 7	All Mounts	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	94/91/81	
	C	7 to 27	All Mounts	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99
		27 to 45	All Mounts	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	96/95/95	
		45 to 90	All Mounts	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	97/96/96	
		0 to 7	All Mounts	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	95/92/92	
		7 to 27	All Mounts	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	96/93/93	
10 psf	B	0 to 7	All Mounts	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79	93/89/79		
		7 to 27	All Mounts	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	94/92/82	
		27 to 45	All Mounts	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99	95/99/99
		45 to 90	All Mounts	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	
		0 to 7	All Mounts	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	94/93/83	
	C	7 to 27	All Mounts	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94	96/94/94													

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)		SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 2 3-Rail -- 60-Ceill																			
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph				
30 psf	B	0 to 7	All Mounts	73 / 73 / 73	73 / 73 / 73	73 / 73 / 64	73 / 73 / 59	73 / 73 / 54	73 / 73 / 50	73 / 72 / 46	73 / 69 / 43	73 / 64 / 40	73 / 60 / 38	73 / 56 / 35	73 / 49 / 31	73 / 44 / 27	73 / 39 / 25				
		7 to 27	All Mounts	76 / 76 / 75	76 / 76 / 72	76 / 76 / 69	76 / 76 / 63	76 / 75 / 58	76 / 73 / 54	76 / 71 / 46	76 / 67 / 43	76 / 63 / 40	76 / 59 / 38	75 / 52 / 33	74 / 46 / 30	73 / 41 / 26	73 / 36 / 22	71 / 31 / 18			
		27 to 45	All Mounts	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	82 / 80 / 80	81 / 78 / 78	79 / 77 / 77	78 / 75 / 75	76 / 72 / 72	74 / 66 / 66	73 / 61 / 59	71 / 55 / 55	64 / 50 / 50	53 / 43 / 43		
		45 to 90	All Mounts	96 / 92 / 92	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 63 / 62	71 / 55 / 55	64 / 50 / 50	53 / 43 / 43	42 / 32 / 32		
		0 to 7	All Mounts	73 / 73 / 57	73 / 73 / 51	73 / 73 / 47	73 / 69 / 43	73 / 58 / 37	73 / 54 / 34	73 / 50 / 32	73 / 47 / 30	73 / 44 / 28	72 / 41 / 26	72 / 38 / 25	71 / 34 / 22	70 / 30 / 20	53 / 29 / 18				
	C	7 to 27	All Mounts	76 / 76 / 61	76 / 76 / 55	76 / 73 / 51	76 / 71 / 47	76 / 67 / 43	76 / 63 / 40	76 / 57 / 37	75 / 53 / 34	74 / 50 / 32	74 / 46 / 30	73 / 43 / 28	72 / 38 / 25	71 / 34 / 22	66 / 34 / 22	59 / 30 / 20			
		27 to 45	All Mounts	86 / 86 / 86	85 / 85 / 85	83 / 83 / 83	83 / 80 / 80	81 / 78 / 78	78 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43		
		45 to 90	All Mounts	89 / 83 / 83	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43	42 / 32 / 32		
		0 to 7	All Mounts	73 / 73 / 49	73 / 73 / 43	73 / 73 / 37	73 / 65 / 41	73 / 55 / 34	73 / 47 / 30	73 / 44 / 27	72 / 41 / 26	70 / 38 / 24	66 / 35 / 22	65 / 31 / 20	64 / 33 / 21	63 / 29 / 18	57 / 28 / 18	51 / 26 / 17			
		7 to 27	All Mounts	78 / 74 / 53	78 / 72 / 48	78 / 68 / 44	78 / 63 / 40	77 / 58 / 37	77 / 53 / 34	76 / 50 / 32	75 / 43 / 28	74 / 40 / 32	73 / 37 / 24	72 / 34 / 22	71 / 31 / 20	70 / 28 / 18	65 / 26 / 16				
35 psf	B	0 to 7	All Mounts	85 / 84 / 84	83 / 81 / 81	82 / 81 / 81	81 / 79 / 79	80 / 78 / 78	79 / 77 / 77	78 / 74 / 74	77 / 73 / 73	76 / 69 / 69	75 / 65 / 55	74 / 61 / 51	73 / 60 / 60	72 / 60 / 60	71 / 59 / 59	70 / 58 / 58			
		7 to 27	All Mounts	90 / 80 / 80	88 / 78 / 78	86 / 78 / 78	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43		
		27 to 45	All Mounts	96 / 92 / 92	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 62 / 62	71 / 55 / 55	64 / 50 / 50				
		45 to 90	All Mounts	89 / 83 / 83	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43	42 / 32 / 32		
		0 to 7	All Mounts	72 / 72 / 49	72 / 72 / 43	72 / 72 / 37	72 / 65 / 41	72 / 55 / 34	72 / 47 / 30	72 / 44 / 27	72 / 41 / 26	70 / 38 / 24	66 / 35 / 22	65 / 31 / 20	64 / 33 / 21	63 / 29 / 18	57 / 28 / 18	51 / 26 / 17			
	C	7 to 27	All Mounts	76 / 74 / 53	76 / 72 / 48	76 / 68 / 44	76 / 63 / 40	75 / 58 / 37	75 / 53 / 34	74 / 50 / 32	73 / 46 / 30	72 / 42 / 26	71 / 38 / 24	69 / 57 / 57	68 / 54 / 44	67 / 51 / 47	66 / 48 / 36	61 / 37 / 37			
		27 to 45	All Mounts	84 / 84 / 84	82 / 81 / 81	81 / 79 / 79	79 / 77 / 77	78 / 74 / 74	77 / 73 / 73	76 / 69 / 69	75 / 65 / 55	74 / 61 / 51	73 / 60 / 60	72 / 57 / 52	71 / 53 / 53	70 / 49 / 49	68 / 48 / 36	64 / 37 / 37			
		45 to 90	All Mounts	88 / 84 / 84	86 / 82 / 82	84 / 80 / 80	82 / 78 / 78	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 70 / 70	72 / 68 / 68	70 / 64 / 64	68 / 60 / 60	66 / 56 / 56	64 / 46 / 46	62 / 36 / 36	60 / 26 / 26			
		0 to 7	All Mounts	70 / 70 / 61	70 / 70 / 55	70 / 70 / 51	70 / 70 / 47	70 / 67 / 43	70 / 63 / 40	70 / 62 / 40	70 / 57 / 37	70 / 53 / 34	68 / 50 / 32	67 / 43 / 28	66 / 38 / 25	64 / 34 / 22	59 / 30 / 20				
		7 to 27	All Mounts	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	78 / 78 / 78	76 / 76 / 76	74 / 74 / 74	72 / 72 / 72	70 / 70 / 70	68 / 68 / 68	66 / 66 / 66	64 / 64 / 64	62 / 62 / 62	60 / 60 / 60	58 / 58 / 58	56 / 56 / 56	54 / 54 / 54		
40 psf	B	0 to 7	All Mounts	89 / 83 / 83	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43			
		7 to 27	All Mounts	90 / 80 / 80	88 / 78 / 78	86 / 78 / 78	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43		
		27 to 45	All Mounts	96 / 92 / 92	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 62 / 62	71 / 55 / 55	64 / 50 / 50				
		45 to 90	All Mounts	89 / 83 / 83	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43	42 / 32 / 32		
		0 to 7	All Mounts	74 / 74 / 53	74 / 72 / 48	74 / 68 / 44	74 / 63 / 40	73 / 58 / 37	73 / 53 / 34	72 / 50 / 32	72 / 46 / 30	72 / 43 / 28	72 / 40 / 26	70 / 38 / 24	66 / 35 / 22	65 / 31 / 20	64 / 33 / 21	63 / 29 / 18	61 / 26 / 16		
	C	7 to 27	All Mounts	82 / 82 / 82	81 / 81 / 81	80 / 79 / 79	78 / 77 / 77	77 / 74 / 74	76 / 69 / 69	74 / 64 / 64	73 / 63 / 63	72 / 61 / 61	71 / 59 / 59	70 / 57 / 57	69 / 55 / 55	68 / 53 / 53	67 / 51 / 51	66 / 49 / 49	65 / 47 / 47		
		27 to 45	All Mounts	85 / 79 / 79	83 / 77 / 77	81 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 55 / 55	66 / 52 / 52	62 / 48 / 48	58 / 45 / 45	51 / 40 / 40	46 / 36 / 36	41 / 32 / 32				
		45 to 90	All Mounts	88 / 84 / 84	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43	42 / 32 / 32		
		0 to 7	All Mounts	55 / 65 / 65	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64	65 / 65 / 64		
		7 to 27	All Mounts	70 / 70 / 70	70 / 70 / 69	70 / 70 / 69	70 / 70 / 63	70 / 70 / 58	70 / 70 / 54	70 / 70 / 50	70 / 70 / 46	70 / 67 / 43	70 / 63 / 40	70 / 59 / 38	69 / 52 / 33	68 / 46 / 30	67 / 41 / 26				
45 psf	B	0 to 7	All Mounts	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59			
		7 to 27	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68		
		27 to 45	All Mounts	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	78 / 78 / 78	76 / 76 / 76	74 / 74 / 74	72 / 72 / 72	70 / 70 / 70	68 / 68 / 68	66 / 66 / 66	64 / 64 / 64	62 / 62 / 62	60 / 60 / 60	58 / 58 / 58	56 / 56 / 56	54 / 54 / 54		
		45 to 90	All Mounts	89 / 83 / 83	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 56 / 56	69 / 57 / 57	67 / 52 / 52	66 / 51 / 48	59 / 48 / 48	52 / 43 / 43	42 / 32 / 32		
		0 to 7	All Mounts	68 / 68 / 49	68 / 68 / 45	68 / 68 / 41	68 / 59 / 37	68 / 51 / 32	68 / 47 / 30	68 / 43 / 28	68 / 38 / 24	68 / 34 / 22	68 / 30 / 20	67 / 26 / 16	66 / 22 / 12	65 / 18 / 8	64 / 14 / 4	63 / 10 / 0	62 / 6 / 0		
	C	7 to 27	All Mounts	72 / 72 / 53	72 / 72 / 48	72 / 68 / 44	72 / 63 / 40	72 / 58 / 37	72 / 53 / 34	72 / 48 / 30	72 / 43 / 26	72 / 38 / 22	72 / 33 / 18	72 / 28 / 14	72 / 23 / 10	72 / 18 / 6	72 / 13 / 2	72 / 8 / 0	72 / 3 / 0		
		27 to 45	All Mounts	81 / 81 / 81	80 / 80 / 80	78 / 78 / 78	76 / 76 / 76	74 / 74 / 74	72 / 72 / 72	70 / 70 / 70	68 / 68 / 68	66 / 66 / 66	64 / 64 / 64	62 / 62 / 62	60 / 60 / 60	58 / 58 / 58	56 / 56 / 56	54 / 54 / 54	52 / 52 / 52		
		45 to 90	All Mounts	85 / 79 / 79	83 / 77 / 77	81 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 55 / 55	66 / 52 / 52	62 / 48 / 48	58 / 45 / 45	51 / 40 / 40	46 / 36 / 36	41 / 32 / 32				
		0 to 7	All Mounts	85 / 79 / 79	83 / 77 / 77	81 / 74 / 74	78 / 72 / 72	76 / 69 / 69	74 / 64 / 64	73 / 60 / 60	71 / 55 / 55	66 / 52 / 52	62 / 48 / 48	58 / 45 / 45	51 / 40 / 40	46 / 36 / 36	41 / 32 / 32				
		7 to 27	All Mounts	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59	61 / 61 / 59		
50 psf	B	0 to 7	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68										

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 3 3-Rail -- 60-Cell

SnapNTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 3-Rail -- 60-Cell																	
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
70 psf	B	0 to 7	All Mounts	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/52	54/54/49	54/54/45	54/54/42	54/54/39	54/54/37	54/54/32	54/46/29	54/41/26
		7 to 27	All Mounts	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/57	61/61/52	61/61/49	61/61/45	61/61/42	61/61/40	61/61/35	61/48/31	60/43/28
		27 to 45	All Mounts	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	70/69/69	68/62/62
		45 to 90	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/65/65	73/58/58	67/52/52
		0 to 7	All Mounts	54/54/54	54/54/49	54/54/45	54/54/45	54/54/42	54/54/39	54/54/36	54/53/33	54/53/33	54/46/29	54/43/27	54/38/24	54/34/21	54/30/19
	C	7 to 27	All Mounts	61/61/61	61/61/58	61/61/53	61/61/49	61/61/45	61/61/42	61/60/39	61/56/36	61/52/33	61/46/29	60/45/27	59/40/26	58/36/23	57/32/20
		27 to 45	All Mounts	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	71/71/71	69/57/57
		45 to 90	All Mounts	91/85/85	86/80/80	82/76/76	80/74/74	78/72/72	76/67/67	75/63/63	73/59/59	70/55/55	62/48/48	55/43/43	49/38/38		
		0 to 7	All Mounts	58/58/51	58/58/47	58/58/43	58/58/39	58/58/36	58/53/33	58/49/31	58/46/29	58/43/27	58/40/25	58/37/23	58/33/21	54/29/18	48/26/16
		7 to 27	All Mounts	64/64/55	64/64/50	64/64/46	64/64/42	64/61/39	63/58/33	63/45/29	62/39/25	62/35/22	62/32/20	62/29/18	62/26/16	59/31/20	53/28/18
80 psf	B	27 to 45	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/67/67	74/63/63	73/58/58	70/54/54	65/51/51	61/48/48	54/42/42	48/37/37	43/33/33
		45 to 90	All Mounts	97/94/94	95/91/91	92/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/65/65	73/58/58	67/52/52
		0 to 7	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/46/29	51/41/26
		7 to 27	All Mounts	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/57/57	57/54/35	57/43/28
		27 to 45	All Mounts	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	67/62/62
	C	0 to 7	All Mounts	51/51/51	51/51/45	51/51/42	51/51/45	51/51/42	51/51/39	51/51/36	51/51/33	51/51/33	51/49/31	51/46/29	51/43/27	51/34/21	51/30/19
		7 to 27	All Mounts	57/57/57	57/57/53	57/57/53	57/57/49	57/57/45	57/57/42	57/57/39	57/56/36	57/52/33	57/49/31	57/45/29	57/40/26	56/36/23	55/32/20
		27 to 45	All Mounts	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68
		45 to 90	All Mounts	91/85/85	86/80/80	82/76/76	80/74/74	78/72/72	76/67/67	75/63/63	73/59/59	70/55/55	62/48/48	55/43/43	49/38/38		
		0 to 7	All Mounts	54/54/51	54/54/43	54/54/39	54/54/39	54/54/36	54/53/33	54/49/31	54/46/29	54/43/27	54/40/25	54/37/23	54/33/21	54/29/18	48/26/16
90 psf	D	7 to 27	All Mounts	60/60/55	60/60/46	60/60/42	60/60/42	60/60/39	60/56/36	60/52/33	60/48/31	60/45/29	59/42/27	58/35/22	57/31/20	53/28/18	
		27 to 45	All Mounts	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	72/72/72	71/71/71	69/57/57
		45 to 90	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/67/67	74/63/63	73/58/58	70/54/54	65/51/51	61/48/48	54/42/42	48/37/37	43/33/33
		0 to 7	All Mounts	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48
		7 to 27	All Mounts	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/52	54/54/49	54/54/45	54/54/42	54/48/31	54/43/28
	C	27 to 45	All Mounts	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/62/62
		45 to 90	All Mounts	97/94/94	96/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/65/65	73/58/58	67/52/52
		0 to 7	All Mounts	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48
		7 to 27	All Mounts	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54
		27 to 45	All Mounts	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64	64/64/64
100 psf	D	45 to 90	All Mounts	91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/67/67	75/63/63	73/59/59	70/55/55	62/48/48	55/43/43	49/38/38
		0 to 7	All Mounts	51/51/51	51/51/47	51/51/43	51/51/43	51/51/39	51/51/36	51/51/33	51/49/31	51/46/29	51/43/27	51/40/25	51/33/21	51/29/18	48/26/16
		7 to 27	All Mounts	57/57/55	57/57/50	57/57/46	57/57/46	57/57/42	57/52/33	57/48/31	57/45/29	57/42/27	56/39/25	56/35/22	55/31/20	53/28/18	
		27 to 45	All Mounts	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68	68/68/68
		45 to 90	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/67/67	74/63/63	73/58/58	70/54/54	65/51/51	61/48/48	54/42/42	48/37/37	43/33/33
	B	0 to 7	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/44/36
		7 to 27	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/46/31	51/43/28
		27 to 45	All Mounts	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61
		45 to 90	All Mounts	96/94/94	95/91/91	92/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/65/65	73/58/58	67/52/52
		0 to 7	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46
110 psf	C	7 to 27	All Mounts	51/51/51	51/51/51	51/51/51	51/51/49	51/51/45	51/51/42	51/51/39	51/51/36	51/51/33	51/49/31	51/45/29	51/40/26	51/36/23	51/32/20
		27 to 45	All Mounts	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61
		45 to 90	All Mounts	91/85/85	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/67/67	75/63/63	73/59/59	70/55/55	62/48/48	55/43/43	49/38/38
		0 to 7	All Mounts	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48	48/48/48
		7 to 27	All Mounts	54/54/54	54/54/50	54/54/46	54/54/46	54/54/42	54/54/39	54/54/36	54/54/33	54/54/29	54/39/25	54/35/22	53/31/20	52/28/18	
	D	27 to 45	All Mounts	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65	65/65/65
		45 to 90	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/67/67	74/63/63	73/58/58	70/54/54	65/51/51	61/48/48	54/42/42	48/37/37	43/33/33
		0 to 7	All Mounts	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44
		7 to 27	All Mounts	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49	49/49/49
		27 to 45	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59
120 psf	B	45 to 90	All Mounts	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92	92/92/92

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 4 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->																
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
0 psf	B	0 to 7	All Mounts	94/86/73	94/83/71	94/81/69	94/79/67	94/76/65	92/74/63	91/72/60	87/71/58	85/69/56	83/67/54	81/66/51	78/62/45	75/58/40	72/55/35		
		7 to 27	All Mounts	95/88/75	95/85/73	95/82/71	95/80/69	95/78/67	95/76/65	93/74/62	90/72/60	88/70/58	86/68/56	84/67/54	81/64/48	77/60/43	74/57/38		
		27 to 45	All Mounts	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96		
		45 to 90	All Mounts	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93		
		0 to 7	All Mounts	94/77/66	93/75/63	90/73/61	87/71/58	85/69/56	83/67/53	80/65/49	78/63/46	77/61/43	75/59/40	73/57/37	70/52/33	67/46/29	64/41/26		
	C	7 to 27	All Mounts	95/79/68	95/76/66	93/74/63	91/72/60	88/70/58	86/68/56	83/67/53	81/64/49	79/62/46	77/60/43	76/58/40	73/55/36	70/49/32	67/44/28		
		27 to 45	All Mounts	97/93/89	89/86/86	87/84/84	85/81/81	83/79/79	81/77/77	79/75/75	77/73/73	76/71/71	74/70/70	73/68/68	70/65/65	67/62/62	63/58/58		
		45 to 90	All Mounts	90/84/84	87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	61/54/54		
		0 to 7	All Mounts	91/74/62	88/71/59	86/69/56	83/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	71/54/35	70/51/32	69/48/31	66/42/27	63/38/24		
		7 to 27	All Mounts	94/75/64	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
5 psf	D	27 to 45	All Mounts	88/85/85	85/82/82	83/80/80	81/79/77	79/75/75	77/73/73	76/71/71	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	63/56/56	60/51/51		
		45 to 90	All Mounts	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73	91/86/73		
		0 to 7	All Mounts	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96	95/96/96		
		7 to 27	All Mounts	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96		
		27 to 45	All Mounts	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93		
	B	0 to 7	All Mounts	91/77/66	91/75/64	89/73/61	87/71/59	85/69/56	83/67/53	80/65/49	78/63/46	77/61/43	75/59/40	73/57/37	70/52/33	67/46/29	64/41/26		
		7 to 27	All Mounts	94/76/65	91/74/62	89/72/60	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
		27 to 45	All Mounts	88/85/85	85/82/82	83/80/80	81/79/77	79/75/75	77/73/73	76/71/71	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	63/56/56	60/51/51		
		45 to 90	All Mounts	90/84/84	87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	61/54/54		
		0 to 7	All Mounts	94/74/62	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
10 psf	C	27 to 45	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	62/57/57	59/54/54	56/46/46		
		45 to 90	All Mounts	90/84/84	87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	61/54/54		
		0 to 7	All Mounts	94/74/62	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
		7 to 27	All Mounts	94/75/64	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
		27 to 45	All Mounts	88/85/85	85/82/82	83/80/80	81/79/77	79/75/75	77/73/73	76/71/71	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	63/56/56	60/51/51		
	D	0 to 7	All Mounts	94/74/62	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
		7 to 27	All Mounts	94/75/64	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
		27 to 45	All Mounts	88/85/85	85/82/82	83/80/80	81/79/77	79/75/75	77/73/73	76/71/71	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	63/56/56	60/51/51		
		45 to 90	All Mounts	90/84/84	87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	61/54/54		
		0 to 7	All Mounts	94/74/62	91/73/61	89/71/59	86/69/56	84/67/54	81/65/50	79/63/46	77/61/43	75/58/40	73/56/37	72/54/35	70/51/32	69/48/31	66/42/27		
15 psf	B	27 to 45	All Mounts	83/83/75	83/83/75	83/82/71	83/80/69	83/78/67	83/76/65	83/74/63	83/72/60	83/70/58	83/68/56	83/66/54	83/64/52	83/62/50	83/60/48		
		45 to 90	All Mounts	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93		
		0 to 7	All Mounts	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96		
		7 to 27	All Mounts	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93	97/93/93		
		27 to 45	All Mounts	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98	98/98/98		
	C	0 to 7	All Mounts	91/77/66	91/75/64	89/73/61	87/71/58	85/69/56	83/67/53	80/65/49	78/63/46	77/61/43	75/59/40	73/57/37	70/52/33	67/46/29	64/41/26		
		7 to 27	All Mounts	94/77/66	93/75/63	90/73/61	87/71/58	85/69/56	83/67/53	80/65/49	78/63/46	77/61/43	75/59/40	73/57/37	70/52/33	67/46/29	64/41/26		
		27 to 45	All Mounts	86/79/68	86/76/66	83/73/61	81/71/59	79/69/56	77/67/54	75/65/52	73/63/50	71/61/48	69/59/46	67/57/44	65/55/42	63/53/53	61/51/48		
		45 to 90	All Mounts	91/89/89	89/86/86	87/84/84	85/81/81	83/79/79	81/77/77	79/75/75	77/73/73	75/71/71	73/69/67	71/67/65	69/65/63	67/63/61	65/61/59		
		0 to 7	All Mounts	90/84/84	87/81/81	85/79/79	83/76/76	81/74/74	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	61/54/54		
20 psf	D	27 to 45	All Mounts	81/75/64	81/73/61	81/71/59	81/69/56	81/67/54	81/65/50	81/63/48	81/61/46	81/59/44	81/57/42	81/55/40	81/53/38	81/51/36	81/49/34		
		45 to 90	All Mounts	88/85/85	85/82/82	83/80/80	81/79/77	79/75/75	77/73/73	76/71/71	74/70/70	72/68/68	71/67/67	69/65/65	66/61/61	63/56/56	60/51/51		
		0 to 7	All Mounts	94/74/73	91/73/71	89/73/71	86/73/71	84/73/71	81/73/71	79/73/71	77/73/71	75/73/71	73/73/71	71/73/71	69/73/71	67/73/71	65/73/71		
		7 to 27	All Mounts	94/74/73	91/73/71	89/73/71	86/73/71	84/73/71	81/73/71	79/73/71	77/73/71	75/73/71	73/73/71	71/73/71	69/73/71	67/73/71	65/73/71		
		27 to 45	All Mounts	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	75/69/69	73/67/67	71/65/61	69/60/60	67/60/60	64/57/57	62/57/57	59/54/54	56/46/46		
	B	0 to 7	All Mounts	94/74/73	91/74/71	89/74/71	86/74/71	84/74/71	81/74/71	79/74/71	77/74/71	75/74/71	73/74/71	71/74/71	69/74/71	67/74/71	65/74/71		
		7 to 27	All Mounts	94/74/73	91/74/71	89/74/71	86/74/71	84/74/71	81/74/71	79/74/71	77/74/71	75/74/71	73/74/71	71/74/71	69/74/71	67/74/71	65/74/71		
		27 to 45	All Mounts	83/83/75	83/83/75	83/82/71	83/80/69	83/78/67	83/76/65	83/74/63	83/72/60	83/70/58	83/68/56	83/66/54	83/64/52	83/62/50	83/60/48		
		45 to 90	All Mounts	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93	93/93/93		
		0 to 7	All Mounts	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96	96/96/96		
25 psf	C	27 to 45	All Mounts	80/79/68	80/76/66	80/74/63	80/72/60	80/70/58	80/68/56	80/66/54	80/64/52	80/62/50	80/60/48	80/58/46	80/56/44	80/54/42	80/52/40		
		45 to 90	All Mounts	89/89/89	87/86/86	85/84/84													

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 4 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
30 psf	B	0 to 7	All Mounts	73 / 73 / 73	73 / 73 / 71	73 / 73 / 69	73 / 73 / 67	73 / 73 / 65	73 / 73 / 63	73 / 72 / 60	73 / 71 / 58	73 / 69 / 56	73 / 67 / 54	73 / 66 / 51	73 / 62 / 45	73 / 58 / 40	72 / 55 / 35
		7 to 27	All Mounts	77 / 77 / 75	77 / 77 / 71	77 / 77 / 69	77 / 77 / 67	77 / 76 / 65	77 / 76 / 63	77 / 74 / 62	77 / 72 / 60	77 / 69 / 58	77 / 67 / 54	77 / 66 / 51	76 / 64 / 48	74 / 60 / 43	73 / 57 / 38
		27 to 45	All Mounts	90 / 90 / 90	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	86 / 86 / 86	85 / 85 / 85	84 / 83 / 83	83 / 81 / 81	81 / 79 / 79	80 / 77 / 77	79 / 76 / 76	77 / 72 / 72	74 / 70 / 70	71 / 67 / 67
		45 to 90	All Mounts	97 / 93 / 93	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	83 / 76 / 76	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	74 / 68 / 68	72 / 66 / 66	69 / 63 / 62
		0 to 7	All Mounts	73 / 73 / 66	73 / 73 / 63	73 / 73 / 61	73 / 71 / 58	73 / 69 / 56	73 / 67 / 53	73 / 65 / 49	73 / 63 / 46	73 / 61 / 43	73 / 59 / 40	73 / 57 / 37	70 / 52 / 33	67 / 46 / 29	64 / 41 / 28
	C	7 to 27	All Mounts	77 / 77 / 68	77 / 77 / 66	77 / 77 / 64	77 / 72 / 60	77 / 70 / 56	77 / 68 / 54	76 / 67 / 49	76 / 64 / 43	74 / 58 / 40	73 / 56 / 36	74 / 54 / 32	70 / 50 / 43	67 / 46 / 32	64 / 41 / 28
		27 to 45	All Mounts	87 / 87 / 87	85 / 85 / 85	84 / 84 / 84	83 / 81 / 81	81 / 79 / 79	80 / 77 / 77	79 / 75 / 75	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	67 / 60 / 60	64 / 57 / 57
		45 to 90	All Mounts	90 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	67 / 60 / 60	64 / 57 / 57	60 / 53 / 53
		0 to 7	All Mounts	74 / 74 / 62	74 / 73 / 59	74 / 69 / 56	74 / 67 / 54	74 / 65 / 50	74 / 63 / 46	74 / 61 / 43	74 / 58 / 40	73 / 56 / 37	71 / 54 / 35	70 / 51 / 32	67 / 45 / 29	63 / 40 / 25	60 / 36 / 23
		7 to 27	All Mounts	79 / 75 / 64	79 / 71 / 61	79 / 69 / 56	79 / 67 / 54	78 / 67 / 50	77 / 65 / 50	76 / 64 / 43	76 / 60 / 40	74 / 56 / 37	72 / 54 / 35	72 / 51 / 32	69 / 48 / 31	66 / 42 / 27	63 / 38 / 24
35 psf	D	27 to 45	All Mounts	86 / 85 / 85	84 / 82 / 82	82 / 80 / 80	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	68 / 61 / 61	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	68 / 61 / 61	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46
		0 to 7	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 69	71 / 71 / 67	71 / 71 / 65	71 / 71 / 63	71 / 71 / 61	71 / 71 / 58	71 / 69 / 56	71 / 67 / 54	71 / 66 / 51	71 / 62 / 45	71 / 58 / 40	71 / 55 / 35
		7 to 27	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68
		27 to 45	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80
	B	0 to 7	All Mounts	71 / 71 / 66	71 / 71 / 63	71 / 71 / 61	71 / 71 / 58	71 / 69 / 56	71 / 67 / 53	71 / 65 / 49	71 / 63 / 46	71 / 61 / 43	71 / 59 / 40	71 / 57 / 37	70 / 52 / 33	67 / 46 / 29	64 / 41 / 26
		7 to 27	All Mounts	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68	68 / 68 / 68
		27 to 45	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80
		45 to 90	All Mounts	90 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	67 / 60 / 60	64 / 57 / 57	60 / 53 / 53
		0 to 7	All Mounts	73 / 73 / 62	73 / 73 / 59	73 / 69 / 56	73 / 67 / 54	73 / 65 / 50	73 / 63 / 46	73 / 61 / 43	73 / 58 / 40	73 / 56 / 37	71 / 54 / 35	70 / 51 / 32	67 / 45 / 29	63 / 40 / 25	60 / 36 / 23
40 psf	D	7 to 27	All Mounts	75 / 75 / 64	75 / 73 / 61	75 / 71 / 59	75 / 69 / 56	75 / 67 / 54	75 / 65 / 50	75 / 62 / 46	74 / 60 / 43	73 / 58 / 40	73 / 56 / 37	72 / 54 / 35	69 / 48 / 31	66 / 42 / 27	63 / 38 / 24
		27 to 45	All Mounts	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 77 / 77	79 / 75 / 75	77 / 73 / 73	76 / 71 / 71	74 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	68 / 61 / 61	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46
		0 to 7	All Mounts	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 67	69 / 69 / 65	69 / 69 / 63	69 / 69 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60
		7 to 27	All Mounts	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 56	60 / 60 / 54	60 / 60 / 50	60 / 60 / 46	60 / 60 / 43	60 / 58 / 40	60 / 56 / 37	60 / 54 / 35	60 / 48 / 31	60 / 42 / 27	60 / 38 / 24
	B	0 to 7	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71
		7 to 27	All Mounts	67 / 67 / 64	67 / 67 / 61	67 / 67 / 59	67 / 67 / 56	67 / 67 / 54	67 / 65 / 50	67 / 62 / 46	67 / 60 / 43	67 / 56 / 37	67 / 54 / 35	67 / 51 / 32	67 / 48 / 31	66 / 42 / 27	63 / 38 / 24
		27 to 45	All Mounts	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 77	78 / 75 / 75	76 / 73 / 73	75 / 71 / 71	74 / 70 / 70	72 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54
		45 to 90	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	68 / 61 / 61	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46
		0 to 7	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65
45 psf	C	27 to 45	All Mounts	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 48	52 / 52 / 43	52 / 52 / 38
		45 to 90	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65
		0 to 7	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65
		7 to 27	All Mounts	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52	52 / 52 / 52
		45 to 90	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65
	D	0 to 7	All Mounts	90 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	81 / 74 / 74	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	67 / 60 / 60	64 / 57 / 57	60 / 53 / 53
		7 to 27	All Mounts	69 / 69 / 62	69 / 69 / 59	69 / 69 / 56	69 / 67 / 54	69 / 65 / 50	69 / 63 / 46	69 / 61 / 43	69 / 58 / 40	69 / 56 / 37	69 / 54 / 35	69 / 51 / 32	67 / 45 / 29	63 / 40 / 25	60 / 38 / 24
		27 to 45	All Mounts	60 / 60 / 60	60 / 60 / 60	60 / 60 / 60	60 / 60 / 56	60 / 60 / 54	60 / 60 / 50	60 / 60 / 46	60 / 60 / 43	60 / 58 / 40	60 / 56 / 37	60 / 54 / 35	60 / 48 / 31	60 / 42 / 27	60 / 38 / 24
		45 to 90	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 68 / 68	71 / 67 / 67	69 / 65 / 65	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54
		0 to 7	All Mounts	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	75 / 69 / 69	73 / 67 / 67	72 / 66 / 66	70 / 64 / 64	68 / 61 / 61	67 / 60 / 60	63 / 56 / 56	60 / 51 / 51	56 / 46 / 46
50 psf	B	0 to 7	All Mounts	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 60	62 / 62 / 58	62 / 62 / 56	62 / 62 / 54	62 / 62 / 51	62 / 62 / 45	62 / 58 / 40	62 / 55 / 35
		7 to 27	All Mounts	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48	48 / 48 / 48
		27 to 45	All Mounts	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59
		45 to 90	All Mounts	97 / 93 / 93	95 / 90 / 90	93 / 87 / 87	91 / 85 / 85	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	83 / 76 / 76	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	74 / 68 / 68	72 / 66 / 66	69 / 63 / 62
		0 to 7	All Mounts	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 /	

Maximum Rail Spans (Inches) **SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 6 3-Rail -- 60-Ceill**

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->		110 mph		115 mph		120 mph		125 mph		130 mph		135 mph		140 mph		145 mph		150 mph		155 mph		160 mph		170 mph		180 mph		190 mph																																																																																																																																																																																																																																																																													
			0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 72	75 / 75 / 70	75 / 75 / 68	75 / 75 / 66	75 / 75 / 64	75 / 74 / 62	75 / 72 / 59	75 / 70 / 57	75 / 69 / 56	75 / 67 / 53	75 / 63 / 47	75 / 60 / 42	73 / 57 / 37	75 / 75 / 75	75 / 75 / 72	75 / 73 / 66	78 / 78 / 72	78 / 78 / 70	78 / 78 / 68	78 / 77 / 66	78 / 77 / 64	88 / 88 / 86	88 / 88 / 84	88 / 82 / 82	83 / 80 / 80	82 / 79 / 79	80 / 77 / 77	78 / 74 / 74	75 / 71 / 71	73 / 68 / 68																																																																																																																																																																																																																																																																									
30 psf	B	7 to 27	All Mounts	91 / 91 / 91	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	86 / 86 / 86	85 / 84 / 84	84 / 83 / 82	83 / 80 / 80	82 / 79 / 79	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 62 / 62	65 / 58 / 58	62 / 55 / 55	61 / 54 / 54	58 / 48 / 48	57 / 57 / 57	57 / 57 / 50	57 / 57 / 45	57 / 57 / 40	57 / 57 / 35	57 / 57 / 30	57 / 57 / 25	57 / 57 / 20	57 / 57 / 15	57 / 57 / 10																																																																																																																																																																																																																																																																												
		27 to 45	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 62 / 62	65 / 58 / 58	62 / 55 / 55	61 / 54 / 54	58 / 48 / 48	57 / 57 / 57	57 / 57 / 50	57 / 57 / 45	57 / 57 / 40	57 / 57 / 35	57 / 57 / 30	57 / 57 / 25	57 / 57 / 20	57 / 57 / 15	57 / 57 / 10																																																																																																																																																																																																																																																																												
		45 to 90	All Mounts	75 / 75 / 67	75 / 75 / 65	75 / 74 / 62	75 / 74 / 60	75 / 73 / 60	75 / 72 / 57	75 / 68 / 55	75 / 64 / 52	75 / 62 / 45	75 / 60 / 42	74 / 58 / 39	74 / 54 / 35	68 / 47 / 30	65 / 42 / 27	63 / 40 / 26	62 / 55 / 55	61 / 54 / 54	58 / 48 / 48	57 / 57 / 57	57 / 57 / 50	57 / 57 / 45	57 / 57 / 40	57 / 57 / 35	57 / 57 / 30	57 / 57 / 25	57 / 57 / 20	57 / 57 / 15	57 / 57 / 10	57 / 57 / 5	57 / 57 / 0																																																																																																																																																																																																																																																																											
		0 to 7	All Mounts	78 / 78 / 69	78 / 78 / 67	78 / 75 / 65	78 / 73 / 62	78 / 71 / 59	78 / 69 / 57	78 / 68 / 55	77 / 66 / 52	76 / 64 / 48	76 / 62 / 45	75 / 60 / 42	74 / 56 / 37	71 / 51 / 33	68 / 46 / 30	65 / 40 / 26	62 / 35 / 25	60 / 30 / 20	58 / 28 / 18	56 / 26 / 16	54 / 24 / 14	52 / 22 / 12	50 / 20 / 10	48 / 18 / 8	46 / 16 / 6	44 / 14 / 4	42 / 12 / 2	40 / 10 / 0	38 / 8 / 0	36 / 6 / 0	34 / 4 / 0																																																																																																																																																																																																																																																																											
		7 to 27	All Mounts	88 / 88 / 88	87 / 87 / 87	85 / 85 / 85	84 / 82 / 82	83 / 80 / 80	81 / 79 / 79	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	68 / 61 / 61	65 / 57 / 57	61 / 54 / 54	58 / 48 / 48	57 / 57 / 57	57 / 57 / 50	57 / 57 / 45	57 / 57 / 40	57 / 57 / 35	57 / 57 / 30	57 / 57 / 25	57 / 57 / 20	57 / 57 / 15	57 / 57 / 10	57 / 57 / 5	57 / 57 / 0	57 / 57 / 0	57 / 57 / 0																																																																																																																																																																																																																																																																										
		45 to 90	All Mounts	75 / 75 / 63	75 / 73 / 63	75 / 70 / 58	75 / 68 / 55	75 / 67 / 52	75 / 64 / 48	75 / 62 / 45	75 / 60 / 42	74 / 58 / 39	74 / 54 / 35	74 / 53 / 34	68 / 47 / 30	65 / 42 / 27	63 / 40 / 26	62 / 35 / 25	60 / 30 / 20	58 / 28 / 18	56 / 26 / 16	54 / 24 / 14	52 / 22 / 12	50 / 20 / 10	48 / 18 / 8	46 / 16 / 6	44 / 14 / 4	42 / 12 / 2	40 / 10 / 0	38 / 8 / 0	36 / 6 / 0	34 / 4 / 0	32 / 2 / 0																																																																																																																																																																																																																																																																											
35 psf	C	7 to 27	All Mounts	91 / 87 / 87	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 80 / 80	80 / 74 / 74	79 / 68 / 55	78 / 67 / 52	77 / 64 / 48	76 / 62 / 45	75 / 60 / 42	74 / 58 / 39	74 / 54 / 35	68 / 47 / 30	65 / 42 / 27	63 / 40 / 26	62 / 35 / 25	60 / 30 / 20	58 / 28 / 18	56 / 26 / 16	54 / 24 / 14	52 / 22 / 12	50 / 20 / 10	48 / 18 / 8	46 / 16 / 6	44 / 14 / 4	42 / 12 / 2	40 / 10 / 0	38 / 8 / 0																																																																																																																																																																																																																																																																											
		27 to 45	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 62 / 62	65 / 58 / 58	62 / 55 / 55	61 / 54 / 54	58 / 48 / 48	57 / 57 / 57	57 / 57 / 50	57 / 57 / 45	57 / 57 / 40	57 / 57 / 35	57 / 57 / 30	57 / 57 / 25	57 / 57 / 20	57 / 57 / 15	57 / 57 / 10	57 / 57 / 5	57 / 57 / 0																																																																																																																																																																																																																																																																										
		45 to 90	All Mounts	78 / 74 / 63	78 / 74 / 61	78 / 72 / 60	78 / 70 / 58	77 / 68 / 55	77 / 64 / 52	77 / 60 / 48	76 / 62 / 45	76 / 60 / 42	75 / 58 / 39	75 / 56 / 37	75 / 50 / 32	68 / 47 / 30	65 / 42 / 27	63 / 40 / 26	62 / 35 / 25	60 / 30 / 20	58 / 28 / 18	56 / 26 / 16	54 / 24 / 14	52 / 22 / 12	50 / 20 / 10	48 / 18 / 8	46 / 16 / 6	44 / 14 / 4	42 / 12 / 2	40 / 10 / 0	38 / 8 / 0	36 / 6 / 0	34 / 4 / 0	32 / 2 / 0																																																																																																																																																																																																																																																																										
		0 to 7	All Mounts	86 / 86 / 86	84 / 83 / 83	83 / 81 / 81	82 / 80 / 80	81 / 79 / 79	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	69 / 63 / 63	68 / 61 / 61	65 / 57 / 57	61 / 54 / 54	58 / 48 / 48	57 / 57 / 57	57 / 57 / 50	57 / 57 / 45	57 / 57 / 40	57 / 57 / 35	57 / 57 / 30	57 / 57 / 25	57 / 57 / 20	57 / 57 / 15	57 / 57 / 10	57 / 57 / 5	57 / 57 / 0	57 / 57 / 0	57 / 57 / 0	57 / 57 / 0																																																																																																																																																																																																																																																																										
		7 to 27	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 68	70 / 70 / 66	70 / 70 / 64	70 / 70 / 62	70 / 70 / 59	70 / 70 / 57	70 / 69 / 56	70 / 67 / 53	70 / 63 / 47	70 / 60 / 42	70 / 57 / 37	70 / 54 / 32	70 / 51 / 27	70 / 48 / 24	70 / 45 / 21	70 / 42 / 18	70 / 39 / 15	70 / 36 / 12	70 / 33 / 9	70 / 30 / 6	70 / 27 / 3	70 / 24 / 0	70 / 21 / 0	70 / 18 / 0	70 / 15 / 0	70 / 12 / 0	70 / 9 / 0	70 / 6 / 0	70 / 3 / 0																																																																																																																																																																																																																																																																									
		45 to 90	All Mounts	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 77 / 77	76 / 74 / 74	74 / 72 / 72	72 / 70 / 70	70 / 68 / 68	68 / 66 / 66	66 / 64 / 64	64 / 62 / 62	62 / 60 / 60	60 / 58 / 58	58 / 56 / 56	56 / 54 / 54	54 / 52 / 52	52 / 50 / 50	50 / 48 / 48	48 / 46 / 46	46 / 44 / 44	44 / 42 / 42	42 / 40 / 40	40 / 38 / 38	38 / 36 / 36	36 / 34 / 34	34 / 32 / 32	32 / 30 / 30	30 / 28 / 28	28 / 26 / 26	26 / 24 / 24	24 / 22 / 22	22 / 20 / 20	20 / 18 / 18	18 / 16 / 16	16 / 14 / 14	14 / 12 / 12	12 / 10 / 10	10 / 8 / 8	8 / 6 / 6	6 / 4 / 4	4 / 2 / 2	2 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0	0 / 0 / 0

Maximum Rail Spans (Inches)				SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof – Bin 6 3-Rail – 60-Cell																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed > Roof Zone >	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
70 psf	B	0 to 7°	All Mounts	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/53	54/54/47	54/54/47	54/54/37		
		7 to 27°	All Mounts	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42		
		27 to 45°	All Mounts	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52		
		45 to 90°	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64		
		0 to 7°	All Mounts	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/54	54/54/35	54/49/31	54/43/28	
		7 to 27°	All Mounts	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/42	42/42/37	42/42/33	42/42/30	
		27 to 45°	All Mounts	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	52/52/52	
		45 to 90°	All Mounts	91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	68/62/62	66/58/58	62/55/58	62/55/58	62/55/55	
		0 to 7°	All Mounts	58/58/58	58/58/58	58/58/58	58/58/55	58/58/55	58/58/48	58/58/48	58/58/42	58/58/39	58/56/36	58/54/34	58/47/30	58/47/30	58/47/29	58/47/26	58/47/26	
		7 to 27°	All Mounts	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	47/47/47	
80 psf	B	27 to 45°	All Mounts	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	68/61/61	65/57/57	61/54/54	58/48/48		
		45 to 90°	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	68/61/61	65/57/57	61/51/51	51/51/47	51/51/42	51/51/37	51/51/37	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	98/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	70/64/64	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	68/62/62	66/58/58	62/55/58	62/55/58	62/55/55	
90 psf	B	27 to 45°	All Mounts	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58		
		45 to 90°	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	68/61/61	65/57/57	61/54/54	58/48/48	58/48/48	58/48/48	58/48/48	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	98/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	70/64/64	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	68/62/62	66/58/58	62/55/58	62/55/58	62/55/55	
100 psf	B	27 to 45°	All Mounts	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58		
		45 to 90°	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	68/61/61	65/57/57	61/54/54	58/48/48	58/48/48	58/48/48	58/48/48	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	98/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	70/64/64	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	68/62/62	66/58/58	62/55/58	62/55/58	62/55/55	
110 psf	B	27 to 45°	All Mounts	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58		
		45 to 90°	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	68/61/61	65/57/57	61/54/54	58/48/48	58/48/48	58/48/48	58/48/48	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	98/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	70/64/64	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	
		7 to 27°	All Mounts	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	37/37/37	
		27 to 45°	All Mounts	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	46/46/46	
		45 to 90°	All Mounts	91/85/85	89/82/82	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/64/64	72/64/64	70/64/64	68/62/62	66/58/58	62/55/58	62/55/58	62/55/55	
120 psf	C	27 to 45°	All Mounts	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58	58/58/58		
		45 to 90°	All Mounts	87/81/81	85/79/79	83/76/76	80/74/74	78/72/72	76/70/70	74/69/69	73/67/67	71/65/65	68/61/61	65/57/57	61/54/54	58/48/48	58/48/48	58/48/48	58/48/48	
		0 to 7°	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51							

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 7 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
0 psf	B	0 to 7	All Mounts	92/85/72	92/82/70	92/79/68	92/77/66	92/75/63	90/73/61	88/71/59	86/69/57	84/68/55	82/66/53	80/64/51	76/60/48	73/57/45	71/54/43
		7 to 27	All Mounts	93/86/74	93/83/72	93/81/70	93/79/68	93/76/66	93/74/63	91/72/61	89/70/59	87/69/57	85/67/55	83/66/53	79/62/50	76/58/47	73/55/44
		27 to 45	All Mounts	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	91/89/88	89/86/86	87/84/84	85/82/82	83/80/80	78/74/74	75/71/71	73/68/68
		45 to 90	All Mounts	96/91/91	94/88/88	91/86/86	89/83/83	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	73/67/67	70/64/64	68/61/61
		0 to 7	All Mounts	92/76/65	91/74/62	88/72/59	86/70/57	83/68/54	81/66/52	79/63/50	77/61/49	75/59/47	73/57/45	72/55/44	69/52/41	66/49/39	63/46/37
	C	7 to 27	All Mounts	93/78/67	93/75/64	92/73/61	89/71/59	86/69/56	84/67/52	82/65/52	80/63/50	78/61/49	76/59/47	74/57/45	71/53/43	69/50/40	66/47/38
		27 to 45	All Mounts	90/87/87	87/85/85	85/82/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/72	74/70/70	72/66/66	70/64/64	69/62/62	66/58/58	62/55/52
		45 to 90	All Mounts	88/82/82	86/80/80	83/77/77	81/75/75	79/73/73	77/71/71	76/70/70	74/68/68	72/66/66	70/64/64	69/62/62	65/58/58	62/55/52	59/54/49
		0 to 7	All Mounts	93/74/62	90/71/60	87/69/57	85/67/55	82/65/52	80/63/50	78/61/49	76/59/47	74/57/45	72/55/44	70/64/64	69/62/62	65/48/38	62/45/36
		7 to 27	All Mounts	93/74/62	90/71/60	87/69/57	85/67/55	82/65/52	80/63/50	78/61/49	76/59/47	74/57/45	72/55/44	70/64/64	69/62/62	65/48/38	62/45/36
5 psf	B	27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/85/72	88/82/80	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	69/62/62	65/58/58	62/55/52
		7 to 27	All Mounts	93/86/74	93/83/72	93/81/70	93/79/68	93/76/66	93/74/63	91/72/61	89/70/59	87/69/57	85/67/55	83/66/53	79/62/50	76/58/47	73/55/44
		27 to 45	All Mounts	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	91/89/88	89/86/86	87/84/84	85/82/82	83/80/80	78/74/74	75/71/71	73/68/68
		45 to 90	All Mounts	96/91/91	94/88/88	91/86/86	89/83/83	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	73/67/67	70/64/64	68/61/61
	C	0 to 7	All Mounts	89/76/65	88/74/62	86/72/59	84/68/55	82/66/53	80/63/50	78/61/49	76/59/47	74/57/45	72/55/44	70/64/64	69/62/62	65/48/38	62/45/36
		7 to 27	All Mounts	93/81/70	90/78/65	87/76/63	85/74/61	83/72/59	81/70/57	79/68/55	77/66/53	75/64/51	73/62/49	71/60/47	69/58/45	67/56/43	65/54/41
		27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		45 to 90	All Mounts	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	69/62/62	67/60/60	65/58/58	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
10 psf	B	27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
		7 to 27	All Mounts	93/86/74	93/83/72	93/81/70	93/79/68	93/76/66	93/74/63	91/72/61	89/70/59	87/69/57	85/67/55	83/66/53	79/62/50	76/58/47	73/55/44
		27 to 45	All Mounts	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	91/89/88	89/86/86	87/84/84	85/82/82	83/80/80	78/74/74	75/71/71	73/68/68
		45 to 90	All Mounts	96/91/91	94/88/88	91/86/86	89/83/83	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	73/67/67	70/64/64	68/61/61
	C	0 to 7	All Mounts	89/76/65	88/74/62	86/72/59	84/68/55	82/66/53	80/63/50	78/61/49	76/59/47	74/57/45	72/55/44	70/64/64	69/62/62	65/48/38	62/45/36
		7 to 27	All Mounts	93/81/70	90/78/65	87/76/63	85/74/61	83/72/59	81/70/57	79/68/55	77/66/53	75/64/51	73/62/49	71/60/47	69/58/45	67/56/43	65/54/41
		27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		45 to 90	All Mounts	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	69/62/62	67/60/60	65/58/58	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
15 psf	B	27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
		7 to 27	All Mounts	93/86/74	93/83/72	93/81/70	93/79/68	93/76/66	93/74/63	91/72/61	89/70/59	87/69/57	85/67/55	83/66/53	79/62/50	76/58/47	73/55/44
		27 to 45	All Mounts	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	91/89/88	89/86/86	87/84/84	85/82/82	83/80/80	78/74/74	75/71/71	73/68/68
		45 to 90	All Mounts	96/91/91	94/88/88	91/86/86	89/83/83	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	73/67/67	70/64/64	68/61/61
	C	0 to 7	All Mounts	89/76/65	88/74/62	86/72/59	84/68/55	82/66/53	80/63/50	78/61/49	76/59/47	74/57/45	72/55/44	70/64/64	69/62/62	65/48/38	62/45/36
		7 to 27	All Mounts	93/81/70	90/78/65	87/76/63	85/74/61	83/72/59	81/70/57	79/68/55	77/66/53	75/64/51	73/62/49	71/60/47	69/58/45	67/56/43	65/54/41
		27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		45 to 90	All Mounts	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	69/62/62	67/60/60	65/58/58	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
20 psf	B	27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
		7 to 27	All Mounts	93/86/74	93/83/72	93/81/70	93/79/68	93/76/66	93/74/63	91/72/61	89/70/59	87/69/57	85/67/55	83/66/53	79/62/50	76/58/47	73/55/44
		27 to 45	All Mounts	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	94/94/94	91/89/88	89/86/86	87/84/84	85/82/82	83/80/80	78/74/74	75/71/71	73/68/68
		45 to 90	All Mounts	96/91/91	94/88/88	91/86/86	89/83/83	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	73/67/67	70/64/64	68/61/61
	C	0 to 7	All Mounts	89/76/65	88/74/62	86/72/59	84/68/55	82/66/53	80/63/50	78/61/49	76/59/47	74/57/45	72/55/44	70/64/64	69/62/62	65/48/38	62/45/36
		7 to 27	All Mounts	93/81/70	90/78/65	87/76/63	85/74/61	83/72/59	81/70/57	79/68/55	77/66/53	75/64/51	73/62/49	71/60/47	69/58/45	67/56/43	65/54/41
		27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		45 to 90	All Mounts	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	69/62/62	67/60/60	65/58/58	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/68/68	74/66/66	72/64/64	70/62/62	68/60/60	66/58/58	64/62/62
25 psf	B	27 to 45	All Mounts	86/83/83	84/81/81	82/78/78	80/76/76	78/74/74	76/72/72	74/70/70	72/68/68	70/66/66	68/64/64	66/62/62	63/60/60	61/58/58	59/57/57
		0 to 7	All Mounts	89/83/72	88/80/80	86/78/78	84/76/76	82/74/74									

Maximum Rail Spans (Inches)

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->															
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	72 / 72 / 72	72 / 72 / 70	72 / 72 / 68	72 / 72 / 66	72 / 72 / 63	72 / 72 / 61	72 / 71 / 59	72 / 69 / 57	72 / 68 / 55	72 / 66 / 53	72 / 64 / 51	72 / 60 / 48	72 / 57 / 45	71 / 54 / 43	
		7 to 27	All Mounts	76 / 76 / 74	76 / 76 / 72	76 / 76 / 70	76 / 76 / 68	76 / 76 / 66	76 / 74 / 63	76 / 71 / 59	76 / 69 / 57	76 / 67 / 55	75 / 66 / 53	74 / 62 / 50	73 / 58 / 47	72 / 55 / 44		
		27 to 45	All Mounts	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	82 / 82 / 82	81 / 80 / 80	80 / 78 / 78	79 / 76 / 76	78 / 74 / 71	75 / 71 / 71	73 / 68 / 68	70 / 66 / 66		
		45 to 90	All Mounts	96 / 91 / 91	94 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 61 / 61	
		0 to 7	All Mounts	72 / 72 / 65	72 / 72 / 62	72 / 72 / 59	72 / 68 / 54	72 / 66 / 52	72 / 63 / 50	72 / 61 / 49	72 / 59 / 47	72 / 57 / 45	72 / 55 / 44	69 / 52 / 41	66 / 49 / 39	63 / 46 / 37		
		7 to 27	All Mounts	76 / 76 / 67	76 / 75 / 64	76 / 73 / 61	76 / 71 / 59	76 / 69 / 56	76 / 67 / 54	75 / 65 / 52	74 / 63 / 50	74 / 61 / 49	73 / 59 / 47	73 / 57 / 46	69 / 50 / 40	66 / 47 / 38		
30 psf	C	27 to 45	All Mounts	85 / 85 / 85	84 / 84 / 84	83 / 82 / 82	81 / 80 / 80	80 / 78 / 78	79 / 76 / 76	77 / 74 / 74	76 / 72 / 72	74 / 68 / 68	73 / 66 / 63	72 / 62 / 50	71 / 58 / 47	70 / 55 / 44		
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	66 / 58 / 58	62 / 55 / 55	59 / 52 / 52	
		0 to 7	All Mounts	73 / 72 / 60	73 / 70 / 57	73 / 68 / 55	73 / 66 / 53	73 / 64 / 51	73 / 61 / 49	73 / 59 / 47	73 / 57 / 45	72 / 55 / 44	70 / 53 / 42	68 / 51 / 42	65 / 48 / 38	62 / 45 / 36	58 / 43 / 34	
		7 to 27	All Mounts	77 / 74 / 62	77 / 71 / 60	77 / 69 / 57	77 / 67 / 55	76 / 65 / 52	76 / 63 / 50	75 / 61 / 49	75 / 58 / 47	74 / 56 / 45	72 / 54 / 44	70 / 52 / 42	68 / 50 / 40	65 / 47 / 38	62 / 44 / 36	
		27 to 45	All Mounts	84 / 83 / 83	83 / 81 / 81	81 / 78 / 78	80 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 70 / 70	73 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	66 / 58 / 58	62 / 55 / 55	59 / 52 / 52	
		45 to 90	All Mounts	88 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 58 / 58	61 / 54 / 54	58 / 51 / 51	55 / 49 / 49	
35 psf	B	0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 68	70 / 70 / 66	70 / 70 / 63	70 / 70 / 61	70 / 69 / 57	70 / 68 / 55	70 / 66 / 53	70 / 64 / 51	70 / 60 / 48	70 / 57 / 45	70 / 54 / 43	70 / 55 / 44	
		7 to 27	All Mounts	73 / 73 / 72	73 / 73 / 72	73 / 73 / 70	73 / 73 / 68	73 / 73 / 66	73 / 73 / 63	73 / 72 / 61	73 / 71 / 59	73 / 69 / 57	73 / 67 / 55	73 / 66 / 53	72 / 62 / 50	71 / 58 / 47	70 / 55 / 44	
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	84 / 84 / 84	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	78 / 76 / 76	76 / 74 / 74	75 / 71 / 71	73 / 68 / 68	70 / 66 / 66	
		45 to 90	All Mounts	96 / 91 / 91	94 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 61 / 61	
		0 to 7	All Mounts	72 / 72 / 65	72 / 72 / 62	72 / 72 / 59	72 / 68 / 54	72 / 66 / 52	72 / 63 / 50	72 / 61 / 49	72 / 59 / 47	72 / 57 / 45	72 / 55 / 44	69 / 52 / 41	66 / 49 / 39	63 / 46 / 37		
		7 to 27	All Mounts	76 / 76 / 67	76 / 75 / 64	76 / 73 / 61	76 / 71 / 59	76 / 69 / 56	76 / 67 / 54	75 / 65 / 52	74 / 63 / 50	74 / 61 / 49	73 / 59 / 47	73 / 57 / 46	69 / 50 / 40	66 / 47 / 38		
35 psf	C	27 to 45	All Mounts	83 / 83 / 83	81 / 81 / 81	80 / 78 / 78	79 / 76 / 76	77 / 74 / 74	76 / 72 / 72	74 / 70 / 70	73 / 68 / 68	71 / 67 / 67	70 / 65 / 65	68 / 63 / 63	64 / 59 / 59	61 / 56 / 56	58 / 53 / 53	
		45 to 90	All Mounts	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 58 / 58	61 / 54 / 54	58 / 51 / 51	55 / 49 / 49	
		0 to 7	All Mounts	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 66	67 / 67 / 63	67 / 67 / 61	67 / 67 / 59	67 / 67 / 57	67 / 67 / 55	67 / 66 / 53	67 / 64 / 51	67 / 60 / 48	67 / 57 / 45	67 / 54 / 43	
		7 to 27	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 70	71 / 71 / 68	71 / 71 / 66	71 / 71 / 63	71 / 71 / 61	71 / 71 / 59	71 / 69 / 57	71 / 67 / 55	71 / 66 / 53	70 / 62 / 50	69 / 58 / 47	68 / 55 / 44	
		27 to 45	All Mounts	85 / 85 / 85	85 / 85 / 85	84 / 84 / 84	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 78 / 78	78 / 76 / 76	76 / 74 / 74	74 / 71 / 71	72 / 68 / 68	70 / 66 / 66	
		45 to 90	All Mounts	96 / 91 / 91	94 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 61 / 61	
40 psf	C	0 to 7	All Mounts	67 / 67 / 65	67 / 67 / 62	67 / 67 / 59	67 / 67 / 56	67 / 66 / 52	67 / 65 / 50	67 / 63 / 49	67 / 61 / 47	67 / 59 / 45	67 / 57 / 43	67 / 55 / 41	66 / 49 / 39	63 / 46 / 37		
		7 to 27	All Mounts	71 / 71 / 64	71 / 71 / 61	71 / 71 / 59	71 / 69 / 56	71 / 67 / 54	71 / 65 / 52	70 / 63 / 50	70 / 61 / 49	69 / 59 / 47	69 / 57 / 46	67 / 53 / 43	66 / 50 / 40	64 / 47 / 38		
		27 to 45	All Mounts	83 / 83 / 83	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	76 / 76 / 76	75 / 74 / 74	74 / 72 / 72	73 / 70 / 70	72 / 69 / 69	71 / 67 / 67	68 / 64 / 64	65 / 60 / 60	62 / 57 / 52	
		45 to 90	All Mounts	88 / 82 / 82	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	66 / 58 / 58	62 / 55 / 55	59 / 52 / 52	
		0 to 7	All Mounts	70 / 70 / 60	70 / 70 / 57	70 / 68 / 55	70 / 66 / 53	70 / 64 / 51	70 / 61 / 49	70 / 59 / 47	70 / 57 / 45	70 / 55 / 44	70 / 53 / 42	68 / 51 / 42	65 / 48 / 38	62 / 45 / 36	58 / 43 / 34	
		7 to 27	All Mounts	73 / 73 / 62	73 / 73 / 60	73 / 73 / 57	73 / 67 / 55	73 / 65 / 52	72 / 63 / 50	72 / 61 / 49	71 / 58 / 47	70 / 56 / 45	70 / 55 / 44	68 / 63 / 63	64 / 59 / 59	61 / 56 / 56	58 / 53 / 53	
40 psf	D	27 to 45	All Mounts	82 / 82 / 82	80 / 80 / 80	79 / 78 / 78	78 / 76 / 76	76 / 74 / 74	75 / 72 / 72	74 / 70 / 70	73 / 68 / 68	71 / 67 / 67	70 / 65 / 65	68 / 63 / 63	64 / 59 / 59	61 / 56 / 56	58 / 53 / 53	
		45 to 90	All Mounts	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 58 / 58	61 / 54 / 54	58 / 51 / 51	55 / 49 / 49	
		0 to 7	All Mounts	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	61 / 61 / 64	
		7 to 27	All Mounts	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	69 / 69 / 69	
		27 to 45	All Mounts	83 / 83 / 83	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 61 / 61	
		45 to 90	All Mounts	96 / 91 / 91	94 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 61 / 61	
45 psf	C	0 to 7	All Mounts	69 / 69 / 67	69 / 69 / 64	69 / 69 / 61	69 / 69 / 58	69 / 69 / 55	69 / 69 / 52	69 / 69 / 49	69 / 69 / 46	69 / 69 / 43	69 / 69 / 40	69 / 69 / 37	69 / 69 / 34	69 / 69 / 31	69 / 69 / 28	
		7 to 27	All Mounts	71 / 71 / 68	71 / 71 / 65	71 / 71 / 62	71 / 71 / 59	71 / 71 / 56	71 / 71 / 53	71 / 71 / 50	71 / 71 / 47	71 / 71 / 44	71 / 71 / 41	71 / 71 / 38	71 / 71 / 35	71 / 71 / 32	71 / 71 / 29	
		27 to 45	All Mounts	88 / 82 / 82	86 / 80 / 80	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	77 / 71 / 71	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	66 / 58 / 58	62 / 55 / 55	59 / 52 / 52	
		45 to 90	All Mounts	96 / 91 / 91	94 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	68 / 61 / 61	
		0 to 7	All Mounts	67 / 67 / 60	67 / 67 / 57	67 / 67 / 54	67 / 67 / 51	67 / 67 / 48	67 / 67 / 45	67 / 67 / 42	67 / 67 / 39	67 / 67 / 36	67 / 67 / 33	67 / 67 / 30	67 / 67 / 27	67 / 67 / 24	67 / 67 / 21	
		7 to 27	All Mounts	71 / 71 / 62	71 / 71 / 60	71 / 71 / 57	71 / 71 / 54	71 / 71 / 51	71 / 71 / 48	71 / 71 / 45	71 / 71 / 42	71 / 71 / 39	71 / 71 / 36	71 / 71 / 33	71 / 71 / 30	71 / 71 / 27	71 / 71 / 24	
50 psf	D	27 to 45	All Mounts	81 / 81 / 81	79 / 79 / 79	78 / 78 / 78	77 / 76 / 76	75 / 74 / 74	74 / 72 / 72	73 / 70 / 70	72 / 68 / 68	71 / 67 / 67	70 / 65 / 65	68 / 63 / 63	64 / 59 / 59	61 / 56 / 56	58 / 53 / 53	
		45 to 90	All Mounts	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 58 / 58	61 / 54 / 54	58 / 51 / 51	55 / 49 / 49	
		0 to 7	All Mounts	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61 / 61 / 61	61		

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 8 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->		Wind Speed (mph)																
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph					
0 psf	B	0 to 7	All Mounts	95/88/75	95/85/72	95/82/70	95/80/68	95/78/66	94/76/64	91/74/62	89/72/59	87/70/57	84/69/56	83/67/54	79/63/50	76/60/48	73/57/45				
		7 to 27	All Mounts	96/88/77	96/86/74	96/84/72	96/81/70	96/79/68	96/77/66	94/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
		27 to 45	All Mounts	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	97/97/97	96/94/94	94/92/92	92/90/88	90/88/86	88/86/84	85/83/81	82/80/78	79/77/75				
		45 to 90	All Mounts	99/94/94	99/93/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64				
		0 to 7	All Mounts	95/79/67	94/76/65	92/74/62	89/72/60	86/70/57	84/68/55	82/66/53	80/64/51	78/62/49	76/60/48	74/58/46	71/54/43	68/51/41	66/49/39				
	C	7 to 27	All Mounts	96/89/69	96/87/67	96/84/72	96/81/70	96/79/68	96/77/66	94/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
		27 to 45	All Mounts	99/90/90	99/88/88	96/84/84	94/82/82	92/80/78	90/80/80	88/78/78	86/76/76	84/74/74	82/72/72	80/70/70	77/67/67	74/64/64	71/61/61				
		45 to 90	All Mounts	91/85/85	90/83/83	88/80/80	86/78/78	84/76/76	82/74/74	80/72/72	78/70/70	76/62/62	74/58/46	72/54/46	70/50/50	68/46/40	65/43/37				
		0 to 7	All Mounts	93/75/63	90/73/60	87/71/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	70/54/42	68/52/40	66/50/40	63/48/36				
		7 to 27	All Mounts	96/76/66	93/74/63	90/72/60	87/70/58	84/68/55	82/67/53	80/64/51	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
5 psf	D	0 to 7	All Mounts	93/75/63	90/73/60	87/71/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	70/54/42	68/52/40	66/50/40	63/48/36				
		7 to 27	All Mounts	96/86/86	93/84/81	90/82/78	87/80/76	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		27 to 45	All Mounts	87/81/81	85/79/79	83/76/76	81/81/81	80/79/79	79/78/78	78/77/77	77/76/76	76/75/75	75/74/74	74/73/73	73/72/72	72/71/71	71/70/70				
		45 to 90	All Mounts	92/89/77	90/86/74	87/84/72	85/82/70	83/80/68	81/78/66	79/76/64	77/73/62	75/71/60	73/67/59	71/63/51	69/57/45	67/51/41	65/45/37				
		0 to 7	All Mounts	96/89/77	96/86/74	96/84/72	96/81/70	96/79/68	96/77/66	94/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
	B	7 to 27	All Mounts	92/89/77	92/86/74	92/84/72	92/81/70	92/79/68	92/77/66	92/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
		27 to 45	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64				
		45 to 90	All Mounts	96/80/69	96/78/67	95/75/65	92/73/62	89/72/60	87/70/58	85/68/55	83/66/53	81/64/51	79/62/49	77/60/48	75/62/46	73/50/45	71/48/40				
		0 to 7	All Mounts	93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		7 to 27	All Mounts	92/75/63	90/73/60	87/71/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	70/54/42	68/52/40	66/50/40	63/48/36				
10 psf	D	7 to 27	All Mounts	89/86/86	87/83/83	85/81/81	82/79/78	80/76/76	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60	64/59/59	61/55/51				
		27 to 45	All Mounts	93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		45 to 90	All Mounts	87/81/81	85/79/79	83/76/76	81/81/81	80/79/79	79/78/78	78/77/77	77/76/76	76/75/75	75/74/74	74/73/73	73/72/72	72/71/71	71/70/70				
		0 to 7	All Mounts	95/85/75	85/85/72	85/82/70	85/80/68	85/78/66	85/76/64	85/74/62	85/72/59	85/70/57	84/69/56	83/67/54	83/67/54	82/65/52	79/61/49				
		7 to 27	All Mounts	92/89/77	92/86/74	92/84/72	92/81/70	92/79/68	92/77/66	92/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
	B	27 to 45	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64				
		45 to 90	All Mounts	96/80/69	96/78/67	95/75/65	92/73/62	89/72/60	87/70/58	85/68/55	83/66/53	81/64/51	79/62/49	77/60/48	75/62/46	73/50/45	71/48/40				
		0 to 7	All Mounts	93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		7 to 27	All Mounts	92/75/63	90/73/60	87/71/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	70/54/42	68/52/40	66/50/40	63/48/36				
		27 to 45	All Mounts	89/86/86	87/83/83	85/81/81	82/79/78	80/76/76	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60	64/59/59	61/55/51				
15 psf	D	0 to 7	All Mounts	95/85/75	85/85/72	85/82/70	85/80/68	85/78/66	85/76/64	85/74/62	85/72/59	85/70/57	84/69/56	83/67/54	83/67/54	82/65/52	79/61/49				
		7 to 27	All Mounts	92/89/77	92/86/74	92/84/72	92/81/70	92/79/68	92/77/66	92/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
		27 to 45	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64				
		45 to 90	All Mounts	96/80/69	96/78/67	95/75/65	92/73/62	89/72/60	87/70/58	85/68/55	83/66/53	81/64/51	79/62/49	77/60/48	75/62/46	73/50/45	71/48/40				
		0 to 7	All Mounts	93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
	B	7 to 27	All Mounts	96/76/66	93/74/63	90/72/60	87/70/58	84/68/55	82/67/53	80/64/51	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		27 to 45	All Mounts	89/86/86	87/83/83	85/81/81	82/79/78	80/76/76	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60	64/59/59	61/55/51				
		45 to 90	All Mounts	87/81/81	85/79/79	83/76/76	81/81/81	80/79/79	79/78/78	78/77/77	77/76/76	76/75/75	75/74/74	74/73/73	73/72/72	72/71/71	71/70/70				
		0 to 7	All Mounts	95/85/75	85/85/72	85/82/70	85/80/68	85/78/66	85/76/64	85/74/62	85/72/59	85/70/57	84/69/56	83/67/54	83/67/54	82/65/52	79/61/49				
		7 to 27	All Mounts	92/89/77	92/86/74	92/84/72	92/81/70	92/79/68	92/77/66	92/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
20 psf	D	27 to 45	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64				
		45 to 90	All Mounts	96/80/69	96/78/67	95/75/65	92/73/62	89/72/60	87/70/58	85/68/55	83/66/53	81/64/51	79/62/49	77/60/48	75/62/46	73/50/45	71/48/40				
		0 to 7	All Mounts	93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		7 to 27	All Mounts	92/75/63	90/73/60	87/71/58	84/68/55	82/67/53	80/64/51	78/62/49	76/60/48	74/58/46	72/56/44	70/54/42	68/52/40	66/50/40	63/48/36				
		27 to 45	All Mounts	89/86/86	87/83/83	85/81/81	82/79/78	80/76/76	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60	64/59/59	61/55/51				
	B	0 to 7	All Mounts	95/85/75	85/85/72	85/82/70	85/80/68	85/78/66	85/76/64	85/74/62	85/72/59	85/70/57	84/69/56	83/67/54	83/67/54	82/65/52	79/61/49				
		7 to 27	All Mounts	92/89/77	92/86/74	92/84/72	92/81/70	92/79/68	92/77/66	92/75/64	92/73/62	90/71/60	88/70/58	86/68/56	83/67/54	79/63/50	76/60/48				
		27 to 45	All Mounts	99/94/94	97/91/91	94/89/89	92/86/86	90/84/84	88/82/82	86/80/80	84/78/78	82/76/76	81/74/74	79/73/73	76/70/70	73/67/67	70/64/64				
		45 to 90	All Mounts	96/80/69	96/78/67	95/75/65	92/73/62	89/72/60	87/70/58	85/68/55	83/66/53	81/64/51	79/62/49	77/60/48	75/62/46	73/50/45	71/48/40				
		0 to 7	All Mounts	93/90/90	90/88/88	88/85/85	86/82/82	84/80/80	82/78/78	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
25 psf	D	7 to 27	All Mounts	96/76/66	93/74/63	90/72/60	87/70/58	84/68/55	82/67/53	80/64/51	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60				
		27 to 45	All Mounts	89/86/86	87/83/83	85/8															

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 8 3-Rail -- 60-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed → Roof Zone →	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
				110 psf	115 psf	120 psf	125 psf	130 psf	135 psf	140 psf	145 psf	150 psf	155 psf	160 psf	170 psf	180 psf	190 psf
30 psf	B	0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 72	75 / 75 / 70	75 / 75 / 68	75 / 75 / 66	75 / 75 / 64	75 / 74 / 62	75 / 72 / 59	75 / 70 / 57	75 / 69 / 56	75 / 67 / 54	75 / 63 / 50	75 / 60 / 48	73 / 57 / 45
		7 to 27	All Mounts	78 / 78 / 77	78 / 78 / 74	78 / 78 / 72	78 / 78 / 70	78 / 78 / 68	78 / 77 / 66	78 / 75 / 64	78 / 73 / 62	78 / 71 / 60	78 / 68 / 58	78 / 67 / 57	78 / 74 / 74	76 / 71 / 59	73 / 68 / 48
		27 to 45	All Mounts	91 / 91 / 91	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	86 / 86 / 86	85 / 84 / 84	84 / 83 / 82	83 / 80 / 80	82 / 79 / 79	80 / 77 / 77	78 / 74 / 74	75 / 71 / 71	73 / 68 / 48
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64
	C	0 to 7	All Mounts	75 / 75 / 67	75 / 75 / 65	75 / 74 / 62	75 / 74 / 60	75 / 73 / 57	75 / 72 / 55	75 / 70 / 53	75 / 68 / 53	75 / 66 / 49	75 / 64 / 46	74 / 58 / 46	71 / 54 / 43	68 / 51 / 40	66 / 46 / 39
		7 to 27	All Mounts	78 / 78 / 69	78 / 78 / 67	78 / 77 / 65	78 / 77 / 63	78 / 77 / 59	78 / 69 / 57	78 / 68 / 55	77 / 66 / 53	76 / 62 / 49	75 / 60 / 48	74 / 56 / 46	71 / 50 / 42	68 / 49 / 40	66 / 50 / 40
		27 to 45	All Mounts	88 / 88 / 88	87 / 87 / 87	85 / 85 / 85	84 / 82 / 82	83 / 80 / 80	81 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	73 / 67 / 67	70 / 67 / 67	65 / 60 / 60
		45 to 90	All Mounts	91 / 85 / 85	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	68 / 62 / 62	65 / 58 / 58	62 / 55 / 55
	D	0 to 7	All Mounts	75 / 75 / 63	75 / 73 / 63	75 / 73 / 60	75 / 73 / 58	75 / 67 / 53	75 / 66 / 51	75 / 62 / 49	75 / 60 / 48	75 / 59 / 46	75 / 57 / 44	74 / 53 / 43	68 / 51 / 40	65 / 48 / 38	65 / 46 / 37
		7 to 27	All Mounts	80 / 76 / 66	80 / 74 / 63	80 / 72 / 60	80 / 70 / 58	79 / 68 / 55	79 / 66 / 53	78 / 64 / 51	77 / 61 / 49	76 / 59 / 46	75 / 57 / 44	73 / 56 / 45	70 / 52 / 42	68 / 49 / 40	65 / 46 / 37
		27 to 45	All Mounts	87 / 86 / 86	85 / 83 / 83	84 / 81 / 81	82 / 79 / 79	80 / 74 / 74	79 / 73 / 73	78 / 72 / 72	77 / 71 / 71	76 / 69 / 69	75 / 63 / 63	74 / 61 / 49	71 / 65 / 57	68 / 63 / 63	65 / 59 / 59
		45 to 90	All Mounts	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	72 / 66 / 66	71 / 65 / 65	69 / 63 / 63	68 / 61 / 61	65 / 57 / 57	61 / 54 / 54
35 psf	B	0 to 7	All Mounts	76 / 76 / 76	76 / 76 / 74	76 / 76 / 72	76 / 76 / 70	76 / 76 / 66	76 / 76 / 66	76 / 76 / 66	76 / 73 / 62	76 / 71 / 60	76 / 68 / 56	76 / 66 / 56	75 / 65 / 52	74 / 61 / 49	73 / 58 / 47
		7 to 27	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81
		27 to 45	All Mounts	89 / 89 / 89	87 / 87 / 87	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64
	C	0 to 7	All Mounts	76 / 76 / 69	76 / 76 / 67	76 / 75 / 65	76 / 73 / 62	76 / 71 / 59	76 / 69 / 57	75 / 66 / 53	75 / 64 / 51	75 / 62 / 49	74 / 60 / 48	73 / 56 / 46	70 / 52 / 42	68 / 49 / 40	66 / 49 / 39
		7 to 27	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81
		27 to 45	All Mounts	89 / 89 / 89	87 / 87 / 87	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74
		45 to 90	All Mounts	97 / 91 / 91	95 / 85 / 85	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	68 / 63 / 63	65 / 60 / 60
	D	0 to 7	All Mounts	74 / 74 / 63	74 / 73 / 60	74 / 70 / 58	74 / 68 / 55	74 / 67 / 53	74 / 64 / 51	74 / 62 / 49	74 / 60 / 48	74 / 58 / 46	74 / 56 / 44	73 / 54 / 43	68 / 51 / 40	65 / 46 / 37	61 / 45 / 36
		7 to 27	All Mounts	78 / 76 / 66	78 / 74 / 63	78 / 72 / 60	78 / 70 / 58	77 / 68 / 55	77 / 66 / 53	76 / 64 / 51	75 / 61 / 49	74 / 59 / 46	73 / 56 / 45	70 / 52 / 42	68 / 49 / 40	65 / 46 / 37	61 / 45 / 36
		27 to 45	All Mounts	86 / 86 / 86	84 / 83 / 83	83 / 81 / 81	81 / 79 / 79	80 / 76 / 76	79 / 73 / 73	78 / 72 / 72	77 / 71 / 71	76 / 69 / 69	75 / 67 / 65	74 / 69 / 69	73 / 67 / 67	71 / 65 / 57	68 / 63 / 63
		45 to 90	All Mounts	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	72 / 66 / 66	71 / 65 / 65	69 / 63 / 63	68 / 61 / 61	65 / 57 / 57	61 / 54 / 54
40 psf	B	0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 68	70 / 70 / 66	70 / 70 / 64	70 / 70 / 62	70 / 70 / 59	70 / 70 / 57	70 / 69 / 56	70 / 67 / 54	70 / 63 / 50	70 / 60 / 48	70 / 57 / 45
		7 to 27	All Mounts	74 / 74 / 74	74 / 74 / 74	74 / 74 / 72	74 / 74 / 70	74 / 74 / 66	74 / 74 / 64	74 / 73 / 62	74 / 71 / 60	74 / 70 / 58	74 / 68 / 56	74 / 66 / 54	73 / 65 / 52	72 / 61 / 49	71 / 58 / 47
		27 to 45	All Mounts	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88	88 / 88 / 88
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64
	C	0 to 7	All Mounts	70 / 70 / 67	70 / 70 / 65	70 / 70 / 62	70 / 70 / 60	70 / 69 / 57	70 / 68 / 55	70 / 66 / 53	70 / 64 / 51	70 / 62 / 49	70 / 60 / 48	70 / 58 / 46	70 / 56 / 44	70 / 54 / 43	68 / 51 / 40
		7 to 27	All Mounts	74 / 74 / 63	74 / 73 / 60	74 / 70 / 58	74 / 68 / 55	74 / 67 / 53	74 / 64 / 51	74 / 62 / 49	74 / 60 / 48	74 / 58 / 46	74 / 56 / 44	73 / 54 / 43	68 / 51 / 40	65 / 46 / 37	61 / 45 / 36
		27 to 45	All Mounts	86 / 86 / 86	84 / 83 / 83	83 / 81 / 81	81 / 79 / 79	80 / 76 / 76	79 / 73 / 73	78 / 72 / 72	77 / 71 / 71	76 / 69 / 69	75 / 67 / 65	74 / 69 / 69	73 / 67 / 67	71 / 65 / 57	68 / 63 / 63
		45 to 90	All Mounts	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	72 / 66 / 66	71 / 65 / 65	69 / 63 / 63	68 / 61 / 61	65 / 57 / 57	61 / 54 / 54
	D	0 to 7	All Mounts	72 / 72 / 63	72 / 72 / 60	72 / 70 / 58	72 / 68 / 55	72 / 67 / 53	72 / 64 / 51	72 / 62 / 49	72 / 60 / 48	72 / 58 / 46	72 / 56 / 44	71 / 54 / 43	68 / 51 / 40	65 / 48 / 38	61 / 45 / 36
		7 to 27	All Mounts	76 / 76 / 66	76 / 76 / 63	76 / 72 / 60	76 / 70 / 58	75 / 68 / 55	75 / 66 / 53	74 / 64 / 51	73 / 61 / 49	72 / 59 / 46	72 / 56 / 45	70 / 60 / 48	70 / 54 / 43	68 / 51 / 40	66 / 49 / 39
		27 to 45	All Mounts	84 / 84 / 84	83 / 83 / 83	82 / 81 / 81	80 / 79 / 79	79 / 76 / 76	78 / 74 / 74	76 / 73 / 73	75 / 71 / 71	73 / 69 / 69	72 / 68 / 68	71 / 65 / 65	69 / 63 / 63	67 / 60 / 60	64 / 57 / 45
		45 to 90	All Mounts	87 / 81 / 81	85 / 79 / 79	83 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	72 / 66 / 66	71 / 65 / 65	69 / 63 / 63	68 / 61 / 61	65 / 57 / 57	61 / 54 / 54
45 psf	B	0 to 7	All Mounts	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67	57 / 67 / 67
		7 to 27	All Mounts	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72	72 / 72 / 72
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86	86 / 86 / 86
		45 to 90	All Mounts	99 / 94 / 94	97 / 91 / 91	94 / 89 / 89	92 / 86 / 86	90 / 84 / 84	88 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	81 / 74 / 74	79 / 73 / 73	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64
	C	0 to 7	All Mounts	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67
		7 to 27	All Mounts	72 / 72 / 69	72 / 72 / 67	72 / 72 / 64	72 / 72 / 62	72 / 71 / 59	72 / 69 / 57	72 / 68 / 55	72 / 66 / 53	72 / 64 / 51	72 / 62 / 49	72 / 60 / 48	71 / 58 / 46	71 / 56 / 44	69 / 63 / 63
		27 to 45	All Mounts	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 76 / 76	76 / 74 / 74	75 / 73 / 73	74 / 71 / 71	73 / 69 / 69	72 / 68 / 68	71 / 67 / 67	69 / 63 / 63
		45 to 90	All Mounts	91 / 85 / 85	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 69 / 69	73 / 67 / 67	71 / 65 / 65	68 / 62 / 62	65 / 58 / 58	62 / 55 / 55
	D	0 to 7	All Mounts	91 / 85 / 85													

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 1 3-Rail -- 72-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	Wind Speed (mph)															
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
0 psf	B	0 to 7	All Mounts	90/184/71	90/180/68	90/178/66	90/175/64	90/173/61	89/171/59	86/170/57	84/168/55	82/166/53	80/164/51	78/162/49	75/158/46	72/155/44	69/152/43		
		7 to 27	All Mounts	91/184/72	91/181/68	91/179/68	91/177/66	91/175/64	89/173/61	87/171/59	85/169/57	83/167/55	81/165/53	79/163/51	77/160/48	74/157/45	72/153/43		
		27 to 45	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	93/179/79	91/177/77	89/175/73	87/173/71	85/171/69	83/169/81	81/167/79	79/165/73	77/163/71	75/161/69		
		0 to 7	All Mounts	90/174/63	89/172/60	89/170/58	88/168/55	88/166/53	85/164/51	83/162/49	81/160/47	79/158/45	77/156/43	75/154/41	73/152/39	71/150/37	69/148/35		
	C	7 to 27	All Mounts	91/176/65	91/173/62	90/171/59	89/169/57	89/167/55	86/165/52	84/163/50	82/161/48	80/159/46	78/157/44	76/155/42	74/153/40	72/151/38	70/149/36		
		27 to 45	All Mounts	88/185/85	85/183/83	83/180/80	81/178/78	79/176/76	78/174/74	76/172/72	74/170/70	72/168/68	70/166/66	68/164/64	66/162/62	64/160/60	62/158/58		
		45 to 90	All Mounts	86/180/80	84/178/78	82/176/76	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	60/154/54		
		0 to 7	All Mounts	88/171/58	85/169/56	82/167/53	80/164/51	78/162/49	75/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	68/145/35	67/143/33		
		7 to 27	All Mounts	89/172/60	88/170/58	85/168/55	83/166/53	80/164/51	78/162/49	76/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	68/145/35		
5 psf	B	27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
		27 to 45	All Mounts	91/176/65	89/173/62	87/171/59	85/169/57	83/167/55	81/165/53	79/163/51	77/161/49	75/159/47	73/157/45	71/155/43	69/153/41	67/151/39	65/149/37		
	C	7 to 27	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
		27 to 45	All Mounts	91/176/65	89/173/62	87/171/59	85/169/57	83/167/55	81/165/53	79/163/51	77/161/49	75/159/47	73/157/45	71/155/43	69/153/41	67/151/39	65/149/37		
10 psf	B	7 to 27	All Mounts	87/184/72	87/182/70	87/180/68	86/178/66	86/176/64	83/174/62	81/172/60	79/170/58	77/168/56	75/166/54	73/164/52	71/162/50	69/158/48	67/154/46		
		27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
	C	7 to 27	All Mounts	87/184/72	87/182/70	87/180/68	86/178/66	86/176/64	83/174/62	81/172/60	79/170/58	77/168/56	75/166/54	73/164/52	71/162/50	69/158/48	67/154/46		
		27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
15 psf	B	7 to 27	All Mounts	87/184/72	87/182/70	87/180/68	86/178/66	86/176/64	83/174/62	81/172/60	79/170/58	77/168/56	75/166/54	73/164/52	71/162/50	69/158/48	67/154/46		
		27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
	C	7 to 27	All Mounts	87/184/72	87/182/70	87/180/68	86/178/66	86/176/64	83/174/62	81/172/60	79/170/58	77/168/56	75/166/54	73/164/52	71/162/50	69/158/48	67/154/46		
		27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
20 psf	B	7 to 27	All Mounts	87/184/72	87/182/70	87/180/68	86/178/66	86/176/64	83/174/62	81/172/60	79/170/58	77/168/56	75/166/54	73/164/52	71/162/50	69/158/48	67/154/46		
		27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/154/54	59/152/52	57/150/50		
		0 to 7	All Mounts	83/183/71	81/180/68	79/176/66	77/173/64	75/171/62	73/169/61	71/167/59	69/165/57	67/163/55	65/161/53	63/159/51	61/157/49	59/155/47	57/153/45		
		7 to 27	All Mounts	92/192/92	92/189/89	92/187/87	92/185/85	92/183/81	89/181/79	87/179/77	85/177/75	83/175/73	81/173/71	79/171/69	77/169/67	75/167/65	73/165/63		
	C	7 to 27	All Mounts	87/184/72	87/182/70	87/180/68	86/178/66	86/176/64	83/174/62	81/172/60	79/170/58	77/168/56	75/166/54	73/164/52	71/162/50	69/158/48	67/154/46		
		27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	70/165/65	68/163/63	66/161/61	64/159/62	62/157/60	60/155/54		
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/158/58	63/156/56	61/15				

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 1 3-Rail -- 72-Cell																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
30 psf	B	0 to 7	All Mounts	71/71/71	71/71/68	71/71/66	71/71/64	71/71/61	71/71/59	71/70/57	71/68/55	71/66/53	71/64/51	71/62/49	71/58/46	71/55/44	69/52/41		
		7 to 27	All Mounts	74/74/72	74/74/70	74/74/68	74/74/66	74/74/64	74/74/61	74/74/59	74/73/57	74/71/55	74/69/53	74/67/51	74/65/49	74/63/47	74/61/45	70/53/43	
		27 to 45	All Mounts	86/86/86	86/86/86	85/85/85	84/84/84	83/83/83	82/82/82	80/80/80	79/78/78	78/76/76	77/74/74	76/73/73	74/70/70	71/67/67	68/64/64	66/59/59	
		45 to 90	All Mounts	93/89/89	92/86/86	89/84/84	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	73/68/68	69/62/62	66/58/58	64/47/35	61/45/31	
		0 to 7	All Mounts	71/71/63	71/71/60	71/68/55	71/66/53	71/64/51	71/61/49	71/59/47	71/57/45	71/55/44	70/53/42	67/50/39	64/47/35	61/45/31	58/53/41	54/47/31	
	C	7 to 27	All Mounts	74/74/65	74/73/62	74/71/59	74/69/57	74/67/55	73/63/51	73/61/49	72/59/47	72/57/45	71/55/44	70/53/42	67/50/39	64/46/34	61/45/31	57/50/50	
		27 to 45	All Mounts	84/84/84	82/82/82	81/80/80	79/78/78	78/76/76	77/74/74	76/72/72	74/70/70	73/69/69	71/67/67	69/65/65	66/61/61	63/58/58	60/55/55	56/42/27	
		45 to 90	All Mounts	86/86/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/57/57	57/50/50	54/47/31	50/43/29	
		0 to 7	All Mounts	71/71/58	71/69/56	71/67/53	71/64/51	71/62/49	71/59/47	71/57/45	70/53/42	68/51/41	67/50/39	64/47/34	60/44/30	56/42/27	53/41/27	49/43/29	
		27 to 45	All Mounts	82/81/81	81/79/79	79/76/76	78/74/74	76/72/72	74/70/70	73/69/69	71/67/67	69/65/65	67/63/63	66/61/61	62/57/57	59/54/54	56/51/51	53/47/47	
35 psf	B	0 to 7	All Mounts	68/68/68	68/68/68	68/68/66	68/68/64	68/68/62	68/68/57	68/68/55	68/68/53	68/68/51	68/68/49	68/68/47	68/68/45	68/68/43	68/68/41	68/68/39	
		7 to 27	All Mounts	72/72/72	72/72/68	72/72/66	72/72/64	72/72/62	72/72/60	72/72/58	72/72/56	72/72/54	72/72/52	72/72/50	72/72/48	72/72/46	72/72/44	72/72/42	
		27 to 45	All Mounts	84/84/84	84/84/84	84/84/84	83/83/83	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/74/74	72/72/72	70/70/70	68/68/68	66/66/66	64/64/64
		45 to 90	All Mounts	93/89/89	92/86/86	89/84/84	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	75/69/69	72/66/66	69/62/62	66/58/58	63/54/54	60/50/50
		0 to 7	All Mounts	68/68/63	68/68/60	68/68/57	68/68/55	68/68/53	68/68/51	68/68/49	68/68/47	68/68/45	68/68/43	68/68/41	68/68/39	68/68/37	68/68/35	68/68/33	
	C	7 to 27	All Mounts	72/72/65	72/72/62	72/72/60	72/71/59	72/69/57	72/67/55	72/65/53	72/63/51	72/61/49	70/59/47	68/57/45	66/55/44	64/53/41	61/51/41	58/49/47	
		27 to 45	All Mounts	82/82/82	81/81/81	79/79/79	78/78/78	77/76/76	76/74/74	75/72/72	73/70/70	72/69/69	70/67/67	68/65/65	66/63/63	64/61/61	62/59/59	60/57/57	
		45 to 90	All Mounts	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/57/57	57/50/50	54/47/35	51/45/31	
		0 to 7	All Mounts	70/70/58	70/69/56	70/67/53	70/64/51	70/62/49	70/59/47	70/57/45	70/55/44	68/51/41	67/50/39	63/47/34	60/44/30	56/42/27	53/41/27	49/43/29	
		7 to 27	All Mounts	73/72/68	73/70/65	73/68/55	73/66/53	73/63/51	72/61/49	72/59/47	71/57/45	70/55/44	68/51/41	67/50/39	63/47/34	60/44/30	56/42/27	53/41/27	
40 psf	B	27 to 45	All Mounts	81/81/81	80/79/79	78/76/76	77/74/74	75/72/72	74/70/70	73/69/69	71/67/67	69/65/65	67/63/63	65/61/61	62/57/57	59/54/54	56/51/51	53/47/47	
		45 to 90	All Mounts	82/77/77	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	69/62/62	67/60/60	65/58/58	63/56/56	61/54/54	58/53/53	54/47/47	51/45/41	48/43/41	
		0 to 7	All Mounts	65/65/65	65/65/65	65/65/65	65/65/64	65/65/62	65/65/59	65/65/57	65/65/55	65/65/53	65/64/51	65/62/49	65/60/48	65/58/46	65/56/44	65/54/42	
		7 to 27	All Mounts	70/70/68	70/70/66	70/70/64	70/70/62	70/70/60	70/70/59	70/69/57	70/68/55	70/66/53	69/64/51	68/60/48	67/57/45	66/53/43	64/51/41	62/49/47	60/47/45
		27 to 45	All Mounts	83/83/83	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	77/77/77	76/76/76	74/74/74	72/72/72	70/70/70	68/68/68	66/66/66	64/64/64	
	C	7 to 27	All Mounts	93/89/89	92/86/86	89/84/84	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	75/69/69	72/66/66	69/62/62	66/58/58	63/54/54	
		27 to 45	All Mounts	65/65/63	65/65/60	65/65/57	65/65/55	65/65/53	65/65/51	65/65/49	65/65/47	65/65/45	65/65/43	65/65/41	65/65/39	64/47/35	61/45/31	58/49/47	
		45 to 90	All Mounts	70/70/65	70/70/62	70/70/59	70/69/57	70/67/55	70/65/53	70/63/51	69/61/49	68/59/47	67/57/45	66/55/44	65/53/42	63/51/41	61/49/38	59/47/35	
		0 to 7	All Mounts	81/81/81	80/78/78	78/76/76	77/74/74	76/72/72	75/74/74	74/72/72	73/70/70	72/69/69	70/67/67	68/65/65	66/63/63	64/61/61	62/59/59	60/57/57	
		27 to 45	All Mounts	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/57/57	57/50/50	54/47/35	51/45/31	
45 psf	B	0 to 7	All Mounts	67/67/58	67/67/56	67/67/53	67/64/51	67/63/49	67/61/47	67/59/45	67/56/43	67/53/42	67/51/41	67/50/39	67/47/34	67/45/33	67/43/31	67/41/29	
		7 to 27	All Mounts	71/71/60	71/70/58	71/68/55	71/66/53	71/63/51	71/61/49	70/59/47	69/57/45	68/55/44	68/53/42	68/51/41	67/49/38	67/47/35	67/45/33	67/43/31	
		27 to 45	All Mounts	80/80/80	78/78/76	77/76/76	76/74/74	75/72/72	73/70/70	72/69/69	70/67/67	68/65/65	68/63/63	68/61/61	67/59/57	67/57/55	67/55/53	67/53/51	
		45 to 90	All Mounts	82/62/62	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	69/62/62	67/60/60	65/58/58	63/56/56	61/54/54	58/52/50	56/50/50	54/48/48	52/46/46	
		0 to 7	All Mounts	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	
	C	7 to 27	All Mounts	93/89/89	92/86/86	89/84/84	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	75/69/69	72/66/66	69/62/62	66/58/58	63/54/54	
		27 to 45	All Mounts	67/67/65	67/67/62	67/67/59	67/67/57	67/67/55	67/67/53	67/67/51	67/67/49	67/67/47	67/67/45	67/67/43	67/67/41	67/67/39	67/67/37	67/67/35	
		45 to 90	All Mounts	79/79/79	78/78/78	77/77/77	76/76/76	75/75/75	74/74/74	73/72/72	72/70/70	71/69/69	69/67/67	68/65/65	67/63/63	66/61/61	65/59/59	64/57/57	
		0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	
		27 to 45	All Mounts	65/65/65	65/65/65	65/65/65	65/65/64	65/65/62	65/65/59	65/65/57	65/65/55	65/65/53	65/65/51	65/64/51	65/62/49	65/60/48	65/58/46	65/56/44	
50 psf	B	27 to 45	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77		
		45 to 90	All Mounts	93/89/89	92/86/86	89/84/84	87/81/81	85/79/79	83/77/77	81/75/75	79/73/73	78/72/72	76/70/70	75/69/69	72/66/66	69/62/62	66/58/58	63/54/54	
		0 to 7	All Mounts	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	59/59/59	
		27 to 45	All Mounts	65/65/65	65/65/62	65/65/59	65/65/57	65/65/55	65/65/53	65/65/52	65/65/51	65/65/49	65/65/47	65/65/45	65/65/43	65/65/41	65/65/39	65/65/37	
		45 to 90	All Mounts	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	71/71/77	
	C	7 to 27	All Mounts	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	67/60/60	63/57/57	57/50/50	54/47/35	51/45/31	
		27 to 45	All Mounts	65/65/58	65/65/56	65/65/53	65/64/51	65/62/49	65/59/47	65/57/45	65/55/44	65/53/42	65/51/41	63/47/34	60/44/30	56/42/27	53/41/27	49/43/29	
		45 to 90	All Mounts	70/70/60	70/70/58	70/68/55	70/66/53	69/63/51	69/61/49	68/59/47	67/57/45	66/55/44	65/53/42	63/48/37	62/45/33	59/43/29	56/41/27	53/39/27	
		0 to 7	All Mounts	79/79/79	77/77/77	76/76/76	75/74/74	74/74/74	73/73/73	72/72/72	71/71/71	69/69/69	67						

Maximum Rail Spans (Inches)

SnapNTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 2 3-Rail -- 72-Cell																	
Maximum Rail Spans (Inches)			Wind Speed ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
Ground Snow Load	Exposure Category	Panel Angle	Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
0 psf	B	0 to 7	All Mounts	88/166	88/178/60	88/172/3	88/172/3	88/172/46	87/68/43	84/63/40	82/59/37	80/55/34	78/51/32	76/48/30	73/42/26	69/37/23	62/33/21
		7 to 27	All Mounts	89/82/71	89/80/65	89/77/59	87/75/54	85/73/50	87/67/43	85/62/40	83/58/37	81/54/34	79/50/32	76/44/28	73/42/26	69/37/23	62/33/21
		27 to 45	All Mounts	90/90/90	90/90/90	90/90/90	87/85/85	85/83/82	83/80/80	81/76/78	79/76/76	78/74/74	76/72/73	75/71/71	72/63/63	68/56/56	61/50/50
		45 to 90	All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/60/60	68/53/53	61/47/47	54/42/42
		0 to 7	All Mounts	88/73/48	87/70/44	85/64/40	82/59/37	80/54/34	78/50/31	76/46/29	74/43/27	72/40/25	70/37/24	68/35/22	66/32/21	64/29/26	62/26/23
	C	7 to 27	All Mounts	88/74/52	88/68/43	88/72/47	85/62/40	83/57/37	80/53/34	78/49/32	76/45/29	74/43/27	72/39/25	70/36/24	68/33/21	66/30/27	64/27/24
		27 to 45	All Mounts	86/84/84	84/81/81	82/79/79	80/76/76	78/74/74	76/72/72	74/69/69	72/66/66	70/63/63	68/60/60	66/57/57	64/54/51	62/51/48	60/48/45
		45 to 90	All Mounts	87/79/79	86/74/74	84/71/71	82/66/66	80/63/63	78/59/59	76/55/55	74/51/51	72/47/47	70/44/44	68/41/41	66/38/38	64/35/35	62/32/32
		0 to 7	All Mounts	86/67/42	83/61/38	80/55/35	78/51/32	76/47/29	74/43/27	72/40/25	70/37/24	68/35/22	66/32/21	64/29/26	62/26/23	60/23/20	58/20/17
		7 to 27	All Mounts	89/70/45	86/64/41	83/58/37	81/54/34	79/49/32	77/46/29	75/43/27	73/40/25	71/37/24	69/34/22	67/31/20	65/28/18	63/25/16	61/22/14
5 psf	B	0 to 7	All Mounts	85/81/66	85/78/66	85/74/54	85/74/54	85/74/54	84/71/46	82/67/43	80/63/40	78/59/37	76/55/51	74/51/41	72/47/47	70/44/44	68/41/41
		7 to 27	All Mounts	89/82/71	89/80/65	89/77/59	87/75/54	85/73/50	87/67/43	85/62/40	83/58/37	81/54/34	79/50/32	76/44/28	73/42/26	69/37/23	62/33/21
		27 to 45	All Mounts	90/90/90	90/90/90	90/90/90	87/85/85	85/83/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/73	75/71/71	72/63/63	68/56/56	61/50/50
		45 to 90	All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/60/60	68/53/53	61/47/47	54/42/42
		0 to 7	All Mounts	88/73/48	87/70/44	85/64/40	82/59/37	80/54/34	78/50/31	76/46/29	74/43/27	72/40/25	70/37/24	68/35/22	66/32/21	64/29/26	62/26/23
	C	7 to 27	All Mounts	88/74/52	88/68/43	88/72/47	85/62/40	83/57/37	80/53/34	78/49/32	76/45/29	74/42/27	72/39/25	70/36/24	68/33/21	66/30/27	64/27/24
		27 to 45	All Mounts	86/84/84	84/81/81	82/79/79	80/76/76	78/74/74	76/72/72	74/69/69	72/66/66	70/63/63	68/60/60	66/57/57	64/54/51	62/51/48	60/48/45
		45 to 90	All Mounts	87/79/79	86/74/74	84/71/71	82/66/66	80/63/63	78/59/59	76/55/55	74/51/51	72/47/47	70/44/44	68/41/41	66/38/38	64/35/35	62/32/32
		0 to 7	All Mounts	86/67/42	83/61/38	80/55/35	78/51/32	76/47/29	74/43/27	72/40/25	70/37/24	68/35/22	66/32/21	64/29/26	62/26/23	60/23/20	58/20/17
		7 to 27	All Mounts	89/70/45	86/64/41	83/58/37	81/54/34	79/49/32	77/46/29	75/43/27	73/40/25	71/37/24	69/34/22	67/31/20	65/28/18	63/25/16	61/22/14
10 psf	B	0 to 7	All Mounts	81/75/75	78/73/73	76/70/70	74/64/64	73/59/59	71/55/55	69/51/51	67/47/47	65/43/43	63/39/39	61/35/35	59/31/31	57/27/27	55/23/23
		7 to 27	All Mounts	85/82/71	85/80/65	85/77/59	85/75/54	85/73/50	87/67/43	85/62/40	83/58/37	81/54/34	79/50/32	76/44/28	73/42/26	69/37/23	62/33/21
		27 to 45	All Mounts	90/90/90	90/90/90	90/90/90	87/85/85	85/83/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/73	75/71/71	72/63/63	68/56/56	61/50/50
		45 to 90	All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/60/60	68/53/53	61/47/47	54/42/42
		0 to 7	All Mounts	79/73/48	79/70/44	79/64/40	79/59/37	79/54/34	78/50/31	76/46/29	74/43/27	72/40/25	70/37/24	68/35/22	66/32/21	64/29/26	62/26/23
	C	7 to 27	All Mounts	85/74/52	85/72/47	85/68/43	85/62/40	83/57/37	80/53/34	78/49/32	76/45/29	74/43/27	72/39/25	70/36/24	68/33/21	66/30/27	64/27/24
		27 to 45	All Mounts	86/84/84	84/81/81	82/79/79	80/76/76	78/74/74	76/72/72	74/69/69	72/66/66	70/63/63	68/60/60	66/57/57	64/54/51	62/51/48	60/48/45
		45 to 90	All Mounts	87/79/79	86/76/38	79/65/35	78/51/32	76/47/29	74/43/27	72/40/25	70/37/23	68/33/20	66/29/19	64/25/17	62/21/15	60/17/11	58/13/07
		0 to 7	All Mounts	79/67/42	76/61/38	74/53/32	73/49/32	71/46/29	70/43/27	68/40/25	66/37/23	64/34/22	62/31/20	60/28/18	58/25/16	56/22/14	54/19/11
		7 to 27	All Mounts	86/70/45	86/64/41	83/58/37	81/54/34	79/49/32	77/46/29	75/43/27	73/40/25	71/37/24	69/34/22	67/31/20	65/28/18	63/25/16	61/22/14
15 psf	B	0 to 7	All Mounts	81/75/75	78/73/73	76/70/70	74/64/64	73/59/59	71/55/55	69/51/51	67/47/47	65/43/43	63/39/39	61/35/35	59/31/31	57/27/27	55/23/23
		7 to 27	All Mounts	85/80/80	84/78/78	84/76/76	84/74/74	84/72/72	84/70/70	84/68/43	84/66/43	84/64/43	84/62/43	84/60/43	84/58/43	84/56/43	84/54/43
		27 to 45	All Mounts	90/90/90	90/90/90	90/90/90	87/85/85	85/83/82	83/80/80	81/78/78	79/76/76	78/74/74	76/72/73	75/71/71	72/63/63	68/56/56	61/50/50
		45 to 90	All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/60/60	68/53/53	61/47/47	54/42/42
		0 to 7	All Mounts	84/73/48	84/70/44	84/64/40	84/59/37	84/54/34	84/50/31	84/46/29	84/42/27	84/38/25	84/34/22	84/30/20	84/26/18	84/22/16	84/18/14
	C	7 to 27	All Mounts	86/84/84	84/81/81	82/79/79	80/76/76	78/74/74	76/72/72	74/69/69	72/66/66	70/63/63	68/60/60	66/57/57	64/54/51	62/51/48	60/48/45
		27 to 45	All Mounts	84/79/79	82/76/76	82/74/74	82/72/72	82/70/70	82/68/43	82/66/43	82/64/43	82/62/43	82/60/43	82/58/43	82/56/43	82/54/43	82/52/43
		45 to 90	All Mounts	86/80/80	86/77/77	86/75/75	86/73/73	86/71/71	86/69/69	86/67/69	86/65/69	86/63/69	86/61/69	86/59/69	86/57/69	86/55/69	86/53/69
		0 to 7	All Mounts	81/75/75	78/73/73	76/70/70	74/64/64	73/59/59	71/55/55	69/51/51	67/47/47	65/43/43	63/39/39	61/35/35	59/31/31	57/27/27	55/23/23
		7 to 27	All Mounts	85/80/80	84/78/78	84/76/76	84/74/74	84/72/47	84/70/44	84/68/43	84/66/43	84/64/43	84/62/43	84/60/43	84/58/43	84/56/43	84/54/43
20 psf	B	0 to 7	All Mounts	70/70/66	70/70/60	70/70/55	70/70/50	70/70/46	70/68/43	70/66/43	70/64/43	70/62/43	70/60/43	70/58/43	70/56/43	70/54/43	70/52/43
		7 to 27	All Mounts	78/78/71	78/76/65	78/73/59	78/71/54	78/69/48	78/67/43	78/65/37	78/63/32	78/61/27	78/59/22	78/57/17	78/55/12	78/53/07	78/51/02
		27 to 45	All Mounts	88/88/88	88/88/88	88/87/87	88/86/85	88/84/82	88/83/80	88/81/78	88/79/76	88/77/74	88/75/72	88/73/70	88/71/68	88/69/66	88/67/64
		45 to 90	All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/60/60	68/56/56	61/50/50	54/42/42
		0 to 7	All Mounts	70/70/48	70/70/44	70/64/40	70/59/37	70/54/34	70/49/31	70/44/27	70/39/25	70/34/22	70/29/19	70/24/16	70/19/13	70/14/09	70/09/05
	C	7 to 27	All Mounts	78/74/52	78/72/47	78/68/43	78/62/40	78/57/37	78/53/34	78/49/31	78/45/29	78/41/27	78/37/25	78/33/23	78/29/21	78/25/19	78/21/17
		27 to 45	All Mounts	85/84/84	82/79/79	82/76/76	80/76/76	78/74/74	76/72/72	74/69/69	72/66/66	70/63/63	68/60/60	66/57/57	64/54/51	62/51/48	60/48/45
		45 to 90	All Mounts	84/79/79	82/76/76	80/74/74	78/72/72	76/69/69	74/63/63	72/59/59	70/55/55	68/51/51	66/47/47	64/43/43	62/39/39	60/35/35	58/31/31
		0 to 7	All Mounts	70/67/42	70/65/38	70/63/35	70/61/32	70/59/29	70/57/27	70/55/25	70/53/23	70/51/21	70/49/19	70/47/17	70/45/15	70/43/13	70/41/11
		7 to 27	All Mounts	82/70/45	80/64/41	79/58/37	78/54/34	77/49/32	76/45/29	75/41/27	74/37/25	73/33/23	72/29/21				

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 2 3-Rail -- 72-Cell

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 2 3-Rail -- 72-Cell																		
Maximum Rail Spans (Inches)			Wind Speed ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
Exposure Category	Ground Snow Load	Panel Angle	Roof Zone ->	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	27 to 45	45 to 90	0 to 7	7 to 27	
B	30 psf	All Mounts	69/69/66	69/69/66	69/69/55	69/69/50	69/68/43	69/68/40	69/59/37	69/59/34	69/51/32	69/48/30	69/42/26	69/37/23	62/33/21	1/2/3	1/2/3	
		All Mounts	72/72/71	72/72/65	72/72/59	72/72/54	72/71/46	72/71/43	72/58/37	72/58/34	72/50/32	72/47/30	72/41/28	70/39/25	69/35/23	62/33/21	1/2/3	
		All Mounts	84/84/84	84/84/84	82/82/82	82/82/82	81/81/81	80/80/80	78/78/78	78/76/76	77/74/74	75/73/73	74/71/71	72/63/63	68/56/56	61/50/50	54/42/42	
		All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/60/60	68/53/53	61/47/47	54/24/24	45/24/24	
		All Mounts	69/69/48	69/69/44	69/64/40	69/64/40	69/50/37	69/50/34	69/46/29	69/43/27	69/43/27	69/37/24	69/35/22	67/31/21	66/29/19	50/37/27	45/37/27	
C	30 psf	All Mounts	72/72/52	72/72/47	72/68/43	72/62/40	72/57/37	72/53/34	72/49/31	71/45/29	71/40/25	70/40/25	69/37/24	69/33/21	67/29/19	64/24/24	50/37/27	
		All Mounts	82/82/82	80/80/80	79/79/79	78/76/76	76/69/69	74/63/63	72/59/59	70/55/55	69/51/51	68/48/48	67/45/45	65/41/41	63/37/37	60/31/31	45/37/37	
		All Mounts	84/79/79	82/76/76	80/74/74	78/72/72	76/69/69	74/63/63	72/59/59	70/55/55	69/51/51	68/48/48	67/45/45	65/41/41	63/37/37	60/31/31	45/37/37	
		All Mounts	70/67/42	70/61/38	70/55/35	70/51/32	70/47/29	70/43/27	70/40/25	69/37/23	69/33/22	69/30/19	68/27/17	67/24/24	65/21/21	62/16/16	49/21/21	45/21/21
		All Mounts	74/70/45	74/64/41	74/58/37	74/54/34	73/49/32	73/46/29	72/42/27	71/39/25	71/37/24	71/34/22	71/31/22	69/28/18	67/25/16	64/21/21	61/18/18	58/15/15
D	35 psf	All Mounts	80/80/80	79/77/77	78/75/75	76/73/73	74/71/71	73/65/65	71/60/60	68/56/56	67/53/52	66/50/49	65/47/47	63/44/44	61/41/41	59/37/37	56/32/32	
		All Mounts	81/75/75	78/73/73	76/70/70	74/64/64	73/59/59	71/55/55	69/51/51	67/47/47	66/44/44	65/41/41	63/38/38	61/35/35	59/32/32	56/27/27	53/24/24	
		All Mounts	66/66/66	66/66/60	66/66/55	66/66/50	66/66/46	66/66/43	66/63/40	66/59/37	66/55/34	66/51/32	66/48/30	66/44/28	66/39/25	66/35/23	63/30/30	60/27/27
		All Mounts	70/70/65	70/70/60	70/70/55	70/70/50	70/67/43	70/67/43	70/58/37	70/54/34	70/54/34	70/50/32	70/46/28	70/42/24	70/38/20	70/34/16	67/30/22	64/26/26
		All Mounts	83/83/83	83/83/83	82/82/82	81/81/81	80/80/80	79/79/79	78/78/78	76/76/76	75/74/74	74/73/73	73/71/71	72/69/69	71/67/67	69/65/65	67/63/63	65/61/61
B	35 psf	All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/62/62	71/59/59	69/56/56	67/53/53	64/47/47	
		All Mounts	66/66/48	66/66/44	66/64/40	66/64/40	66/59/37	66/59/37	66/54/34	66/54/34	66/48/30	66/46/28	66/42/24	66/38/26	66/34/22	66/30/18	65/26/22	64/22/18
		All Mounts	80/80/80	79/79/79	78/78/78	77/76/76	76/76/76	75/74/74	74/74/74	72/72/72	70/70/70	68/68/68	67/65/65	66/62/62	65/59/59	64/56/56	63/53/53	61/50/50
		All Mounts	70/70/52	70/70/47	70/68/43	70/62/40	70/57/37	70/53/34	70/49/31	69/45/29	68/42/27	68/39/24	68/36/24	68/33/21	68/30/19	67/27/27	65/24/24	63/21/21
		All Mounts	80/74/74	80/74/74	78/72/72	76/72/72	75/74/74	74/74/74	72/72/72	70/70/70	68/68/68	67/65/65	66/62/62	65/59/59	64/56/56	63/53/53	61/50/50	59/26/26
C	35 psf	All Mounts	80/80/80	79/79/79	78/78/78	77/76/76	76/76/76	75/74/74	74/74/74	72/72/72	70/70/70	68/68/68	67/65/65	66/62/62	65/59/59	64/56/56	63/53/53	61/50/50
		All Mounts	68/68/68	68/68/65	68/68/59	68/68/54	68/68/50	68/68/46	68/67/43	68/62/40	68/58/37	68/54/34	68/50/32	68/46/28	68/42/25	68/38/23	68/34/20	68/30/17
		All Mounts	91/87/87	90/85/85	87/82/82	85/80/80	83/78/78	81/76/76	79/74/74	78/72/72	76/69/69	75/65/65	73/62/62	71/59/59	69/56/56	67/53/53	64/47/47	61/44/44
		All Mounts	63/63/48	63/63/44	63/63/40	63/63/36	63/63/32	63/63/28	63/63/24	63/63/20	63/63/16	63/63/12	63/63/08	63/63/04	63/63/00	63/63/00	63/63/00	63/63/00
		All Mounts	68/68/48	68/68/44	68/68/40	68/68/36	68/68/32	68/68/28	68/68/24	68/68/20	68/68/16	68/68/12	68/68/08	68/68/04	68/68/00	68/68/00	68/68/00	68/68/00
D	40 psf	All Mounts	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	
		All Mounts	84/79/79	82/76/76	80/74/74	78/72/72	76/69/69	74/63/63	72/59/59	70/55/55	69/51/51	68/48/48	67/45/45	65/42/42	64/39/39	63/36/36	61/33/33	59/30/30
		All Mounts	65/65/42	65/61/38	65/55/34	65/51/32	65/47/29	65/43/27	65/40/25	65/37/23	65/34/22	65/31/22	65/28/18	65/25/14	65/22/10	65/19/06	65/16/02	65/13/00
		All Mounts	70/70/45	70/70/40	70/68/43	70/62/40	70/57/37	70/53/34	70/49/31	69/45/29	68/42/27	68/39/24	68/36/24	68/33/21	68/30/19	67/27/27	65/24/24	63/21/21
		All Mounts	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78
B	45 psf	All Mounts	65/65/42	65/61/38	65/55/34	65/51/32	65/47/29	65/43/27	65/40/25	65/37/23	65/34/22	65/31/22	65/28/18	65/25/14	65/22/10	65/19/06	65/16/02	65/13/00
		All Mounts	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78
		All Mounts	60/60/48	60/60/44	60/60/40	60/60/37	60/54/34	60/50/31	60/46/29	60/43/27	60/40/25	60/37/24	60/34/22	60/31/22	60/28/18	60/25/16	60/22/14	60/19/12
		All Mounts	65/65/52	65/65/47	65/65/43	65/62/40	65/57/37	65/53/34	65/49/31	65/45/29	65/41/26	65/37/23	65/34/20	65/30/17	65/27/14	65/24/11	65/21/08	65/18/05
		All Mounts	78/78/78	77/77/77	75/75/75	74/74/74	73/73/73	72/72/72	71/71/71	70/70/70	69/69/69	68/68/68	67/67/67	66/66/66	65/65/65	64/64/64	63/63/63	62/62/62
C	45 psf	All Mounts	63/63/42	63/63/38	63/63/35	63/63/32	63/63/29	63/63/26	63/63/23	63/63/20	63/63/17	63/63/14	63/63/11	63/63/08	63/63/05	63/63/02	63/63/00	63/63/00
		All Mounts	68/68/45	68/68/41	68/68/37	68/64/34	68/60/31	68/56/28	68/52/25	68/48/22	68/44/19	68/40/16	68/36/13	68/32/10	68/28/07	68/24/04	68/20/01	68/16/00
		All Mounts	84/79/79	82/76/76	80/74/74	78/72/72	76/69/69	74/63/63	72/59/59	70/55/55	69/51/51	68/48/48	67/45/45	65/42/42	64/39/39	63/36/36	61/33/33	59/30/30
		All Mounts	60/60/45	60/60/41	60/60/37	60/60/33	60/59/30	60/55/26	60/51/22	60/47/18	60/43/14	60/39/10	60/35/06	60/31/02	60/27/00	60/23/00	60/19/00	60/15/00
		All Mounts	65/65/52	65/65/47	65/65/43	65/62/40	65/57/37	65/53/34	65/49/31	65/45/29	65/41/26	65/37/23	65/34/20	65/30/17	65/27/14	65/24/11	65/21/08	65/18/05
D	45 psf	All Mounts	78/78/78	77/77/77	75/75/75	74/74/74	73/73/73	72/72/72	71/71/71	70/70/70	69/69/69	68/68/68	67/67/67	66/66/66	65/65/65	64/64/64	63/63/63	62/62/62
		All Mounts	84/79/79	82/76/76	80/74/74	78/72/72	76/69/69	74/63/63	72/59/59	70/55/55	69/51/51	68/48/48	67/45/45	65/42/42	64/39/39	63/36/36	61/33/33	59/30/30
		All Mounts	63/63/42	63/63/38	63/63/35	63/63/32	63/63/29	63/63/26	63/63/23	63/63/20	63/63/17	63/63/14	63/63/11	63/63/08	63/63/05	63/63/02	63/63/00	63/63/00
		All Mounts	68/68/45	68/68/41	68/68/37	68/64/34	68/60/31	68/56/28	68/52/25	68/48/22	68/44/19	68/40/16	68/36/13	68/32/10	68/28/07	68/24/04	68/20/01	68/16/00
		All Mounts	84/79/79	82/76/76	80/74/74	78/72/72	76/69/69	74/63/63	72/59/59	70/55/55	69/51/51	68/48/48	67/45/45	65/42/42	64/39/39	63/36/36	61/33/33	59/30/30
B	50 psf	All Mounts	56/56/48	56/56/44	56/56/40	56/56/37	56/54/34	56/50/31	56/46/29	56/43/27	56/40/25	56/37/24	56/34/22	56/31/22	56/28/18	56/25/16	56/22/14	56/19/12
		All Mounts	63/63/52	63/63/47	63/63/43	63/62/40	63/57/37	63/53/34	63/49/31	63/45/29	63/41/27	63/37/24	63/33/21	63/29/19	63/25/17			

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)		SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 4 3-Rail -- 72-Ceill																				
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph					
0 psf	B	0 to 7	All Mounts	89/182/70	89/79/67	89/77/65	89/74/63	89/72/60	87/70/58	85/69/56	83/67/53	81/65/49	79/63/46	77/61/43	74/57/38	71/53/34	68/48/30	1/2/3				
		7 to 27	All Mounts	90/83/71	90/80/69	90/78/67	90/76/65	90/74/62	90/72/60	88/70/58	86/68/56	84/67/53	82/65/50	80/63/48	78/61/46	76/59/44	73/55/36	71/50/32	68/46/24			
		27 to 45	All Mounts	91/91/91	91/89/88	91/87/86	91/85/83	91/83/81	91/81/79	89/79/77	87/77/75	85/75/73	83/73/71	81/71/69	79/69/67	77/67/65	75/65/63	73/63/61	71/61/59			
		45 to 90	All Mounts	92/88/88	90/85/85	88/83/83	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60	64/58/58	62/56/54			
		0 to 7	All Mounts	89/73/61	88/71/59	88/69/56	88/67/54	88/65/52	88/63/50	86/61/48	84/59/46	82/57/44	80/55/42	78/53/40	76/51/38	74/49/36	72/47/34	70/45/32	68/43/30			
	C	7 to 27	All Mounts	90/75/64	89/70/58	88/68/56	87/66/53	86/64/50	85/62/48	84/60/46	83/58/44	82/56/42	81/54/40	80/52/38	79/50/36	78/48/34	77/46/32	76/44/30	75/42/28			
		27 to 45	All Mounts	86/84/84	84/83/82	82/79/79	80/77/77	79/75/75	78/73/73	77/71/71	76/69/69	75/67/67	74/65/65	73/63/63	72/61/61	71/59/59	70/57/57	69/55/55	68/53/53			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		0 to 7	All Mounts	88/70/57	87/69/56	84/67/54	82/65/49	79/62/46	77/60/42	75/57/39	73/54/34	71/51/31	69/48/34	67/45/31	65/42/28	63/39/25	61/36/22	59/33/19	57/30/16			
		7 to 27	All Mounts	90/71/59	87/69/56	84/67/54	82/65/49	79/62/46	77/60/42	75/57/39	73/54/34	71/51/31	69/48/34	67/45/31	65/42/28	63/39/25	61/36/22	59/33/19	57/30/16			
5 psf	B	27 to 45	All Mounts	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	73/69/69	71/65/65	69/63/63	68/61/61	67/59/59	66/57/57	65/55/55	64/53/53	63/51/51	62/49/49	61/47/47			
		0 to 7	All Mounts	86/82/70	86/79/67	86/77/65	86/74/63	86/72/62	86/70/60	85/68/58	84/66/56	83/64/54	82/62/52	81/60/50	80/58/48	79/56/46	78/54/44	77/52/42	76/50/40			
		27 to 45	All Mounts	91/91/91	90/88/88	90/86/88	90/84/88	90/82/82	90/80/80	89/78/78	88/76/76	87/74/74	86/72/72	85/70/70	84/68/68	83/66/66	82/64/64	81/62/62	80/60/60			
		45 to 90	All Mounts	92/88/88	90/85/85	88/83/83	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	76/70/70	74/68/68	72/66/66	70/64/64	68/62/62	66/60/60	64/58/58	62/56/54			
		0 to 7	All Mounts	89/73/61	88/71/59	88/69/56	87/67/53	86/65/49	85/63/45	84/61/41	83/59/37	82/57/33	81/55/29	80/53/25	79/51/21	78/49/17	77/47/15	76/45/13	75/43/11			
	C	7 to 27	All Mounts	90/71/59	87/69/56	84/67/54	82/65/49	79/62/46	77/60/42	75/57/39	73/54/34	71/51/31	69/48/34	67/45/31	65/42/28	63/39/25	61/36/22	59/33/19	57/30/16			
		27 to 45	All Mounts	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	73/69/69	71/65/65	69/63/63	68/61/61	67/59/59	66/57/57	65/55/55	64/53/53	63/51/51	62/49/49	61/47/47			
		45 to 90	All Mounts	81/76/76	79/73/73	77/71/71	75/69/69	73/67/67	71/65/65	69/63/63	68/61/61	67/59/59	66/57/57	65/55/55	64/53/53	63/51/51	62/49/49	61/47/47	60/45/43			
		0 to 7	All Mounts	79/79/70	79/79/67	79/77/65	79/74/63	79/72/60	79/70/58	79/69/56	79/67/53	79/65/49	79/63/46	79/61/43	79/59/49	79/57/45	79/55/41	79/53/37	79/51/33			
		7 to 27	All Mounts	86/83/71	86/80/69	86/78/67	86/76/65	86/74/62	86/72/60	86/70/58	86/68/56	86/66/54	86/64/52	86/62/50	86/60/48	86/58/46	86/56/44	86/54/42	86/52/40			
10 psf	B	27 to 45	All Mounts	91/91/91	90/88/88	90/86/88	90/84/88	90/82/82	90/80/80	89/78/78	88/76/76	87/74/74	86/72/72	85/70/70	84/68/68	83/66/66	82/64/64	81/62/62	80/60/60			
		0 to 7	All Mounts	89/73/61	88/71/59	88/69/56	87/67/53	86/65/49	85/63/45	84/61/41	83/59/37	82/57/33	81/55/29	80/53/25	79/51/21	78/49/17	77/47/15	76/45/13	75/43/11			
		27 to 45	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		0 to 7	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
	C	7 to 27	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		27 to 45	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		0 to 7	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		7 to 27	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
15 psf	B	27 to 45	All Mounts	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	73/69/69	71/65/65	69/63/63	68/61/61	67/59/59	66/57/57	65/55/55	64/53/53	63/51/51	62/49/49	61/47/47			
		0 to 7	All Mounts	86/84/84	84/83/82	82/79/79	80/77/77	79/75/75	78/73/73	77/71/71	76/69/69	75/67/67	74/65/65	73/63/63	72/61/61	71/59/59	70/57/57	69/55/55	68/53/53			
		27 to 45	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		0 to 7	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
	C	7 to 27	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		27 to 45	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		0 to 7	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		7 to 27	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
20 psf	B	27 to 45	All Mounts	83/80/80	81/78/78	79/75/75	77/73/73	75/71/71	73/69/69	71/65/65	69/63/63	68/61/61	67/59/59	66/57/57	65/55/55	64/53/53	63/51/51	62/49/49	61/47/47			
		0 to 7	All Mounts	86/84/84	84/83/82	82/79/79	80/77/77	79/75/75	78/73/73	77/71/71	76/69/69	75/67/67	74/65/65	73/63/63	72/61/61	71/59/59	70/57/57	69/55/55	68/53/53			
		27 to 45	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
		0 to 7	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	76/70/68	75/68/66	74/66/64	73/64/62	72/62/60	71/60/58	70/58/56	69/56/54	68/54/52	67/52/50	66/50/48			
	C	7 to 27	All Mounts	85/79/7																		

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 4-3-Rail -- 72-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed ->		Roof Zone ->															
			110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph				
30 psf	B	0 to 7	All Mounts	70/70/70	70/70/67	70/70/65	70/70/63	70/70/60	70/70/58	70/69/56	70/67/53	70/65/49	70/63/46	70/61/43	70/57/38	70/53/34	68/48/30			
		7 to 27	All Mounts	66/66/66	66/66/66	66/66/66	66/66/66	66/66/62	66/66/60	66/66/58	66/66/57	66/66/56	66/65/50	66/63/47	66/59/41	66/55/36	66/50/32			
		27 to 45	All Mounts	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/75/75	77/72/72	77/71/71	77/69/69	70/66/66			
		45 to 90	All Mounts	92/88/88	90/85/85	88/83/83	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	77/71/71	75/69/69	74/68/68	71/64/64	68/61/61	64/57/57			
		0 to 7	All Mounts	70/70/59	70/69/56	70/67/53	70/65/49	70/62/45	70/60/42	70/57/39	70/54/36	70/51/33	70/48/30	69/50/32	66/44/28	63/39/25	59/35/22			
35 psf	C	7 to 27	All Mounts	66/66/64	66/66/61	66/66/58	66/66/56	66/66/53	66/66/49	66/66/45	66/66/42	66/66/39	66/66/36	66/66/33	66/66/30	66/66/27	66/66/24			
		27 to 45	All Mounts	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/75/75	77/72/72	77/71/71	77/69/69	70/66/66			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	75/69/69	73/67/67	71/65/65	69/63/63	68/61/61	66/59/59	65/57/55	63/53/33	58/48/30			
		0 to 7	All Mounts	69/69/57	69/68/54	69/66/50	69/63/46	69/60/42	69/57/39	69/54/36	69/51/33	69/48/30	69/45/27	69/42/24	69/39/21	69/36/18	69/33/15			
		7 to 27	All Mounts	64/64/59	64/64/56	64/64/53	64/64/49	64/62/46	64/60/42	64/57/39	64/54/36	64/51/33	64/48/30	64/45/27	64/42/24	64/39/21	64/36/18			
40 psf	B	27 to 45	All Mounts	81/76/76	79/73/73	77/71/71	75/69/69	73/67/67	71/65/65	69/63/63	68/61/61	66/59/59	65/57/55	63/53/33	58/49/49	55/46/46	50/39/39			
		0 to 7	All Mounts	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63	63/63/63			
		7 to 27	All Mounts	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51	51/51/51			
		45 to 90	All Mounts	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61	61/61/61			
		0 to 7	All Mounts	92/88/88	90/85/85	88/83/83	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	77/71/71	75/69/69	74/68/68	71/64/64	68/61/61	64/57/57			
45 psf	C	7 to 27	All Mounts	63/63/57	63/63/54	63/63/50	63/63/46	63/63/42	63/63/38	63/63/34	63/63/30	63/63/26	63/63/22	63/63/18	63/63/14	63/63/10	63/63/06			
		27 to 45	All Mounts	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73			
		45 to 90	All Mounts	81/76/76	79/73/73	77/71/71	75/69/69	73/67/67	71/65/65	69/63/63	68/61/61	66/59/59	65/57/55	63/53/33	58/49/49	55/46/46	50/39/39			
		0 to 7	All Mounts	66/66/57	66/66/54	66/66/50	66/63/46	66/60/42	66/57/39	66/54/36	66/51/33	66/48/30	66/45/27	66/42/24	66/39/21	66/36/18	66/33/15			
		7 to 27	All Mounts	57/57/57	57/57/54	57/57/50	57/57/46	57/57/42	57/57/38	57/57/34	57/57/30	57/57/26	57/57/22	57/57/18	57/57/14	57/57/10	57/57/06			
50 psf	B	27 to 45	All Mounts	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67	67/67/67			
		0 to 7	All Mounts	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60	60/60/60			
		7 to 27	All Mounts	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44	44/44/44			
		45 to 90	All Mounts	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55	55/55/55			
		0 to 7	All Mounts	92/88/88	90/85/85	88/83/83	86/80/80	84/78/78	82/76/76	80/74/74	78/72/72	77/71/71	75/69/69	74/68/68	71/64/64	68/61/61	64/57/57			
60 psf	C	7 to 27	All Mounts	60/60/60	60/60/59	60/60/56	60/60/53	60/60/49	60/60/45	60/60/42	60/60/38	60/60/34	60/60/30	60/60/26	60/60/22	60/60/18	60/60/14			
		27 to 45	All Mounts	70/70/70	70/70/69	70/70/66	70/70/63	70/70/60	70/70/57	70/70/54	70/70/51	70/70/48	70/70/45	70/70/42	70/70/39	70/70/36	70/70/33			
		45 to 90	All Mounts	85/79/79	83/77/77	80/75/75	78/73/73	77/71/71	75/69/69	73/67/67	71/65/65	69/63/63	68/61/61	66/59/59	65/57/55	63/53/33	58/48/30			
		0 to 7	All Mounts	66/66/55	66/66/52	66/66/49	66/66/46	66/66/43	66/66/40	66/66/37	66/66/34	66/66/31	66/66/28	66/66/25	66/66/22	66/66/19	66/66/16			
		7 to 27	All Mounts	55/55/55	55/55/52	55/55/49	55/55/46	55/55/43	55/55/40	55/55/37	55/55/34	55/55/31	55/55/28	55/55/25	55/55/22	55/55/19	55/55/16			

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 5 3-Rail -- 72-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	Wind Speed (mph)																	
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph				
0 psf	B	0 to 7	All Mounts	90/183/71	90/180/68	90/178/66	90/175/64	90/173/61	88/171/58	86/170/54	84/168/50	82/166/47	80/164/44	78/162/41	75/157/36	72/151/32	69/145/29	66/139/25			
		7 to 27	All Mounts	91/184/72	91/182/70	91/179/68	91/177/66	91/175/64	89/173/61	87/171/58	85/169/54	83/167/51	81/165/48	79/163/45	77/161/42	74/154/34	72/148/31	70/142/27			
		27 to 45	All Mounts	92/192/92	92/189/89	92/187/86	92/185/84	92/183/81	89/181/78	87/179/75	85/177/72	83/175/69	81/173/66	79/171/63	77/169/60	74/162/52	72/156/48	69/150/45			
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	88/179/76	85/177/73	83/175/72	81/173/70	79/171/68	77/169/66	75/167/64	73/165/62	71/163/60	69/161/58	67/159/56	65/157/54		
		0 to 7	All Mounts	90/174/63	89/172/60	87/170/55	84/168/50	82/166/46	79/164/43	77/161/40	75/159/37	74/157/34	72/151/32	70/148/30	67/142/27	64/137/24	61/131/21	58/125/18			
	C	7 to 27	All Mounts	91/176/65	91/173/62	90/171/59	87/169/54	85/167/50	82/165/46	79/163/43	78/161/40	76/158/37	74/154/34	73/150/32	70/144/29	67/140/25	64/135/23	61/130/20	58/125/18		
		27 to 45	All Mounts	88/185/85	85/183/83	83/180/80	81/178/78	78/176/76	76/174/74	74/172/72	72/170/70	70/168/68	69/167/67	67/165/65	66/161/61	63/154/54	60/150/50	57/144/41	54/137/29		
		45 to 90	All Mounts	86/180/80	84/178/78	82/176/76	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/156/56	63/154/54	60/150/50	57/144/41	54/137/29		
		0 to 7	All Mounts	88/171/57	85/169/52	82/167/47	80/164/44	78/162/40	75/159/37	74/154/34	72/151/32	70/147/30	68/144/28	67/141/26	65/139/25	63/137/22	60/132/20	57/127/18	54/122/16		
		7 to 27	All Mounts	89/172/60	88/170/56	85/168/51	83/166/47	80/163/43	78/161/40	76/158/37	74/154/34	73/150/32	70/144/29	69/142/27	67/140/25	64/137/24	61/131/21	58/125/18	55/120/16		
5 psf	D	27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	69/165/63	67/163/61	65/161/59	63/159/61	61/157/59	59/149/49	56/143/37	53/137/25		
		45 to 90	All Mounts	82/171/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/156/56	63/153/53	59/147/47	53/141/41	47/137/37	43/127/21	40/117/09		
		0 to 7	All Mounts	87/183/71	87/180/68	87/183/66	87/181/66	87/183/64	87/181/61	86/179/54	84/177/50	82/175/46	80/173/42	78/171/38	76/169/34	74/167/30	72/165/26	70/163/22	68/161/18	66/159/14	
		7 to 27	All Mounts	88/184/72	87/182/70	85/179/68	83/177/66	81/175/64	79/173/62	77/171/60	75/169/58	73/167/54	71/165/50	69/163/46	67/161/42	64/157/38	62/161/34	60/159/30	58/157/26	56/155/22	
		27 to 45	All Mounts	92/192/92	92/186/86	91/189/84	89/187/82	87/185/80	85/183/78	83/181/76	81/179/74	79/177/72	77/175/70	75/173/68	73/171/66	71/169/64	69/167/62	67/165/60	65/163/56	63/161/52	
	B	7 to 27	All Mounts	87/184/72	87/181/69	87/184/68	87/182/66	87/184/64	87/182/62	87/180/60	86/178/58	85/176/56	83/174/52	81/172/48	79/170/44	77/168/40	75/166/36	73/164/32	71/162/28	69/160/24	
		27 to 45	All Mounts	93/189/89	92/186/86	91/189/84	89/187/82	87/185/80	85/183/78	83/181/76	81/179/74	79/177/72	77/175/70	75/173/68	73/171/66	71/169/64	69/167/62	67/165/60	65/163/56	63/161/52	
		45 to 90	All Mounts	87/170/55	84/168/50	82/166/46	79/164/43	78/161/40	76/158/37	74/154/34	72/151/32	70/148/30	67/142/27	64/137/24	61/131/21	58/125/18	55/120/16	52/115/12	49/110/10		
		0 to 7	All Mounts	91/176/65	90/174/63	87/172/60	84/168/50	82/166/46	79/164/43	78/161/40	76/158/37	74/154/34	73/150/32	70/144/29	69/142/27	67/140/25	64/137/24	61/131/21	58/125/18	55/120/16	
		7 to 27	All Mounts	88/171/57	85/169/52	82/167/47	80/164/44	78/162/40	75/159/37	74/154/34	72/151/32	70/147/30	68/144/28	67/141/26	65/139/25	63/137/22	60/132/20	57/127/18	54/122/16	51/117/06	
10 psf	C	27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	69/165/63	67/163/61	65/161/59	63/159/61	61/157/59	59/149/49	56/143/37	53/137/25		
		45 to 90	All Mounts	82/171/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/156/56	63/153/53	59/147/47	53/141/41	47/137/37	43/127/21	40/117/09	37/107/07	
		0 to 7	All Mounts	87/183/71	87/180/68	87/183/66	87/181/66	87/183/64	87/181/61	86/179/54	84/177/50	82/175/46	80/173/42	78/171/38	76/169/34	74/167/30	72/165/26	70/163/22	68/161/18	66/159/14	64/157/10
		7 to 27	All Mounts	88/184/72	87/182/70	85/179/68	83/177/66	81/175/64	79/173/62	77/171/60	75/169/58	73/167/54	71/165/50	69/163/46	67/161/42	64/157/38	62/161/34	60/159/30	58/157/26	56/155/22	54/153/18
		27 to 45	All Mounts	92/192/92	92/186/86	91/189/84	89/187/82	87/185/80	85/183/78	83/181/76	81/179/74	79/177/72	77/175/70	75/173/68	73/171/66	71/169/64	69/167/62	67/165/60	65/163/56	63/161/52	61/159/48
	D	7 to 27	All Mounts	87/184/72	87/181/69	87/184/68	87/182/66	87/184/64	87/182/62	87/180/60	86/178/58	85/176/56	83/174/52	81/172/48	79/170/44	77/168/40	75/166/36	73/164/32	71/162/28	69/160/24	67/158/20
		27 to 45	All Mounts	93/189/89	92/186/86	91/189/84	89/187/82	87/185/80	85/183/78	83/181/76	81/179/74	79/177/72	77/175/70	75/173/68	73/171/66	71/169/64	69/167/62	67/165/60	65/163/56	63/161/52	61/159/48
		45 to 90	All Mounts	87/170/55	84/168/50	82/166/46	79/164/43	78/161/40	76/158/37	74/154/34	72/151/32	70/148/30	67/142/27	64/137/24	61/131/21	58/125/18	55/120/16	52/115/12	49/110/10	46/105/08	
		0 to 7	All Mounts	91/176/65	90/174/63	87/172/60	84/168/50	82/166/46	79/164/43	78/161/40	76/158/37	74/154/34	73/150/32	70/144/29	69/142/27	67/140/25	64/137/24	61/131/21	58/125/18	55/120/16	52/115/12
		7 to 27	All Mounts	88/171/57	85/169/52	82/167/47	80/164/44	78/162/40	75/159/37	74/154/34	72/151/32	70/147/30	68/144/28	67/141/26	65/139/25	63/137/22	60/132/20	57/127/18	54/122/16	51/117/06	48/112/04
15 psf	B	27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/170/70	73/169/69	71/167/67	69/165/63	67/163/61	65/161/59	63/159/61	61/157/59	59/149/49	56/143/37	53/137/25		
		45 to 90	All Mounts	82/171/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	69/162/62	67/160/60	65/156/56	63/153/53	59/147/47	53/141/41	47/137/37	43/127/21	40/117/09	37/107/07	
		0 to 7	All Mounts	87/183/71	87/180/68	87/183/66	87/181/66	87/183/64	87/181/61	86/179/54	84/177/50	82/175/46	80/173/42	78/171/38	76/169/34	74/167/30	72/165/26	70/163/22	68/161/18	66/159/14	64/157/10
		7 to 27	All Mounts	88/184/72	87/182/70	85/179/68	83/177/66	81/175/64	79/173/62	77/171/60	75/169/58	73/167/54	71/165/50	69/163/46	67/161/42	64/157/38	62/161/34	60/159/30	58/157/26	56/155/22	54/153/18
		27 to 45	All Mounts	92/192/92	92/186/86	91/189/84	89/187/82	87/185/80	85/183/78	83/181/76	81/179/74	79/177/72	77/175/70	75/173/68	73/171/66	71/169/64	69/167/62	67/165/60	65/163/56	63/161/52	61/159/48
	C	7 to 27	All Mounts	87/184/72	87/181/69	87/184/68	87/182/66	87/184/64	87/182/62	87/180/60	86/178/58	85/176/56	83/174/52	81/172/48	79/170/44	77/168/40	75/166/36	73/164/32	71/162/28	69/160/24	67/158/20
		27 to 45	All Mounts	93/189/89	92/186/86	91/189/84	89/187/82	87/185/80	85/183/78	83/181/76	81/179/74	79/177/72	77/175/70	75/173/68	73/171/66	71/169/64	69/167/62	67/165/60	65/163/56	63/161/52	61/159/48
		45 to 90	All Mounts	87/170/55	84/168/50	82/166/46	79/164/43	78/161/40	76/158/37	74/154/34	72/151/32	70/148/30	67/142/27	64/137/24	61/131/21	58/125/18	55/120/16	52/115/12	49/110/10	46/105/08	
		0 to 7	All Mounts	91/176/65	90/174/63	87/172/60	84/168/50	82/166/46	79/164/43	78/161/40	76/158/37	74/154/34	73/150/32	70/144/29	69/142/27	67/140/25	64/137/24	61/131/21	58/125/18	55/120/16	52/115/12
		7 to 27	All Mounts	88/171/57	85/169/52	82/167/47	80/164/44	78/162/40	75/159/37	74/154/34	72/151/32	70/147/30	68/144/28	67/141/26	65/139/25	63/137/22	60/132/20	57/127/18	54/122/16	51/117/06	48/112/04
20 psf	D	27 to 45	All Mounts	84/181/81	82/179/79	80/176/76	78/174/74	76/172/72	74/												

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 6 3-Rail -- 72-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
0 psf	B	0 to 7	All Mounts	90/183/71	90/180/68	90/178/66	90/175/64	90/173/61	88/171/59	86/170/57	84/168/55	82/166/51	80/164/48	78/162/45	75/158/40	72/155/35	69/150/31	
		7 to 27	All Mounts	91/184/72	91/181/68	91/179/68	91/177/66	91/175/64	89/173/61	87/171/59	85/169/57	83/167/53	81/165/50	79/163/47	77/161/44	74/160/43	71/157/38	68/154/34
		27 to 45	All Mounts	92/192/92	92/190/89	92/188/87	92/186/85	92/184/84	90/182/80	88/180/78	86/178/76	84/176/74	82/174/72	80/172/70	78/170/68	76/168/66	74/166/62	71/163/57
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	93/179/79	91/177/77	89/175/75	87/173/73	85/171/70	83/169/67	81/167/64	79/165/61	77/163/57	75/161/53	72/158/40
		0 to 7	All Mounts	90/174/63	89/172/60	89/170/58	88/168/55	88/166/51	86/164/48	84/162/45	82/160/42	80/158/39	78/156/36	76/154/33	74/152/30	72/150/27	69/147/23	66/144/18
	C	7 to 27	All Mounts	91/176/65	91/173/62	90/171/59	89/169/57	88/167/54	86/165/51	84/163/48	82/161/45	80/159/42	78/157/39	76/155/36	74/153/33	72/151/30	69/148/27	66/145/22
		27 to 45	All Mounts	88/185/85	85/183/83	83/180/80	81/178/78	79/176/76	78/174/74	76/172/72	74/169/69	72/167/67	70/165/65	68/163/63	66/161/61	63/158/58	60/155/55	57/147/47
		45 to 90	All Mounts	86/180/80	84/178/78	82/176/76	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/60	66/158/58	64/156/56	61/153/53	58/150/51	55/147/45
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/52	80/164/48	78/162/44	76/159/41	74/157/38	72/155/35	70/153/30	68/151/29	66/149/26	63/146/23	60/143/20	57/140/17	54/137/13
		7 to 27	All Mounts	89/172/60	88/170/58	85/168/55	83/166/52	81/164/44	79/162/40	77/160/36	75/158/32	73/156/28	71/154/24	69/152/20	67/150/16	65/148/12	63/146/8	60/143/5
5 psf	B	0 to 7	All Mounts	87/183/71	87/180/68	87/178/66	87/175/64	87/173/61	85/171/59	83/169/57	81/167/53	79/165/50	77/163/47	75/161/44	73/159/41	71/157/38	68/154/34	
		7 to 27	All Mounts	88/184/72	87/182/70	87/180/68	87/177/66	87/175/64	85/173/61	83/171/59	81/169/57	79/167/53	77/165/50	75/163/47	73/161/44	71/159/41	69/157/38	66/154/34
		27 to 45	All Mounts	92/192/92	92/190/89	92/188/87	92/186/85	92/184/84	90/182/80	88/180/78	86/178/76	84/176/74	82/174/72	80/172/70	78/170/68	76/168/66	74/166/62	71/163/57
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	93/179/79	91/177/77	89/175/75	87/173/73	85/171/70	83/169/67	81/167/64	79/165/61	77/163/57	75/161/53	72/158/40
		0 to 7	All Mounts	91/184/72	91/182/70	91/179/68	91/176/65	91/173/64	89/171/61	87/169/57	85/167/53	83/165/50	81/163/47	79/161/43	77/159/39	75/157/35	73/155/31	71/153/27
	C	7 to 27	All Mounts	88/185/85	85/183/83	83/180/80	81/178/78	79/176/76	78/174/74	76/172/72	74/170/70	72/167/67	70/165/65	68/163/63	66/161/61	63/158/58	60/155/55	57/147/47
		27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/60	66/158/58	64/156/56	61/153/53	58/150/51	55/147/45	52/144/41	
		45 to 90	All Mounts	80/174/63	79/172/60	79/170/58	78/168/55	78/166/51	76/164/48	74/162/44	72/160/40	70/158/36	68/156/32	66/154/28	64/152/24	62/150/20	60/148/16	57/145/12
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/52	80/164/48	78/162/44	76/159/41	74/157/38	72/155/35	70/153/30	68/151/29	66/149/26	63/146/23	60/143/20	57/140/17	54/137/13
		7 to 27	All Mounts	89/172/60	88/170/58	85/168/55	83/166/52	81/164/44	79/162/40	77/160/36	75/158/32	73/156/28	71/154/24	69/152/20	67/150/16	65/148/12	63/146/8	60/143/5
10 psf	B	0 to 7	All Mounts	87/183/71	87/180/68	87/178/66	87/175/64	87/173/61	85/171/59	83/169/57	81/167/53	79/165/50	77/163/47	75/161/44	73/159/41	71/157/38	68/154/34	
		7 to 27	All Mounts	88/184/72	87/182/70	87/180/68	87/177/66	87/175/64	85/173/61	83/171/59	81/169/57	79/167/53	77/165/50	75/163/47	73/161/44	71/159/41	69/157/38	66/154/34
		27 to 45	All Mounts	92/192/92	92/190/89	92/188/87	92/186/85	92/184/84	90/182/80	88/180/78	86/178/76	84/176/74	82/174/72	80/172/70	78/170/68	76/168/66	74/166/62	71/163/57
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	93/179/79	91/177/77	89/175/75	87/173/73	85/171/70	83/169/67	81/167/64	79/165/61	77/163/57	75/161/53	72/158/40
		0 to 7	All Mounts	91/184/72	91/182/70	91/179/68	91/176/65	91/173/64	89/171/61	87/169/57	85/167/53	83/165/50	81/163/47	79/161/43	77/159/39	75/157/35	73/155/31	71/153/27
	C	7 to 27	All Mounts	88/185/85	85/183/83	83/180/80	81/178/78	79/176/76	78/174/74	76/172/72	74/170/70	72/167/67	70/165/65	68/163/63	66/161/61	63/158/58	60/155/55	57/147/47
		27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/60	66/158/58	64/156/56	61/153/53	58/150/51	55/147/45	52/144/41	
		45 to 90	All Mounts	80/174/63	79/172/60	79/170/58	78/168/55	78/166/51	76/164/48	74/162/44	72/160/40	70/158/36	68/156/32	66/154/28	64/152/24	62/150/20	60/148/16	57/145/12
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/52	80/164/48	78/162/44	76/159/41	74/157/38	72/155/35	70/153/30	68/151/29	66/149/26	63/146/23	60/143/20	57/140/17	54/137/13
		7 to 27	All Mounts	89/172/60	88/170/58	85/168/55	83/166/52	81/164/44	79/162/40	77/160/36	75/158/32	73/156/28	71/154/24	69/152/20	67/150/16	65/148/12	63/146/8	60/143/5
15 psf	B	0 to 7	All Mounts	87/183/71	87/180/68	87/178/66	87/175/64	87/173/61	85/171/59	83/169/57	81/167/53	79/165/50	77/163/47	75/161/44	73/159/41	71/157/38	68/154/34	
		7 to 27	All Mounts	88/184/72	87/182/70	87/180/68	87/177/66	87/175/64	85/173/61	83/171/59	81/169/57	79/167/53	77/165/50	75/163/47	73/161/44	71/159/41	69/157/38	66/154/34
		27 to 45	All Mounts	92/192/92	92/190/89	92/188/87	92/186/85	92/184/84	90/182/80	88/180/78	86/178/76	84/176/74	82/174/72	80/172/70	78/170/68	76/168/66	74/166/62	71/163/57
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	93/179/79	91/177/77	89/175/75	87/173/73	85/171/70	83/169/67	81/167/64	79/165/61	77/163/57	75/161/53	72/158/40
		0 to 7	All Mounts	91/184/72	91/182/70	91/179/68	91/176/65	91/173/64	89/171/61	87/169/57	85/167/53	83/165/50	81/163/47	79/161/43	77/159/39	75/157/35	73/155/31	71/153/27
	C	7 to 27	All Mounts	88/185/85	85/183/83	83/180/80	81/178/78	79/176/76	78/174/74	76/172/72	74/170/70	72/167/67	70/165/65	68/163/63	66/161/61	63/158/58	60/155/55	57/147/47
		27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/60	66/158/58	64/156/56	61/153/53	58/150/51	55/147/45	52/144/41	
		45 to 90	All Mounts	80/174/63	79/172/60	79/170/58	78/168/55	78/166/51	76/164/48	74/162/44	72/160/40	70/158/36	68/156/32	66/154/28	64/152/24	62/150/20	60/148/16	57/145/12
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/52	80/164/48	78/162/44	76/159/41	74/157/38	72/155/35	70/153/30	68/151/29	66/149/26	63/146/23	60/143/20	57/140/17	54/137/13
		7 to 27	All Mounts	89/172/60	88/170/58	85/168/55	83/166/52	81/164/44	79/162/40	77/160/36	75/158/32	73/156/28	71/154/24	69/152/20	67/150/16	65/148/12	63/146/8	60/143/5
20 psf	B	0 to 7	All Mounts	87/183/71	87/180/68	87/178/66	87/175/64	87/173/61	85/171/59	83/169/57	81/167/53	79/165/50	77/163/47	75/161/44	73/159/41	71/157/38	68/154/34	
		7 to 27	All Mounts	88/184/72	87/182/70	87/180/68	87/177/66	87/175/64	85/173/61	83/171/59	81/169/57	79/167/53	77/165/50	75/163/47	73/161/44	71/159/41	69/157/38	66/154/34
		27 to 45	All Mounts	92/192/92	92/190/89	92/188/87	92/186/85	92/184/84	90/182/80	88/180/78	86/178/76	84/176/74	82/174/72	80/172/70	78/170/68	76/168/66	74/166/62	71/163/57
		45 to 90	All Mounts	93/189/89	93/186/86	93/184/84	93/181/81	93/179/79	91/177/77	89/175/75	87/173/73	85/171/70	83/169/67	81/167/64	79/165/61	77/163/57	75/161/53	72/158/40
		0 to 7	All Mounts	91/184/72	91/182/70	91/179/68	91/176/65	91/173/64	89/171/61	87/169/57	85/167/53	83/165/50	81/163/47	79/161/43	77/159/39	75/157/35	73/155/31	71/153/27
	C	7 to 27	All Mounts	88/185/85	85/183/83	83/183												

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 8 3-Rail -- 72-Cell

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	Wind Speed (mph)																
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph			
0 psf	B	0 to 7	All Mounts	90/183/71	90/180/68	90/178/66	90/175/64	90/173/61	88/171/59	86/170/57	84/168/55	82/166/53	80/164/51	78/162/49	75/158/46	72/155/44	69/152/43			
		7 to 27	All Mounts	91/184/72	91/179/68	91/177/66	91/175/64	91/173/61	89/171/59	87/169/57	85/168/55	83/166/53	81/164/51	79/162/49	77/160/48	74/157/45	72/153/43			
		27 to 45	All Mounts	92/192/92	92/189/89	92/187/87	92/184/84	92/182/82	89/180/80	87/178/78	85/176/76	83/174/74	81/172/72	79/170/70	77/168/68	74/165/65	72/163/63			
		45 to 90	All Mounts	93/199/89	93/186/86	93/184/84	93/181/81	93/177/77	88/179/79	86/177/75	84/175/73	82/173/71	80/171/69	78/169/67	75/166/64	72/163/61	69/159/59			
		0 to 7	All Mounts	90/174/63	89/172/60	89/170/58	88/168/55	88/166/53	85/163/51	83/161/49	81/159/47	79/157/45	77/155/43	75/153/41	73/151/39	70/148/36	67/145/33			
	C	7 to 27	All Mounts	91/176/65	91/173/62	90/171/59	90/169/57	90/167/55	87/165/52	85/163/50	83/161/48	81/159/46	79/157/44	77/155/42	75/153/40	72/150/37	69/147/34			
		27 to 45	All Mounts	88/185/85	85/183/83	83/180/80	84/178/78	82/176/76	78/174/74	76/172/72	74/170/70	72/168/68	70/166/66	68/164/64	66/162/62	63/159/58	60/155/55			
		45 to 90	All Mounts	86/180/80	84/178/78	82/176/76	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	61/155/54	58/151/51			
		0 to 7	All Mounts	88/171/58	85/169/56	82/167/53	80/164/51	78/162/49	75/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35	64/142/33			
		7 to 27	All Mounts	89/172/60	88/170/58	85/168/55	83/166/53	80/163/51	78/161/49	76/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35			
5 psf	B	27 to 45	All Mounts	84/181/81	82/179/79	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50			
		0 to 7	All Mounts	83/183/71	81/180/68	81/178/66	81/175/64	81/173/61	80/171/59	79/169/57	78/167/55	77/165/53	76/163/51	75/161/49	74/159/47	73/157/45	72/155/44			
		27 to 45	All Mounts	92/192/92	92/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		45 to 90	All Mounts	93/199/89	93/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/53	80/164/51	78/162/49	75/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35	64/142/33			
	C	7 to 27	All Mounts	91/172/60	88/170/58	85/168/55	83/166/53	80/163/51	78/161/49	76/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35			
		27 to 45	All Mounts	84/181/81	82/179/79	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50			
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50	53/147/47			
		0 to 7	All Mounts	87/184/72	85/182/70	83/180/80	81/178/78	79/176/76	76/174/74	74/172/72	72/170/70	70/168/68	68/166/66	66/164/64	64/162/62	62/160/60	60/158/58			
		7 to 27	All Mounts	87/184/72	85/182/70	83/180/80	81/178/78	79/176/76	76/174/74	74/172/72	72/170/70	70/168/68	68/166/66	66/164/64	64/162/62	62/160/60	60/158/58			
10 psf	B	27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50	53/147/47			
		0 to 7	All Mounts	83/183/71	81/180/68	81/178/66	81/175/64	81/173/61	80/171/59	79/169/57	78/167/55	77/165/53	76/163/51	75/161/49	74/159/47	73/157/45	72/155/44			
		27 to 45	All Mounts	92/192/92	92/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		45 to 90	All Mounts	93/199/89	93/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/53	80/164/51	78/162/49	75/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35	64/142/33			
	C	7 to 27	All Mounts	91/172/60	88/170/58	85/168/55	83/166/53	80/163/51	78/161/49	76/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35			
		27 to 45	All Mounts	84/181/81	82/179/79	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50			
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50	53/147/47			
		0 to 7	All Mounts	87/184/72	85/182/70	83/180/80	81/178/78	79/176/76	76/174/74	74/172/72	72/170/70	70/168/68	68/166/66	66/164/64	64/162/62	62/160/60	60/158/58			
		7 to 27	All Mounts	87/184/72	85/182/70	83/180/80	81/178/78	79/176/76	76/174/74	74/172/72	72/170/70	70/168/68	68/166/66	66/164/64	64/162/62	62/160/60	60/158/58			
15 psf	B	27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50	53/147/47			
		0 to 7	All Mounts	83/183/71	81/180/68	81/178/66	81/175/64	81/173/61	80/171/59	79/169/57	78/167/55	77/165/53	76/163/51	75/161/49	74/159/47	73/157/45	72/155/44			
		27 to 45	All Mounts	92/192/92	92/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		45 to 90	All Mounts	93/199/89	93/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/53	80/164/51	78/162/49	75/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35	64/142/33			
	C	7 to 27	All Mounts	91/172/60	88/170/58	85/168/55	83/166/53	80/163/51	78/161/49	76/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35			
		27 to 45	All Mounts	84/181/81	82/179/79	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50			
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50	53/147/47			
		0 to 7	All Mounts	87/184/72	85/182/70	83/180/80	81/178/78	79/176/76	76/174/74	74/172/72	72/170/70	70/168/68	68/166/66	66/164/64	64/162/62	62/160/60	60/158/58			
		7 to 27	All Mounts	87/184/72	85/182/70	83/180/80	81/178/78	79/176/76	76/174/74	74/172/72	72/170/70	70/168/68	68/166/66	66/164/64	64/162/62	62/160/60	60/158/58			
20 psf	B	27 to 45	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50	53/147/47			
		0 to 7	All Mounts	83/183/71	81/180/68	81/178/66	81/175/64	81/173/61	80/171/59	79/169/57	78/167/55	77/165/53	76/163/51	75/161/49	74/159/47	73/157/45	72/155/44			
		27 to 45	All Mounts	92/192/92	92/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		45 to 90	All Mounts	93/199/89	93/186/86	91/184/84	91/181/81	91/177/77	88/180/80	86/178/78	84/176/76	82/174/74	80/172/72	78/170/70	76/168/68	74/166/66	72/164/64			
		0 to 7	All Mounts	87/171/58	85/169/56	82/167/53	80/164/51	78/162/49	75/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35	64/142/33			
	C	7 to 27	All Mounts	91/172/60	88/170/58	85/168/55	83/166/53	80/163/51	78/161/49	76/159/47	74/157/45	73/155/44	72/153/42	71/151/41	70/149/39	69/147/37	67/145/35			
		27 to 45	All Mounts	84/181/81	82/179/79	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	59/153/53	56/150/50			
		45 to 90	All Mounts	82/177/77	80/174/74	78/172/72	76/170/70	74/168/68	72/166/66	70/164/64	68/162/62	66/160/60	64/158/58	62/156/56	5					

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 8 3-Rail -- 72-Cell															
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph	
30 psf	B	0 to 7	All Mounts	71 / 71 / 71	71 / 71 / 68	71 / 71 / 66	71 / 71 / 64	71 / 71 / 61	71 / 71 / 59	71 / 70 / 57	71 / 68 / 55	71 / 66 / 53	71 / 64 / 51	71 / 62 / 49	71 / 58 / 46	71 / 55 / 44	69 / 52 / 43	
		7 to 27	All Mounts	74 / 74 / 72	74 / 74 / 70	74 / 74 / 68	74 / 74 / 66	74 / 74 / 64	74 / 74 / 62	74 / 74 / 60	74 / 69 / 57	74 / 66 / 55	74 / 64 / 53	74 / 62 / 51	73 / 60 / 48	72 / 57 / 45	70 / 53 / 43	
		27 to 45	All Mounts	86 / 86 / 86	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	80 / 80 / 80	79 / 78 / 78	78 / 76 / 76	77 / 74 / 74	76 / 73 / 73	74 / 70 / 70	71 / 67 / 67	68 / 64 / 64	
		45 to 90	All Mounts	93 / 89 / 89	92 / 88 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 68 / 68	69 / 62 / 62	66 / 59 / 59	66 / 59 / 59	
		0 to 7	All Mounts	71 / 71 / 63	71 / 71 / 60	71 / 70 / 57	71 / 68 / 55	71 / 66 / 53	71 / 64 / 51	71 / 61 / 49	71 / 59 / 47	71 / 57 / 45	71 / 55 / 44	70 / 53 / 42	67 / 50 / 40	64 / 47 / 38	61 / 46 / 37	
	C	7 to 27	All Mounts	84 / 84 / 65	84 / 73 / 62	84 / 71 / 59	84 / 69 / 57	83 / 67 / 55	82 / 65 / 52	81 / 63 / 51	79 / 61 / 49	72 / 59 / 47	72 / 57 / 45	70 / 53 / 42	67 / 50 / 40	64 / 47 / 38	61 / 46 / 37	
		27 to 45	All Mounts	84 / 84 / 84	82 / 82 / 82	81 / 80 / 80	79 / 78 / 78	78 / 76 / 76	77 / 74 / 74	76 / 72 / 72	74 / 70 / 70	73 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 58 / 58	
		45 to 90	All Mounts	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 57 / 57	57 / 50 / 50	57 / 50 / 50	
		0 to 7	All Mounts	71 / 71 / 58	71 / 69 / 56	71 / 67 / 53	71 / 64 / 51	71 / 62 / 49	71 / 59 / 47	71 / 57 / 45	70 / 53 / 42	68 / 51 / 41	67 / 50 / 39	66 / 48 / 39	63 / 47 / 36	59 / 43 / 34	56 / 42 / 33	
		7 to 27	All Mounts	76 / 72 / 60	76 / 70 / 58	76 / 68 / 55	76 / 66 / 53	76 / 63 / 51	76 / 61 / 49	74 / 61 / 49	73 / 60 / 58	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 58 / 58	59 / 54 / 54	
35 psf	B	0 to 7	All Mounts	82 / 81 / 81	81 / 79 / 79	79 / 76 / 76	78 / 74 / 74	76 / 72 / 72	74 / 70 / 70	73 / 69 / 69	68 / 68 / 68	67 / 67 / 67	66 / 66 / 66	65 / 65 / 65	64 / 64 / 64	63 / 63 / 63	62 / 62 / 62	
		27 to 45	All Mounts	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74
		45 to 90	All Mounts	93 / 89 / 89	92 / 88 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 68 / 68	69 / 62 / 62	66 / 59 / 59	66 / 59 / 59	66 / 59 / 59
		0 to 7	All Mounts	70 / 70 / 65	70 / 70 / 62	70 / 70 / 59	70 / 69 / 57	70 / 67 / 55	70 / 65 / 53	70 / 63 / 51	70 / 61 / 49	70 / 59 / 47	70 / 57 / 45	70 / 55 / 44	70 / 53 / 42	68 / 51 / 41	67 / 50 / 39	64 / 47 / 38
		7 to 27	All Mounts	81 / 81 / 81	80 / 79 / 79	78 / 76 / 76	77 / 74 / 74	75 / 72 / 72	74 / 70 / 70	73 / 69 / 69	71 / 67 / 67	70 / 65 / 65	68 / 63 / 63	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	56 / 51 / 51	
	C	27 to 45	All Mounts	82 / 77 / 77	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65
		45 to 90	All Mounts	83 / 83 / 83	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 74 / 74	74 / 73 / 73	73 / 72 / 72	72 / 71 / 71	71 / 70 / 70	70 / 69 / 69
		0 to 7	All Mounts	72 / 72 / 65	72 / 72 / 62	72 / 71 / 59	72 / 69 / 57	72 / 67 / 55	72 / 65 / 53	72 / 63 / 51	72 / 61 / 49	72 / 59 / 47	72 / 57 / 45	72 / 55 / 44	72 / 53 / 42	72 / 51 / 41	72 / 49 / 40	72 / 47 / 38
		27 to 45	All Mounts	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 57 / 57	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
		45 to 90	All Mounts	93 / 89 / 89	92 / 88 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 68 / 68	69 / 62 / 62	66 / 59 / 59	66 / 59 / 59	66 / 59 / 59
40 psf	B	0 to 7	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 64	65 / 65 / 64	65 / 65 / 63	65 / 65 / 62	65 / 65 / 61	65 / 65 / 60	65 / 65 / 59	65 / 65 / 58	65 / 65 / 57	65 / 65 / 56	65 / 65 / 55	65 / 65 / 54
		27 to 45	All Mounts	83 / 83 / 83	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 74 / 74	74 / 73 / 73	73 / 72 / 72	72 / 71 / 71	71 / 70 / 70	70 / 69 / 69
		45 to 90	All Mounts	93 / 89 / 89	92 / 88 / 86	89 / 84 / 84	87 / 81 / 81	85 / 79 / 79	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 72 / 72	76 / 70 / 70	73 / 68 / 68	69 / 62 / 62	66 / 59 / 59	66 / 59 / 59	66 / 59 / 59
		0 to 7	All Mounts	70 / 70 / 65	70 / 70 / 62	70 / 70 / 59	70 / 69 / 57	70 / 67 / 55	70 / 65 / 53	70 / 63 / 51	70 / 61 / 49	70 / 59 / 47	70 / 57 / 45	70 / 55 / 44	70 / 53 / 42	68 / 51 / 41	67 / 50 / 39	64 / 47 / 38
		7 to 27	All Mounts	81 / 81 / 81	80 / 79 / 79	78 / 76 / 76	77 / 74 / 74	75 / 72 / 72	74 / 70 / 70	73 / 69 / 69	71 / 67 / 67	70 / 65 / 65	68 / 63 / 63	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
	C	27 to 45	All Mounts	81 / 81 / 81	80 / 79 / 79	78 / 76 / 76	77 / 74 / 74	75 / 72 / 72	74 / 70 / 70	73 / 69 / 69	71 / 67 / 67	70 / 65 / 65	68 / 63 / 63	66 / 61 / 61	62 / 57 / 57	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
		45 to 90	All Mounts	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 57 / 57	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
		0 to 7	All Mounts	71 / 71 / 68	71 / 70 / 58	71 / 68 / 53	71 / 66 / 53	71 / 63 / 51	71 / 61 / 49	70 / 59 / 47	70 / 57 / 45	68 / 55 / 44	67 / 53 / 42	67 / 51 / 41	65 / 48 / 39	63 / 45 / 36	59 / 43 / 34	57 / 40 / 35
		27 to 45	All Mounts	80 / 80 / 80	78 / 78 / 78	77 / 76 / 76	76 / 74 / 74	75 / 72 / 72	74 / 70 / 70	72 / 68 / 68	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 58 / 58	63 / 56 / 56	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
		45 to 90	All Mounts	82 / 77 / 77	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	65 / 58 / 58	63 / 56 / 56	59 / 53 / 53	57 / 47 / 47	56 / 51 / 51	53 / 47 / 47
45 psf	B	0 to 7	All Mounts	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62	62 / 62 / 62
		27 to 45	All Mounts	67 / 67 / 67	67 / 67 / 67	67 / 67 / 67	67 / 67 / 66	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64	67 / 67 / 64
		45 to 90	All Mounts	81 / 81 / 81	81 / 81 / 81	80 / 80 / 80	80 / 80 / 80	79 / 79 / 79	78 / 78 / 78	77 / 77 / 77	76 / 76 / 76	75 / 75 / 75	74 / 74 / 74	73 / 73 / 73	72 / 72 / 72	71 / 71 / 71	70 / 70 / 70	69 / 69 / 69
		0 to 7	All Mounts	72 / 72 / 65	72 / 72 / 62	72 / 71 / 59	72 / 69 / 57	72 / 67 / 55	72 / 65 / 53	72 / 63 / 51	72 / 61 / 49	72 / 59 / 47	72 / 57 / 45	72 / 55 / 44	72 / 53 / 42	72 / 51 / 41	72 / 49 / 40	72 / 47 / 38
		27 to 45	All Mounts	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 57 / 57	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
	C	27 to 45	All Mounts	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79
		45 to 90	All Mounts	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	78 / 72 / 72	76 / 70 / 70	74 / 68 / 68	72 / 66 / 66	70 / 64 / 64	69 / 62 / 62	67 / 60 / 60	63 / 57 / 57	59 / 54 / 54	56 / 51 / 51	53 / 47 / 47
		0 to 7	All Mounts	65 / 65 / 58	65 / 65 / 56	65 / 65 / 53	65 / 65 / 51	65 / 62 / 49	65 / 62 / 47	65 / 59 / 47	65 / 59 / 45	65 / 55 / 44	65 / 53 / 42	65 / 51 / 41	63 / 48 / 39	62 / 57 / 45	59 / 43 / 34	56 / 51 / 51
		7 to 27	All Mounts	70 / 70 / 60	70 / 70 / 58	70 / 70 / 56	70 / 66 / 53	70 / 64 / 51	70 / 62 / 49	70 / 60 / 47	70 / 58 / 45	70 / 56 / 43	70 / 54 / 41	70 / 52 / 39	70 / 50 / 37	68 / 46 / 34	66 / 44 / 32	64 / 42 / 30
		45 to 90	All Mounts	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79
50 psf	B	0 to 7	All Mounts	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59	59 / 59 / 59
		27 to 45	All Mounts	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65	65 / 65 / 65
		45 to 90	All Mounts	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71	71 / 71 / 71
		0 to 7	All Mounts															

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 2 3-Rail -- Landscape

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof – Bin 2 3-Rail – Landscape																										
Ground Snow Load	Exposure Category	Panel Angle	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph													
Roof Zone ->			1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3	1 / 2 / 3													
B	0 to 7	All Mounts	84 / 84 / 84	84 / 84 / 82	84 / 84 / 79	84 / 84 / 77	84 / 84 / 75	84 / 84 / 73	84 / 83 / 71	84 / 81 / 67	84 / 79 / 63	84 / 78 / 59	84 / 76 / 55	84 / 73 / 49	84 / 68 / 43	83 / 61 / 39													
	7 to 27	All Mounts	88 / 88 / 87	88 / 88 / 84	88 / 88 / 79	88 / 88 / 77	88 / 88 / 75	88 / 85 / 73	88 / 83 / 71	88 / 81 / 68	88 / 79 / 63	88 / 77 / 59	88 / 73 / 52	88 / 68 / 47	85 / 60 / 42	84 / 64 / 42													
	27 to 45	All Mounts	103 / 103 / 103	103 / 103 / 103	102 / 102 / 102	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 93 / 93	94 / 91 / 91	92 / 89 / 89	91 / 87 / 87	88 / 83 / 83													
	45 to 90	All Mounts	112 / 107 / 107	110 / 103 / 103	107 / 100 / 100	104 / 97 / 97	102 / 95 / 95	99 / 92 / 92	97 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 79 / 79	82 / 76 / 76	79 / 73 / 73													
	0 to 7	All Mounts	84 / 84 / 76	84 / 84 / 74	84 / 84 / 72	84 / 81 / 68	84 / 79 / 62	84 / 77 / 58	84 / 75 / 53	84 / 73 / 50	84 / 69 / 43	84 / 64 / 41	83 / 57 / 36	81 / 51 / 34	75 / 45 / 28	74 / 48 / 31													
C	7 to 27	All Mounts	88 / 88 / 78	88 / 88 / 76	88 / 85 / 73	88 / 83 / 71	88 / 81 / 67	88 / 79 / 58	88 / 77 / 58	87 / 75 / 54	86 / 73 / 50	86 / 71 / 47	85 / 68 / 44	83 / 60 / 39	80 / 53 / 34	74 / 48 / 31													
	27 to 45	All Mounts	100 / 100 / 100	98 / 98 / 98	97 / 96 / 96	95 / 93 / 93	93 / 91 / 91	92 / 88 / 88	90 / 86 / 86	89 / 84 / 84	87 / 82 / 82	85 / 80 / 80	84 / 79 / 79	83 / 78 / 78	81 / 74 / 74	74 / 68 / 68													
	45 to 90	All Mounts	103 / 96 / 96	100 / 93 / 93	98 / 90 / 90	95 / 87 / 87	92 / 89 / 89	90 / 86 / 86	89 / 84 / 84	87 / 82 / 82	85 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 64 / 64													
	0 to 7	All Mounts	85 / 85 / 73	85 / 82 / 70	85 / 80 / 64	85 / 77 / 59	85 / 75 / 54	85 / 73 / 50	85 / 72 / 46	85 / 68 / 43	84 / 63 / 40	83 / 59 / 38	82 / 56 / 35	77 / 49 / 31	74 / 44 / 28	71 / 39 / 25													
	7 to 27	All Mounts	90 / 86 / 74	90 / 84 / 72	90 / 81 / 69	90 / 79 / 67	90 / 77 / 58	89 / 75 / 54	88 / 73 / 50	87 / 71 / 46	86 / 67 / 43	85 / 63 / 40	83 / 59 / 38	80 / 56 / 35	74 / 41 / 27	71 / 39 / 25													
D	27 to 45	All Mounts	98 / 97 / 97	97 / 94 / 94	95 / 91 / 91	93 / 89 / 89	91 / 86 / 86	89 / 84 / 84	87 / 82 / 82	85 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 63 / 63	64 / 50 / 50													
	45 to 90	All Mounts	99 / 92 / 92	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 63 / 63	64 / 50 / 50	64 / 50 / 50													
	0 to 7	All Mounts	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 75	77 / 77 / 73	77 / 77 / 71	77 / 77 / 67	77 / 77 / 63	77 / 77 / 59	77 / 77 / 55	77 / 73 / 49	74 / 63 / 63	71 / 61 / 39													
	7 to 27	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 79	81 / 81 / 77	81 / 81 / 75	81 / 81 / 73	81 / 81 / 71	81 / 81 / 69	81 / 81 / 67	81 / 81 / 65	81 / 81 / 63	81 / 81 / 61	81 / 79 / 77													
	45 to 90	All Mounts	112 / 107 / 107	110 / 103 / 103	107 / 100 / 100	104 / 97 / 97	102 / 95 / 95	99 / 92 / 92	97 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 79 / 79	82 / 76 / 76	79 / 73 / 73													
B	0 to 7	All Mounts	77 / 77 / 76	77 / 77 / 74	77 / 77 / 72	77 / 77 / 68	77 / 77 / 65	77 / 77 / 58	77 / 75 / 53	77 / 73 / 50	77 / 71 / 47	76 / 69 / 43	76 / 67 / 40	76 / 64 / 37	76 / 61 / 34	76 / 58 / 31													
	7 to 27	All Mounts	81 / 81 / 78	81 / 81 / 76	81 / 81 / 74	81 / 81 / 72	81 / 81 / 70	81 / 81 / 68	81 / 81 / 66	81 / 81 / 64	81 / 81 / 62	81 / 81 / 60	81 / 81 / 58	81 / 81 / 56	81 / 81 / 54	81 / 81 / 52													
	27 to 45	All Mounts	95 / 95 / 94	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	88 / 88 / 88	87 / 87 / 86	86 / 86 / 86	85 / 85 / 84	84 / 84 / 84	83 / 83 / 83	82 / 82 / 82	81 / 81 / 81	80 / 80 / 80													
	45 to 90	All Mounts	103 / 96 / 96	100 / 93 / 93	98 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 64 / 64	64 / 50 / 50													
	0 to 7	All Mounts	81 / 81 / 73	81 / 81 / 71	81 / 81 / 69	81 / 81 / 67	81 / 81 / 65	81 / 81 / 63	81 / 81 / 61	81 / 81 / 59	81 / 81 / 57	81 / 81 / 55	81 / 81 / 53	81 / 81 / 51	81 / 81 / 49	81 / 81 / 47													
D	7 to 27	All Mounts	86 / 86 / 74	86 / 84 / 72	86 / 81 / 69	86 / 79 / 67	86 / 77 / 58	84 / 75 / 54	84 / 73 / 50	83 / 71 / 46	82 / 67 / 43	82 / 63 / 40	82 / 59 / 38	80 / 56 / 35	77 / 49 / 31	74 / 41 / 27													
	27 to 45	All Mounts	96 / 96 / 96	94 / 94 / 94	92 / 91 / 91	91 / 89 / 89	89 / 86 / 86	88 / 84 / 84	86 / 82 / 82	85 / 80 / 80	83 / 78 / 78	81 / 76 / 76	80 / 75 / 75	76 / 72 / 72	73 / 66 / 66	71 / 59 / 59													
	45 to 90	All Mounts	99 / 92 / 92	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 63 / 63	64 / 50 / 50	64 / 50 / 50													
	0 to 7	All Mounts	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 77	77 / 77 / 75	77 / 77 / 73	77 / 77 / 71	77 / 77 / 67	77 / 77 / 63	77 / 77 / 59	77 / 77 / 55	77 / 73 / 49	74 / 63 / 63	71 / 61 / 39													
	7 to 27	All Mounts	81 / 81 / 81	81 / 81 / 81	81 / 81 / 81	81 / 81 / 79	81 / 81 / 77	81 / 81 / 75	81 / 81 / 73	81 / 81 / 71	81 / 81 / 69	81 / 81 / 67	81 / 81 / 65	81 / 81 / 63	81 / 81 / 61	81 / 79 / 77													
B	7 to 27	All Mounts	98 / 98 / 98	98 / 98 / 98	97 / 97 / 97	97 / 97 / 97	96 / 96 / 96	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86													
	27 to 45	All Mounts	112 / 107 / 107	110 / 103 / 103	107 / 100 / 100	104 / 97 / 97	102 / 95 / 95	99 / 92 / 92	97 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 79 / 79	82 / 76 / 76	79 / 73 / 73													
	45 to 90	All Mounts	112 / 107 / 107	110 / 103 / 103	107 / 100 / 100	104 / 97 / 97	102 / 95 / 95	99 / 92 / 92	97 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 79 / 79	82 / 76 / 76	79 / 73 / 73													
	0 to 7	All Mounts	77 / 77 / 76	77 / 77 / 74	77 / 77 / 72	77 / 77 / 68	77 / 77 / 65	77 / 77 / 58	77 / 75 / 53	77 / 73 / 50	77 / 71 / 47	76 / 69 / 43	76 / 67 / 40	76 / 64 / 37	76 / 61 / 34	76 / 58 / 31													
	7 to 27	All Mounts	81 / 81 / 78	81 / 81 / 76	81 / 81 / 74	81 / 81 / 72	81 / 81 / 70	81 / 81 / 68	81 / 81 / 66	81 / 81 / 64	81 / 81 / 62	81 / 81 / 60	81 / 81 / 58	81 / 81 / 56	81 / 81 / 54	81 / 81 / 52													
C	7 to 27	All Mounts	95 / 95 / 94	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	88 / 88 / 88	87 / 87 / 86	86 / 86 / 86	85 / 82 / 82	84 / 80 / 80	83 / 80 / 80	82 / 78 / 78	81 / 74 / 74	74 / 68 / 68													
	27 to 45	All Mounts	103 / 96 / 96	100 / 93 / 93	98 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 64 / 64	64 / 50 / 50													
	45 to 90	All Mounts	103 / 96 / 96	100 / 93 / 93	98 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 64 / 64	64 / 50 / 50													
	0 to 7	All Mounts	79 / 79 / 73	79 / 79 / 70	79 / 79 / 64	79 / 79 / 59	79 / 75 / 54	79 / 73 / 50	79 / 72 / 46	79 / 68 / 43	79 / 63 / 40	79 / 59 / 38	79 / 56 / 35	77 / 49 / 31	74 / 44 / 28	71 / 39 / 25													
	7 to 27	All Mounts	83 / 83 / 74	83 / 83 / 72	83 / 81 / 69	83 / 79 / 67	83 / 77 / 58	82 / 75 / 54	82 / 73 / 50	81 / 71 / 46	80 / 63 / 40	80 / 59 / 38	78 / 52 / 33	76 / 36 / 30	74 / 12 / 27	71 / 12 / 27													
D	27 to 45	All Mounts	94 / 94 / 94	93 / 93 / 93	91 / 91 / 91	90 / 89 / 89	88 / 86 / 86	87 / 84 / 84	85 / 82 / 82	84 / 80 / 80	83 / 78 / 78	81 / 76 / 76	80 / 75 / 75	76 / 72 / 72	73 / 66 / 66	71 / 59 / 59													
	45 to 90	All Mounts	99 / 92 / 92	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 63 / 63	64 / 50 / 50	64 / 50 / 50													
	0 to 7	All Mounts	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74	74 / 74 / 74													
	7 to 27	All Mounts	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79	79 / 79 / 79													
	45 to 90	All Mounts	96 / 96 / 96	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 89 / 89	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 85 / 85	84 / 84 / 84													
B	7 to 27	All Mounts	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	88 / 88 / 88	87 / 87 / 87	86 / 86 / 86	85 / 84 / 84	84 / 82 / 82	83 / 80 / 80	81 / 79 / 79	79 / 75 / 75	74 / 68 / 68	71 / 57 / 57													
	27 to 45	All Mounts	103 / 96 / 96	100 / 93 / 93	98 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 64 / 64	64 / 50 / 50													
	45 to 90	All Mounts	103 / 96 / 96	100 / 93 / 93	98 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	77 / 71 / 71	74 / 64 / 64	64 / 50 / 50													
	0 to 7	All Mounts	77 / 77 / 73	77 / 77 / 70	77 / 77 / 64	77 / 77 / 59	77 / 75 / 54	77 / 73 / 50	77 / 72 / 46	77 / 68 / 43	77 / 63 / 40	77 / 59 / 38	77 / 56 / 35	77 / 49 / 31	74 / 44 / 28	71 / 39 / 25													
	7 to 27	All Mounts	82 / 82 / 74	82 / 82 / 72	82 / 81 / 69	82 / 80 / 67	81 / 77 / 58	81 / 75 / 54	80 / 73 / 50	80 / 69 / 43	80 / 65 / 40	80 / 61 / 38	79 / 57 / 36	77 / 52 / 33	75 / 46 / 30	74 / 12 / 27													
D	27 to 45	All Mounts	93 / 93 / 93	92 / 92 / 92	90 / 90 / 90	89 / 89 / 89	87 / 86 / 86	86 / 84 / 84	85 / 83 / 83	84 / 82 / 82	83 / 80 / 80	81 / 79 / 79	79 / 75 / 75	74 / 63 / 63	64 / 50 / 50	64 / 50 / 50													
	45 to 90	All Mounts	99 / 92 / 92	96 / 89 / 89	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 80 / 80	84 / 78 / 78	82 / 76 / 76	80 / 74 / 74	79 / 72 / 72	77 / 71 / 71	74 / 63 / 63	64 / 50 / 50	64 / 50 / 50													
	0 to 7	All Mounts	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75	75 / 75 / 75													
	7 to 27	All Mounts	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93	93 / 93 / 93													
	45 to 90	All Mounts	112 / 107 / 107	110 / 103 / 103	107 / 100 / 100	104 / 97 / 97	102 / 95 / 95	99 / 92 / 92	97 / 90 / 90	95 / 88 / 88	93 / 86 / 86	91 / 84 / 84	89 / 82 / 82	86 / 79 / 79	82 / 76 / 76	79 / 73 / 73													
B	0 to 7	All Mounts	70 / 70 / 70	70 / 70 / 70	70 / 70 / 70	70 / 70 / 68	70 / 70 / 67	70 / 70 / 66	70 / 70 / 65	70 / 70 / 64	70 / 70 / 63	70 / 70 / 62	70 / 70 / 61	70 / 70 / 60	70 / 70 / 59	70 / 70 / 58													
	7 to 27</																												

[illegible]

Maximum Rail Spans (Inches)

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 3 3-Rail -- Landscape

Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
				110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph
0 psf	B	0 to 7	All Mounts	112 / 103 / 88	112 / 94 / 80	112 / 84 / 80	112 / 74 / 83	110 / 86 / 76	107 / 87 / 74	104 / 85 / 73	102 / 83 / 69	100 / 83 / 64	97 / 79 / 60	93 / 76 / 53	89 / 73 / 47	86 / 67 / 42	
		7 to 27	All Mounts	113 / 105 / 90	113 / 102 / 87	113 / 99 / 85	113 / 96 / 82	113 / 93 / 80	113 / 91 / 78	110 / 89 / 76	107 / 87 / 74	104 / 85 / 73	102 / 83 / 69	100 / 83 / 64	97 / 79 / 60	93 / 76 / 53	89 / 73 / 47
		27 to 45	All Mounts	115 / 115 / 115	115 / 115 / 115	113 / 111 / 111	110 / 108 / 108	108 / 105 / 105	106 / 102 / 102	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	91 / 81 / 79	88 / 78 / 78
		45 to 90	All Mounts	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	91 / 81 / 79	88 / 78 / 78	85 / 76 / 76
		0 to 7	All Mounts	112 / 93 / 79	111 / 90 / 77	108 / 87 / 75	105 / 85 / 73	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31	
	C	7 to 27	All Mounts	113 / 94 / 81	113 / 91 / 79	108 / 86 / 74	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31	
		27 to 45	All Mounts	109 / 106 / 106	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	77 / 73 / 73	
		45 to 90	All Mounts	107 / 100 / 100	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	77 / 73 / 73	
		0 to 7	All Mounts	109 / 88 / 76	109 / 81 / 64	107 / 78 / 59	104 / 76 / 55	102 / 75 / 51	99 / 83 / 69	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 69 / 44	86 / 64 / 42	83 / 57 / 37	
		7 to 27	All Mounts	113 / 90 / 77	109 / 87 / 75	106 / 85 / 73	103 / 83 / 70	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31	
5 psf	B	27 to 45	All Mounts	105 / 101 / 91	102 / 98 / 98	100 / 95 / 95	97 / 93 / 93	95 / 90 / 90	93 / 88 / 88	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	76 / 72 / 72	
		45 to 90	All Mounts	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64	
		0 to 7	All Mounts	109 / 87 / 75	106 / 85 / 73	103 / 83 / 70	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		7 to 27	All Mounts	113 / 102 / 87	113 / 95 / 85	110 / 87 / 82	107 / 84 / 78	104 / 80 / 64	101 / 79 / 79	98 / 79 / 79	95 / 91 / 91	92 / 87 / 87	90 / 83 / 83	88 / 76 / 76	86 / 74 / 64	83 / 71 / 61	
		45 to 90	All Mounts	115 / 115 / 115	111 / 104 / 104	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	91 / 81 / 79	88 / 78 / 78	
	C	7 to 27	All Mounts	108 / 94 / 81	108 / 91 / 79	108 / 89 / 77	108 / 86 / 74	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31
		27 to 45	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64
		45 to 90	All Mounts	107 / 100 / 100	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	78 / 67 / 67	
		0 to 7	All Mounts	109 / 88 / 76	106 / 86 / 73	102 / 83 / 70	99 / 81 / 64	97 / 78 / 59	94 / 76 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		7 to 27	All Mounts	113 / 90 / 77	109 / 87 / 75	106 / 85 / 73	103 / 82 / 68	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 69 / 44	86 / 64 / 42	83 / 57 / 37	74 / 43 / 27	
10 psf	C	27 to 45	All Mounts	108 / 94 / 81	108 / 91 / 79	108 / 89 / 77	108 / 86 / 74	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31
		45 to 90	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64
		0 to 7	All Mounts	107 / 100 / 100	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	78 / 67 / 67	
		7 to 27	All Mounts	108 / 87 / 75	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 59	94 / 76 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		45 to 90	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	78 / 67 / 67		
	D	7 to 27	All Mounts	108 / 94 / 81	108 / 91 / 79	108 / 89 / 77	108 / 86 / 74	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31
		27 to 45	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64
		45 to 90	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	78 / 67 / 67		
		0 to 7	All Mounts	109 / 88 / 76	106 / 86 / 73	102 / 83 / 70	99 / 81 / 64	97 / 78 / 59	94 / 76 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		7 to 27	All Mounts	113 / 90 / 77	109 / 87 / 75	106 / 85 / 73	103 / 82 / 68	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 69 / 44	86 / 64 / 42	83 / 57 / 37	74 / 43 / 27	
15 psf	B	27 to 45	All Mounts	105 / 101 / 91	102 / 98 / 98	100 / 95 / 95	97 / 93 / 93	95 / 90 / 90	93 / 88 / 88	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	76 / 72 / 72	
		45 to 90	All Mounts	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64	
		0 to 7	All Mounts	109 / 87 / 75	106 / 85 / 73	103 / 83 / 70	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		7 to 27	All Mounts	113 / 102 / 87	113 / 95 / 85	110 / 87 / 82	107 / 84 / 78	104 / 80 / 64	101 / 79 / 79	98 / 79 / 79	95 / 91 / 91	92 / 87 / 87	90 / 83 / 83	88 / 76 / 76	86 / 74 / 64	83 / 71 / 61	
		45 to 90	All Mounts	115 / 115 / 115	111 / 104 / 104	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	91 / 81 / 79	88 / 76 / 76	
	C	7 to 27	All Mounts	108 / 94 / 81	108 / 91 / 79	108 / 89 / 77	108 / 86 / 74	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31
		27 to 45	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64
		45 to 90	All Mounts	106 / 103 / 103	104 / 100 / 100	101 / 97 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	81 / 74 / 74	78 / 67 / 67		
		0 to 7	All Mounts	109 / 88 / 76	106 / 86 / 73	102 / 83 / 70	99 / 81 / 64	97 / 78 / 59	94 / 76 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		7 to 27	All Mounts	113 / 90 / 77	109 / 87 / 75	106 / 85 / 73	103 / 82 / 68	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 69 / 44	86 / 64 / 42	83 / 57 / 37	74 / 43 / 27	
20 psf	B	27 to 45	All Mounts	105 / 101 / 91	102 / 98 / 98	100 / 95 / 95	97 / 93 / 93	95 / 90 / 90	93 / 88 / 88	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	76 / 72 / 72	
		45 to 90	All Mounts	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 64 / 64	
		0 to 7	All Mounts	109 / 87 / 75	106 / 85 / 73	103 / 83 / 70	100 / 80 / 64	97 / 78 / 59	94 / 73 / 47	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55 / 35	78 / 49 / 31		
		7 to 27	All Mounts	113 / 102 / 87	113 / 95 / 85	110 / 87 / 82	107 / 84 / 78	104 / 80 / 64	101 / 79 / 79	98 / 79 / 79	95 / 91 / 91	92 / 87 / 87	90 / 83 / 83	88 / 76 / 76	86 / 74 / 64	83 / 71 / 61	
		45 to 90	All Mounts	115 / 115 / 115	111 / 104 / 104	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	91 / 81 / 79	88 / 76 / 76	
	C	7 to 27	All Mounts	108 / 94 / 81	108 / 91 / 79	108 / 89 / 77	108 / 86 / 74	105 / 84 / 72	102 / 82 / 68	99 / 80 / 63	96 / 78 / 55	92 / 75 / 51	90 / 73 / 48	88 / 70 / 45	84 / 62 / 39	81 / 55	

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 3 3-Rail -- Landscape

Maximum Rail Spans (Inches)			Wind Speed -> Roof Zone ->																				
Ground Snow Load	Exposure Category	Panel Angle	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph							
B	All Mounts	0 to 7	88 / 88 / 88	88 / 88 / 83	88 / 88 / 80	88 / 88 / 78	88 / 88 / 76	88 / 87 / 74	88 / 85 / 73	88 / 83 / 69	88 / 81 / 64	88 / 79 / 60	88 / 76 / 53	88 / 73 / 47	86 / 67 / 42								
		7 to 27	107 / 107 / 107	107 / 107 / 107	106 / 106 / 106	105 / 105 / 105	103 / 103 / 103	102 / 102 / 102	100 / 99 / 99	99 / 97 / 97	97 / 94 / 93	95 / 91 / 91	92 / 87 / 87	92 / 87 / 87	91 / 87 / 81	88 / 80 / 80							
		27 to 45	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 79						
		0 to 7	88 / 88 / 79	88 / 88 / 75	88 / 87 / 73	88 / 86 / 70	88 / 84 / 68	88 / 82 / 68	88 / 80 / 64	88 / 78 / 59	88 / 76 / 55	88 / 74 / 51	88 / 72 / 48	88 / 70 / 44	88 / 68 / 44	88 / 66 / 40	88 / 64 / 36						
		7 to 27	104 / 104 / 104	102 / 102 / 102	101 / 100 / 100	99 / 97 / 97	97 / 94 / 94	96 / 92 / 92	94 / 90 / 90	93 / 88 / 88	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	77 / 73 / 73						
C	All Mounts	27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	109 / 109 / 109	89 / 86 / 73	89 / 83 / 70	89 / 81 / 64	89 / 78 / 59	89 / 76 / 55	89 / 74 / 51	89 / 72 / 48	88 / 69 / 44	88 / 65 / 41	87 / 64 / 34	83 / 57 / 37	80 / 51 / 33	74 / 43 / 27							
		7 to 27	104 / 104 / 104	101 / 98 / 98	99 / 95 / 95	97 / 93 / 93	95 / 90 / 90	93 / 88 / 88	91 / 85 / 85	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	76 / 72 / 72	74 / 64 / 64							
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
B	All Mounts	27 to 45	105 / 105 / 105	105 / 105 / 105	104 / 104 / 104	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		0 to 7	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		7 to 27	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	87 / 86 / 73	87 / 83 / 70	87 / 81 / 64	87 / 78 / 59	87 / 76 / 55	87 / 74 / 51	87 / 72 / 48	86 / 73 / 47	86 / 70 / 44	85 / 65 / 41	83 / 61 / 39	80 / 54 / 34	74 / 48 / 30							
C	All Mounts	27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		0 to 7	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		7 to 27	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	87 / 86 / 73	87 / 83 / 70	87 / 81 / 64	87 / 78 / 59	87 / 76 / 55	87 / 74 / 51	87 / 72 / 48	86 / 73 / 47	86 / 70 / 44	85 / 65 / 41	83 / 61 / 39	80 / 54 / 34	74 / 48 / 30							
B	All Mounts	27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		0 to 7	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		7 to 27	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	87 / 86 / 73	87 / 83 / 70	87 / 81 / 64	87 / 78 / 59	87 / 76 / 55	87 / 74 / 51	87 / 72 / 48	86 / 73 / 47	86 / 70 / 44	85 / 65 / 41	83 / 61 / 39	80 / 54 / 34	74 / 48 / 30							
C	All Mounts	27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		0 to 7	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		7 to 27	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	87 / 86 / 73	87 / 83 / 70	87 / 81 / 64	87 / 78 / 59	87 / 76 / 55	87 / 74 / 51	87 / 72 / 48	86 / 73 / 47	86 / 70 / 44	85 / 65 / 41	83 / 61 / 39	80 / 54 / 34	74 / 48 / 30							
D	All Mounts	27 to 45	101 / 101 / 101	99 / 98 / 98	97 / 95 / 95	96 / 93 / 93	94 / 90 / 90	92 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	76 / 72 / 72	74 / 64 / 64							
		0 to 7	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	95 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 61 / 61	70 / 55 / 55							
		7 to 27	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		27 to 45	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		0 to 7	110 / 110 / 110	89 / 88 / 76	89 / 83 / 70	89 / 81 / 64	89 / 78 / 59	89 / 76 / 55	89 / 74 / 51	89 / 72 / 48	88 / 69 / 44	88 / 65 / 41	87 / 64 / 34	83 / 57 / 37	80 / 51 / 33	74 / 43 / 27							
B	All Mounts	27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		0 to 7	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		7 to 27	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	87 / 86 / 73	87 / 83 / 70	87 / 81 / 64	87 / 78 / 59	87 / 76 / 55	87 / 74 / 51	87 / 72 / 48	86 / 73 / 47	86 / 70 / 44	85 / 65 / 41	83 / 61 / 39	80 / 54 / 34	74 / 48 / 30							
C	All Mounts	27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		0 to 7	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		7 to 27	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		27 to 45	107 / 107 / 107	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	81 / 70 / 70	75 / 63 / 63								
		0 to 7	110 / 110 / 110	87 / 86 / 73	87 / 83 / 70	87 / 81 / 64	87 / 78 / 59	87 / 76 / 55	87 / 74 / 51	87 / 72 / 48	86 / 73 / 47	86 / 70 / 44	85 / 65 / 41	83 / 61 / 39	80 / 54 / 34	74 / 48 / 30							
D	All Mounts	27 to 45	101 / 101 / 101	99 / 98 / 98	97 / 95 / 95	96 / 93 / 93	94 / 90 / 90	92 / 88 / 88	91 / 86 / 86	89 / 83 / 83	87 / 81 / 81	85 / 80 / 80	83 / 78 / 78	80 / 75 / 75	76 / 72 / 72	74 / 64 / 64							
		0 to 7	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	95 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 71 / 77	82 / 75 / 75	80 / 74 / 74	77 / 69 / 69	74 / 61 / 61	70 / 55 / 55							
		7 to 27	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 91 / 91	90 / 87 / 87	89 / 86 / 86	88 / 80 / 80							
		27 to 45	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 82 / 82	92 / 82 / 82	91 / 87 / 81	86 / 79 / 76						
		0 to 7	110 / 110 / 110	89 / 88 / 76	89 / 83 / 70	89 / 81 / 64	89 / 78 / 59	89 / 76 / 55	89 / 74 / 51	89 / 72 / 48	88 / 69 / 44	88 / 65 / 41	87 / 64 / 34	83 / 57 / 37	80 / 51 / 33	74 / 43 / 27							
B	All Mounts	27 to 45	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103																	

SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 4 3-Rail -- Landscape

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 4-3-Rail -- Landscape																								
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph										
30 psf	B	0 to 7	All Mounts	86 / 86 / 86	86 / 86 / 83	86 / 86 / 81	86 / 86 / 78	86 / 86 / 76	86 / 86 / 74	86 / 84 / 72	86 / 82 / 71	86 / 80 / 69	86 / 79 / 67	86 / 77 / 66	86 / 74 / 62	86 / 71 / 58	84 / 68 / 55	81 / 2 / 3									
		7 to 27	All Mounts	90 / 90 / 88	90 / 90 / 85	90 / 90 / 83	90 / 90 / 80	90 / 90 / 78	90 / 88 / 76	90 / 86 / 74	90 / 84 / 72	90 / 80 / 69	90 / 82 / 71	90 / 80 / 69	90 / 82 / 71	90 / 80 / 69	90 / 82 / 71	90 / 80 / 69	88 / 78 / 67								
		27 to 45	All Mounts	105 / 105 / 105	105 / 105 / 105	104 / 104 / 104	102 / 102 / 102	101 / 101 / 101	99 / 99 / 99	98 / 97 / 97	96 / 95 / 95	95 / 92 / 92	94 / 90 / 90	92 / 88 / 88	89 / 85 / 85	86 / 81 / 81	86 / 70 / 57	86 / 70 / 57	86 / 70 / 57								
		45 to 90	All Mounts	113 / 108 / 108	111 / 105 / 105	108 / 102 / 102	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	91 / 83 / 83	87 / 80 / 80	83 / 77 / 77	80 / 74 / 74	80 / 74 / 74	80 / 74 / 74								
		0 to 7	All Mounts	86 / 86 / 77	86 / 86 / 75	86 / 85 / 73	86 / 86 / 77	86 / 86 / 76	86 / 86 / 75	86 / 86 / 67	86 / 84 / 63	86 / 83 / 63	86 / 81 / 59	82 / 67 / 52	82 / 67 / 52	79 / 63 / 47	76 / 60 / 42	76 / 60 / 42	76 / 60 / 42								
	C	7 to 27	All Mounts	90 / 90 / 79	90 / 89 / 77	90 / 86 / 75	90 / 84 / 72	90 / 80 / 69	90 / 80 / 69	89 / 78 / 67	88 / 76 / 65	87 / 74 / 63	86 / 71 / 59	86 / 71 / 59	86 / 71 / 59	86 / 68 / 50	78 / 61 / 45	78 / 61 / 45	78 / 61 / 45								
		27 to 45	All Mounts	101 / 101 / 101	100 / 100 / 100	98 / 97 / 97	96 / 95 / 95	95 / 92 / 92	93 / 90 / 90	92 / 87 / 87	90 / 85 / 85	88 / 83 / 83	86 / 81 / 81	86 / 71 / 59	81 / 76 / 76	78 / 73 / 73	75 / 71 / 71	75 / 71 / 71	75 / 71 / 71								
		45 to 90	All Mounts	104 / 98 / 98	102 / 95 / 95	99 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	85 / 79 / 79	84 / 77 / 77	82 / 75 / 75	78 / 72 / 72	75 / 69 / 69	73 / 67 / 67	73 / 67 / 67	73 / 67 / 67								
		0 to 7	All Mounts	86 / 86 / 74	86 / 83 / 71	86 / 81 / 69	86 / 79 / 67	86 / 76 / 65	86 / 74 / 63	86 / 73 / 63	86 / 71 / 58	85 / 69 / 56	83 / 68 / 55	83 / 68 / 55	83 / 68 / 55	83 / 68 / 55	83 / 68 / 55	83 / 68 / 55	83 / 68 / 55								
		7 to 27	All Mounts	92 / 88 / 75	92 / 85 / 73	92 / 82 / 71	92 / 80 / 69	91 / 78 / 67	90 / 76 / 65	89 / 74 / 63	88 / 72 / 61	88 / 71 / 59	86 / 69 / 57	84 / 67 / 55	83 / 64 / 49	81 / 60 / 44	78 / 57 / 39	78 / 57 / 39	78 / 57 / 39								
35 psf	D	27 to 45	All Mounts	100 / 99 / 99	98 / 96 / 96	96 / 93 / 93	94 / 90 / 90	92 / 88 / 88	90 / 85 / 85	88 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63									
		45 to 90	All Mounts	100 / 93 / 93	97 / 90 / 90	95 / 87 / 87	93 / 87 / 87	91 / 81 / 81	88 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	69 / 63 / 63	69 / 63 / 63								
		0 to 7	All Mounts	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 78	83 / 83 / 74	83 / 83 / 72	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71	83 / 82 / 71								
		7 to 27	All Mounts	87 / 87 / 87	87 / 87 / 85	87 / 87 / 83	87 / 87 / 80	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 86 / 72	87 / 86 / 69	87 / 80 / 69	87 / 78 / 68	86 / 75 / 64	84 / 72 / 61	83 / 70 / 57	83 / 70 / 57	83 / 70 / 57								
		27 to 45	All Mounts	103 / 103 / 103	101 / 105 / 105	106 / 102 / 102	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	91 / 83 / 83	87 / 80 / 80	83 / 77 / 77	80 / 74 / 74	80 / 74 / 74	80 / 74 / 74								
	B	0 to 7	All Mounts	83 / 83 / 77	83 / 83 / 75	83 / 83 / 73	83 / 83 / 73	83 / 83 / 69	83 / 83 / 67	83 / 83 / 63	83 / 83 / 63	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59								
		7 to 27	All Mounts	87 / 87 / 79	87 / 87 / 77	87 / 86 / 75	87 / 86 / 75	87 / 86 / 75	87 / 86 / 75	87 / 86 / 67	86 / 76 / 65	85 / 74 / 63	84 / 72 / 61	84 / 71 / 59	83 / 68 / 55	81 / 65 / 47	76 / 60 / 42	76 / 60 / 42	76 / 60 / 42								
		27 to 45	All Mounts	100 / 100 / 100	98 / 98 / 98	96 / 96 / 96	95 / 95 / 95	93 / 92 / 92	92 / 90 / 90	90 / 87 / 87	89 / 85 / 85	88 / 83 / 83	86 / 81 / 81	85 / 80 / 80	81 / 76 / 76	78 / 73 / 73	75 / 71 / 71	75 / 71 / 71	75 / 71 / 71								
		45 to 90	All Mounts	104 / 98 / 98	102 / 95 / 95	99 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	85 / 79 / 79	84 / 77 / 77	82 / 75 / 75	78 / 72 / 72	75 / 69 / 69	73 / 67 / 67	73 / 67 / 67	73 / 67 / 67								
		0 to 7	All Mounts	85 / 85 / 85	85 / 85 / 83	85 / 85 / 83	85 / 85 / 80	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 84 / 72	85 / 82 / 71	85 / 80 / 69	84 / 78 / 68	83 / 75 / 64	82 / 72 / 61	81 / 70 / 57	81 / 70 / 57	81 / 70 / 57								
40 psf	C	27 to 45	All Mounts	101 / 101 / 101	101 / 101 / 101	106 / 102 / 102	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	91 / 83 / 83	87 / 80 / 80	83 / 77 / 77	80 / 74 / 74	80 / 74 / 74									
		45 to 90	All Mounts	113 / 108 / 108	111 / 105 / 105	108 / 102 / 102	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	91 / 83 / 83	87 / 80 / 80	83 / 77 / 77	80 / 74 / 74	80 / 74 / 74									
		0 to 7	All Mounts	80 / 80 / 77	80 / 80 / 75	80 / 80 / 73	80 / 80 / 73	80 / 80 / 69	80 / 80 / 67	80 / 80 / 63	80 / 80 / 63	80 / 80 / 59	80 / 80 / 59	80 / 80 / 59	80 / 80 / 59	80 / 80 / 59	80 / 80 / 59	80 / 80 / 59	80 / 80 / 59								
		7 to 27	All Mounts	85 / 85 / 77	85 / 85 / 75	85 / 84 / 72	85 / 84 / 72	85 / 80 / 69	84 / 78 / 67	84 / 76 / 65	83 / 74 / 63	82 / 72 / 61	82 / 71 / 59	81 / 68 / 55	79 / 63 / 47	76 / 60 / 42	76 / 60 / 42	76 / 60 / 42	76 / 60 / 42								
		27 to 45	All Mounts	98 / 98 / 98	96 / 96 / 96	95 / 95 / 95	93 / 92 / 92	92 / 90 / 90	90 / 87 / 87	89 / 85 / 85	88 / 83 / 83	86 / 81 / 81	85 / 80 / 80	81 / 76 / 76	78 / 73 / 73	75 / 71 / 71	75 / 71 / 71	75 / 71 / 71	75 / 71 / 71								
	D	45 to 90	All Mounts	104 / 98 / 98	102 / 95 / 95	99 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	85 / 79 / 79	84 / 77 / 77	82 / 75 / 75	78 / 72 / 72	75 / 69 / 69	73 / 67 / 67	73 / 67 / 67	73 / 67 / 67								
		0 to 7	All Mounts	83 / 83 / 74	83 / 83 / 73	83 / 83 / 69	83 / 83 / 67	83 / 83 / 63	83 / 83 / 63	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59	83 / 83 / 59								
		7 to 27	All Mounts	87 / 87 / 75	87 / 87 / 73	87 / 87 / 71	87 / 87 / 69	87 / 87 / 67	86 / 76 / 65	85 / 74 / 63	84 / 72 / 61	83 / 71 / 58	82 / 67 / 55	81 / 64 / 49	77 / 60 / 44	75 / 57 / 39	75 / 57 / 39	75 / 57 / 39	75 / 57 / 39								
		27 to 45	All Mounts	100 / 93 / 93	97 / 90 / 90	95 / 87 / 87	93 / 87 / 87	91 / 81 / 81	88 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	69 / 63 / 63	69 / 63 / 63								
		45 to 90	All Mounts	100 / 93 / 93	97 / 90 / 90	95 / 87 / 87	93 / 87 / 87	91 / 81 / 81	88 / 81 / 81	85 / 79 / 79	83 / 77 / 77	82 / 75 / 75	80 / 73 / 73	78 / 72 / 72	75 / 69 / 69	72 / 66 / 66	69 / 63 / 63	69 / 63 / 63	69 / 63 / 63								
45 psf	B	0 to 7	All Mounts	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78	78 / 78 / 78									
		7 to 27	All Mounts	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82	82 / 82 / 82								
		27 to 45	All Mounts	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99	99 / 99 / 99								
		45 to 90	All Mounts	113 / 108 / 108	111 / 105 / 105	108 / 102 / 102	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	91 / 83 / 83	87 / 80 / 80	83 / 77 / 77	80 / 74 / 74	80 / 74 / 74	80 / 74 / 74								
		0 to 7	All Mounts	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75	78 / 78 / 75								
	C	7 to 27	All Mounts	82 / 82 / 79	82 / 82 / 77	82 / 82 / 75	82 / 82 / 75	82 / 82 / 71	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69	82 / 80 / 69								
		27 to 45	All Mounts	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94	94 / 94 / 94								
		45 to 90	All Mounts	104 / 98 / 98	102 / 95 / 95	99 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	85 / 79 / 79	84 / 77 / 77	82 / 75 / 75	78 / 72 / 72	75 / 69 / 69	73 / 67 / 67	73 / 67 / 67	73 / 67 / 67								
		0 to 7	All Mounts	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74	80 / 80 / 74								
		7 to 27	All Mounts	85 / 85 / 75	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 / 85 / 73	85 /								

Maximum Rail Spans (Inches)				SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof – Bin 5 3-Rail – Landscape																	
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed > Roof Zone >	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph				
30 psf	B	0 to 7° All Mounts	1/2/3	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88	88/88/88			
		7 to 27° All Mounts	92/92/90	92/92/87	92/92/85	92/92/82	92/92/80	92/92/78	92/92/76	92/92/74	92/92/72	92/92/70	92/92/68	92/92/66	92/92/64	92/92/62	92/92/60	92/92/58			
		27 to 45° All Mounts	107/107/107	107/107/107	106/106/106	105/105/105	104/104/104	103/103/103	102/102/102	100/99/99	99/97/97	98/96/96	97/95/95	96/94/94	95/93/93	94/92/92	93/91/91	92/90/90			
		45 to 90° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54	76/47/47	73/40/40	70/33/33		
		0 to 7° All Mounts	88/88/79	88/88/77	88/88/75	88/88/73	88/88/71	88/88/69	88/88/67	88/88/65	88/88/63	88/88/61	88/88/59	88/88/57	88/88/55	88/88/53	88/88/51	88/88/49	88/88/47		
		7 to 27° All Mounts	92/92/81	92/92/79	92/92/77	92/92/75	92/92/73	92/92/71	92/92/69	92/92/67	92/92/65	92/92/63	92/92/61	92/92/59	92/92/57	92/92/55	92/92/53	92/92/51	92/92/49		
		27 to 45° All Mounts	104/104/104	104/104/102	104/104/100	104/104/98	104/104/96	104/104/94	104/104/92	104/104/90	104/104/88	104/104/86	104/104/84	104/104/82	104/104/80	104/104/78	104/104/76	104/104/74	104/104/72		
		45 to 90° All Mounts	107/107/100	107/107/97	107/107/94	107/107/91	107/107/88	107/107/85	107/107/82	107/107/79	107/107/76	107/107/73	107/107/70	107/107/67	107/107/64	107/107/61	107/107/58	107/107/55	107/107/52		
		0 to 7° All Mounts	89/88/76	89/88/73	89/88/71	89/88/69	89/88/67	89/88/65	89/88/63	89/88/61	89/88/59	89/88/57	89/88/55	89/88/53	89/88/51	89/88/49	89/88/47	89/88/45	89/88/43		
		7 to 27° All Mounts	94/94/75	94/94/73	94/94/71	94/94/69	94/94/67	94/94/65	94/94/63	94/94/61	94/94/59	94/94/57	94/94/55	94/94/53	94/94/51	94/94/49	94/94/47	94/94/45	94/94/43		
35 psf	C	0 to 7° All Mounts	102/101/101	102/101/98	102/101/95	102/101/92	102/101/90	102/101/88	102/101/86	102/101/84	102/101/82	102/101/80	102/101/78	102/101/76	102/101/74	102/101/72	102/101/70	102/101/68			
		7 to 27° All Mounts	105/105/105	105/105/103	105/105/101	105/105/99	105/105/97	105/105/95	105/105/93	105/105/91	105/105/89	105/105/87	105/105/85	105/105/83	105/105/81	105/105/79	105/105/77	105/105/75	105/105/73		
		27 to 45° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54	76/47/47	73/40/40	70/33/33		
		0 to 7° All Mounts	85/85/79	85/85/77	85/85/75	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	85/85/53	85/85/51	85/85/49	85/85/47		
		7 to 27° All Mounts	89/89/81	89/89/79	89/89/77	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49		
		27 to 45° All Mounts	102/102/102	102/102/101	102/102/100	102/102/99	102/102/98	102/102/97	102/102/96	102/102/95	102/102/94	102/102/93	102/102/92	102/102/91	102/102/90	102/102/89	102/102/88	102/102/87	102/102/86		
		45 to 90° All Mounts	107/107/100	107/107/97	107/107/94	107/107/91	107/107/88	107/107/85	107/107/82	107/107/79	107/107/76	107/107/73	107/107/70	107/107/67	107/107/64	107/107/61	107/107/58	107/107/55	107/107/52		
		0 to 7° All Mounts	87/87/76	87/87/73	87/87/71	87/87/69	87/87/67	87/87/65	87/87/63	87/87/61	87/87/59	87/87/57	87/87/55	87/87/53	87/87/51	87/87/49	87/87/47	87/87/45	87/87/43		
		7 to 27° All Mounts	91/91/77	91/91/75	91/91/73	91/91/71	91/91/69	91/91/67	91/91/65	91/91/63	91/91/61	91/91/59	91/91/57	91/91/55	91/91/53	91/91/51	91/91/49	91/91/47	91/91/45		
		27 to 45° All Mounts	101/101/101	101/101/98	101/101/95	101/101/92	101/101/90	101/101/88	101/101/86	101/101/84	101/101/82	101/101/80	101/101/78	101/101/76	101/101/74	101/101/72	101/101/70	101/101/68	101/101/66		
40 psf	C	0 to 7° All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83			
		7 to 27° All Mounts	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87		
		27 to 45° All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103		
		45 to 90° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54	76/47/47	73/40/40	70/33/33		
		0 to 7° All Mounts	83/83/79	83/83/77	83/83/75	83/83/73	83/83/71	83/83/69	83/83/67	83/83/65	83/83/63	83/83/61	83/83/59	83/83/57	83/83/55	83/83/53	83/83/51	83/83/49	83/83/47		
		7 to 27° All Mounts	87/87/81	87/87/79	87/87/77	87/87/75	87/87/73	87/87/71	87/87/69	87/87/67	87/87/65	87/87/63	87/87/61	87/87/59	87/87/57	87/87/55	87/87/53	87/87/51	87/87/49		
		27 to 45° All Mounts	101/101/101	101/101/99	101/101/97	101/101/95	101/101/93	101/101/91	101/101/89	101/101/87	101/101/85	101/101/83	101/101/81	101/101/79	101/101/77	101/101/75	101/101/73	101/101/71	101/101/69		
		45 to 90° All Mounts	107/107/100	107/107/97	107/107/94	107/107/91	107/107/88	107/107/85	107/107/82	107/107/79	107/107/76	107/107/73	107/107/70	107/107/67	107/107/64	107/107/61	107/107/58	107/107/55	107/107/52		
		0 to 7° All Mounts	85/85/76	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	85/85/53	85/85/51	85/85/49	85/85/47	85/85/45	85/85/43		
		7 to 27° All Mounts	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49	89/89/47	89/89/45	89/89/43		
45 psf	D	0 to 7° All Mounts	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49	89/89/47	89/89/45			
		7 to 27° All Mounts	93/93/75	93/93/73	93/93/71	93/93/69	93/93/67	93/93/65	93/93/63	93/93/61	93/93/59	93/93/57	93/93/55	93/93/53	93/93/51	93/93/49	93/93/47	93/93/45	93/93/43		
		27 to 45° All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103		
		45 to 90° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54	76/47/47	73/40/40	70/33/33		
		0 to 7° All Mounts	85/85/81	85/85/79	85/85/77	85/85/75	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	85/85/53	85/85/51	85/85/49		
		7 to 27° All Mounts	89/89/79	89/89/77	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49	89/89/47		
		27 to 45° All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103		
		45 to 90° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54	76/47/47	73/40/40	70/33/33		
		0 to 7° All Mounts	85/85/81	85/85/79	85/85/77	85/85/75	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	85/85/53	85/85/51	85/85/49		
		7 to 27° All Mounts	89/89/79	89/89/77	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49	89/89/47		
50 psf	D	0 to 7° All Mounts	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49	89/89/47	89/89/45			
		7 to 27° All Mounts	93/93/75	93/93/73	93/93/71	93/93/69	93/93/67	93/93/65	93/93/63	93/93/61	93/93/59	93/93/57	93/93/55	93/93/53	93/93/51	93/93/49	93/93/47	93/93/45	93/93/43		
		27 to 45° All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103		
		45 to 90° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54	76/47/47	73/40/40	70/33/33		
		0 to 7° All Mounts	85/85/81	85/85/79	85/85/77	85/85/75	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	85/85/53	85/85/51	85/85/49		
		7 to 27° All Mounts	89/89/79	89/89/77	89/89/75	89/89/73	89/89/71	89/89/69	89/89/67	89/89/65	89/89/63	89/89/61	89/89/59	89/89/57	89/89/55	89/89/53	89/89/51	89/89/49	89/89/47		
		27 to 45° All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103	103/103/103		
		45 to 90° All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	100/93/93	97/90/90	94/87/87	91/80/80	88/73/73	85/68/68	82/61/61	79/54/54</					

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 6 3-Rail -- Landscape															
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	88/88/88	88/88/85	88/88/83	88/88/80	88/88/78	88/88/76	88/87/74	88/87/73	88/88/71	88/88/69	88/79/68	88/78/65	88/77/63	86/70/58	
		7 to 27	All Mounts	92/92/90	92/92/87	92/92/85	92/92/82	92/92/80	92/92/78	92/92/76	92/92/74	92/92/73	92/92/71	92/92/69	92/91/67	92/90/65	92/89/63	88/80/58
		27 to 45	All Mounts	107/107/107	107/107/107	106/106/106	105/105/105	103/103/103	102/102/102	100/99/99	99/99/99	99/97/97	99/97/97	99/95/95	99/95/93	99/94/92	99/93/91	92/87/86
		45 to 90	All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	101/94/94	99/94/94	99/91/91	99/91/91	99/89/89	99/87/87	99/86/85	99/85/84	88/79/79
		0 to 7	All Mounts	88/88/79	88/88/77	88/88/75	88/88/73	88/88/71	88/88/69	88/88/67	88/88/65	88/88/63	88/88/61	88/88/59	88/88/57	88/88/55	88/88/53	86/79/76
30 psf	C	7 to 27	All Mounts	92/92/81	92/91/79	92/89/77	92/86/74	92/84/72	92/82/71	91/80/69	91/78/67	90/76/65	89/74/63	88/73/61	88/72/60	88/71/59	86/64/54	
		27 to 45	All Mounts	104/104/104	102/102/102	101/100/100	99/97/97	97/94/94	96/92/92	94/90/90	93/88/88	91/86/84	90/84/84	89/83/83	89/82/82	89/81/81	87/74/73	
		45 to 90	All Mounts	107/100/100	104/97/97	102/94/94	99/92/92	97/94/94	96/92/92	94/90/90	93/88/88	91/86/84	90/84/84	89/83/83	89/82/82	89/81/81	87/74/73	
		0 to 7	All Mounts	89/88/76	89/86/73	89/83/71	89/81/69	89/78/67	89/76/65	89/74/63	89/72/61	89/70/59	88/69/57	88/68/55	88/67/53	88/66/51	86/59/49	
		7 to 27	All Mounts	94/90/77	94/87/75	94/85/73	94/83/71	94/80/69	93/78/67	92/76/65	91/74/63	90/72/61	89/70/59	88/69/57	88/68/55	88/67/53	86/71/60	
35 psf	D	27 to 45	All Mounts	102/101/101	100/98/98	99/95/95	97/93/93	95/90/90	93/88/88	91/85/85	89/83/83	87/81/81	85/80/80	83/78/78	81/76/76	79/74/73	74/69/69	
		45 to 90	All Mounts	103/95/95	100/92/92	97/90/90	95/87/87	92/85/85	90/83/83	88/81/81	86/79/79	84/77/77	82/75/75	80/74/74	78/71/71	76/68/68	71/65/65	
		0 to 7	All Mounts	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85
		7 to 27	All Mounts	89/89/89	89/87/87	89/85/85	89/83/83	89/81/81	89/79/79	89/77/77	89/75/75	89/73/73	89/71/71	89/69/69	89/67/67	89/65/65	89/63/63	86/71/60
		27 to 45	All Mounts	105/105/105	104/104/104	103/103/103	102/102/102	101/100/100	100/99/99	99/98/98	99/96/96	99/94/94	99/92/92	99/90/90	99/88/88	99/86/86	99/84/84	86/80/80
35 psf	B	0 to 7	All Mounts	85/85/79	85/85/77	85/85/75	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	83/76/50	
		7 to 27	All Mounts	89/89/81	89/87/79	89/85/77	89/83/75	89/81/73	89/79/71	89/77/69	89/75/67	89/73/65	89/71/63	89/69/61	89/67/59	89/65/57	86/79/79	
		27 to 45	All Mounts	102/102/102	101/101/101	99/99/99	97/97/97	95/95/95	93/93/93	91/91/91	89/89/89	87/87/87	85/85/85	83/83/83	81/81/81	79/79/79	77/73/73	
		45 to 90	All Mounts	107/100/100	104/97/97	102/94/94	99/92/92	97/94/94	96/92/92	94/90/90	93/88/88	91/86/84	90/84/84	89/83/83	89/82/82	89/81/81	87/74/74	
		0 to 7	All Mounts	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	87/87/87	83/70/58
40 psf	C	27 to 45	All Mounts	103/103/103	103/103/103	103/103/103	103/103/103	106/99/99	103/96/96	101/94/94	99/94/94	99/91/91	99/91/91	99/89/89	99/87/87	99/86/85	88/80/80	
		45 to 90	All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	101/94/94	99/94/94	99/91/91	99/91/91	99/89/89	99/87/87	99/86/85	88/80/80	
		0 to 7	All Mounts	83/83/79	83/83/77	83/83/75	83/83/73	83/83/71	83/83/69	83/83/67	83/83/65	83/83/63	83/83/61	83/83/59	83/83/57	83/83/55	81/65/65	
		7 to 27	All Mounts	87/87/81	87/87/79	87/87/77	87/86/74	87/84/72	87/82/71	86/80/69	85/78/67	85/76/65	85/74/63	85/72/61	85/70/59	85/68/57	83/71/59	
		27 to 45	All Mounts	101/101/101	99/99/99	97/97/97	95/95/95	93/93/93	91/91/91	89/89/89	87/87/87	85/85/85	83/83/83	81/81/81	79/79/79	77/73/73	75/69/69	
45 psf	D	0 to 7	All Mounts	85/85/76	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	85/85/53	83/76/53	83/70/58	
		7 to 27	All Mounts	89/89/77	89/87/75	89/85/73	89/83/71	89/80/69	88/78/67	88/76/65	88/74/63	88/72/61	88/70/59	88/68/57	88/66/55	88/64/53	81/64/44	
		27 to 45	All Mounts	99/99/99	98/98/98	96/96/96	95/95/95	93/93/93	91/91/91	89/89/89	87/87/87	85/85/85	83/83/83	81/81/81	79/79/79	77/73/73	75/69/69	
		45 to 90	All Mounts	103/95/95	100/92/92	97/90/90	95/87/87	92/85/85	90/83/83	88/81/81	86/79/79	84/77/77	82/75/75	80/74/74	78/71/71	76/68/68	71/65/65	
		0 to 7	All Mounts	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85	85/85/85
45 psf	B	27 to 45	All Mounts	102/102/102	102/102/102	101/101/101	100/100/100	99/98/98	99/96/96	99/94/94	99/92/92	99/90/90	99/88/88	99/86/86	99/84/84	99/82/82	86/80/80	
		45 to 90	All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	101/94/94	99/94/94	99/91/91	99/91/91	99/89/89	99/87/87	99/86/85	88/80/80	
		0 to 7	All Mounts	80/80/79	80/80/77	80/80/75	80/80/73	80/80/71	80/80/69	80/80/67	80/80/65	80/80/63	80/80/61	80/80/59	80/80/57	80/80/55	80/80/53	
		7 to 27	All Mounts	85/85/81	85/85/79	85/85/77	85/85/75	85/85/73	85/85/71	85/85/69	85/85/67	85/85/65	85/85/63	85/85/61	85/85/59	85/85/57	85/85/55	
		27 to 45	All Mounts	99/99/99	98/98/98	96/96/96	95/95/95	93/93/93	91/91/91	89/89/89	87/87/87	85/85/85	83/83/83	81/81/81	79/79/79	77/73/73	75/69/69	
50 psf	C	0 to 7	All Mounts	83/83/76	83/83/73	83/83/71	83/83/69	83/83/67	83/83/65	83/83/63	83/83/61	83/83/59	83/83/57	83/83/55	83/83/53	81/74/74	81/68/68	
		7 to 27	All Mounts	87/87/77	87/87/75	87/87/73	87/87/71	87/86/69	87/85/67	87/84/65	87/83/63	87/82/61	87/81/59	87/80/57	87/79/55	87/78/53	87/77/51	
		27 to 45	All Mounts	98/98/98	97/97/97	95/95/95	93/93/93	91/91/91	89/89/89	87/87/87	85/85/85	83/83/83	81/81/81	79/79/79	77/73/73	75/69/69	73/65/65	
		45 to 90	All Mounts	103/95/95	100/92/92	97/90/90	95/87/87	92/85/85	90/83/83	88/81/81	86/79/79	84/77/77	82/75/75	80/74/74	78/71/71	76/68/68	71/65/65	
		0 to 7	All Mounts	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77	77/77/77
50 psf	B	27 to 45	All Mounts	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	83/83/83	
		45 to 90	All Mounts	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	100/100/100	
		0 to 7	All Mounts	116/111/111	114/108/108	111/104/104	108/101/101	106/99/99	103/96/96	101/94/94	99/94/94	99/91/91	99/91/91	99/89/89	99/87/87	99/86/85	88/80/80	
		7 to 27	All Mounts	83/83/81	83/83/79	83/83/77	83/83/75	83/83/73	83/83/71	83/83/69	83/83/67	83/83/65	83/83/63	83/83/61	83/83/59	83/83/57	83/83/55	
		27 to 45	All Mounts	97/97/97	96/96/96	95/95/95	94/94/94	93/93/93	92/92/92	91/91/91	90/90/90	89/89/89	88/88/88	87/87/87	86/86/86	85/85/85	84/84/84	
60 psf	D	0 to 7	All Mounts	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	73/73/73	
		7 to 27	All Mounts	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	78/78/78	
		27 to 45	All Mounts	95/95/95	92/92/92	94/94/94	96/96/96	98/98/98	100/100/100	102/102/102	104/104/104	106/106/106	108/108/108	110/110/110	112/112/112	114/114/114	116/116/116	
		45 to 90	All Mounts	104/100/100	101/97/97	99/94/94	96/90/90	93/86/86	90/80/80	87/74/74	84/68/68	81/62/62	78/56/56	75/50/50	72/44/44	69/38/38	66/32/32	
		0 to 7	All Mounts	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76	76/76/76
60 psf	B	7 to 27	All Mounts	81/81/77	81/81/75	81/81/73	81/81/71	81/80/69	81/78/67	81/76/65	81/74/63	81/72/61	81/70/59	81/68/57	81/66/55	81/64/53	81/62/49	
		27 to 45	All Mounts	94/94/94	93/93/93	92/92/92	91/91/91	90/90/90	89/89/89	88/88/88	87/87/87	86/86/86	85/85/85	84/84/84	83/83/83	82/82/82	81/81/77	
		45 to 90	All Mounts	103/95/95	100/92/92	97/90/90	95/87/87	92/85/85	90/83/83	88/81/81	86/79/79	84/77/77	82/75/75	80/74/74	78/71/71	76/68/68	71/65/65	
		0 to 7	All Mounts	81/81/77	81/81/75	81/81/73	81/81/71	81/80/69	81/78/67	81/76/65	81/74/63	81/72/61	81/70/59	81/68/57	81/66/55	81/64/53	81/62/49	
		27 to 45	All Mounts	94/94/94	93/93/93	92/92/92	91/91/91	90/90/90	89/89/89	88/88/88	87/87/87	86/86/86	85/85/85	84/84/84	83/83/83	82/82/82	81/81/77	

Maximum Rail Spans (Inches)

SnapNrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof – Bin 7 3-Rail – Landscape																	
Maximum Rail Spans (Inches)		Wind Speed → Roof Zone →	110 mph 1 / 2 / 3	115 mph 1 / 2 / 3	120 mph 1 / 2 / 3	125 mph 1 / 2 / 3	130 mph 1 / 2 / 3	135 mph 1 / 2 / 3	140 mph 1 / 2 / 3	145 mph 1 / 2 / 3	150 mph 1 / 2 / 3	155 mph 1 / 2 / 3	160 mph 1 / 2 / 3	170 mph 1 / 2 / 3	180 mph 1 / 2 / 3	190 mph 1 / 2 / 3	
30 psf	B	0 to 7 All Mounts	83 / 83 / 83	83 / 83 / 81	83 / 83 / 78	83 / 83 / 76	83 / 83 / 74	83 / 83 / 72	83 / 82 / 70	83 / 80 / 69	83 / 78 / 67	83 / 77 / 66	83 / 75 / 63	83 / 72 / 60	83 / 69 / 56	82 / 66 / 53	
		7 to 27 All Mounts	87 / 87 / 85	87 / 87 / 82	87 / 87 / 80	87 / 87 / 78	87 / 87 / 76	87 / 86 / 74	87 / 84 / 72	87 / 82 / 70	87 / 80 / 69	87 / 78 / 67	87 / 76 / 66	86 / 73 / 62	84 / 70 / 58	81 / 66 / 53	
		27 to 45 All Mounts	102 / 102 / 102	102 / 102 / 102	101 / 101 / 101	99 / 99 / 99	98 / 98 / 98	96 / 96 / 96	95 / 94 / 94	94 / 92 / 92	92 / 90 / 90	91 / 88 / 88	90 / 86 / 86	87 / 82 / 82	84 / 79 / 79	81 / 76 / 76	
		45 to 90 All Mounts	110 / 105 / 105	108 / 102 / 102	105 / 99 / 99	103 / 96 / 96	100 / 94 / 94	98 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	84 / 78 / 78	81 / 75 / 75	78 / 72 / 72	
		0 to 7 All Mounts	83 / 83 / 75	83 / 83 / 73	83 / 83 / 71	83 / 80 / 69	83 / 78 / 67	83 / 76 / 65	83 / 74 / 63	83 / 72 / 60	83 / 71 / 58	83 / 69 / 56	83 / 68 / 54	80 / 64 / 51	76 / 61 / 48	74 / 57 / 46	
	C	7 to 27 All Mounts	87 / 87 / 77	87 / 87 / 75	87 / 84 / 73	87 / 82 / 71	87 / 80 / 69	87 / 77 / 67	87 / 76 / 65	86 / 74 / 63	85 / 72 / 60	84 / 69 / 57	83 / 68 / 54	80 / 64 / 51	76 / 61 / 48	74 / 57 / 46	
		27 to 45 All Mounts	99 / 99 / 99	97 / 97 / 97	96 / 95 / 95	94 / 92 / 92	93 / 90 / 90	91 / 87 / 87	89 / 85 / 85	87 / 83 / 83	85 / 79 / 79	84 / 76 / 63	83 / 73 / 73	80 / 70 / 70	76 / 67 / 67	74 / 69 / 69	
		45 to 90 All Mounts	102 / 95 / 95	99 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 77 / 77	81 / 75 / 75	80 / 73 / 73	76 / 70 / 70	73 / 68 / 68	71 / 65 / 65	
		0 to 7 All Mounts	84 / 84 / 72	84 / 81 / 69	84 / 79 / 67	84 / 76 / 65	84 / 74 / 63	84 / 72 / 60	84 / 71 / 58	84 / 70 / 58	83 / 67 / 54	81 / 66 / 52	79 / 64 / 51	76 / 60 / 48	73 / 56 / 45	70 / 53 / 43	
		7 to 27 All Mounts	89 / 85 / 73	89 / 83 / 71	89 / 80 / 69	89 / 78 / 67	88 / 74 / 63	87 / 72 / 60	86 / 70 / 58	85 / 67 / 54	84 / 67 / 54	82 / 66 / 53	78 / 62 / 49	75 / 58 / 47	73 / 55 / 44	70 / 66 / 66	
35 psf	D	27 to 45 All Mounts	97 / 96 / 96	95 / 93 / 93	92 / 88 / 88	90 / 85 / 85	88 / 81 / 81	85 / 78 / 78	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	67 / 60 / 60	
		45 to 90 All Mounts	81 / 81 / 81	81 / 81 / 78	81 / 81 / 76	81 / 81 / 76	81 / 81 / 74	81 / 81 / 72	81 / 81 / 70	81 / 81 / 70	81 / 80 / 69	81 / 78 / 67	81 / 77 / 66	81 / 76 / 66	81 / 72 / 62	81 / 69 / 56	81 / 68 / 55
		0 to 7 All Mounts	85 / 85 / 85	85 / 85 / 83	85 / 85 / 80	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 84 / 72	85 / 82 / 70	85 / 80 / 69	85 / 78 / 67	85 / 76 / 66	84 / 73 / 62	82 / 70 / 58	81 / 68 / 55	78 / 67 / 76
		27 to 45 All Mounts	100 / 100 / 100	99 / 99 / 99	98 / 98 / 98	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 88 / 88	87 / 86 / 86	85 / 82 / 82	84 / 79 / 79	81 / 76 / 76	78 / 72 / 72
		45 to 90 All Mounts	110 / 105 / 105	108 / 102 / 102	105 / 99 / 99	103 / 96 / 96	100 / 94 / 94	98 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	84 / 78 / 78	81 / 75 / 75	78 / 72 / 72	75 / 71 / 71
	B	0 to 7 All Mounts	81 / 81 / 75	81 / 81 / 73	81 / 81 / 71	81 / 80 / 69	81 / 78 / 67	81 / 76 / 65	81 / 74 / 63	81 / 72 / 60	81 / 71 / 58	81 / 69 / 56	81 / 68 / 54	80 / 64 / 51	76 / 61 / 48	74 / 57 / 46	71 / 54 / 46
		7 to 27 All Mounts	85 / 85 / 77	85 / 85 / 75	85 / 84 / 73	85 / 82 / 71	85 / 80 / 69	85 / 77 / 67	85 / 76 / 65	84 / 74 / 63	84 / 73 / 62	84 / 70 / 58	82 / 69 / 56	80 / 64 / 51	76 / 61 / 48	74 / 57 / 46	71 / 54 / 46
		27 to 45 All Mounts	92 / 92 / 95	90 / 92 / 92	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90	90 / 90 / 90
		45 to 90 All Mounts	100 / 100 / 100	99 / 99 / 99	98 / 98 / 98	96 / 96 / 96	95 / 95 / 95	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 88 / 88	87 / 86 / 86	85 / 82 / 82	84 / 79 / 79	81 / 76 / 76	78 / 72 / 72
		0 to 7 All Mounts	87 / 87 / 79	87 / 87 / 77	87 / 84 / 75	87 / 82 / 73	87 / 80 / 69	87 / 78 / 67	87 / 76 / 65	87 / 74 / 63	87 / 72 / 60	87 / 71 / 58	87 / 69 / 56	87 / 67 / 54	87 / 65 / 52	87 / 63 / 50	87 / 61 / 48
40 psf	C	27 to 45 All Mounts	82 / 82 / 77	82 / 82 / 75	82 / 82 / 73	82 / 82 / 71	82 / 80 / 69	82 / 78 / 67	82 / 76 / 65	82 / 74 / 63	82 / 72 / 60	82 / 71 / 58	82 / 69 / 56	82 / 67 / 54	82 / 65 / 52	82 / 63 / 50	82 / 61 / 48
		45 to 90 All Mounts	95 / 95 / 95	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	88 / 87 / 87	87 / 85 / 85	86 / 83 / 83	84 / 81 / 81	83 / 79 / 79	82 / 77 / 77	80 / 74 / 74	78 / 71 / 71	76 / 68 / 68	74 / 65 / 46
		0 to 7 All Mounts	80 / 80 / 72	80 / 80 / 69	80 / 80 / 69	80 / 76 / 65	80 / 74 / 63	80 / 72 / 60	80 / 71 / 58	80 / 69 / 56	80 / 67 / 54	80 / 66 / 52	80 / 64 / 51	80 / 62 / 49	80 / 60 / 50	79 / 58 / 47	77 / 55 / 44
		27 to 45 All Mounts	94 / 94 / 94	93 / 93 / 93	91 / 90 / 90	90 / 88 / 88	88 / 85 / 85	87 / 83 / 83	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	80 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 69 / 69	74 / 66 / 66	71 / 63 / 43
		45 to 90 All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76
	B	7 to 27 All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 78	80 / 80 / 76	80 / 80 / 74	80 / 80 / 72	80 / 80 / 70	80 / 80 / 68	80 / 78 / 67	80 / 76 / 66	80 / 74 / 65	80 / 72 / 66	80 / 70 / 66
		27 to 45 All Mounts	96 / 96 / 96	96 / 96 / 96	96 / 96 / 96	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	90 / 90 / 90	89 / 89 / 89	87 / 87 / 87	86 / 86 / 86	84 / 82 / 82	82 / 79 / 79	77 / 68 / 55
		45 to 90 All Mounts	110 / 105 / 105	108 / 102 / 102	105 / 99 / 99	103 / 96 / 96	100 / 94 / 94	98 / 91 / 91	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	84 / 78 / 78	81 / 75 / 75	78 / 72 / 72	75 / 69 / 66
		0 to 7 All Mounts	76 / 76 / 75	76 / 76 / 73	76 / 76 / 71	76 / 76 / 69	76 / 76 / 67	76 / 76 / 65	76 / 76 / 63	76 / 76 / 61	76 / 76 / 59	76 / 76 / 57	76 / 76 / 55	76 / 76 / 53	76 / 76 / 51	76 / 76 / 49	76 / 76 / 47
		27 to 45 All Mounts	80 / 80 / 77	80 / 80 / 75	80 / 80 / 73	80 / 80 / 71	80 / 80 / 69	80 / 77 / 67	80 / 76 / 65	80 / 74 / 63	80 / 73 / 73	81 / 71 / 71	81 / 70 / 70	80 / 68 / 68	79 / 67 / 67	78 / 65 / 65	77 / 63 / 63
45 psf	C	27 to 45 All Mounts	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	88 / 88 / 88	87 / 87 / 87	86 / 85 / 85	85 / 83 / 83	83 / 81 / 81	82 / 79 / 79	81 / 77 / 77	79 / 74 / 74	76 / 71 / 71	73 / 69 / 69	70 / 65 / 65
		45 to 90 All Mounts	78 / 78 / 75	78 / 78 / 73	78 / 78 / 71	78 / 78 / 69	78 / 78 / 67	78 / 78 / 65	78 / 78 / 63	78 / 78 / 61	78 / 78 / 59	78 / 78 / 57	78 / 78 / 55	78 / 78 / 53	78 / 78 / 51	78 / 78 / 49	78 / 78 / 47
		0 to 7 All Mounts	82 / 82 / 77	82 / 82 / 75	82 / 82 / 73	82 / 82 / 71	82 / 80 / 69	82 / 78 / 67	82 / 76 / 65	82 / 74 / 63	82 / 72 / 60	82 / 71 / 58	82 / 69 / 56	82 / 67 / 54	82 / 65 / 52	82 / 63 / 50	82 / 61 / 48
		27 to 45 All Mounts	98 / 98 / 95	96 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 77 / 77	81 / 75 / 75	80 / 73 / 73	76 / 70 / 70	73 / 68 / 68	71 / 65 / 65	70 / 53 / 43
		45 to 90 All Mounts	102 / 95 / 95	99 / 92 / 92	96 / 89 / 89	94 / 87 / 87	92 / 85 / 85	89 / 82 / 82	87 / 80 / 80	85 / 78 / 78	83 / 77 / 77	81 / 75 / 75	80 / 73 / 73	76 / 70 / 70	73 / 68 / 68	71 / 65 / 65	70 / 53 / 43
	B	7 to 27 All Mounts	78 / 78 / 72	78 / 78 / 69	78 / 78 / 67	78 / 76 / 65	78 / 74 / 63	78 / 72 / 60	78 / 71 / 58	78 / 70 / 58	78 / 69 / 56	78 / 67 / 54	78 / 66 / 52	78 / 64 / 51	76 / 60 / 48	73 / 56 / 45	70 / 53 / 43
		27 to 45 All Mounts	95 / 95 / 95	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	88 / 87 / 87	87 / 85 / 85	86 / 83 / 83	84 / 81 / 81	83 / 79 / 79	82 / 77 / 77	80 / 74 / 74	78 / 71 / 71	76 / 68 / 68	74 / 65 / 46
		0 to 7 All Mounts	80 / 80 / 72	80 / 80 / 69	80 / 80 / 69	80 / 76 / 65	80 / 74 / 63	80 / 72 / 60	80 / 71 / 58	80 / 69 / 56	80 / 67 / 54	80 / 66 / 52	80 / 64 / 51	80 / 62 / 49	80 / 60 / 50	79 / 58 / 47	77 / 55 / 44
		27 to 45 All Mounts	94 / 94 / 94	93 / 93 / 93	91 / 90 / 90	90 / 88 / 88	88 / 85 / 85	87 / 83 / 83	85 / 81 / 81	84 / 79 / 79	82 / 77 / 77	80 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 69 / 69	74 / 66 / 66	71 / 63 / 43
		45 to 90 All Mounts	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76	76 / 76 / 76
50 psf	C	27 to 45 All Mounts	97 / 90 / 90	95 / 88 / 88	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	85 / 78 / 78	83 / 77 / 77	81 / 75 / 75	79 / 73 / 73	78 / 71 / 71	76 / 70 / 70	73 / 67 / 67	70 / 64 / 64	67 / 60 / 60	64 / 57 / 53
		45 to 90 All Mounts	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 73	73 / 73 / 72	73 / 73 / 70	73 / 73 / 68	73 / 73 / 66	73 / 73 / 64	73 / 73 / 62	73 / 73 / 60	73 / 72 / 60	73 / 69 / 56	73 / 66 / 53</	

Maximum Rail Spans (Inches)

Maximum Rail Spans (Inches)			SnapTrack UR-40 Rail Flush-Mount on 30 to 60 Foot Roof -- Bin 8 3-Rail -- Landscape																
Ground Snow Load	Exposure Category	Panel Angle	Wind Speed -> Roof Zone ->	110 mph	115 mph	120 mph	125 mph	130 mph	135 mph	140 mph	145 mph	150 mph	155 mph	160 mph	170 mph	180 mph	190 mph		
30 psf	B	0 to 7	All Mounts	1 / 2 / 3	88 / 88 / 88	88 / 88 / 85	88 / 88 / 83	88 / 88 / 80	88 / 88 / 78	88 / 88 / 76	88 / 87 / 74	88 / 85 / 73	88 / 83 / 71	88 / 81 / 69	88 / 79 / 68	88 / 76 / 65	88 / 73 / 61	86 / 70 / 58	
		7 to 27	All Mounts	92 / 92 / 90	92 / 92 / 87	92 / 92 / 85	92 / 92 / 82	92 / 92 / 80	92 / 92 / 78	92 / 92 / 76	92 / 92 / 73	92 / 92 / 71	92 / 90 / 69	92 / 88 / 67	92 / 86 / 65	92 / 84 / 63	92 / 81 / 61	88 / 78 / 60	
		27 to 45	All Mounts	107 / 107 / 107	107 / 107 / 107	106 / 106 / 106	105 / 105 / 105	103 / 103 / 103	102 / 102 / 102	100 / 99 / 99	99 / 97 / 97	96 / 96 / 96	95 / 94 / 94	93 / 91 / 91	92 / 89 / 89	92 / 87 / 87	92 / 85 / 83	86 / 80 / 80	
		45 to 90	All Mounts	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	92 / 83 / 83	92 / 81 / 81	92 / 79 / 79	83 / 76 / 76	
		0 to 7	All Mounts	88 / 88 / 79	88 / 88 / 77	88 / 87 / 75	88 / 86 / 73	88 / 85 / 71	88 / 84 / 70	88 / 82 / 71	88 / 80 / 69	88 / 78 / 65	88 / 76 / 63	88 / 74 / 61	88 / 73 / 61	88 / 72 / 61	88 / 71 / 59	86 / 74 / 50	
	C	7 to 27	All Mounts	92 / 92 / 81	92 / 91 / 79	92 / 89 / 77	92 / 86 / 74	92 / 84 / 72	92 / 82 / 71	91 / 80 / 69	91 / 78 / 67	90 / 76 / 65	89 / 74 / 63	88 / 73 / 61	88 / 72 / 61	88 / 71 / 59	88 / 70 / 58	80 / 64 / 51	
		27 to 45	All Mounts	104 / 104 / 104	102 / 102 / 102	101 / 100 / 100	99 / 97 / 97	97 / 94 / 94	96 / 92 / 92	94 / 90 / 90	93 / 88 / 88	91 / 85 / 85	90 / 83 / 83	89 / 81 / 81	88 / 78 / 78	88 / 77 / 67	88 / 76 / 65	86 / 74 / 50	
		45 to 90	All Mounts	107 / 107 / 100	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	89 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	75 / 69 / 69	
		0 to 7	All Mounts	89 / 88 / 76	89 / 86 / 73	89 / 83 / 71	89 / 81 / 69	89 / 78 / 67	89 / 76 / 65	89 / 74 / 63	89 / 72 / 61	88 / 71 / 59	86 / 69 / 57	85 / 68 / 57	85 / 66 / 54	85 / 63 / 51	84 / 58 / 46		
		7 to 27	All Mounts	94 / 90 / 77	94 / 87 / 75	94 / 85 / 73	94 / 83 / 71	94 / 80 / 69	93 / 78 / 67	92 / 76 / 65	91 / 74 / 63	90 / 72 / 61	88 / 71 / 59	86 / 69 / 57	85 / 68 / 54	85 / 63 / 51	84 / 58 / 46		
35 psf	B	27 to 45	All Mounts	102 / 101 / 101	101 / 98 / 98	99 / 95 / 95	97 / 93 / 93	95 / 90 / 90	93 / 88 / 88	91 / 85 / 85	89 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	75 / 69 / 69	
		45 to 90	All Mounts	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	95 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	80 / 70 / 68	80 / 64 / 51	74 / 69 / 69	
		0 to 7	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 83	85 / 85 / 80	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 85 / 71	85 / 85 / 69	85 / 85 / 68	85 / 85 / 66	85 / 85 / 65	85 / 85 / 61	85 / 80 / 58	86 / 74 / 50	
		7 to 27	All Mounts	89 / 89 / 89	89 / 87 / 87	89 / 87 / 85	89 / 87 / 82	89 / 87 / 80	89 / 86 / 78	89 / 86 / 76	89 / 86 / 74	89 / 86 / 71	89 / 86 / 69	89 / 86 / 67	89 / 86 / 65	89 / 86 / 61	89 / 83 / 83	86 / 80 / 80	
		27 to 45	All Mounts	105 / 105 / 105	105 / 105 / 105	104 / 104 / 104	103 / 103 / 103	101 / 101 / 101	100 / 100 / 100	99 / 99 / 99	98 / 98 / 98	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	83 / 76 / 76	
	C	0 to 7	All Mounts	85 / 85 / 79	85 / 85 / 77	85 / 85 / 75	85 / 85 / 73	85 / 82 / 71	85 / 80 / 69	84 / 78 / 67	85 / 80 / 69	88 / 78 / 67	88 / 76 / 65	88 / 74 / 63	88 / 73 / 61	88 / 72 / 61	88 / 71 / 59	83 / 76 / 76	
		7 to 27	All Mounts	89 / 89 / 81	89 / 89 / 79	89 / 89 / 77	89 / 86 / 74	89 / 84 / 72	89 / 82 / 71	89 / 80 / 69	88 / 78 / 67	88 / 76 / 65	88 / 74 / 63	88 / 73 / 61	88 / 72 / 61	88 / 71 / 59	86 / 79 / 79	83 / 76 / 76	
		27 to 45	All Mounts	102 / 102 / 102	101 / 101 / 101	99 / 99 / 99	97 / 97 / 97	96 / 94 / 94	94 / 92 / 92	93 / 90 / 90	91 / 88 / 88	90 / 85 / 85	89 / 84 / 84	89 / 83 / 83	89 / 82 / 82	89 / 81 / 81	89 / 80 / 80	80 / 64 / 51	
		45 to 90	All Mounts	107 / 100 / 100	104 / 97 / 97	102 / 94 / 94	99 / 92 / 92	97 / 89 / 89	94 / 87 / 87	92 / 85 / 85	90 / 83 / 83	89 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	80 / 64 / 51	
		0 to 7	All Mounts	87 / 87 / 76	87 / 86 / 73	87 / 83 / 71	87 / 81 / 69	87 / 78 / 67	87 / 76 / 65	87 / 74 / 63	87 / 73 / 61	87 / 72 / 61	87 / 71 / 59	85 / 68 / 57	85 / 66 / 54	85 / 63 / 51	84 / 58 / 46		
40 psf	B	7 to 27	All Mounts	91 / 90 / 77	91 / 87 / 75	91 / 85 / 73	91 / 82 / 71	91 / 80 / 69	90 / 78 / 67	89 / 76 / 65	89 / 74 / 63	88 / 72 / 61	87 / 71 / 59	86 / 69 / 57	86 / 72 / 72	86 / 71 / 68	86 / 70 / 66	74 / 59 / 48	
		27 to 45	All Mounts	101 / 101 / 101	99 / 98 / 98	97 / 95 / 95	96 / 93 / 93	94 / 90 / 90	92 / 88 / 88	91 / 85 / 85	89 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	74 / 69 / 69	
		45 to 90	All Mounts	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	95 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	80 / 70 / 68	80 / 64 / 51	74 / 69 / 69	
		0 to 7	All Mounts	83 / 83 / 83	83 / 83 / 83	83 / 83 / 83	83 / 83 / 80	83 / 83 / 78	83 / 83 / 76	83 / 83 / 74	83 / 83 / 71	83 / 83 / 69	83 / 83 / 68	83 / 83 / 66	83 / 83 / 65	83 / 83 / 61	83 / 80 / 58	83 / 70 / 58	
		7 to 27	All Mounts	87 / 87 / 87	87 / 87 / 87	87 / 87 / 85	87 / 87 / 82	87 / 87 / 80	87 / 87 / 78	87 / 87 / 76	87 / 87 / 74	87 / 87 / 71	87 / 87 / 69	87 / 87 / 67	87 / 87 / 65	87 / 87 / 61	87 / 84 / 63	83 / 70 / 58	
	C	27 to 45	All Mounts	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	103 / 103 / 103	102 / 102 / 102	100 / 100 / 100	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 95 / 95	94 / 94 / 94	93 / 93 / 93	92 / 92 / 92	91 / 91 / 91	85 / 80 / 80	
		45 to 90	All Mounts	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	93 / 83 / 83	93 / 81 / 81	93 / 80 / 80	85 / 80 / 80	
		0 to 7	All Mounts	83 / 83 / 79	83 / 83 / 77	83 / 83 / 75	83 / 83 / 73	83 / 82 / 71	83 / 80 / 69	83 / 78 / 67	83 / 76 / 65	83 / 75 / 63	83 / 74 / 63	83 / 73 / 61	83 / 72 / 61	83 / 71 / 59	81 / 67 / 54	80 / 64 / 51	
		7 to 27	All Mounts	87 / 87 / 81	87 / 87 / 79	87 / 87 / 77	87 / 86 / 74	87 / 84 / 72	87 / 82 / 71	86 / 80 / 69	86 / 78 / 67	86 / 76 / 65	85 / 74 / 63	84 / 73 / 61	83 / 72 / 61	83 / 70 / 58	81 / 67 / 54	80 / 64 / 51	
		27 to 45	All Mounts	101 / 101 / 101	99 / 99 / 99	97 / 97 / 97	96 / 96 / 96	95 / 94 / 94	93 / 92 / 92	92 / 90 / 90	90 / 88 / 88	89 / 85 / 85	88 / 84 / 84	86 / 82 / 82	85 / 80 / 78	84 / 77 / 75	83 / 76 / 73	74 / 69 / 69	
45 psf	B	0 to 7	All Mounts	85 / 85 / 76	85 / 85 / 73	85 / 85 / 71	85 / 85 / 69	85 / 84 / 67	85 / 83 / 65	85 / 82 / 63	85 / 81 / 61	85 / 80 / 59	85 / 79 / 57	85 / 78 / 55	85 / 77 / 53	85 / 76 / 51	85 / 75 / 49	74 / 69 / 69	
		7 to 27	All Mounts	89 / 89 / 77	89 / 87 / 75	89 / 85 / 73	89 / 82 / 71	89 / 80 / 69	88 / 78 / 67	87 / 76 / 65	86 / 75 / 63	85 / 74 / 63	84 / 73 / 61	83 / 72 / 61	83 / 70 / 58	82 / 74 / 73	81 / 71 / 71	74 / 69 / 69	
		27 to 45	All Mounts	99 / 99 / 99	98 / 98 / 98	96 / 95 / 95	95 / 93 / 93	93 / 90 / 90	91 / 88 / 88	90 / 85 / 85	89 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	74 / 69 / 69	
		45 to 90	All Mounts	103 / 95 / 95	100 / 92 / 92	97 / 90 / 90	95 / 87 / 87	92 / 85 / 85	90 / 83 / 83	88 / 81 / 81	86 / 79 / 79	84 / 77 / 77	83 / 76 / 75	82 / 74 / 73	81 / 71 / 71	80 / 70 / 68	80 / 64 / 51	74 / 69 / 69	
		0 to 7	All Mounts	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 80	80 / 80 / 78	80 / 80 / 76	80 / 80 / 74	80 / 80 / 71	80 / 80 / 69	80 / 79 / 68	80 / 78 / 65	80 / 76 / 65	80 / 75 / 61	80 / 70 / 58	74 / 69 / 69	
	C	7 to 27	All Mounts	85 / 85 / 85	85 / 85 / 85	85 / 85 / 85	85 / 85 / 82	85 / 85 / 80	85 / 85 / 78	85 / 85 / 76	85 / 85 / 74	85 / 84 / 73	85 / 82 / 71	84 / 80 / 69	83 / 77 / 67	83 / 74 / 63	82 / 71 / 60	80 / 70 / 58	
		27 to 45	All Mounts	102 / 102 / 102	102 / 102 / 102	101 / 101 / 101	100 / 100 / 100	98 / 98 / 98	96 / 96 / 96	94 / 94 / 94	92 / 92 / 92	91 / 91 / 91	90 / 90 / 90	89 / 87 / 87	89 / 87 / 82	88 / 83 / 83	87 / 80 / 80	83 / 76 / 76	
		45 to 90	All Mounts	116 / 111 / 111	114 / 108 / 108	111 / 104 / 104	108 / 101 / 101	106 / 99 / 99	103 / 96 / 96	101 / 94 / 94	99 / 91 / 91	97 / 89 / 89	95 / 87 / 87	93 / 85 / 85	93 / 83 / 83	93 / 81 / 81	93 / 80 / 80	83 / 76 / 76	
		0 to 7	All Mounts	80 / 80 / 79	80 / 80 / 77	80 / 80 / 75	80 / 80 / 73	80 / 80 / 71	80 / 80 / 69	80 / 80 / 67	80 / 80 / 65	80 / 80 / 63	80 / 80 / 61	80 / 79 / 59	80 / 68 / 55	80 / 66 / 52	79 / 64 / 51	74 / 69 / 69	
		7 to 27	All Mounts	85 / 85 / 81	85 / 85 / 79	85 / 85 / 77	85 / 85 / 74	85 / 84 / 72	85 / 82 / 71	84 / 80 / 69	84 / 78 / 67	84 / 76 / 65	83 / 76 / 63	82 / 73 / 61	81 / 70 / 58	80 / 67 / 54	79 / 64 / 51	74 / 69 / 69	
50 psf	B	45 to 90	All Mounts	99 / 99 / 99	98 / 98 / 98	96 / 96 / 96	95 / 93 / 93	93 / 90 / 90	91 / 88 / 88	90 / 88 / 88	89 / 88 / 88	88 / 85 / 85	87 / 84 / 84	86 / 82 / 82	85 / 80 / 78	84 / 77 / 75	83 / 76 / 73	74 / 69 / 69	
		0 to 7	All Mounts	83 / 83 / 76	83 / 83 / 73	83 / 83 / 71	83 / 81 / 69	83 / 80 / 69	83 / 78 / 67	83 / 76 /									



Appendix A: ASCE 7-10 to ASCE 7-05 Wind Conversion

This appendix may be used for the Flush-Mounted System.

The appendix is applicable for converting between the 7-10 and 7-05 editions of the International Building Codes.

The span spacing tables were compiled with LRFD wind speeds (ASCE 7-10) the velocity equivalence table below adjusts the 7-10 (Ultimate) wind speeds to the appropriate 7-05 (Service) wind speeds.

Velocity Equivalence	
Code Reference	
ASCE 7-10	ASCE 7-05
$V_{ult.}$ (mph)	V_{3-sec} (mph)
110	85
115	89
120	93
130	101
140	108
150	116
160	124
170	132
180	139
190	147

Table A: ASCE 7-05 / ASCE 7-10 Wind Speed Conversion Table

Note: Wind speeds for roof-mounted solar photovoltaic installations assume Risk Category II

Appendix B: Snow Load Conversion

This appendix is applicable for Authorities Having Jurisdiction (AHJ's) with non-reducible snow loads for roof pitches under 45 degrees and roof pitches between 45 and 90 degrees.

Span tables were compiled utilizing ground snow load, which is reduced to flat roof snow for pitches under 45 degrees, and to sloped roof snow for roof pitches between 45 and 90 degrees. For AHJ's specifying minimum roof snow loads or non-reducible ground snow loads, the user shall convert the specified snow load to the equivalent ground snow load in the Snow Load Conversion Table below to utilize the SnapNrack Ultra Rail Flush-Mount Span Table(s).

Snow Load Conversion Table		
Specified Minimum Roof Snow Load (psf)	Equivalent Ground Snow Load (psf) for use in Span Table(s)	
	Roof Pitch: $0^\circ \leq \theta < 45^\circ$	Roof Pitch: $45^\circ \leq \theta \leq 90^\circ$
10	20	20
20	25	40
25	35	60
30	40	60
35	50	80
40	60	90
50	70	100
60	80	110
70	90	120
80	100	NA
90	120	NA
100	NA	NA
110	NA	NA
120	NA	NA

Table B: Conversion Table for Minimum Specified and/or Non-Reducible Snow Loads

Note: Calculated Snow Loads for roof-mounted solar photovoltaic installations assume Risk Category II.

Example Conversion

Given(s): AHJ requires minimum 30 psf roof snow load.

Existing roof pitch is 6 in 12 = 27°

- Step 1) Locate specified roof snow load in column 1 (30 psf).
- Step 2) Determine which Roof Pitch column applies. Column 2 applies for the given condition.
- Step 3) Select 40 psf from column 2 as the equivalent ground snow load for use in the Span Table(s).

Step 1		Step 2	
25	35	60	
30	40	60	
35	50	80	



Appendix C: Oversized Modules

Certain commercially available solar photovoltaic modules exceed the maximum length limitations given on page 1 of this report. These span tables are based on the assumption of a solid contiguous panel, without any gaps to allow the equalization of wind pressures above and below the panel. Approved oversize modules, which are listed in this appendix, are permitted to be designed using the span tables in the report, provided that the gaps between the panels remain unobstructed.

The following modules may be designed in portrait orientation using the span tables for “60-cell” panels, provided that the gaps between the individual modules remain unobstructed:

Manufacturer:	Model Number:
LG	LGxxxN1C-V5
LG	LGxxxN1K-V5
LG	LGxxxN1T-V5
LG	LGxxxQ1C-V5
LG	LGxxxQ1K-V5
LG	LGxxxN1K-A5
LG	LGxxxQ1K-A5
LG	LGxxxS1C-A5
LG	LGxxxN1C-A5
LG	LGxxxQ1C-A5
Hanwha	Q.PEAK DUO BLK-G5
Hanwha	Q.PEAK DUO-G5
Panasonic	VBHN330SA17
Panasonic	VBHN325SA17

Table C1: Approved 60-Cell modules



Appendix D: Structural Details

The following structural details are included in this appendix:

Number:	Description:	Rev:	Date:
SNR-DC-00362	ULTRA RAIL, SYSTEM OVERVIEW, 3-RAIL	1	5-7-19
SNR-DC-00330	ULTRA RAIL, COMPONENT DETAIL, UR-40 RAIL AND SPLICE	1	5-7-19
SNR-DC-00331	ULTRA RAIL, COMPONENT DETAIL, UR-60 RAIL AND SPLICE	2	7-17-19
SNR-DC-00332	ULTRA RAIL, COMPONENT DETAIL, LEVELING EXTENSION KIT	1	5-7-19
SNR-DC-00333	ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON FLASHED L FOOT	1	5-7-19
SNR-DC-00334	ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF	1	6-18-19
SNR-DC-00335	ULTRA RAIL, SYSTEM DETAIL, FIXED TILT	1	5-7-19
SNR-DC-00336	ULTRA RAIL, SYSTEM DETAIL, VARIABLE TILT WITH L FOOT	1	5-7-19
SNR-DC-00337	ULTRA RAIL, SYSTEM DETAIL, VARIABLE TILT WITH STANDOFF	1	5-7-19
SNR-DC-00338	ULTRA RAIL, SYSTEM DETAIL, TILT LEG PLUS	1	5-7-19
SNR-DC-00339	ULTRA RAIL, ATTACHMENT DETAIL, UMBRELLA L FOOT TO RAFTER	1	6-18-19
SNR-DC-00340	ULTRA RAIL, ATTACHMENT DETAIL, FLASHED L FOOT TO RAFTER	1	5-7-19
SNR-DC-00341	ULTRA RAIL, ATTACHMENT DETAIL, TILE REPLACEMENT TO RAFTER	1	5-7-19
SNR-DC-00342	ULTRA RAIL, ATTACHMENT DETAIL, SEAM CLAMP	1	5-7-19
SNR-DC-00343	ULTRA RAIL, ATTACHMENT DETAIL, CORRUGATED STRADDLE BLOCK	1	6-18-19
SNR-DC-00344	ULTRA RAIL, ATTACHMENT DETAIL, METAL ROOF BASE WITH L FOOT TO RAFTER	1	6-18-19
SNR-DC-00345	ULTRA RAIL, ATTACHMENT DETAIL, METAL ROOF BASE WITH L FOOT TO PURLIN	1	5-7-19
SNR-DC-00346	ULTRA RAIL, ATTACHMENT DETAIL, ULTRA RAIL FLAT TILE HOOK TO RAFTER	1	6-18-19
SNR-DC-00347	ULTRA RAIL, ATTACHMENT DETAIL, ULTRA RAIL UNIVERSAL TILE HOOK TO RAFTER	1	5-7-19
SNR-DC-00348	ULTRA RAIL, ATTACHMENT DETAIL, 1-HOLE BASE WITH STANDOFF TO RAFTER	1	5-7-19
SNR-DC-00349	ULTRA RAIL, ATTACHMENT DETAIL, 1-HOLE BASE WITH STANDOFF TO PURLIN	1	5-7-19
SNR-DC-00350	ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE BASE WITH STANDOFF TO JOIST	1	5-7-19
SNR-DC-00351	ULTRA RAIL, ATTACHMENT DETAIL, 6-HOLE BASE WITH HD STANDOFF TO RAFTER	1	5-7-19
SNR-DC-00352	ULTRA RAIL, ATTACHMENT DETAIL, METAL ROOF BASE WITH STANDOFF TO RAFTER	1	6-18-19
SNR-DC-00353	ULTRA RAIL, ATTACHMENT DETAIL, METAL ROOF BASE WITH STANDOFF TO PURLIN	1	5-7-19
SNR-DC-00354	ULTRA RAIL, ATTACHMENT DETAIL, HANGER BOLT	1	5-7-19
SNR-DC-00355	ULTRA RAIL, ATTACHMENT DETAIL, ULTRA RAIL TILE ROOF HOOK WS TO RAFTER	1	5-7-19
SNR-DC-00356	ULTRA RAIL, ATTACHMENT DETAIL, ULTRA RAIL TILE ROOF HOOK F TO RAFTER	1	5-7-19
SNR-DC-00357	ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE BASE WITH STANDOFF TO PURLIN	1	5-7-19
SNR-DC-00358	ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE BASE WITH STANDOFF TO PURLIN, ROTATED	1	5-7-19
SNR-DC-00359	ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE BASE WITH STANDOFF TO FLAT RAFTER	1	6-18-19

Table D: List of Structural Details for the Ultra Rail Racking System

OVERVIEW OF THE SNAPNRACK ULTRA RAIL SYSTEM INSTALLED ON A TYPICAL ROOF, WITH THREE-RAIL CONFIGURATION

REFER TO SPECIFIC "ATTACHMENT DETAIL" FOR DETAILS ON ATTACHING AND WATERPROOFING THE VARIOUS SNAPNRACK ROOF ATTACHMENT PRODUCTS

REFER TO SPECIFIC "COMPONENT DETAIL" FOR DETAILS ON VARIOUS SNAPNRACK ACCESSARY AND COMPONENT PRODUCTS

BOTH THE SNAPNRACK, UNIVERSAL END CLAMP AND SNAPNRACK, ADJUSTABLE END CLAMP CAN BE USED ON END MODULES

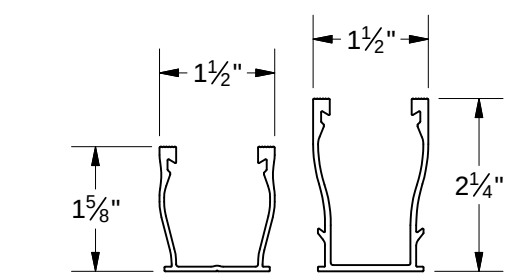
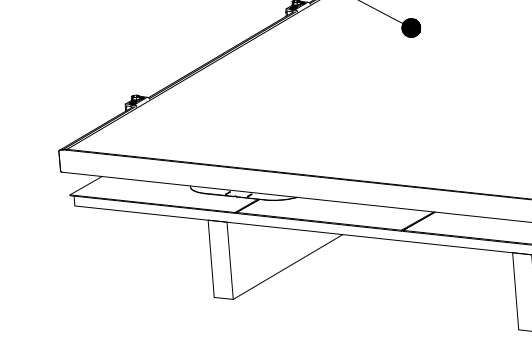
MODULES MAY BE CLAMPED ON SHORT OR LONG SIDE PER MODULE MANUFACTURER REQUIREMENTS

RAILS MAY BE MOUNTED UP/DOWN OR ACROSS THE SLOPE OF THE ROOF

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

SNAPNRACK, ADJUSTABLE END CLAMP. SELECT TO MATCH MODULE HEIGHT

PV MODULE, TYP.



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902
THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC.

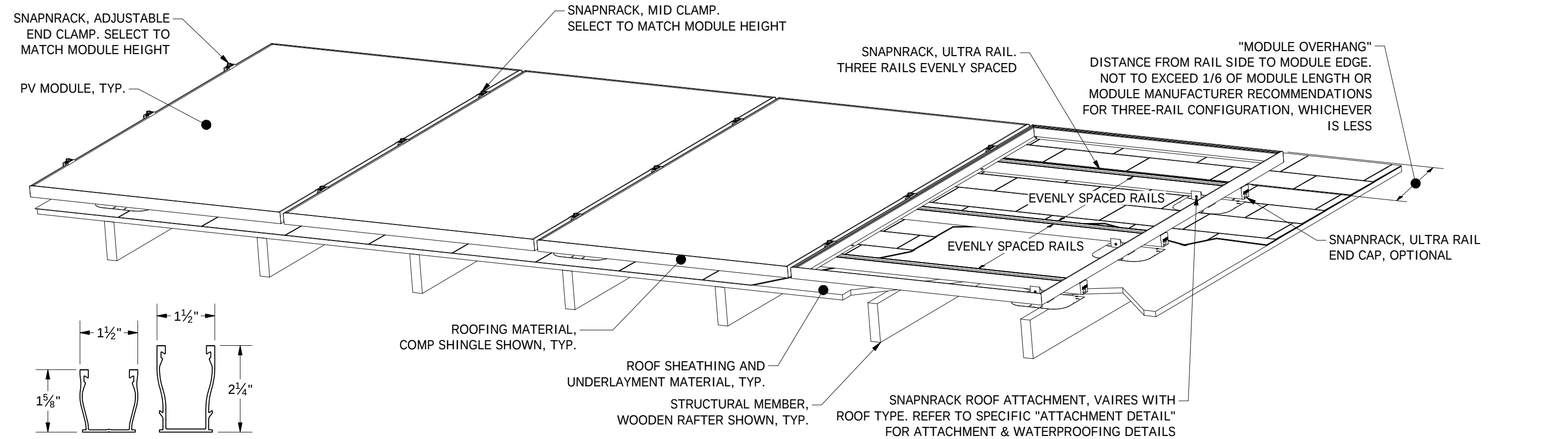
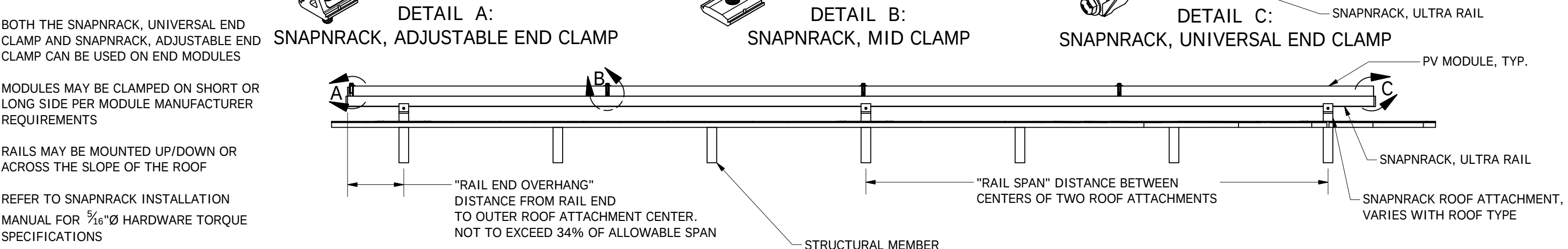
DESIGNER: M.AFFENTRANGER
DRAFTER: M.WATKINS
APPROVED BY: M.AFFENTRANGER

SCALE: DNS
DATE: 9/3/2019

DRAWING NUMBER: SNR-DC-00362

DESCRIPTION: ULTRA RAIL, SYSTEM OVERVIEW, 3-RAIL

REV 1



BIN:	ALL		
	REVISION:	1	9/3/2019
		NEW DETAIL	MKW

SNAPNRACK UR-40 RAIL AND SPLICE DETAILS

REFER TO SNAPNRACK INSTALLATION MANUAL FOR
5/16"Ø HARDWARE TORQUE SPECIFICATIONS

SPLICE POSITIONING:

- APPROVED - ANYWHERE ALONG RAIL SPAN
BETWEEN **TWO** ROOF ATTACHMENTS
- NOT APPROVED - RAIL OVERHANGS /
CANTILEVERS

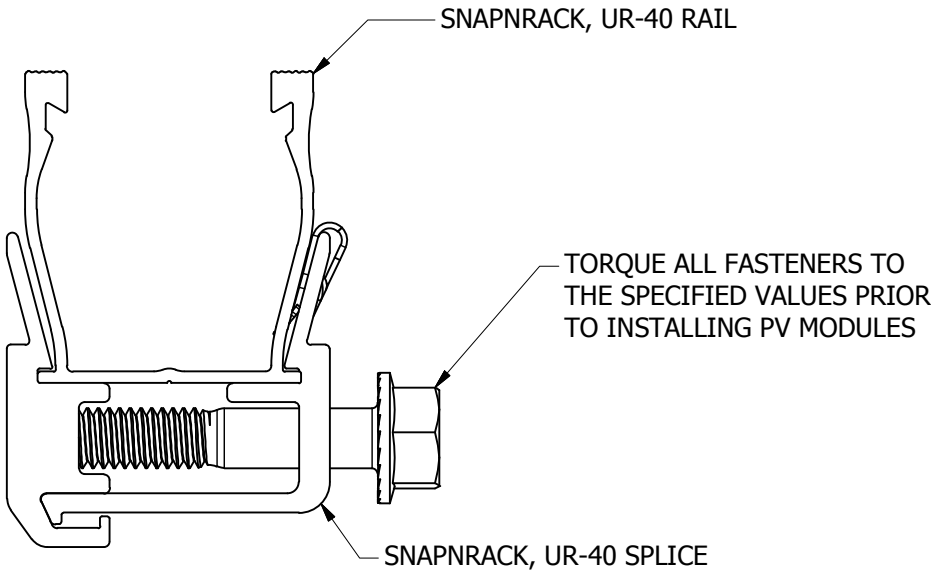
USE OF THE UR-40 SPLICE WITH THE UR-60 RAIL IS
PROHIBITED

BIN:

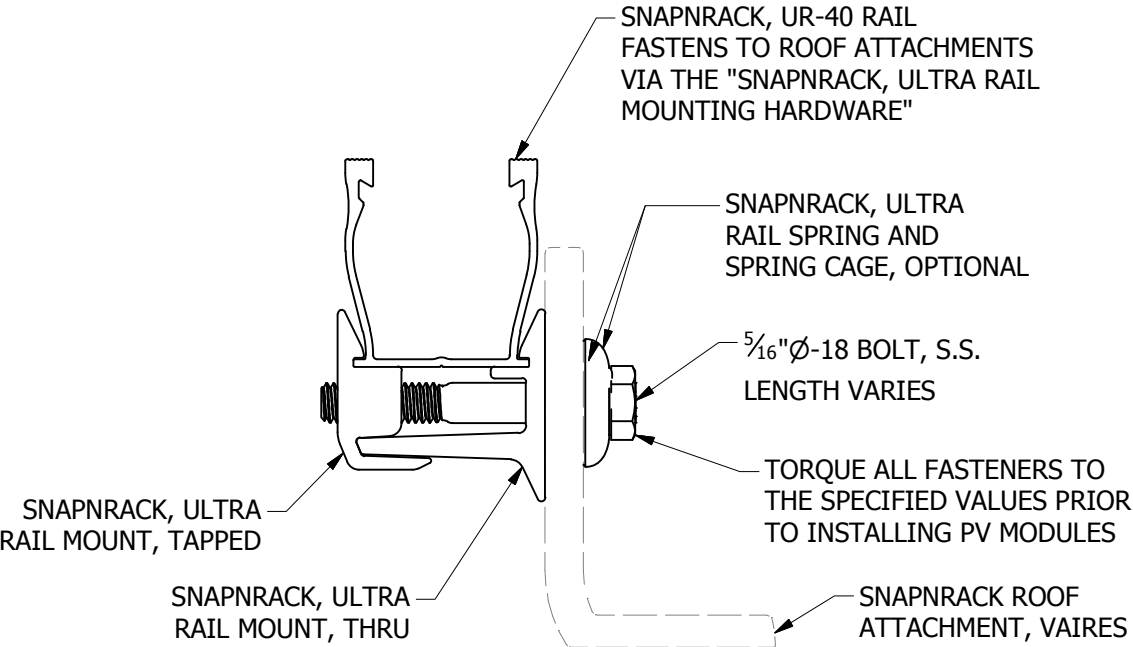
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REVISION:

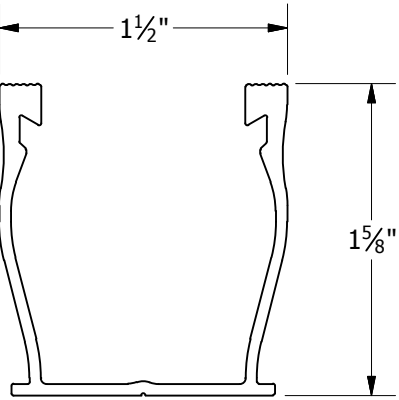
1	5/7/2019	NEW DETAIL	MJA



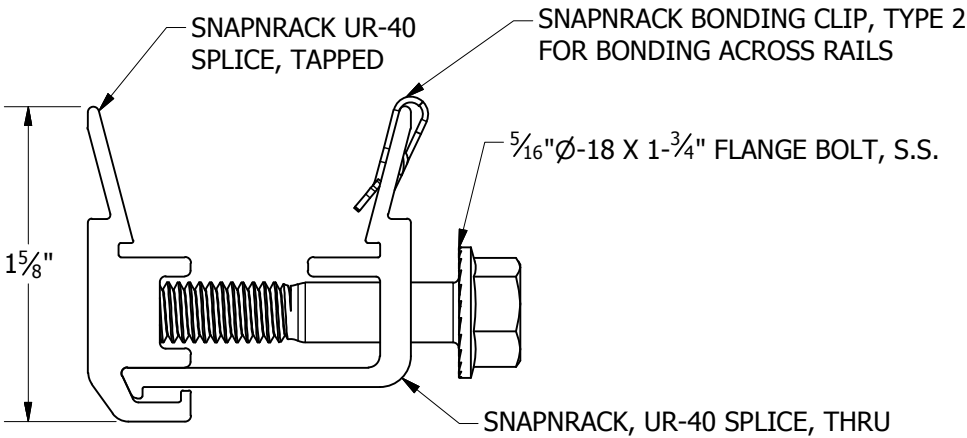
SNAPNRACK, UR-40 SPLICE INSALLED



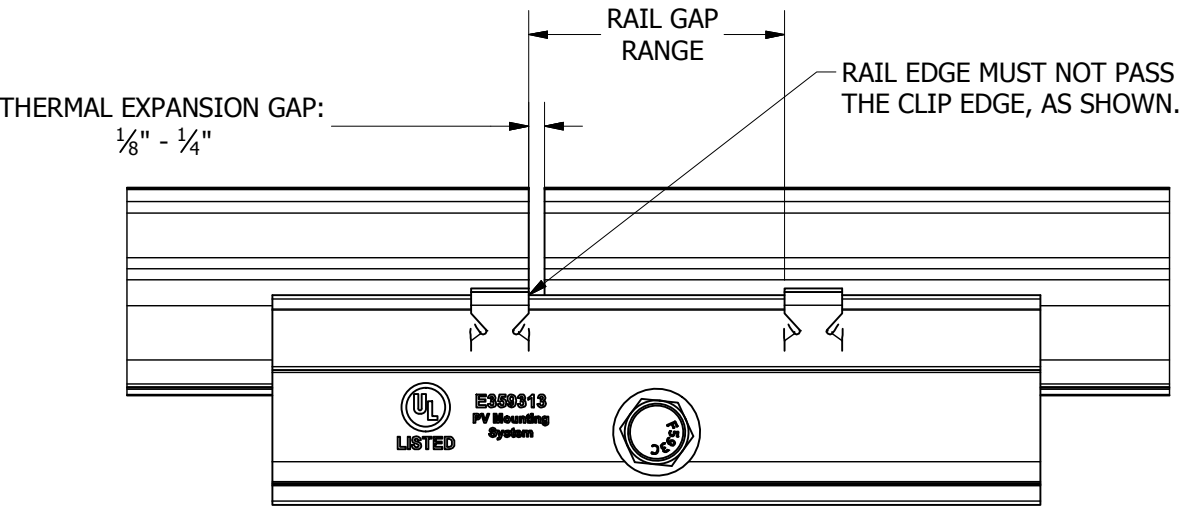
SNAPNRACK, ULTRA RAIL MOUNTING HARDWARE



SNAPNRACK, UR-40 RAIL



SNAPNRACK, UR-40 SPLICE



SPLICE ALIGNMENT LIMITS

SNAPNRACK UR-60 RAIL AND SPLICE DETAILS

REFER TO SNAPNRACK INSTALLATION MANUAL FOR
5/16"Ø HARDWARE TORQUE SPECIFICATIONS

SPLICE POSITIONING:

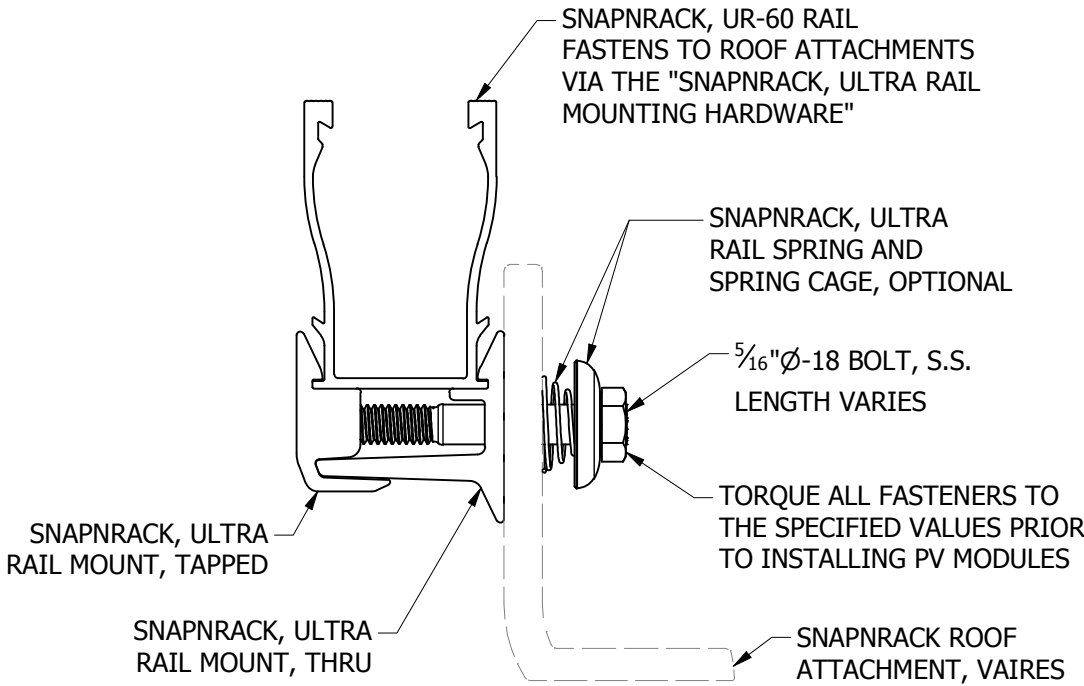
- APPROVED - ANYWHERE ALONG RAIL SPAN BETWEEN **TWO** ROOF ATTACHMENTS
- NOT APPROVED - RAIL OVERHANGS / CANTILEVERS

BIN:

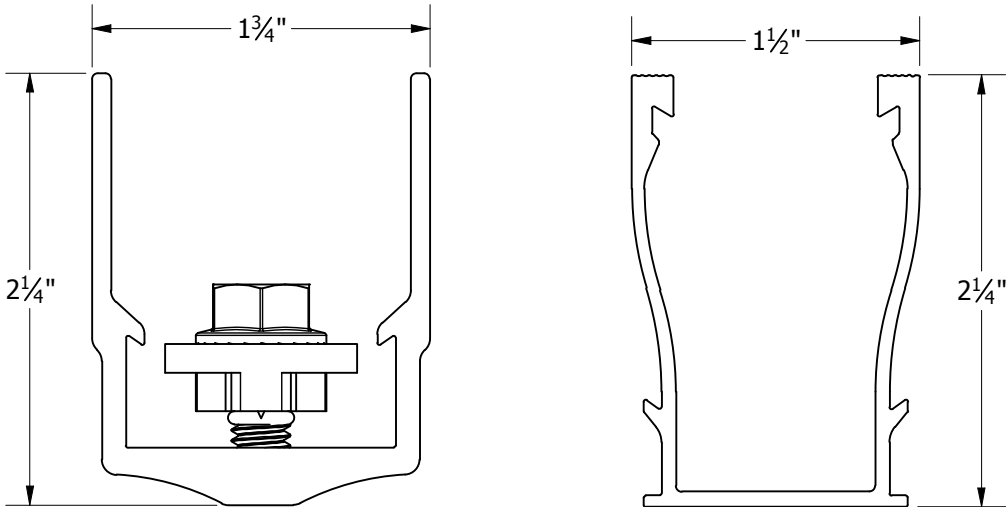
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REVISION:

1	5/7/2019	NEW DETAIL	MJA
2	7/17/2019	DRO-00138	MJA

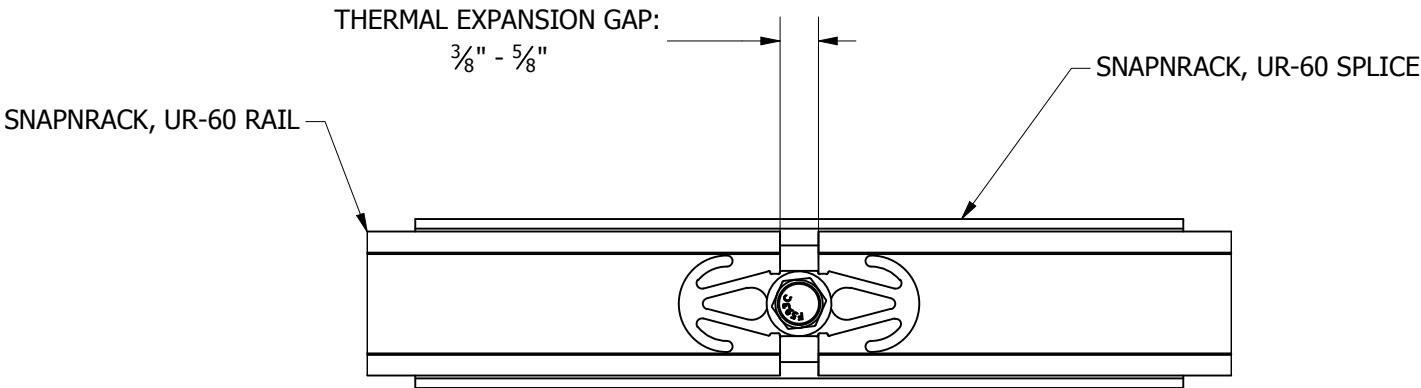


SNAPNRACK, ULTRA RAIL MOUNTING HARDWARE

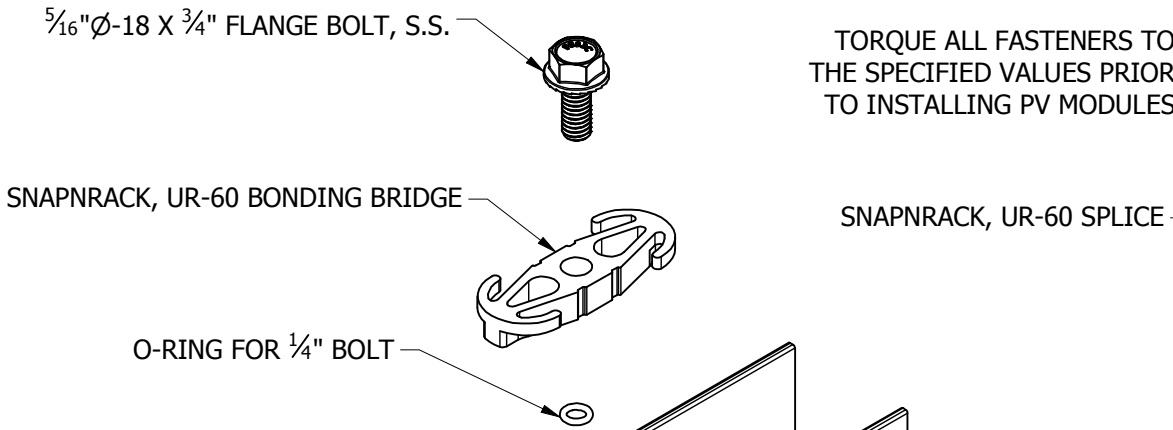


SNAPNRACK, UR-60 SPLICE

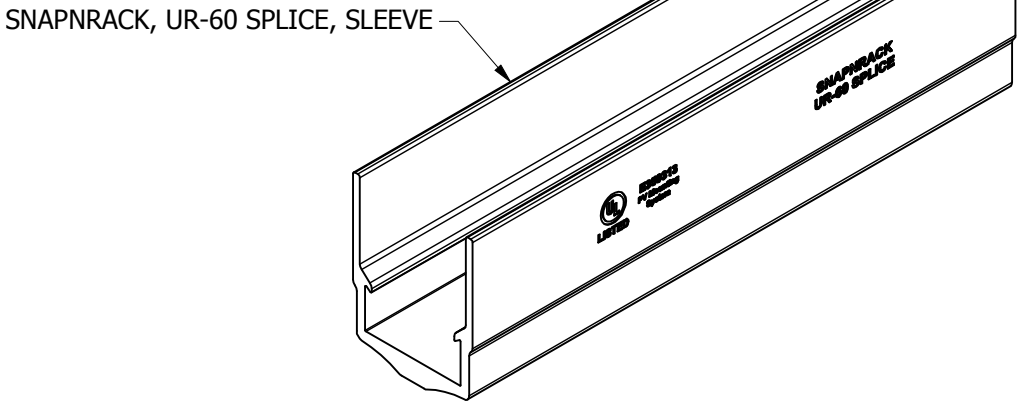
SNAPNRACK, UR-60 RAIL



SNAPNRACK, UR-60 SPLICE INSTALLED, TOP



SNAPNRACK, UR-60 SPLICE INSTALLED, FRONT



SNAPNRACK, UR-60 SPLICE, EXPLODED

STANDARD ULTRA RAIL ATTACHMENTS
FEATURE 3" OF VERTICAL ADJUSTABILTIY
WITH THE USE OF THE LEVELING EXTENSION.

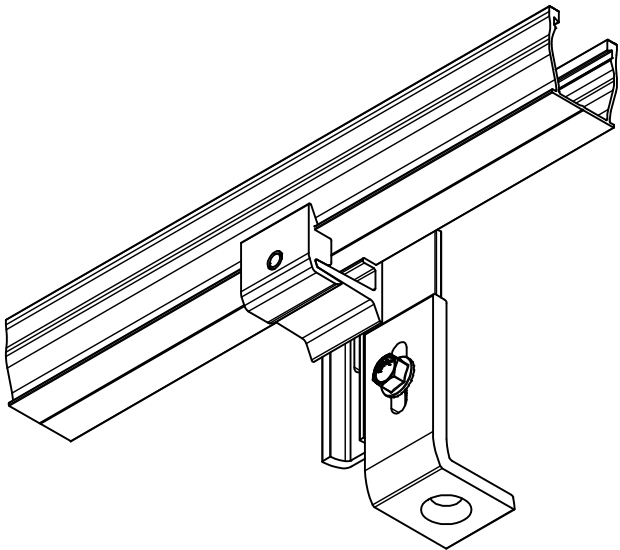
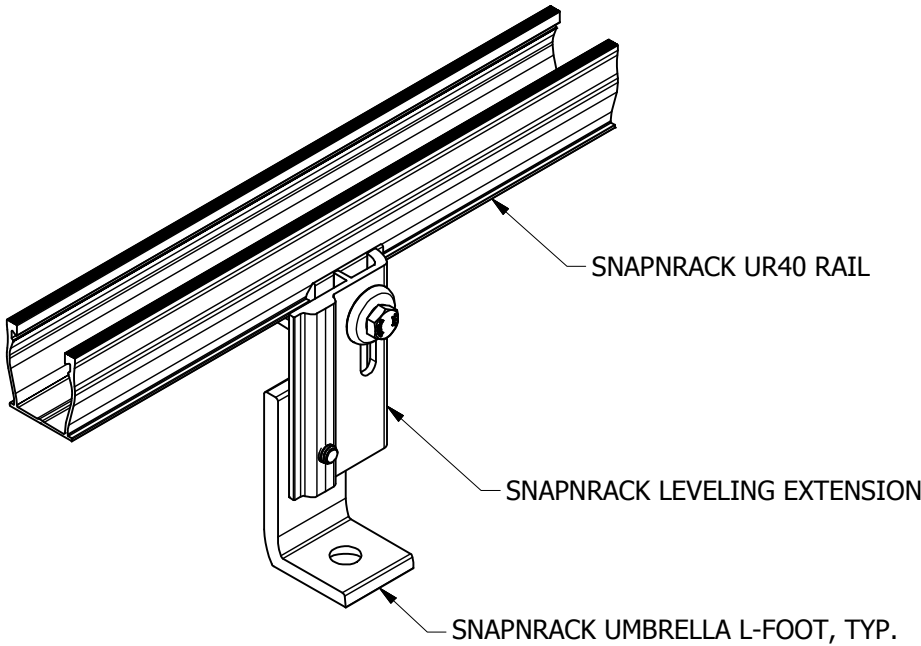
THE FIRST INCH OF ADJUSTABILITY IS
ACCOMPLISHED WITH THE SLOT FEATURE IN
THE L-FOOT.

FOR AN ADDITIONAL 2" OF HEIGHT
ADJUSTMENT, ADD THE LEVELING
EXTENSION. NOT TO EXCEED 30% OF
ATTACHMENT POINTS ON L-FEET.

LEVELING EXTENSION MAY BE USED ON ANY
SNAPNRACK L FOOT AND MOUNT BOTH
UPSLOPE OR DOWNSLOPE OF THE L FOOT

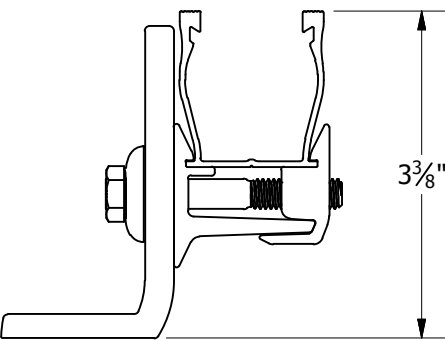
MODULE HEIGHT OFF ROOF SHOWN WITH
UR-40 RAIL ON UMBRELLA L FOOT. FOR UR-60
RAIL, ADD 5/8"

REFER TO SNAPNRACK INSTALLATION
MANUAL FOR 5/16"Ø HARDWARE TORQUE
SPECIFICATIONS

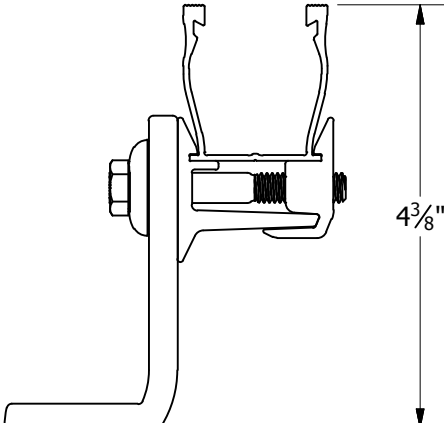


BIN:
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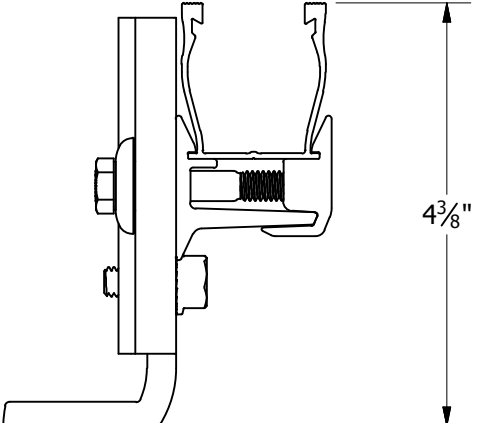
REVISION:			
1	5/7/2019	NEW DETAIL	MJA



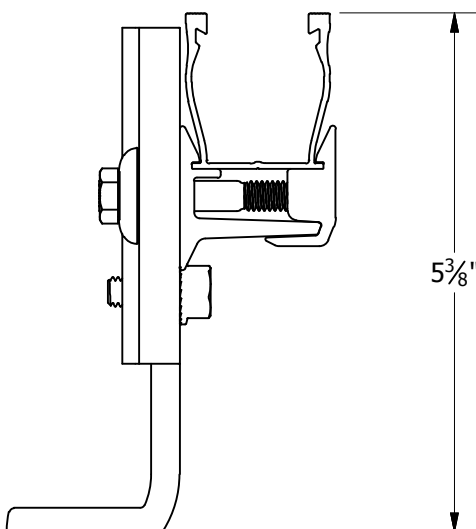
RAIL HEIGHT = 3 3/8"
ABOVE ROOF SURFACE
QTY. 1 L-FOOT, LOW SLOT



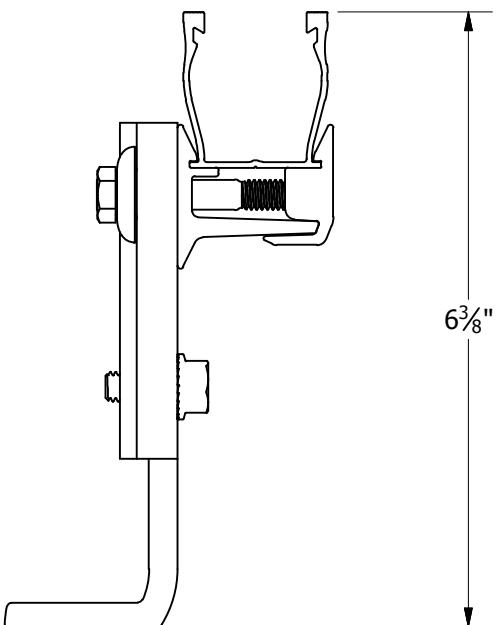
RAIL HEIGHT = 4 3/8"
ABOVE ROOF SURFACE
QTY. 1 L-FOOT, HIGH SLOT



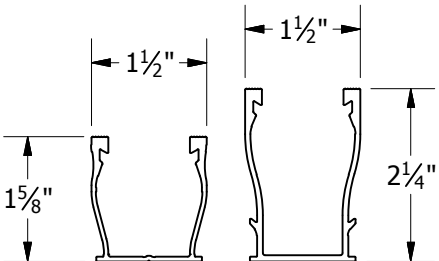
RAIL HEIGHT = 4 3/8"
ABOVE ROOF SURFACE
QTY. 1 L-FOOT, LOW SLOT
QTY. 1 EXTENSION, LOW SLOT



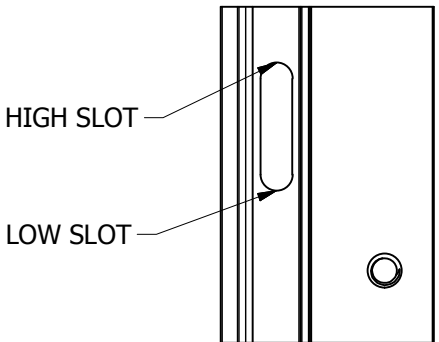
RAIL HEIGHT = 5 3/8"
ABOVE ROOF SURFACE
QTY. 1 L-FOOT, HIGH SLOT
QTY. 1 EXTENSION, LOW SLOT



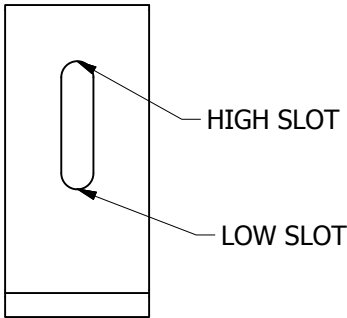
RAIL HEIGHT = 6 3/8"
ABOVE ROOF SURFACE
QTY. 1 L-FOOT, HIGH SLOT
QTY. 1 EXTENSION, HIGH SLOT



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



SNAPNRACK LEVELING EXTENSION



SNAPNRACK L FOOT, VARIES

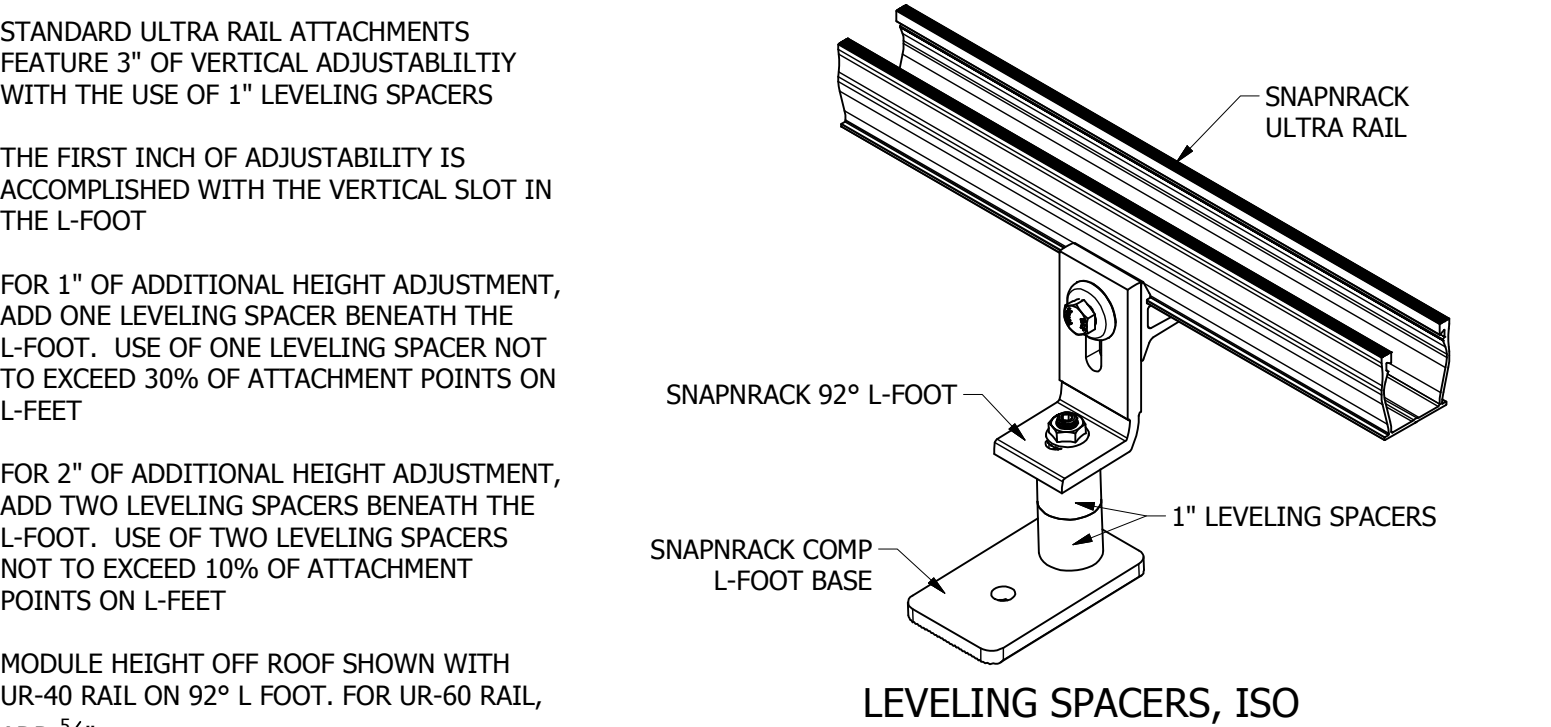
STANDARD ULTRA RAIL ATTACHMENTS
FEATURE 3" OF VERTICAL ADJUSTBLITY
WITH THE USE OF 1" LEVELING SPACERS

THE FIRST INCH OF ADJUSTABILITY IS
ACCOMPLISHED WITH THE VERTICAL SLOT IN
THE L-FOOT

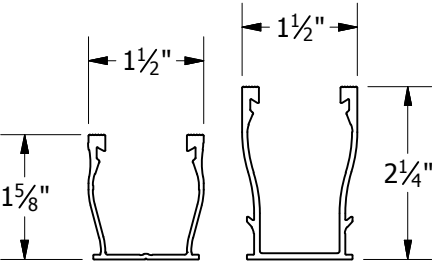
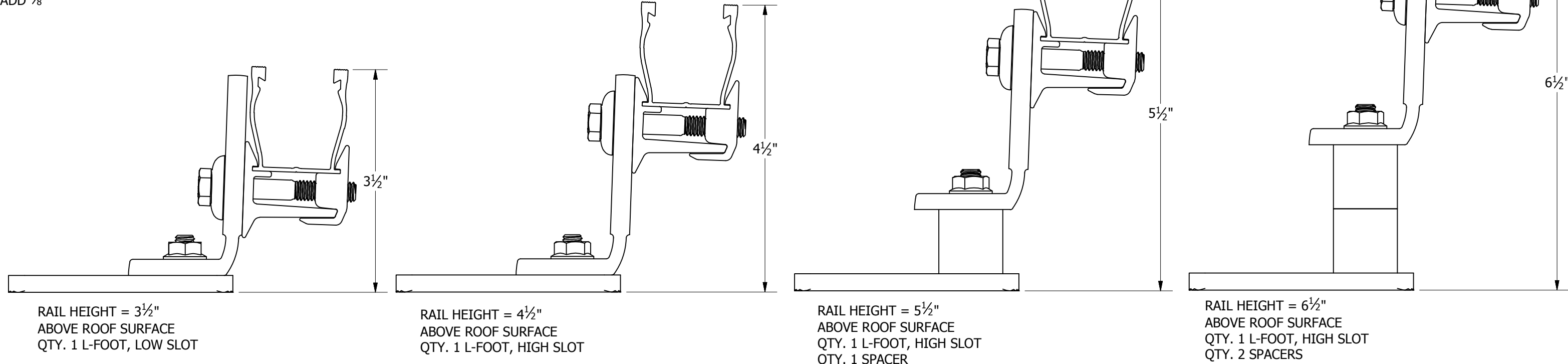
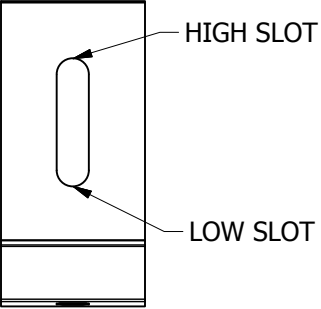
FOR 1" OF ADDITIONAL HEIGHT ADJUSTMENT,
ADD ONE LEVELING SPACER BENEATH THE
L-FOOT. USE OF ONE LEVELING SPACER NOT
TO EXCEED 30% OF ATTACHMENT POINTS ON
L-FEET

FOR 2" OF ADDITIONAL HEIGHT ADJUSTMENT,
ADD TWO LEVELING SPACERS BENEATH THE
L-FOOT. USE OF TWO LEVELING SPACERS
NOT TO EXCEED 10% OF ATTACHMENT
POINTS ON L-FEET

MODULE HEIGHT OFF ROOF SHOWN WITH
UR-40 RAIL ON 92° L FOOT. FOR UR-60 RAIL,
ADD 5/8"



SNAPNRACK 92° L-FOOT



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

ADDITIONAL LEVELING ON SNAPNRACK
ULTRA RAIL STANDARD AND HD STANDOFFS
WITH LEVELING SPACERS

MODULE HEIGHT OFF ROOF SHOWN WITH
UR-40 RAIL. FOR UR-60 RAIL, ADD 5/8"

ULTRA RAIL STANDOFF ATTACHMENTS
FEATURE 3 1/8" OF VERTICAL ADJUSTABILITY
WITH THE USE OF 1" LEVELING SPACERS.

THE FIRST 1 1/8" OF ADJUSTABILITY IS
ACCOMPLISHED WITH SLIDING FEATURES
BUILT INTO STANDOFF CLAMP COMPONENTS

FOR 1" OF ADDITIONAL HEIGHT
ADJUSTMENT, ADD ONE LEVELING SPACER
ON TOP OF THE STANDOFF. USE OF ONE
LEVELING SPACER NOT TO EXCEED 30% OF
ATTACHMENT POINTS ON 10" STANDOFFS.

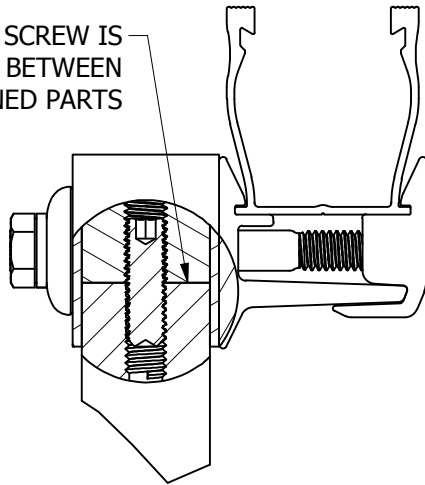
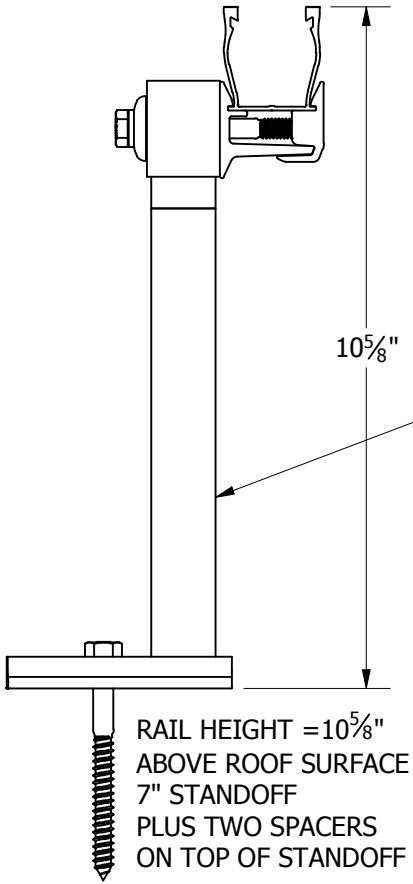
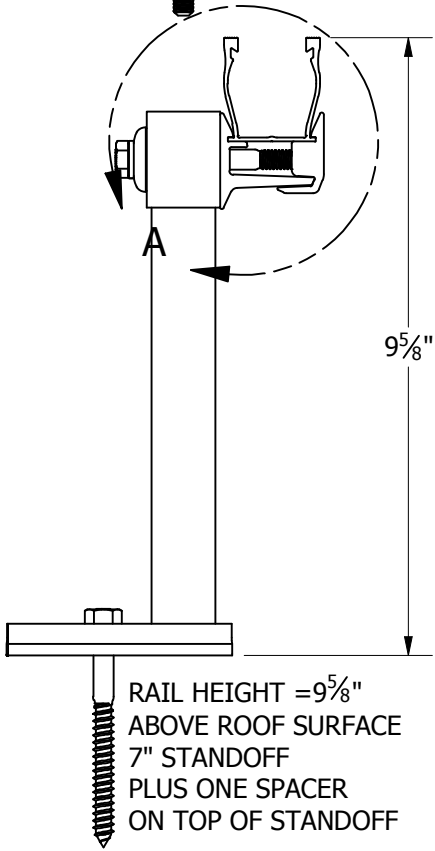
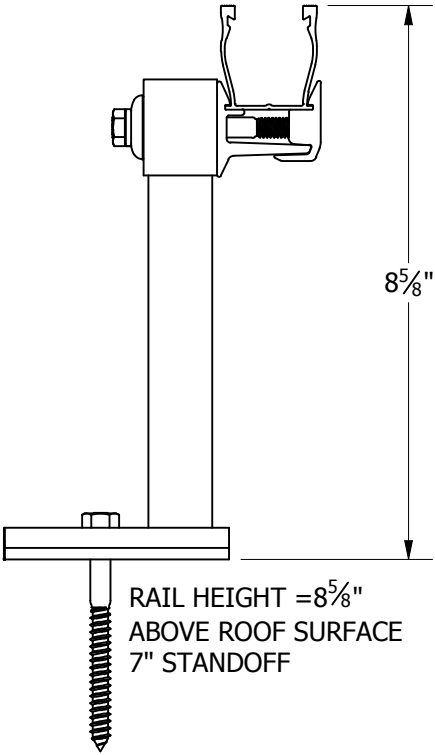
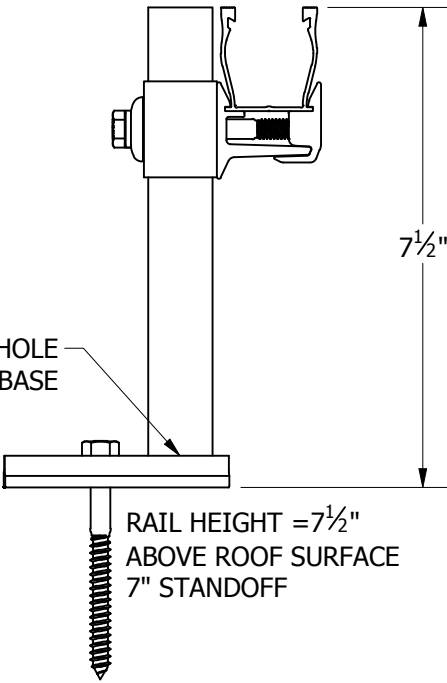
FOR 2" OF ADDITIONAL HEIGHT
ADJUSTMENT, ADD TWO LEVELING SPACERS
ON TOP OF THE STANDOFF. USE OF TWO
LEVELING SPACERS NOT TO EXCEED 10% OF
ATTACHMENT POINTS ON 10" STANDOFFS

HD STANDOFFS ONLY:

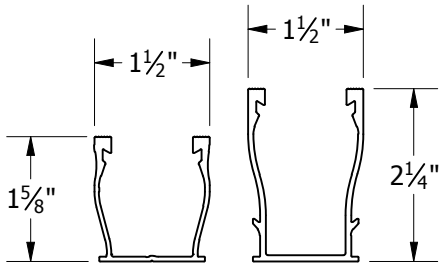
THE LIMITS ABOVE APPLY AT THE MAXIMUM
STANDOFF HEIGHT DEPENDING ON THE
STANDOFF BASE BEING USED. FOR HD
STANDOFF ON HD STANDOFF BASE, THE
MAXIMUM STANDOFF HEIGHT (BEFORE
APPLYING THE LIMITATIONS ABOVE) IS 12"

SNAPNRACK, ULTRA RAIL
HD STANDOFF KIT

SNAPNRACK, ULTRA RAIL
STANDARD STANDOFF KIT



DETAIL A:
SET SCREW PLACEMENT



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902
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DESIGNER: G.MCPHEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 6/18/2019

DRAWING NUMBER:
SNR-DC-00334

DESCRIPTION:
ULTRA RAIL, COMPONENT DETAIL, LEVELING
SPACER ON STANDOFF

REV:
1

THE SNAPNRACK FIXED TILT IS A SIMPLE SOLUTION FOR INSTALLATIONS REQUIRING MODULE TILT BEYOND THE EXISTING ROOF SLOPE. IT IS DESIGNED FOR TILT ANGLES FROM 0°-30° ABOVE THE HORIZONTAL UTILIZING FIXED STANDOFF HEIGHTS

THE SNAPNRACK FIXED TILT IS COMPATIBLE WITH THE VARIOUS SNAPNRACK ROOF ATTACHMENTS SHOWN. REFER TO SPECIFIC "ATTACHMENT DETAIL"

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

REFER TO THE SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

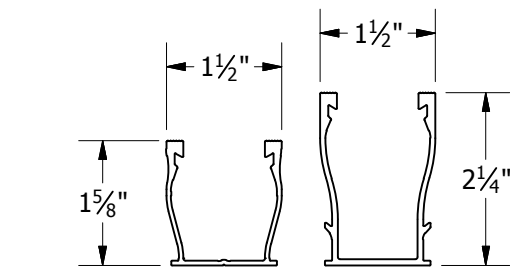
FOR ADDITIONAL SYSTEM REQUIREMENTS, INCLUDING MODULE OVERHANG, SEE "SNR-DC-00329 ULTRA RAIL, SYSTEM OVERVIEW, TYPICAL"

FOR LEVELING REQUIREMENTS SEE "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

RAILS CAN BE MOUNTED UPSLOPE OR DOWNSLOPE OF THE TILT LEGS

TILT ANGLE MUST ALWAYS BE IN SAME DIRECTION AS ROOF PITCH. REVERSE TILT NOT SUPPORTED

**SITE-SPECIFIC ANALYSIS IS REQUIRED IF A TALLER STANDOFF IS NECESSARY FOR PROPER INSTALLATION

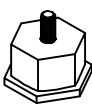


UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

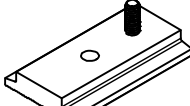


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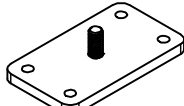
*COMPATIBLE ROOF ATTACHMENTS FOR FIXED TILT



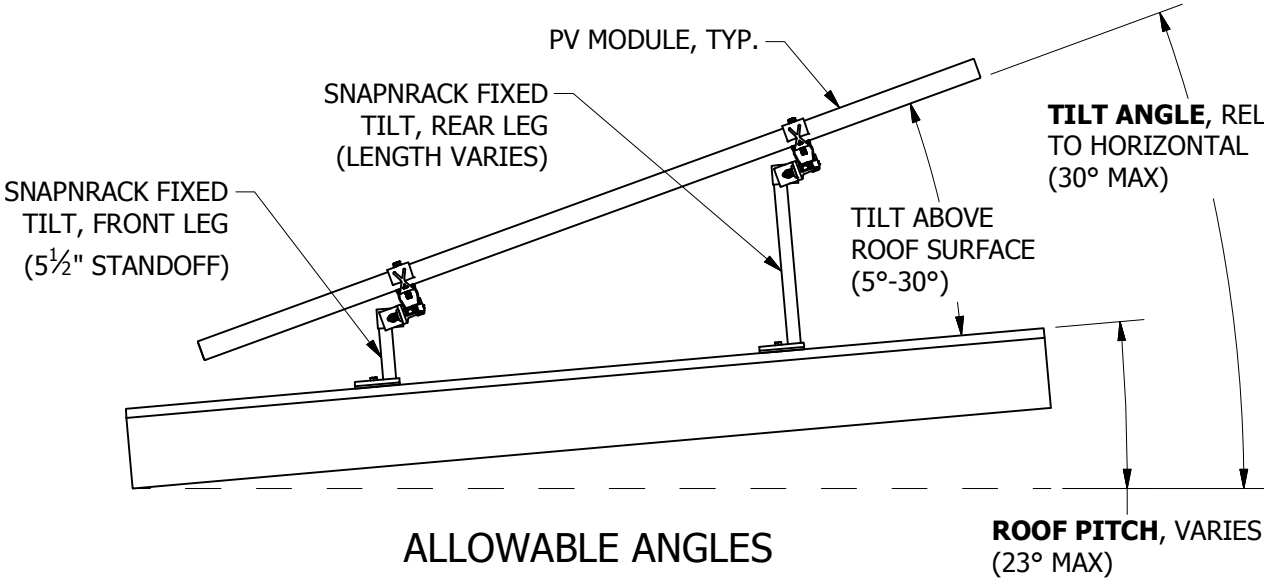
METAL ROOF BASE:
BIN 10
DETAIL: SNR-DC-00352
DETAIL: SNR-DC-00353



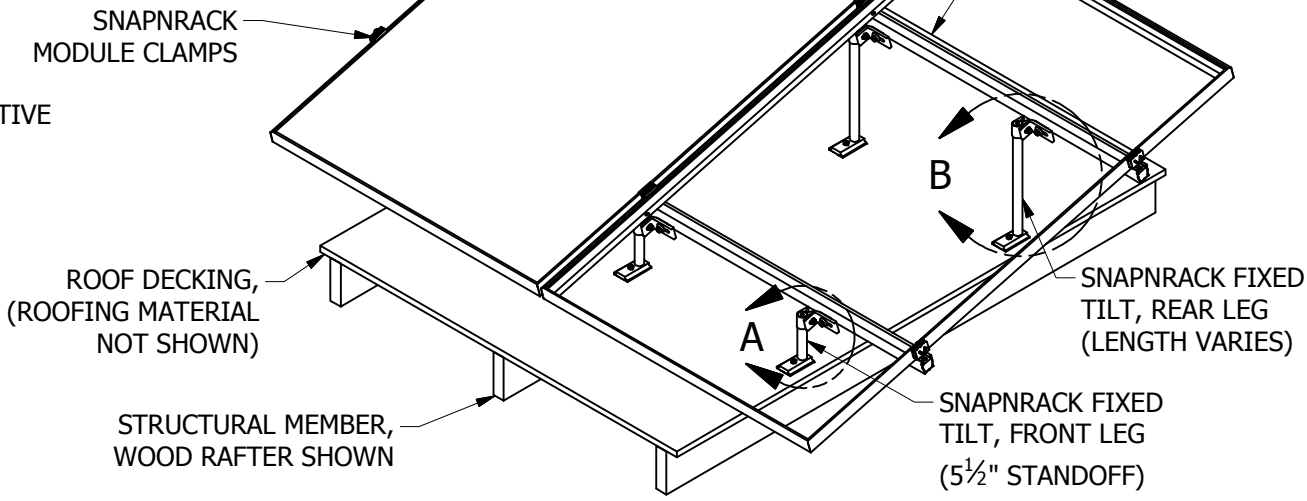
1-HOLE BASE:
BIN 10
DETAIL: SNR-DC-00348
DETAIL: SNR-DC-00349



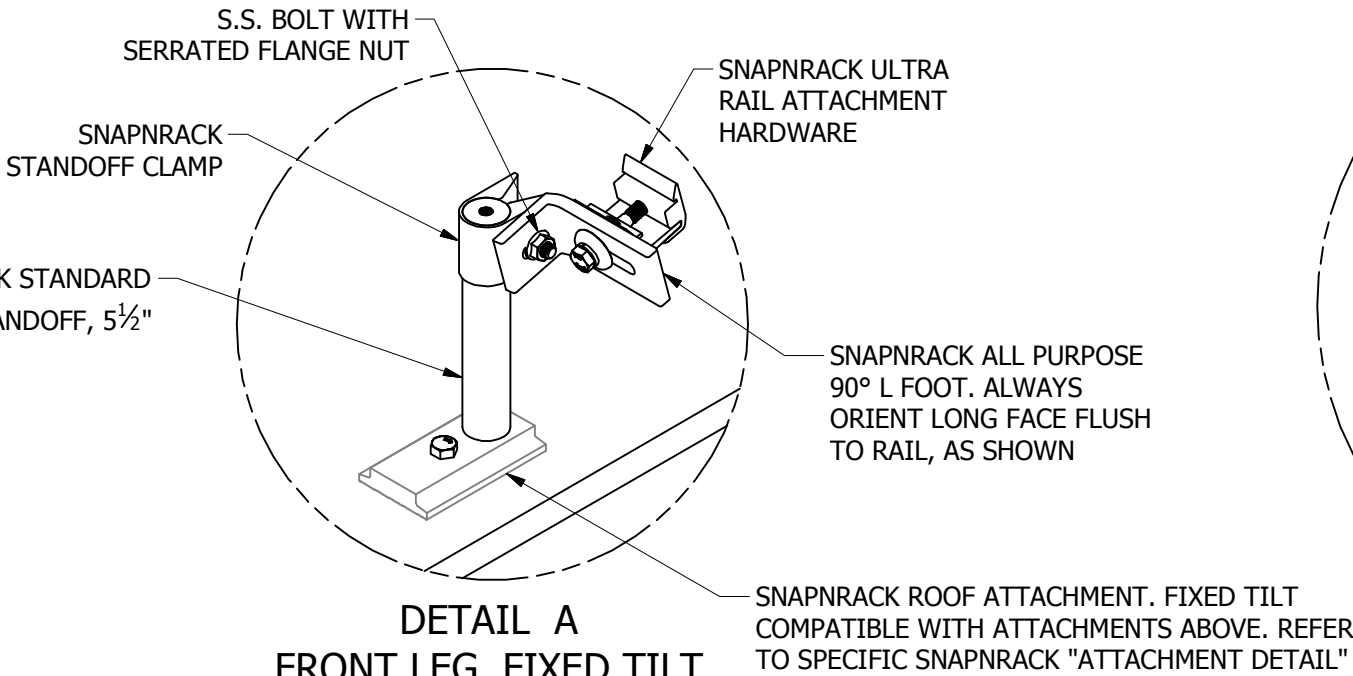
4-HOLE BASE:
BIN 11
DETAIL: SNR-DC-00350
DETAIL: SNR-DC-00357
DETAIL: SNR-DC-00358
DETAIL: SNR-DC-00359



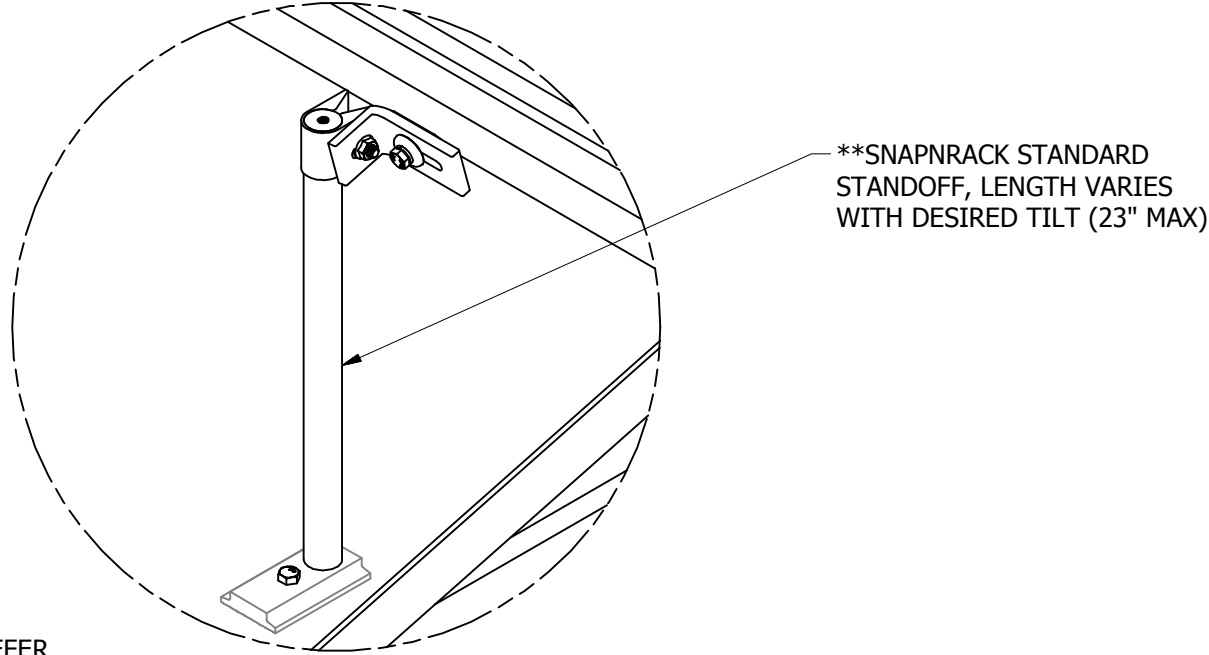
ALLOWABLE ANGLES



FIXED TILT, INSTALLED



DETAIL A
FRONT LEG, FIXED TILT
(RAIL HIDDEN)



DETAIL B
REAR LEG, FIXED TILT

BIN:
*10, *11

REVISION:		
1	5/7/2019	NEW DETAIL MJA

DESIGNER: G.MCHPEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00335

DESCRIPTION:
ULTRA RAIL, SYSTEM DETAIL, FIXED TILT

REV:
1

THE SNAPNRACK VARIABLE TILT WITH L FOOT IS A VERSATILE METAL ROOF SOLUTION FOR INSTALLATIONS REQUIRING MODULE TILT BEYOND THE EXISTING ROOF SLOPE. IT IS DESIGNED FOR TILT ANGLES FROM 10°-30° ABOVE THE HORIZONTAL UTILIZING HD STANDOFFS AND A REAR LEG EXTENSION

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

REFER TO THE SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

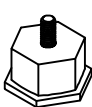
FOR ADDITIONAL SYSTEM REQUIREMENTS, INCLUDING MODULE OVERHANG, SEE "SNR-DC-00329 ULTRA RAIL, SYSTEM OVERVIEW, TYPICAL"

FOR LEVELING REQUIREMENTS SEE "SNR-DC-00332 ULTRA RAIL, COMPONENT DETAIL, LEVELING EXTENSION KIT"

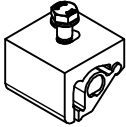
RAILS CAN BE MOUNTED UPSLOPE OR DOWNSLOPE OF THE TILT LEGS

TILT ANGLE MUST ALWAYS BE IN SAME DIRECTION AS ROOF PITCH. REVERSE TILT NOT SUPPORTED

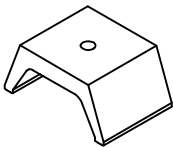
*COMPATIBLE ROOF ATTACHMENTS FOR VARIABLE TILT WITH L FOOT



METAL ROOF BASE:
BIN 12
DETAIL: SNR-DC-00352
DETAIL: SNR-DC-00353



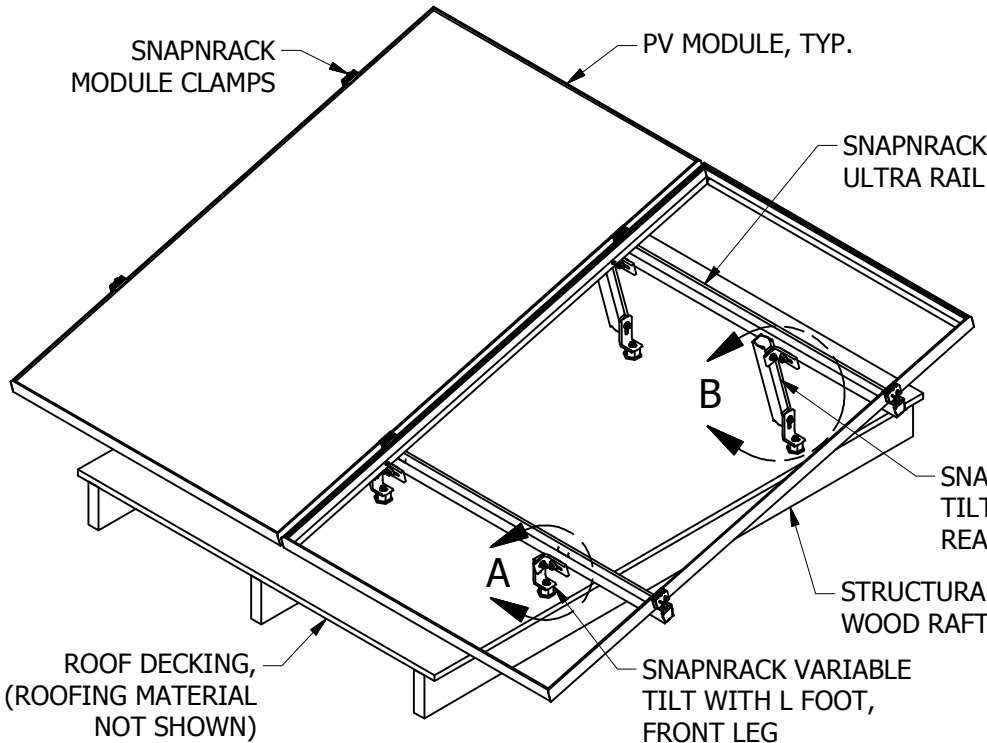
SEAM CLAMP:
BIN 13
DETAIL: SNR-DC-00342



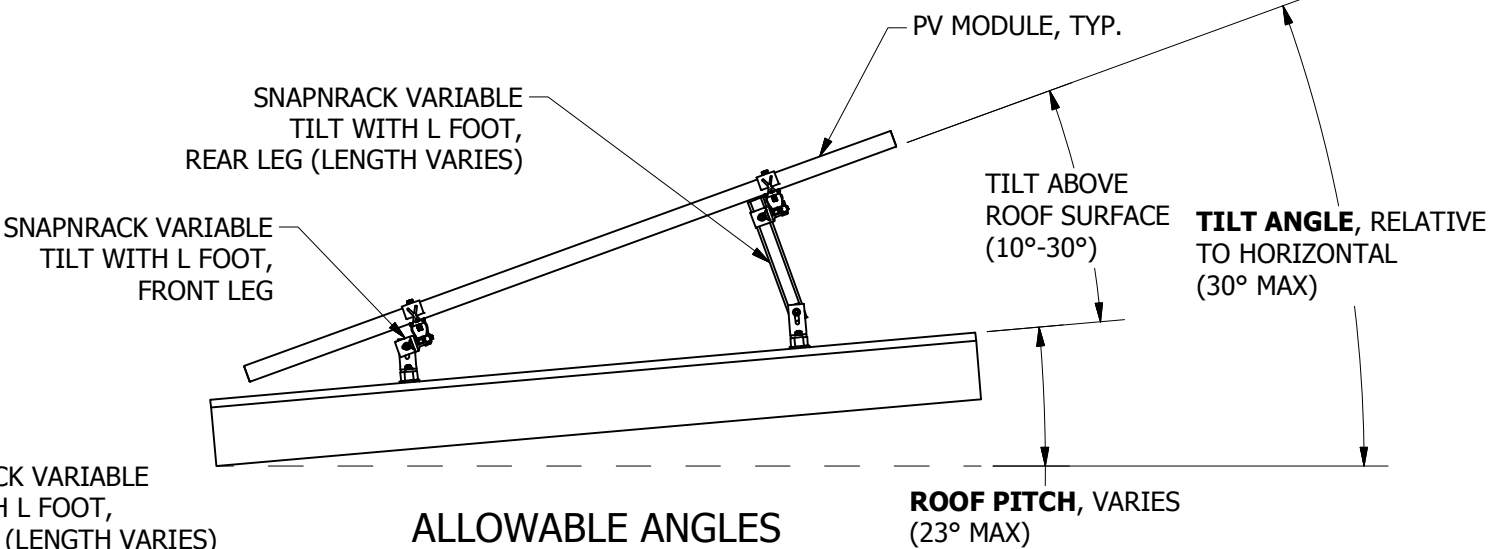
CORRUGATED STRADDLE BLOCK:
BIN 14
DETAIL: SNR-DC-00343

BIN:
*12, *13, *14

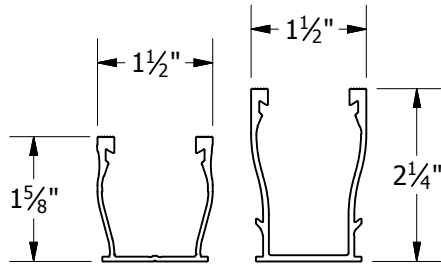
REVISION:		
1	5/7/2019	NEW DETAIL MJA



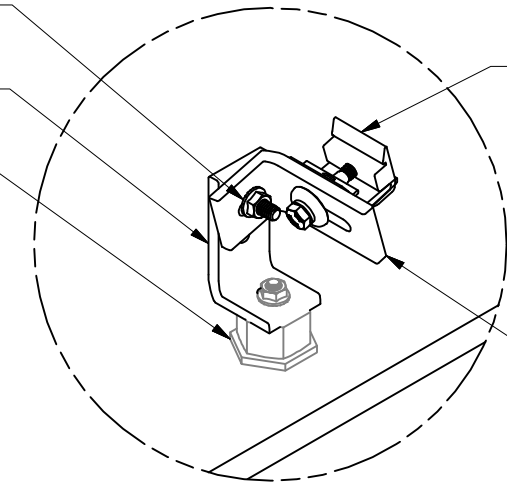
VARIABLE TILT WITH L FOOT, INSTALLED



5/16"Ø X 1 1/4" S.S. FLANGE BOLT WITH S.S. SERRATED FLANGE NUT
SNAPNRACK ALL PURPOSE 90° L FOOT
SNAPNRACK ROOF ATTACHMENT. VARIABLE TILT WITH L FOOT IS COMPATIBLE WITH ATTACHMENTS LISTED ABOVE. REFER TO SPECIFIC SNAPNRACK "ATTACHMENT DETAIL"



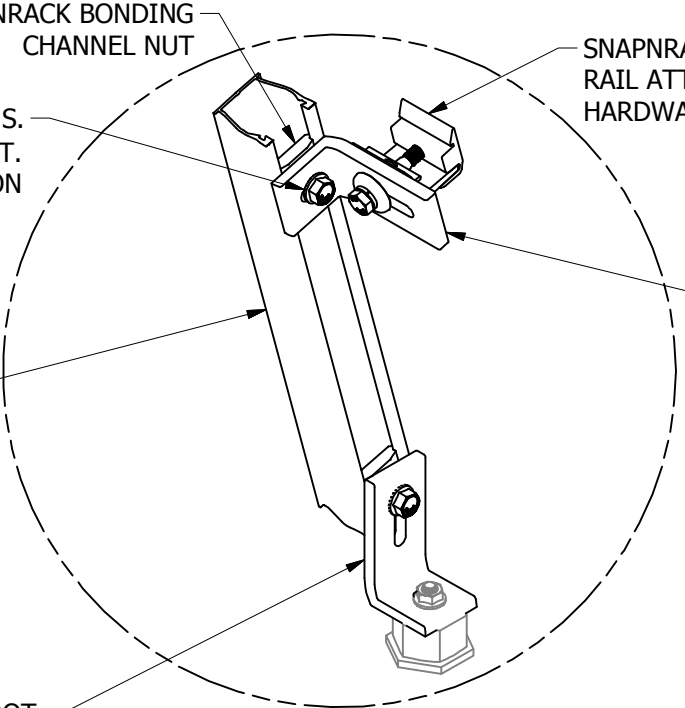
UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



DETAIL A
FRONT LEG, VARIABLE TILT WITH L FOOT (RAIL HIDDEN)

SNAPNRACK ULTRA RAIL ATTACHMENT HARDWARE
VARIABLE TILT REAR LEG, CUT FROM UR-40 OR UR-60 RAIL. LENGTH VARIES WITH DESIRED TILT
SNAPNRACK ALL PURPOSE 90° L FOOT. ALWAYS ORIENT LONG FACE FLUSH TO RAIL, AS SHOWN

SNAPNRACK ALL PURPOSE 90° L FOOT WITH BONDING CHANNEL NUT, S.S. BOLT AND LOCK WASHER. TORQUE TO SPECIFICATION



DETAIL B
REAR LEG, VARIABLE TILT WITH L FOOT (RAIL HIDDEN)

SNAPNRACK BONDING CHANNEL NUT
5/16"Ø X 1 1/4" S.S. SERRATED FLANGE BOLT. TORQUE TO SPECIFICATION
SNAPNRACK ULTRA RAIL ATTACHMENT HARDWARE
SNAPNRACK ALL PURPOSE 90° L FOOT. ALWAYS ORIENT LONG FACE FLUSH TO RAIL, AS SHOWN



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
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DESIGNER: G.MCHPEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00336

DESCRIPTION:
ULTRA RAIL, SYSTEM DETAIL, VARIABLE TILT WITH L FOOT

REV: 1

THE SNAPNRACK VARIABLE TILT WITH STANDOFF IS A VERSATILE SOLUTION FOR INSTALLATIONS REQUIRING MODULE TILT BEYOND THE EXISTING ROOF SLOPE. IT IS DESIGNED FOR TILT ANGLES FROM 10°-30° ABOVE THE HORIZONTAL UTILIZING HD STANDOFFS AND A REAR LEG EXTENSION

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

REFER TO THE SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

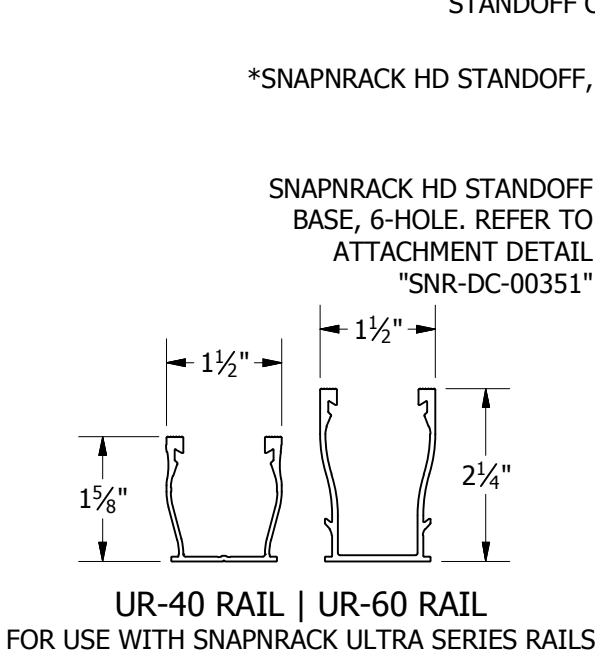
FOR ADDITIONAL SYSTEM REQUIREMENTS, INCLUDING MODULE OVERHANG, SEE "SNR-DC-00329 ULTRA RAIL, SYSTEM OVERVIEW, TYPICAL"

FOR LEVELING REQUIREMENTS SEE "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

RAILS CAN BE MOUNTED UPSLOPE OR DOWNSLOPE OF THE TILT LEGS

TILT ANGLE MUST ALWAYS BE IN SAME DIRECTION AS ROOF PITCH. REVERSE TILT NOT SUPPORTED

*SITE-SPECIFIC ANALYSIS IS REQUIRED IF A TALLER STANDOFF IS NECESSARY FOR PROPER INSTALLATION



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DESIGNER: G.MCHPEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER: SNR-DC-00337

DESCRIPTION: ULTRA RAIL, SYSTEM DETAIL, VARIABLE TILT WITH STANDOFF

REV: 1

BIN: 12

REVISION:		
1	5/7/2019	NEW DETAIL MJA

THE SNAPNRACK TILT LEG PLUS IS A SIMPLE SOLUTION FOR INSTALLATIONS REQUIRING MODULE TILT BEYOND THE EXISTING ROOF SLOPE. IT IS DESIGNED FOR A FIXED 10° TILT ANGLE ABOVE THE HORIZONTAL

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

REFER TO PENETRATION DETAIL VIEWS FOR DETAILS ON ATTACHING TO BOTH WOOD STRUCTURAL MEMBERS AND CONCRETE

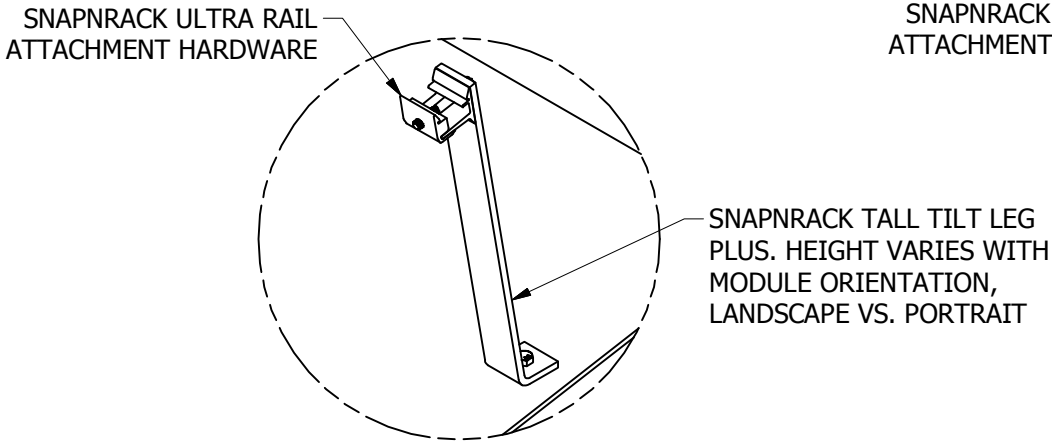
REFER TO THE SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

FOR ADDITIONAL SYSTEM REQUIREMENTS, INCLUDING MODULE OVERHANG, SEE "SNR-DC-00329 ULTRA RAIL, SYSTEM OVERVIEW, TYPICAL"

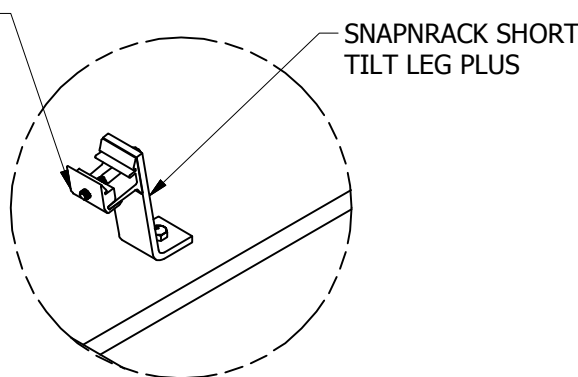
THE TILT LEG PLUS FEATURES 1" OF VERTICAL ADJUSTABILITY FOR LEVELING RAILS

RAILS CAN BE MOUNTED UPSLOPE OR DOWNSLOPE OF THE TILT LEGS

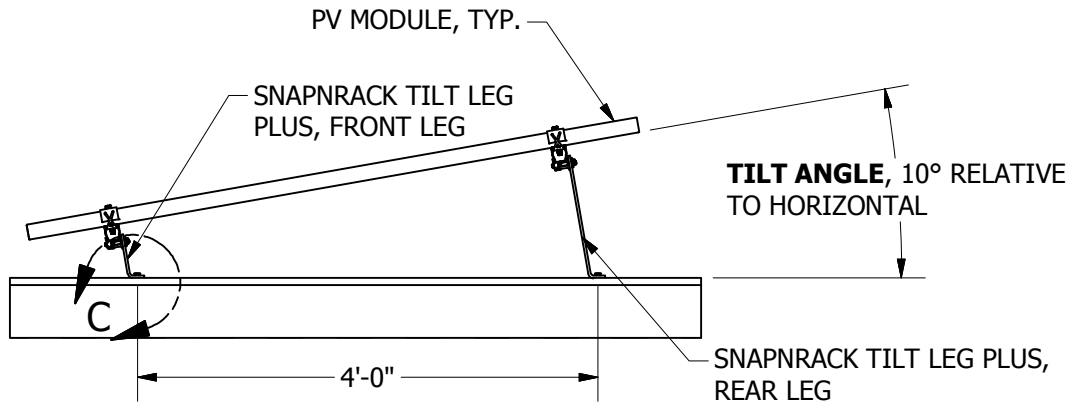
TILT ANGLE MUST ALWAYS BE IN SAME DIRECTION AS ROOF PITCH. REVERSE TILT NOT SUPPORTED



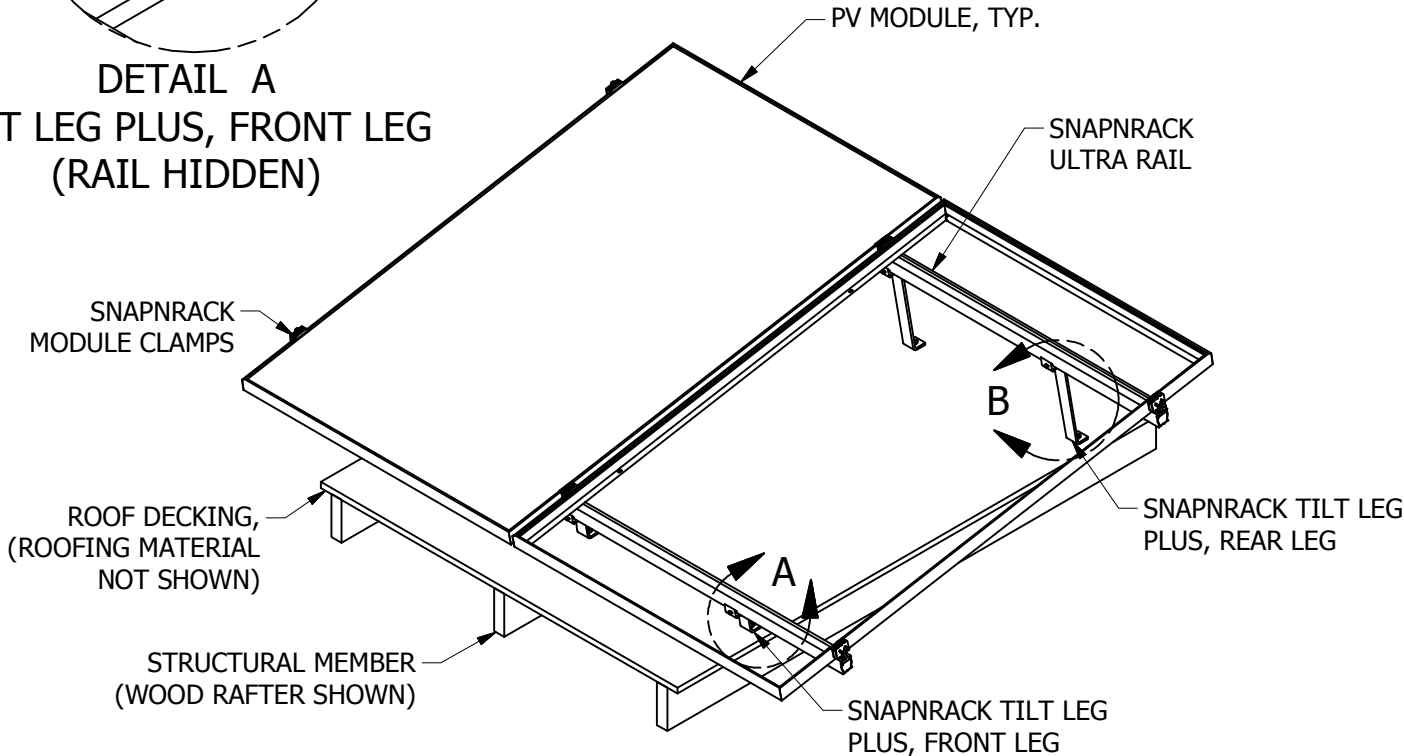
DETAIL B
TILT LEG PLUS, REAR LEG
(RAIL HIDDEN)



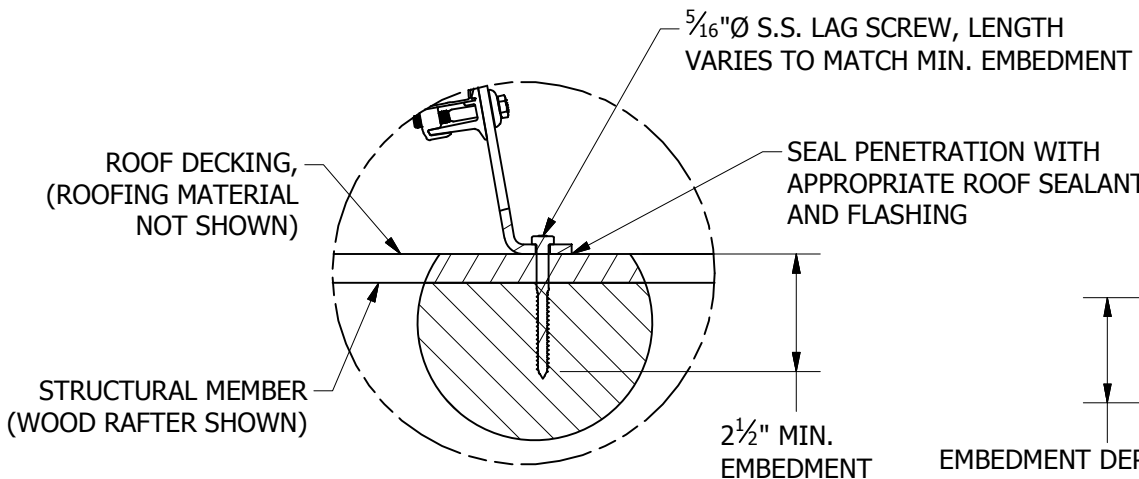
DETAIL A
TILT LEG PLUS, FRONT LEG
(RAIL HIDDEN)



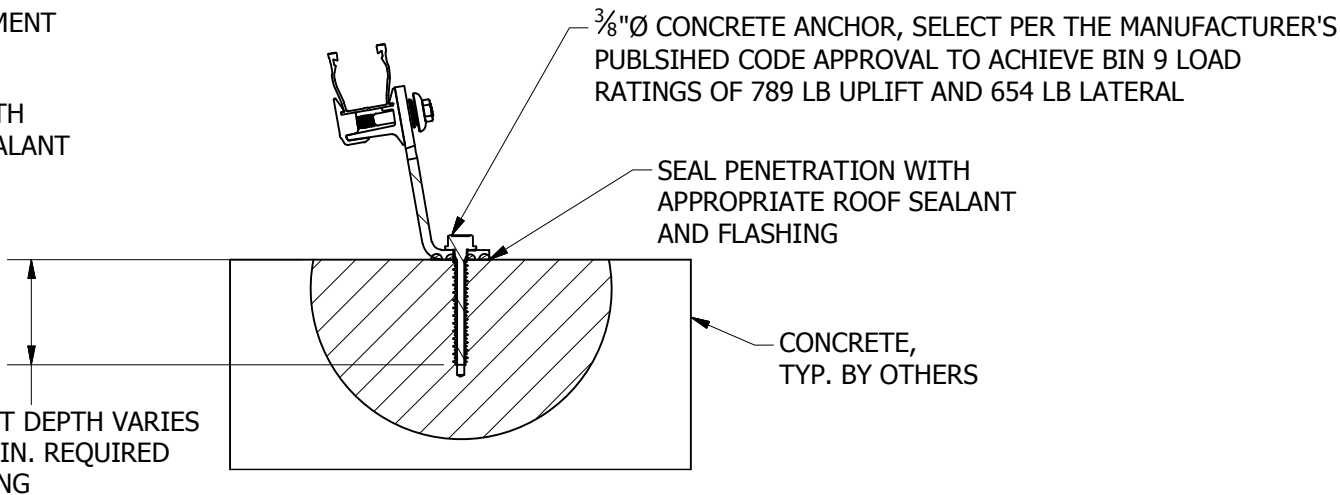
TILT ANGLE
FLAT ROOF ONLY



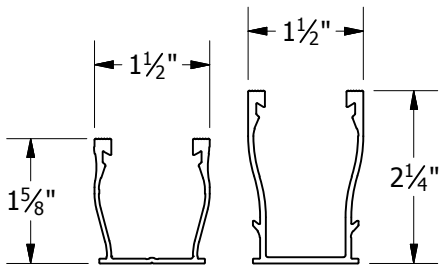
FIXED TILT, INSTALLED



DETAIL C
PENETRATION DETAIL:
WOOD MEMBER



PENETRATION DETAIL:
CONCRETE



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

SNAPNRACK ULTRA RAIL UMBRELLA L FOOT WITH UMBRELLA FLASHING FOR COMPOSTION ROOF MOUNTING

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

5/16"Ø S.S. UMBRELLA LAG SCREW MUST EMBED A MIN. OF 2 1/2" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAIL CAN BE MOUNTED ON EITHER SIDE OF THE L-FOOT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00332 ULTRA RAIL, COMPONENT DETAIL, LEVELING EXTENSION KIT"

MODULE HEIGHT OFF ROOF, RANGE:

UR-40: 3 3/8" - 4 3/8"

UR-60: 4" - 5"

SNAPNRACK ULTRA RAIL UMBRELLA L-FOOT

COMP SHINGLE ROOFING, TYP.

ROOF DECKING, TYP.

SNAPNRACK 5/16"Ø S.S. UMBRELLA LAG SCREW, TYP.

STRUCUTRAL MEMBER, WOOD RAFTER, TYP.

SNAPNRACK ULTRA RAIL

2 1/2" MIN. EMBEDMENT INTO WOOD MEMBER

PENETRATION DETAIL

SNAPNRACK EPDM UMBRELLA GASKET (SEALS UMBRELLA LAG AND UMBRELLA CONE)

UMBRELLA CONE ON FLASHING TO SHIELD WATER

SNAPNRACK UMBRELLA FLASHING MUST SLIP BENEATH THE UPSLOPE SHINGLE COURSE

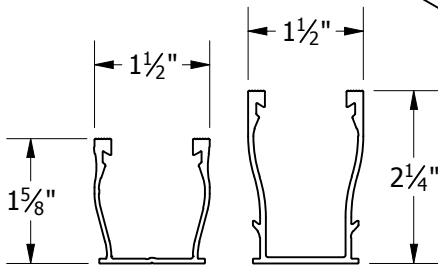
FLASHING SHOULD EXTEND TO END OF DOWNSLOPE SHINGLE COURSE

ROOF DECKING

STRUCTURAL MEMBER (RAFTER)

DETAIL A

INSTALLED SECTION VIEW



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

BIN:

8

REVISION:

1	5/7/2019	NEW DETAIL	MJA
1	6/18/2019	DRO-00138	MJA

SNAPNRACK FLASHED L FOOT FOR COMPOSTION ROOF MOUNTING

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

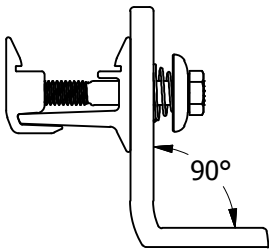
5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF 2½" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

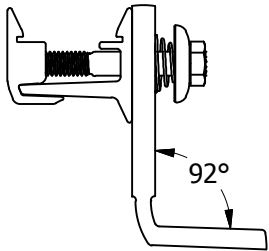
RAIL CAN BE MOUNTED ON EITHER SIDE OF THE L-FOOT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00332 ULTRA RAIL, COMPONENT DETAIL, LEVELING EXTENSION KIT" AND/OR "SNR-DC-00333 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON FLASHED L FOOT"

***THE FLASHED L FOOT BASE IS COMPATIBLE WITH THE FOLLOWING SNAPNRACK L FOOT ASSEMBLIES:**



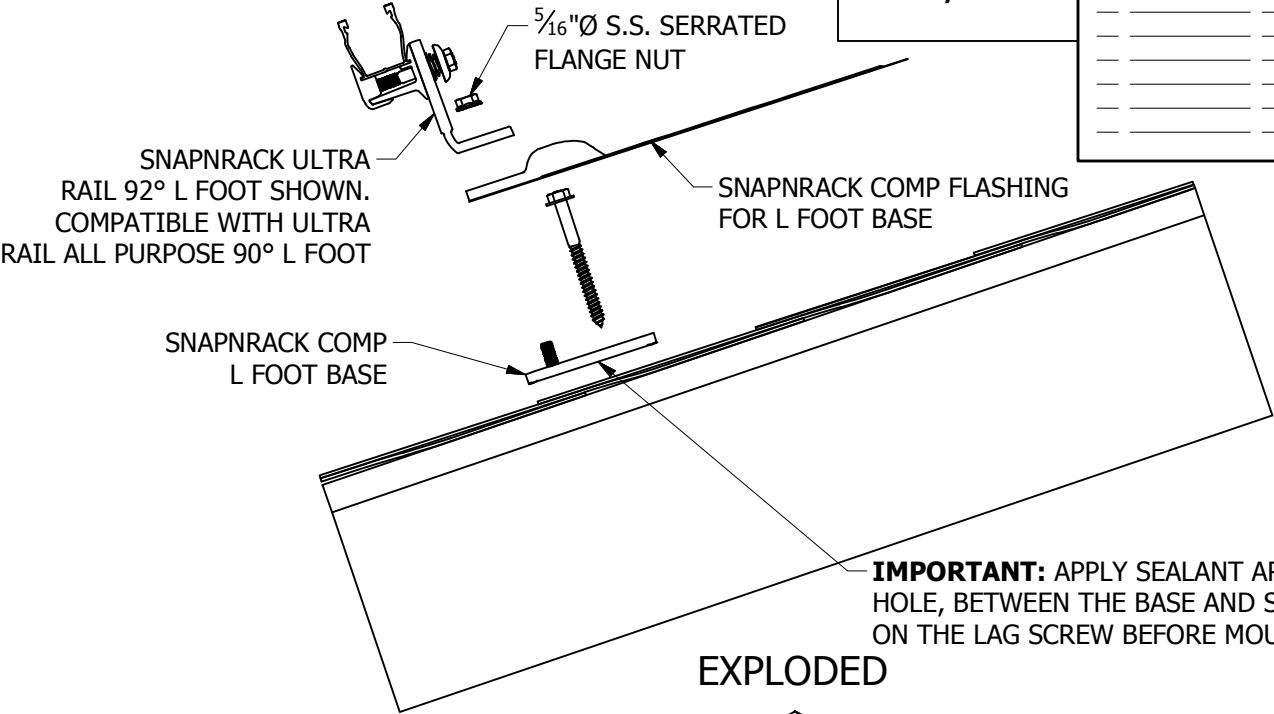
ULTRA RAIL ALL PURPOSE 90° L FOOT: **BIN 5**



ULTRA RAIL 92° L FOOT: **BIN 3**

BIN: ***3, *5**

REVISION:		
1	5/7/2019	NEW DETAIL MJA



MODULE HEIGHT OFF ROOF, RANGE:

UR-40: 3½" - 4½"

UR-60: 4⅛" - 5⅛"

SNAPNRACK ULTRA RAIL

SNAPNRACK ULTRA RAIL 92° L FOOT SHOWN. COMPATIBLE WITH ULTRA RAIL ALL PURPOSE 90° L FOOT

L-FOOT TO BASE ATTACHMENT DOWNSLOPE FROM ROOF PENETRATION

FLASHING SHIELDS ENTIRE ROOF PENTRATION

5/16"Ø LAG SCREW S.S.

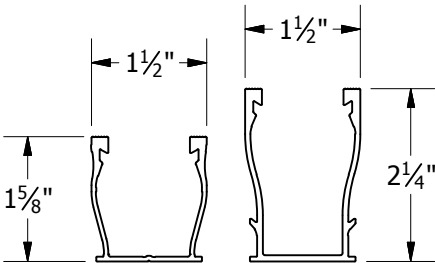
COMP SHINGLE ROOFING, TYP.

ROOF DECKING, TYP.

WOOD RAFTER SHOWN, SIMILAR AT OTHER STRUCTURAL MEMBER TYPES

2½" MIN. EMBEDMENT INTO WOOD MEMBER

PENETRATION DETAIL



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

SNAPNRACK COMP FLASHING MUST SLIP UNDER THE UPSLOPE SHINGLE COURSE

FLASHING SHOULD EXTEND TO END OF DOWNSLOPE SHINGLE COURSE

INSTALLED VIEW



Sunrun South LLC
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DESIGNER: M.AFFENTRANGER
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00340

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, FLASHED L FOOT TO RAFTER

REV: **1**

SNAPNRACK TILE REPLACEMENT FOR MOUNT ON TILE ROOFS

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

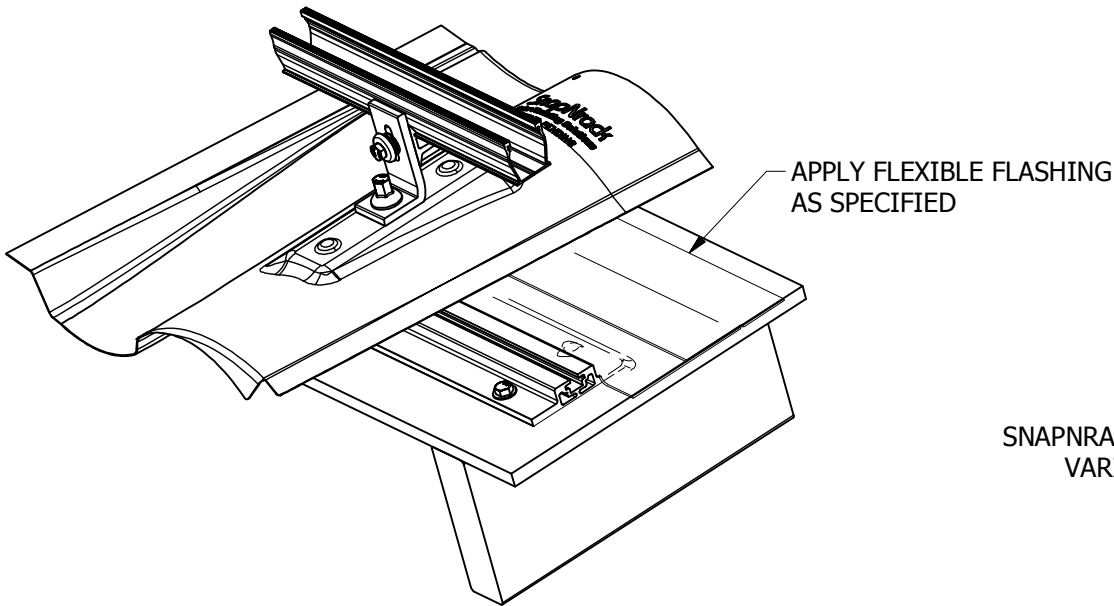
5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF 2 1/2" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAIL CAN BE MOUNTED ON EITHER SIDE OF THE L-FOOT

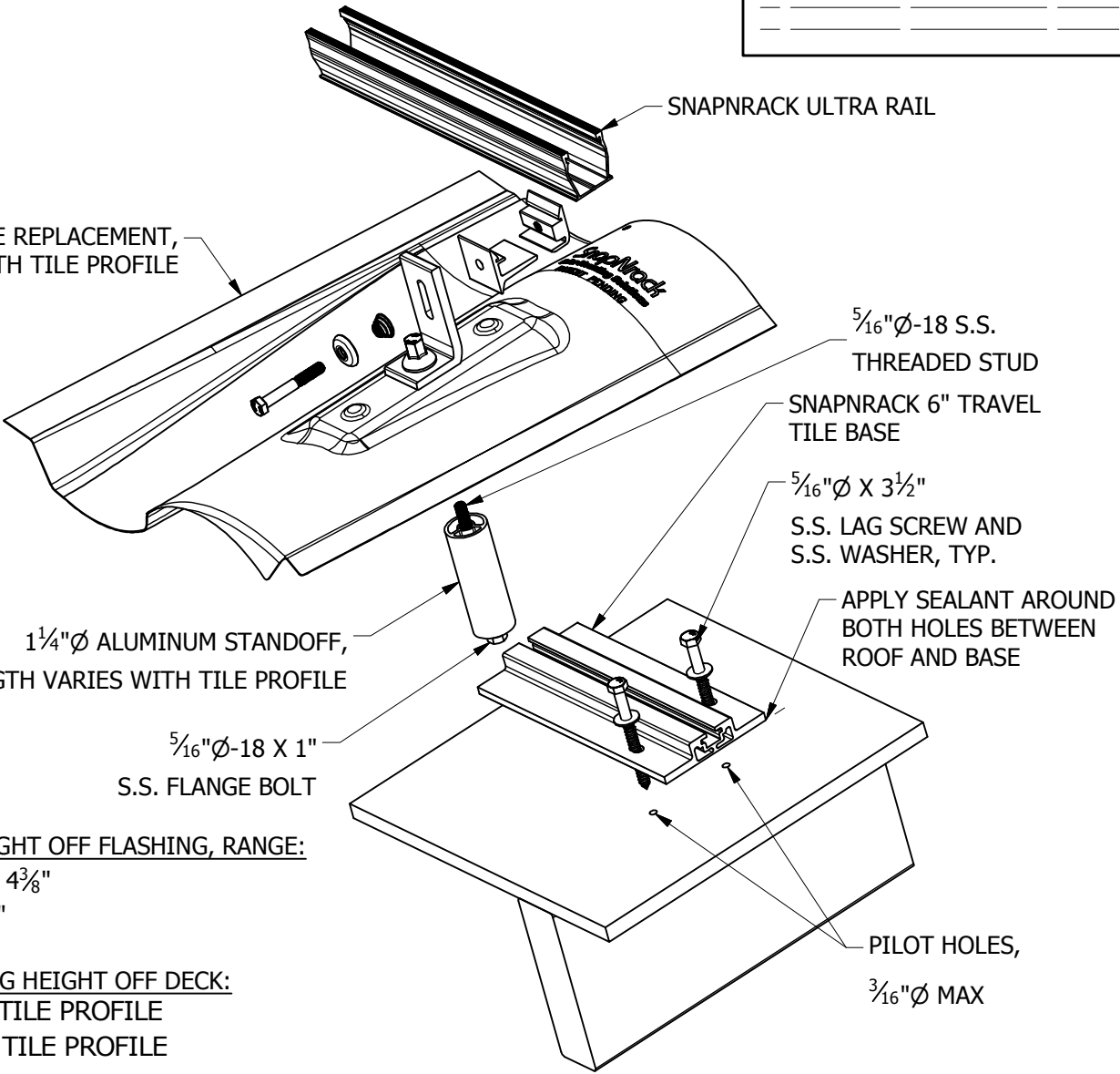
FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00332 ULTRA RAIL, COMPONENT DETAIL, LEVELING EXTENSION KIT"

BIN:	4		
	1	5/7/2019	NEW DETAIL
REVISION:			MJA



APPLY FLEXIBLE FLASHING AS SPECIFIED

TILE REPLACEMENT WITH FLEXIBLE FLASHING



SNAPNRACK ULTRA RAIL

SNAPNRACK TILE REPLACEMENT, VARIES WITH TILE PROFILE

5/16"Ø-18 S.S. THREADED STUD

SNAPNRACK 6" TRAVEL TILE BASE

5/16"Ø X 3 1/2" S.S. LAG SCREW AND S.S. WASHER, TYP.

APPLY SEALANT AROUND BOTH HOLES BETWEEN ROOF AND BASE

1 1/4"Ø ALUMINUM STANDOFF, LENGTH VARIES WITH TILE PROFILE

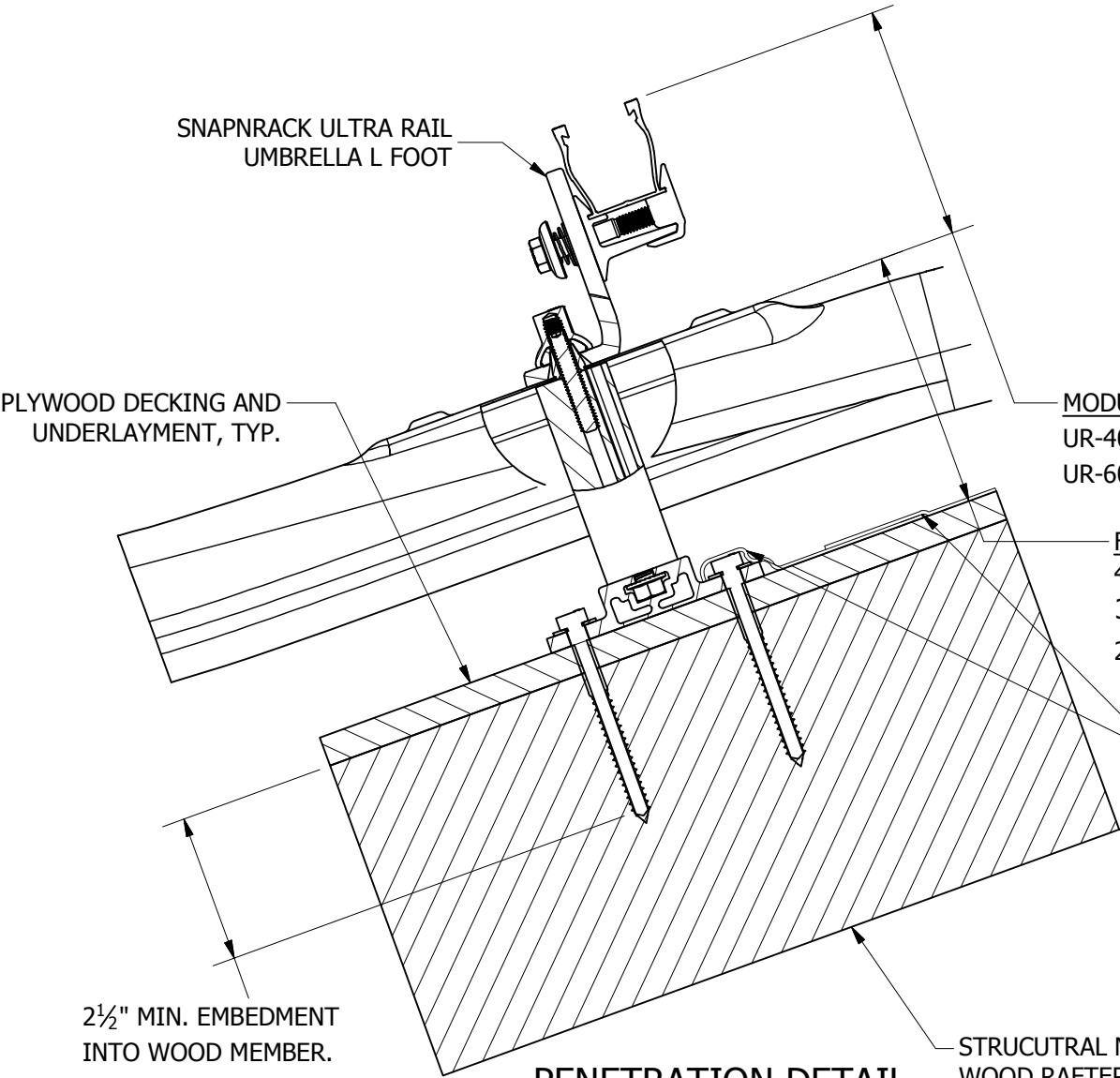
5/16"Ø-18 X 1" S.S. FLANGE BOLT

MODULE HEIGHT OFF FLASHING, RANGE:
UR-40: 3 3/8" - 4 3/8"
UR-60: 4" - 5"

FLASHING HEIGHT OFF DECK:
4 5/16", S TILE PROFILE
3 1/8", W TILE PROFILE
2 3/4", FLAT TILE PROFILE

PILOT HOLES, 3/16"Ø MAX

FLEXIBLE FLASHINGS COVER UP-SLOPE LAG, TYP.



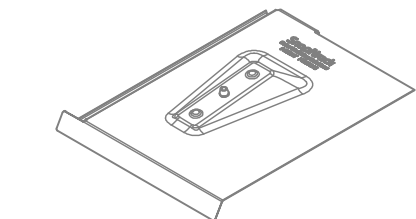
SNAPNRACK ULTRA RAIL UMBRELLA L FOOT

PLYWOOD DECKING AND UNDERLAYMENT, TYP.

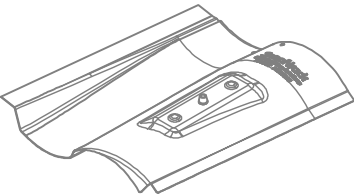
STRUCUTRAL MEMBER, WOOD RAFTER, TYP.

2 1/2" MIN. EMBEDMENT INTO WOOD MEMBER.

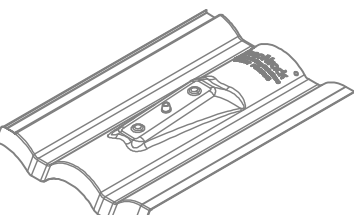
PENETRATION DETAIL



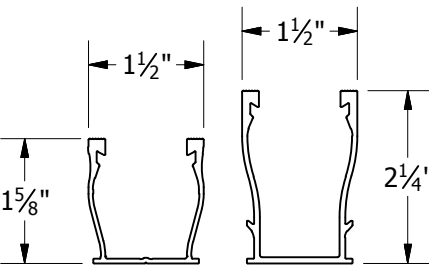
FLAT TILE REPLACEMENT



S TILE REPLACEMENT



W TILE REPLACEMENT



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902
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DESIGNER: D.RYAN
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00341

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, TILE REPLACEMENT TO RAFTER

REV: 1

THE ULTRA RAIL CAMMING SEAM CLAMP IS A NON ROOF PENETRATING ATTACHMENT FOR SEAM ROOFS

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

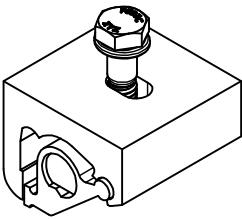
CAMMING SEAM CLAMPS ARE SPECIFIED WITH A BLACK OXIDE S.S. BOLT, IT IS IMPORTANT TO USE THE PROVIDED BOLT

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

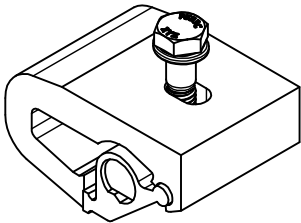
RAIL CAN BE MOUNTED ON EITHER SIDE OF THE L-FOOT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00332 ULTRA RAIL, COMPONENT DETAIL, LEVELING EXTENSION KIT"

SNAPNRACK RACK OFFERS A STANDARD AND WIDE BASE SEAM CLAMP TO FIT A VARIETY OF SEAM ROOF PROFILES. PLEASE REFER TO SNAPNRACK'S "SEAM CLAMP TESTING - APPROVED PROFILE LIST" FOR EACH SEAM CLAMP'S APPROVED PROFILES



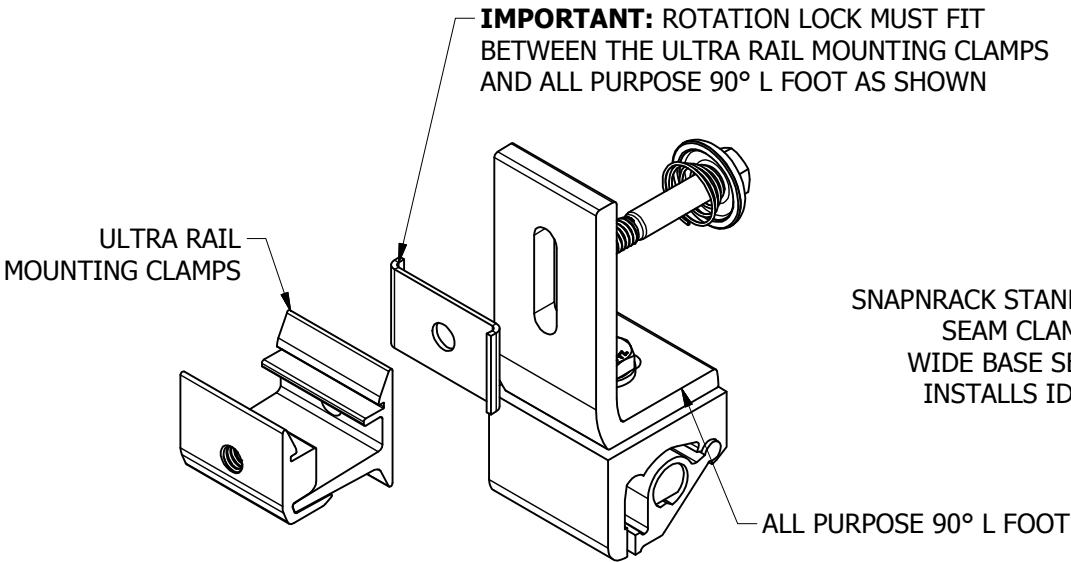
STANDARD BASE SEAM CLAMP



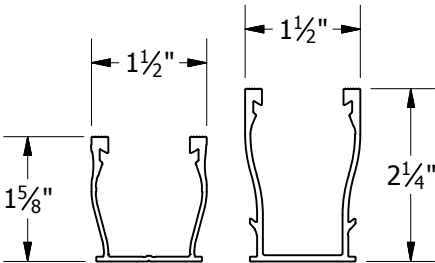
WIDE BASE SEAM CLAMP

BIN:
1

REVISION:			
1	5/7/2019	NEW DETAIL	MJA

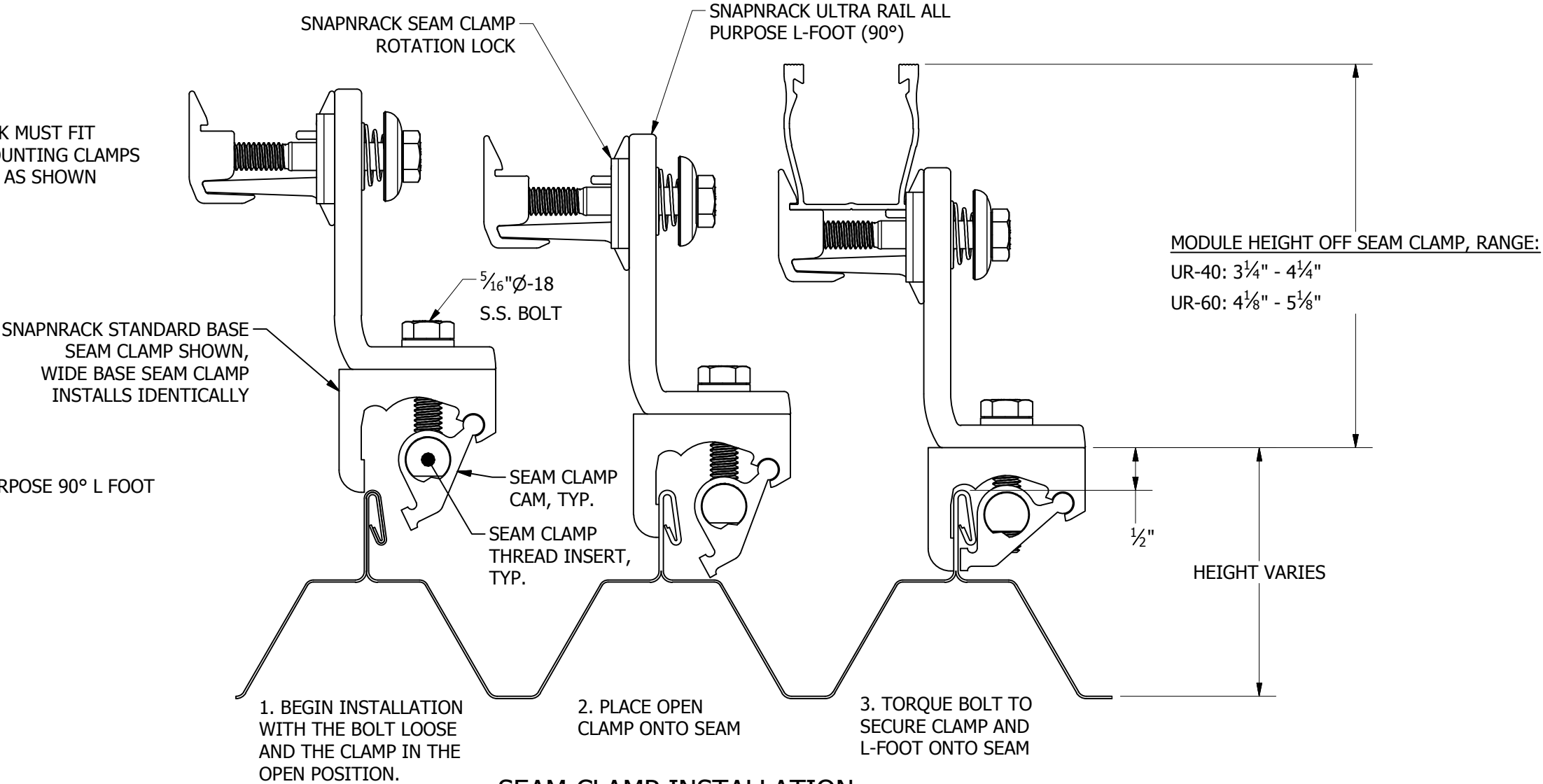


ROTATION LOCK ASSEMBLY



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



SEAM CLAMP INSTALLATION



Sunrun South LLC
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DESIGNER: G.MCHPEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00342

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, SEAM CLAMP

REV:
1

SNAPNRACK CORRUGATED STRADDLE BLOCK WITH
SNAPNRACK ULTRA RAIL ALL PURPOSE L-FOOT (90°) FOR
MOUNTING ON CORRUGATED ROOFS

REFER TO SNAPNRACK ENGINEERING CHARTS FOR
APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD
MATCH "BIN" NUMBER ON THIS DRAWING

MIN. 3 FULL THREADS PROJECTING THROUGH PURLIN WHEN
FASTENING WITH 1/4"Ø TEK SCREW OR EQUIVALENT. USE TEK
SCREW MANUFACTURER TORQUE SPECIFICATION

UTILIZE A 5/16"Ø S.S. LAG SCREW INTO WOODEN RAFTERS
WITH A MINIMUM PENETRATION DEPTH OF 2 1/2" INTO THE
RAFTER.

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø
HARDWARE TORQUE SPECIFICATIONS

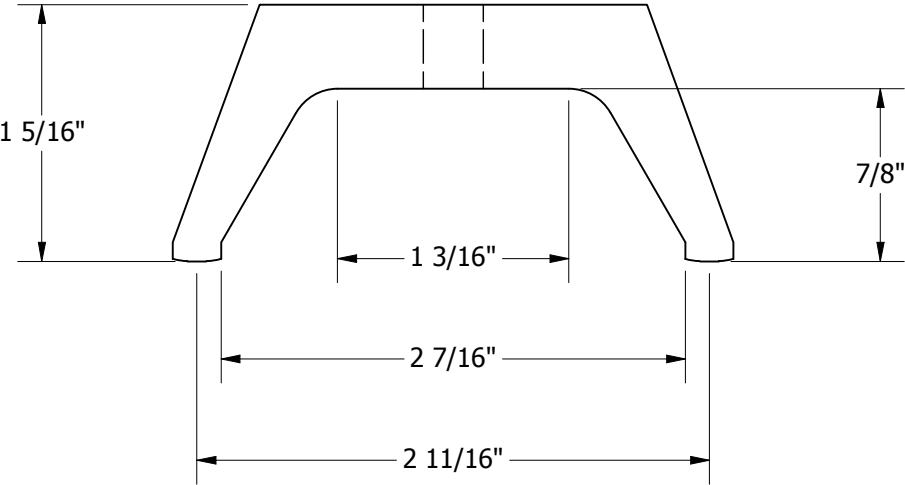
RAIL CAN BE MOUNTED ON EITHER SIDE OF THE L-FOOT

FOR LEVELING DETAILS, REFER TO SNAPNRACK
DETAIL DRAWING "SNR-DC-00332 ULTRA RAIL, COMPONENT
DETAIL, LEVELING EXTENSION KIT"

BIN:
5

REVISION:			
1	5/7/2019	NEW DETAIL	MJA
1	6/18/2019	DRO-00138	MJA

HOLE FOR 5/16"Ø S.S. LAG
SCREW OR 1/4" TEK SCREW



PART DIMENSIONS

MODULE HEIGHT OFF ROOF, RANGE:
UR-40: 4 5/8" - 5 5/8"
UR-60: 5 1/4" - 6 1/4"

TOP FLANGE OF ROOF
PURLINS OR RAFTER

CORRUGATED METAL ROOFING
(DETAILS OF PROFILE VARY SIGNIFICANTLY)

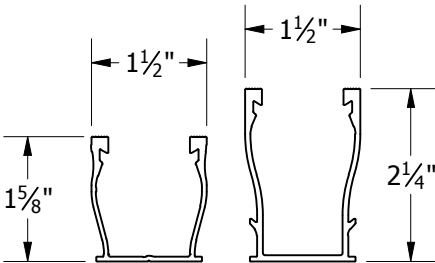
SNAPNRACK CORRUGATED
STRADDLE BLOCK

CORRUGATED METAL ROOF
(TYP. 2 5/8" X 7/8" PROFILE SHOWN)

CORRUGATED METAL ROOF
(TYP. 2 5/8" X 1/2" PROFILE SHOWN)

ATTACHMENT HOLE MUST BE DRILLED AT
HIGH POINT AND SEALED WITH AN
APPROPRIATE SEALANT AS SHOWN

MIN. 3 FULL THREADS PROJECTING THROUGH
MEMBER IF FASTENING INTO STEEL ROLL FORMS.
2 1/2" MIN. LAG EMBEDMENT IF FASTENING
INTO WOODEN RAFTERS.



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



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DESIGNER: G.MCPHEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 6/18/2019

DRAWING NUMBER:
SNR-DC-00343

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL,
CORRUGATED STRADDLE BLOCK

REV:
1

BIN: 5	REVISION:			
	1	5/7/2019	NEW DETAIL	MJA
	1	6/18/2019	DRO-00138	MJA

REV: 1

SNAPNRACK METAL ROOF BASE WITH SNAPNRACK
 ULTRA RAIL ALL PURPOSE L-FOOT (90°) FOR
 METAL ROOF MOUNTING

REFER TO SNAPNRACK ENGINEERING CHARTS FOR
 APPLICABLE RAIL SPANS. "BIN" NUMBER ON
 CHART SHOULD MATCH "BIN" NUMBER ON THIS
 DRAWING

MIN. 3 FULL THREADS PROJECTING THROUGH
 PURLIN WHEN FASTENING WITH 1/4"Ø TEK SCREW
 OR EQUIVALENT. USE TEK SCREW MANUFACTURER
 TORQUE SPECIFICATION

REFER TO SNAPNRACK INSTALLATION MANUAL
 FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAIL CAN BE MOUNTED ON EITHER SIDE OF THE
 L-FOOT

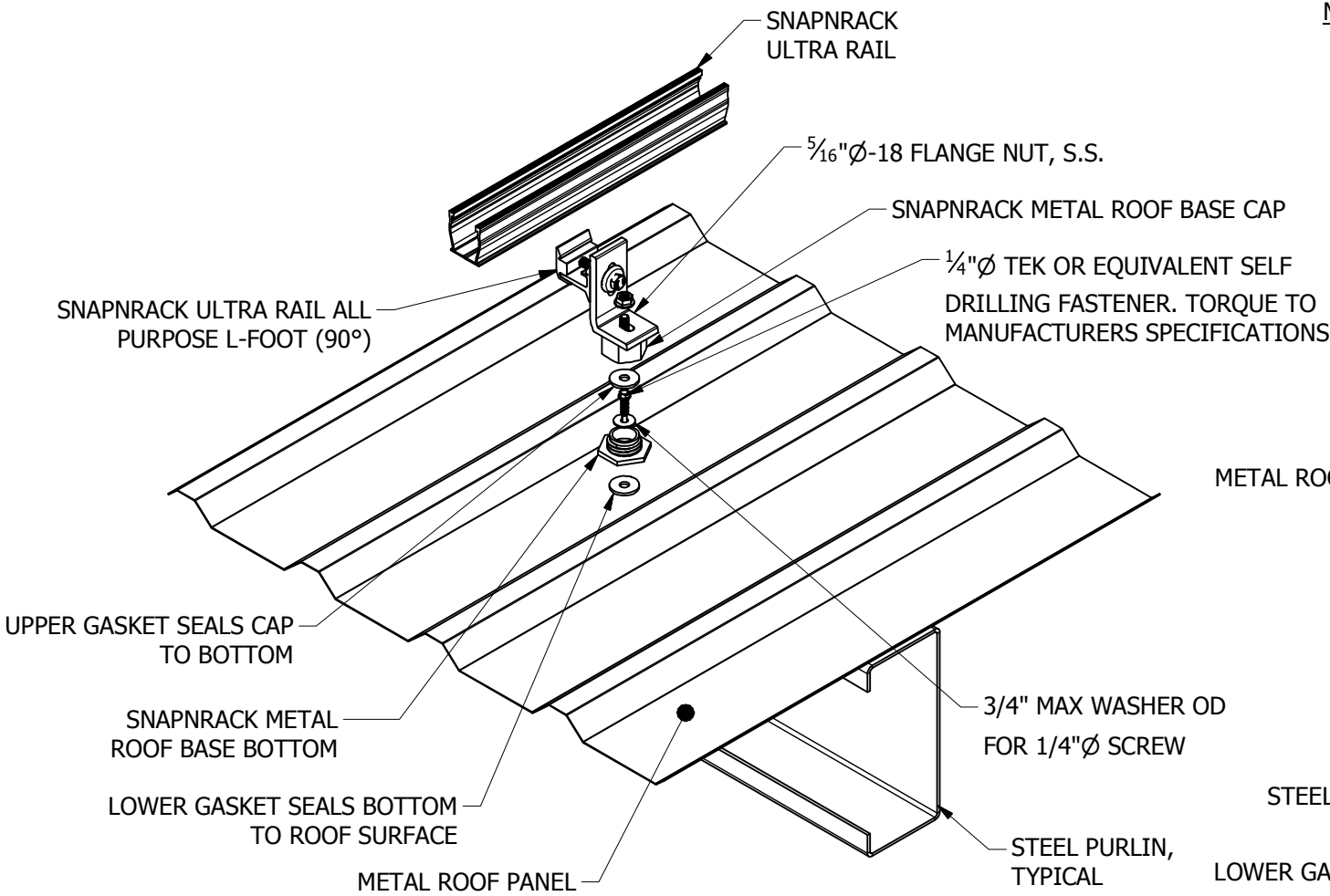
FOR LEVELING DETAILS, REFER TO SNAPNRACK
 DETAIL DRAWING "SNR-DC-00332 ULTRA RAIL,
 COMPONENT DETAIL, LEVELING EXTENSION KIT"

INSTALLATION STEPS:

STEP 1:
 ATTACH METAL ROOF BASE TO PURLIN WITH 1/4"Ø
 TEK OR EQUIVALENT SELF DRILLING SCREW.
 TORQUE TO MANUFACTURER'S SPECIFICATIONS

STEP 2:
 THREAD METAL ROOF BASE CAP ONTO METAL
 ROOF BASE BOTTOM. TAKE CARE TO ENSURE THE
 BASE DOES NOT TWIST WHEN CAP IS TIGHTENED.
 ENSURE CAP IS FULLY SEATED TO BASE.

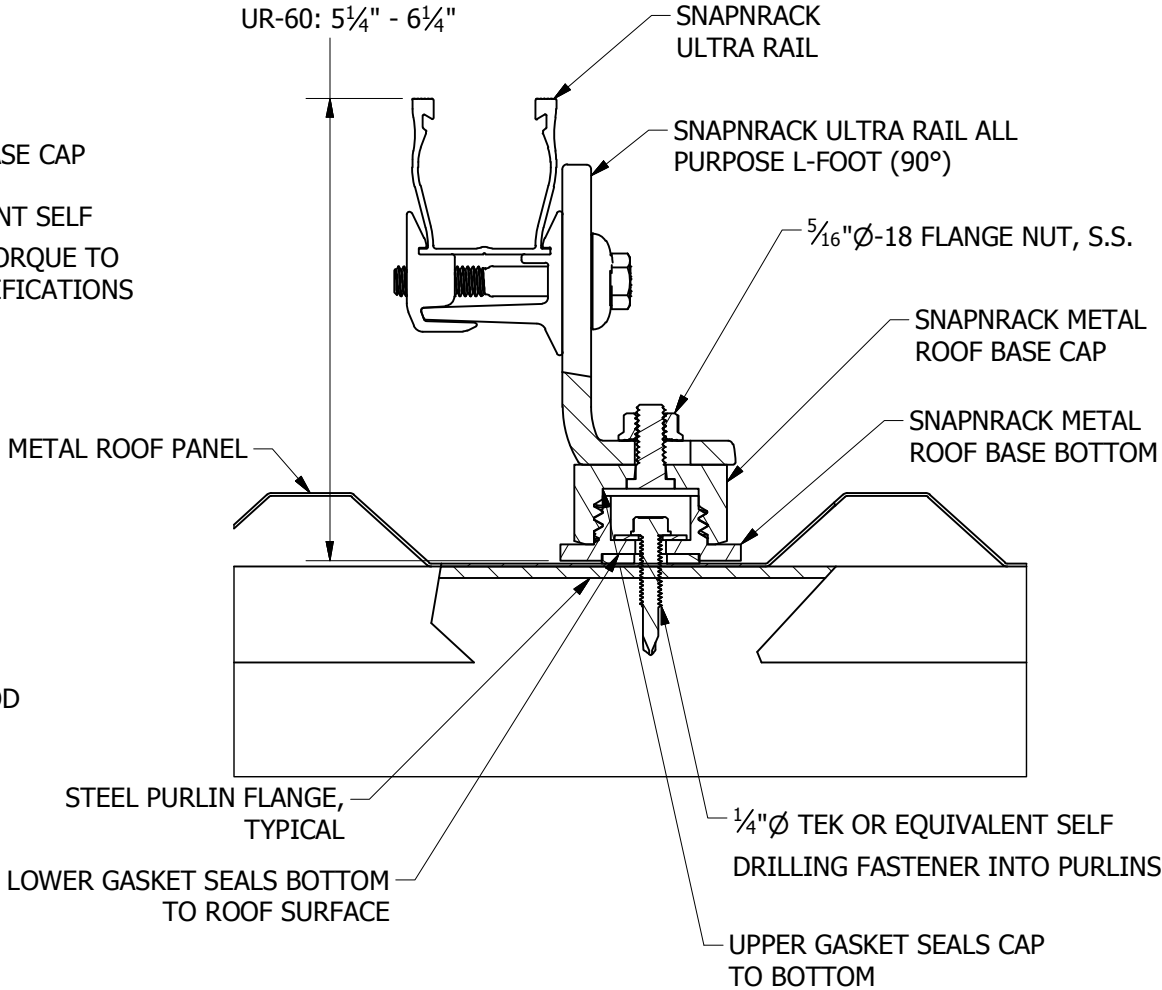
STEP 3:
 ATTACH L-FOOT TO STUD IN METAL ROOF BASE
 CAP WITH FLANGE NUT.



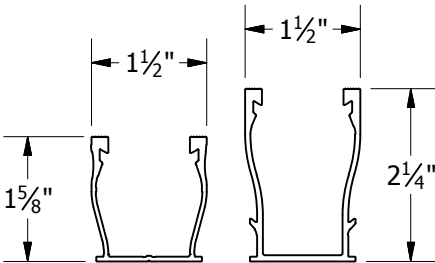
MRB SYSTEM INSTALLED, EXPLODED

MODULE HEIGHT OFF ROOF, RANGE:

UR-40: 4 5/8" - 5 5/8"
 UR-60: 5 1/4" - 6 1/4"



PENETRATION DETAIL



UR-40 RAIL | UR-60 RAIL
 FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



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DESIGNER: G.MCPHEETERS
 DRAFTER: M.AFFENTRANGER
 APPROVED BY: B.PETERSON

SCALE: DNS
 DATE: 5/7/2019

DRAWING NUMBER:
 SNR-DC-00345

DESCRIPTION:
 ULTRA RAIL, ATTACHMENT DETAIL, METAL
 ROOF BASE WITH L FOOT TO PURLIN

REV: 1

SNAPNRACK ULTRA RAIL FLAT TILE HOOK FOR MOUNTING TO FLAT TILE ROOFS

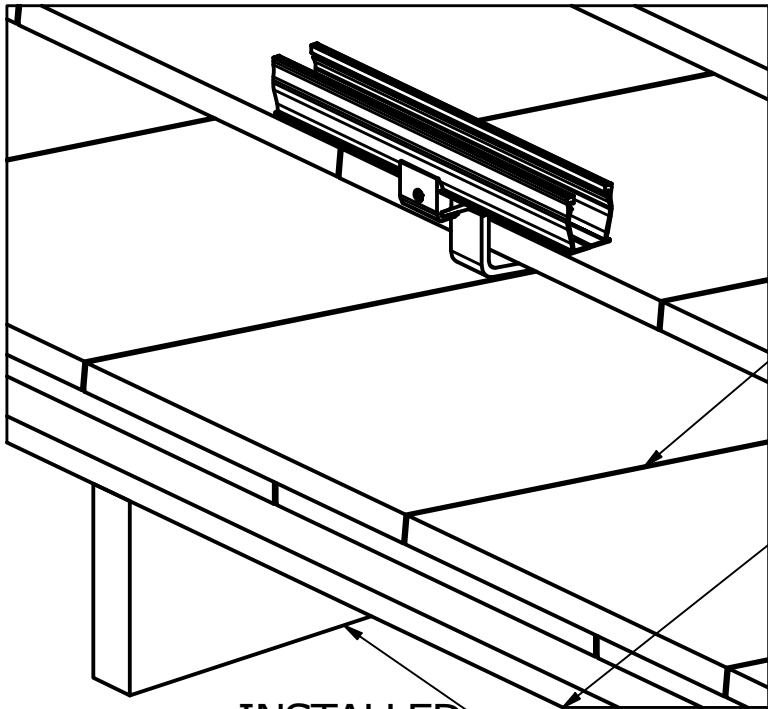
REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF 2 1/2" INTO STRUCTURAL MEMBER

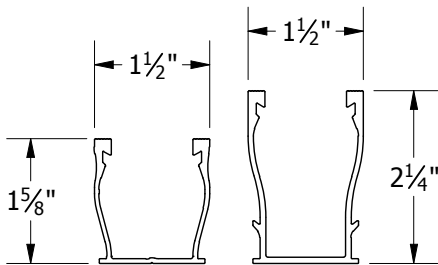
REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT TO EITHER SIDE OF TILE HOOK (UPSLOPE VS. DOWNSLOPE)

RAILS CAN BE LEVELED UP TO 1 1/4" USING THE SLOT IN THE TILE HOOK.

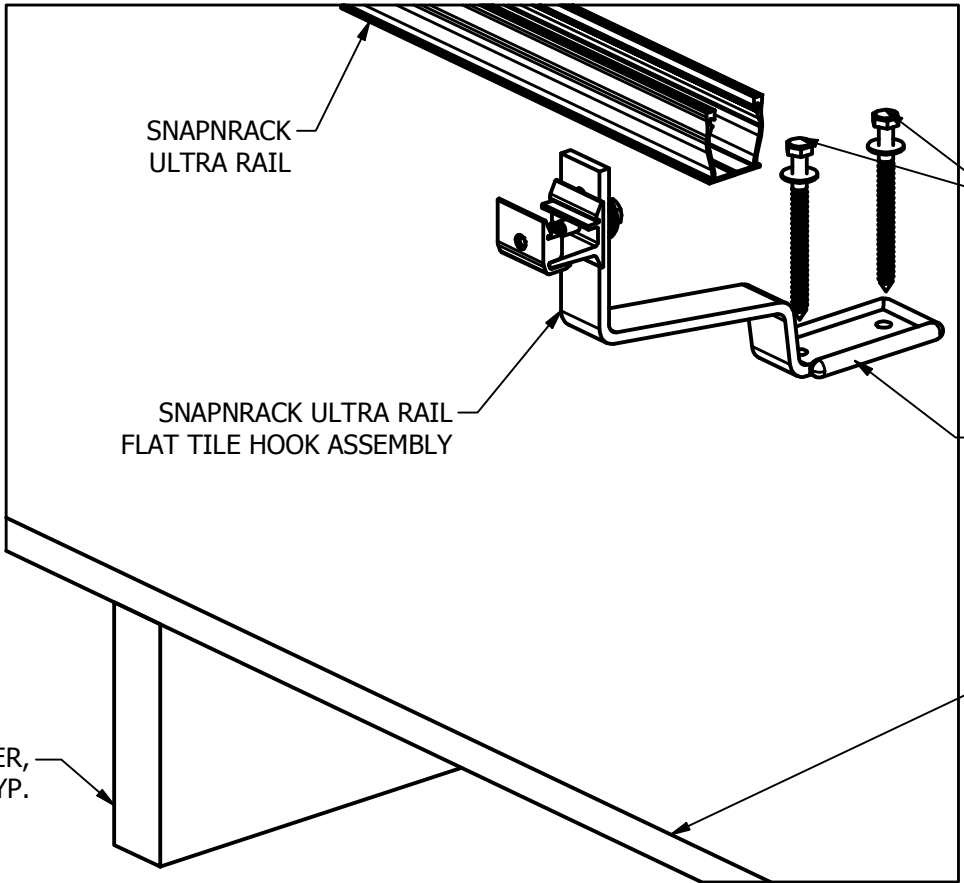
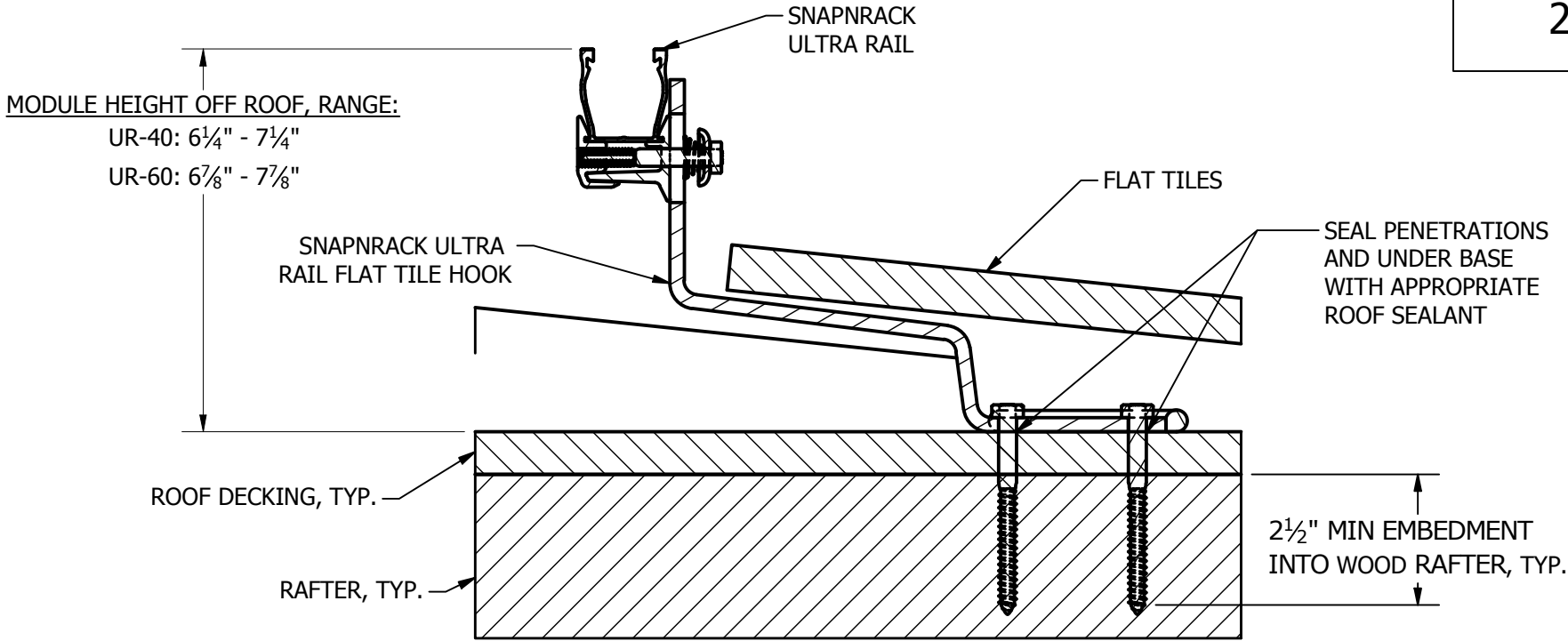


INSTALLED



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



BIN: 2

REVISION:			
1	5/7/2019	NEW DETAIL	MJA
1	6/18/2019	DRO-00138	MJA

SNAPNRACK ULTRA RAIL UNIVERSAL TILE HOOK FOR MOUNTING TO TILE ROOFS

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

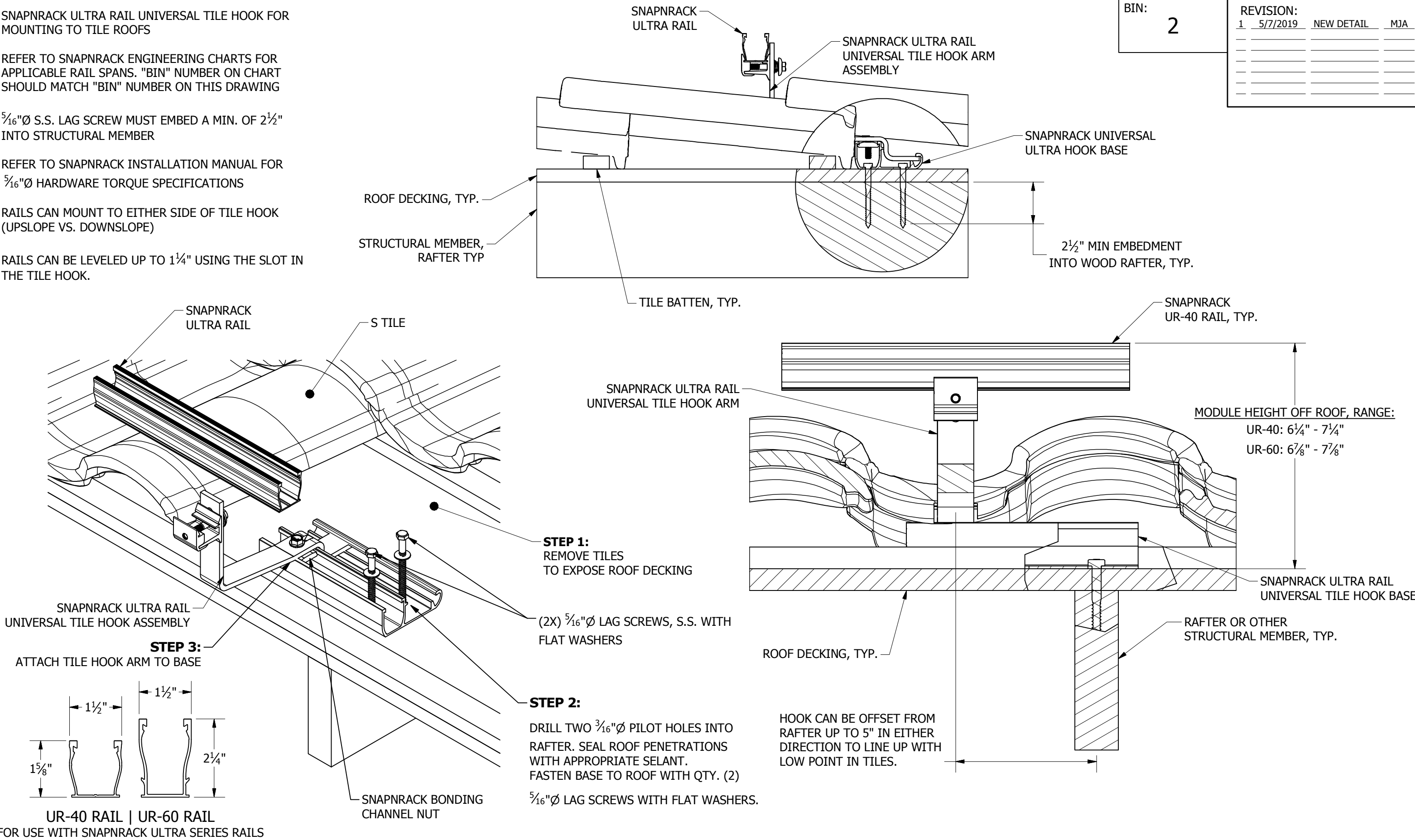
5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF 2½" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT TO EITHER SIDE OF TILE HOOK (UPSLOPE VS. DOWNSLOPE)

RAILS CAN BE LEVELED UP TO 1¼" USING THE SLOT IN THE TILE HOOK.

BIN:	2		
	1	5/7/2019	NEW DETAIL
REVISION:			MJA



SnapNrack Solar Mounting Solutions	Sunrun South LLC 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC.	DESIGNER: G.MCPHEETERS DRAFTER: M.AFFENTRANGER APPROVED BY: B.PETERSON	SCALE: DNS	DRAWING NUMBER: SNR-DC-00347	DESCRIPTION: ULTRA RAIL, ATTACHMENT DETAIL, ULTRA RAIL UNIVERSAL TILE HOOK TO RAFTER	REV: 1
			DATE: 5/7/2019			

SNAPNRACK ULTRA RAIL STANDARD STANDOFF
ON 1-HOLE BASE FOR MOUNTING TO VARIOUS
ROOF TYPES

REFER TO SNAPNRACK ENGINEERING CHARTS
FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON
CHART SHOULD MATCH "BIN" NUMBER ON THIS
DRAWING

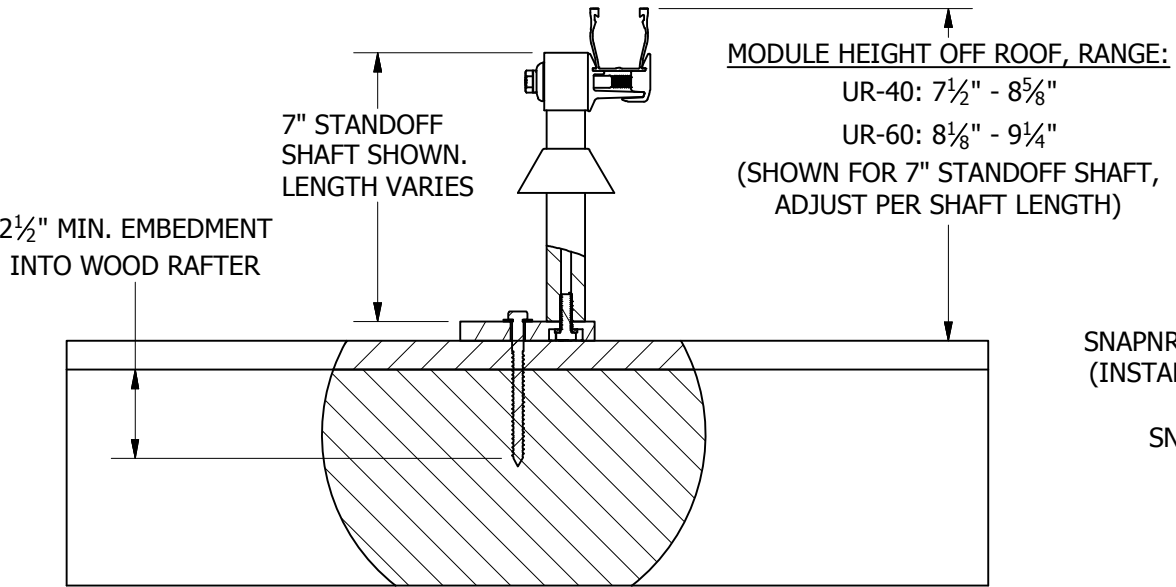
5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF
2 1/2" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL
FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

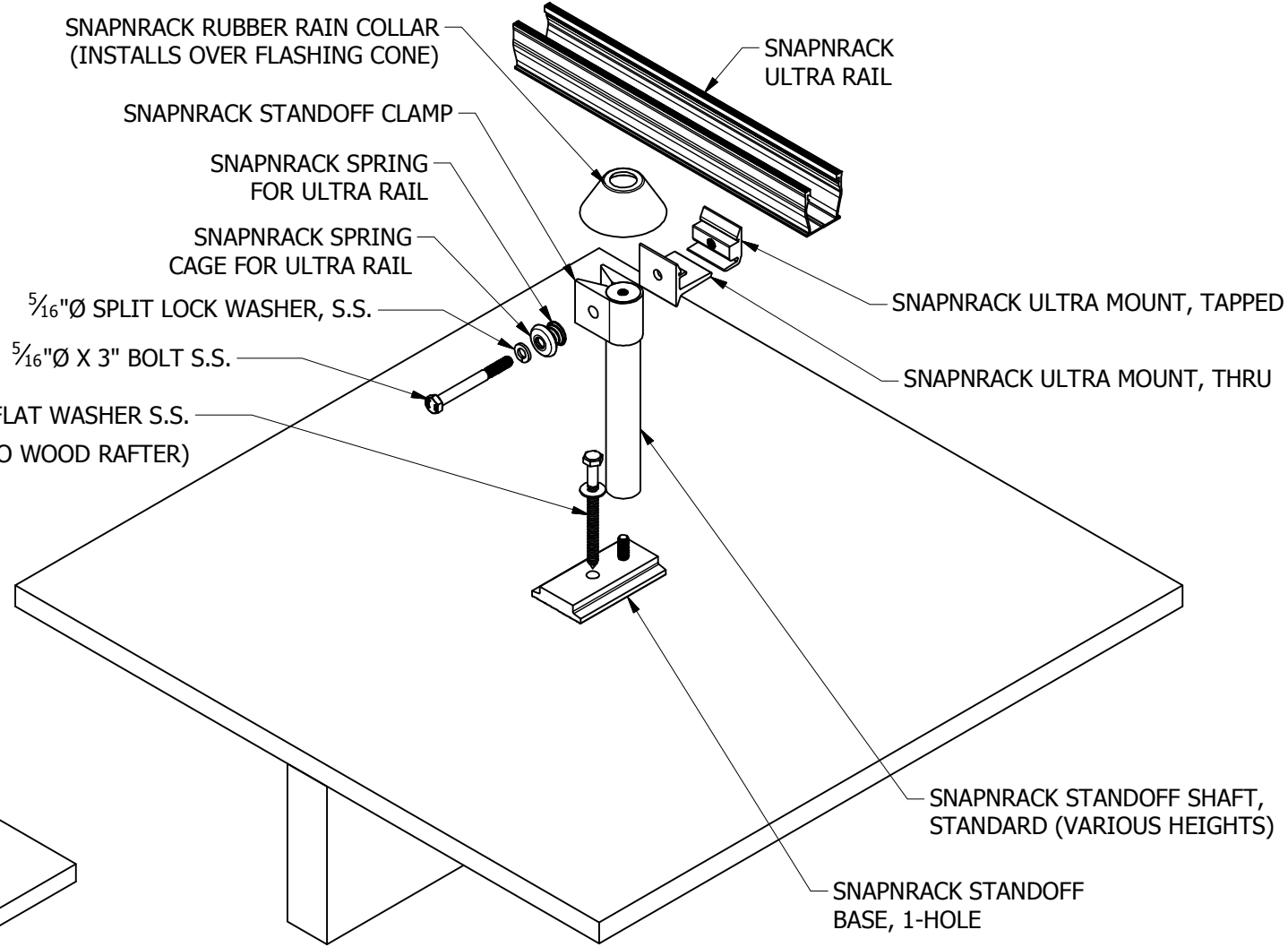
RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF
THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK
DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL,
COMPONENT DETAIL, LEVELING SPACER ON
STANDOFF"

*A POURED SEALANT-STYLE FLASHING MAY BE
USED WITH SNAPNRACK STANDOFFS AS AN
ALTERNATIVE TO CONE FLASHINGS WHEN
INSTALLED PER THE MANUFACTURER'S
SPECIFICATIONS ON LOW-SLOPE ROOF
SURFACES

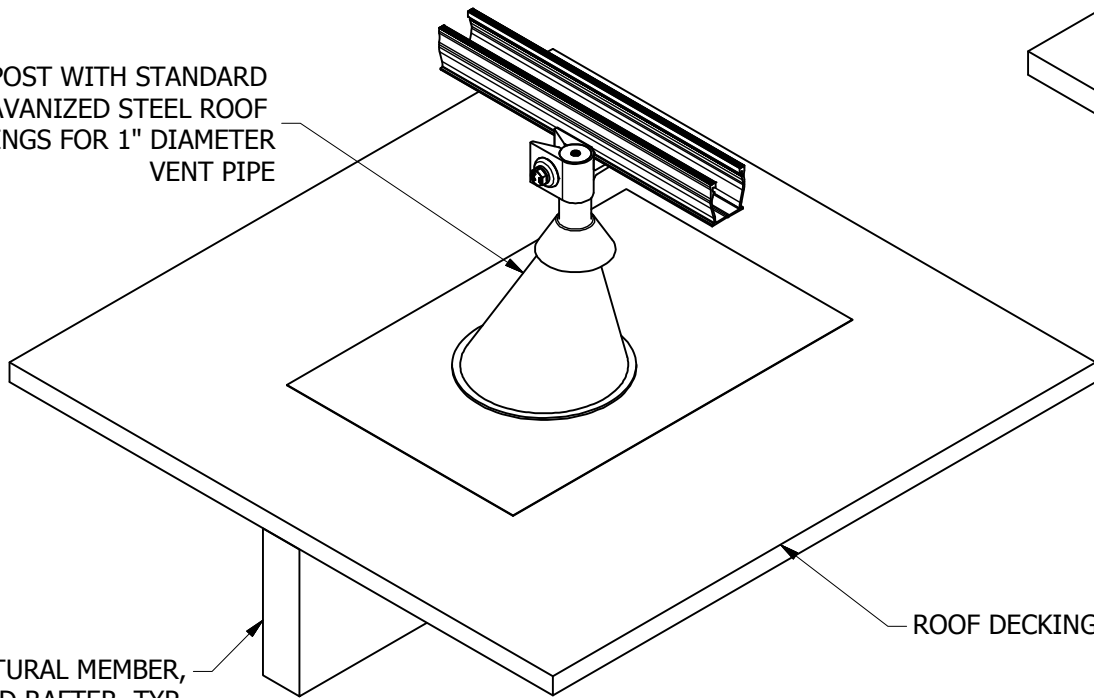


PENETRATION DETAIL

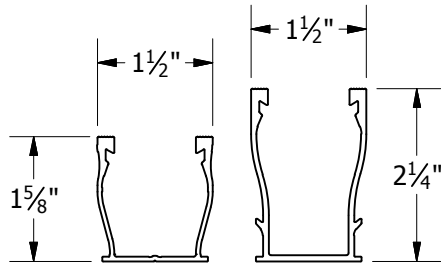


EXPLODED

*FLASH POST WITH STANDARD
GLAVANIZED STEEL ROOF
FLASHINGS FOR 1" DIAMETER
VENT PIPE



INSTALLED



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

BIN:	5		
	REVISION:	1	5/7/2019
		NEW DETAIL	MJA

SNAPNRACK ULTRA RAIL STANDARD STANDOFF ON 1-HOLE BASE FOR MOUNTING TO VARIOUS ROOF TYPES

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

MIN. 3 FULL THREADS PROJECTING THROUGH PURLIN WHEN FASTENING WITH 1/4"Ø TEK SCREW OR EQUIVALENT. USE TEK SCREW MANUFACTURER TORQUE SPECIFICATION

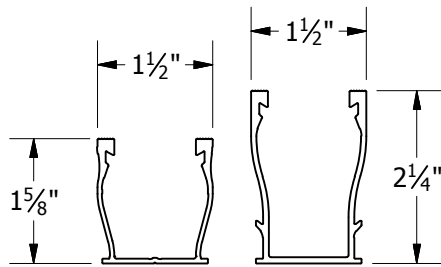
REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

*A POURED SEALANT-STYLE FLASHING MAY BE USED WITH SNAPNRACK STANDOFFS AS AN ALTERNATIVE TO CONE FLASHINGS WHEN INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS ON LOW-SLOPE ROOF SURFACES

*FLASH POST WITH STANDARD GLAVANIZED STEEL ROOF FLASHINGS FOR 1" DIAMETER VENT PIPE



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902
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DESIGNER: G.MCPHEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

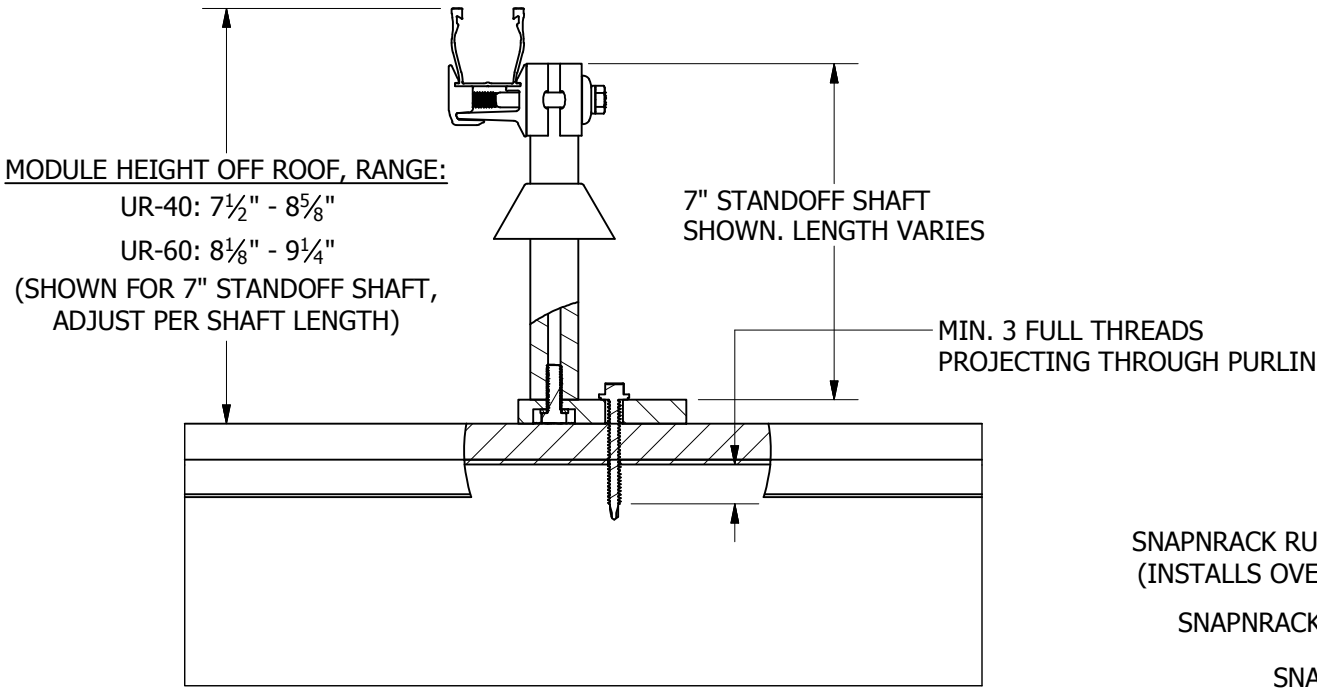
DRAWING NUMBER:
SNR-DC-00349

DESCRIPTION: ULTRA RAIL, ATTACHMENT DETAIL, 1-HOLE BASE WITH STANDOFF TO PURLIN

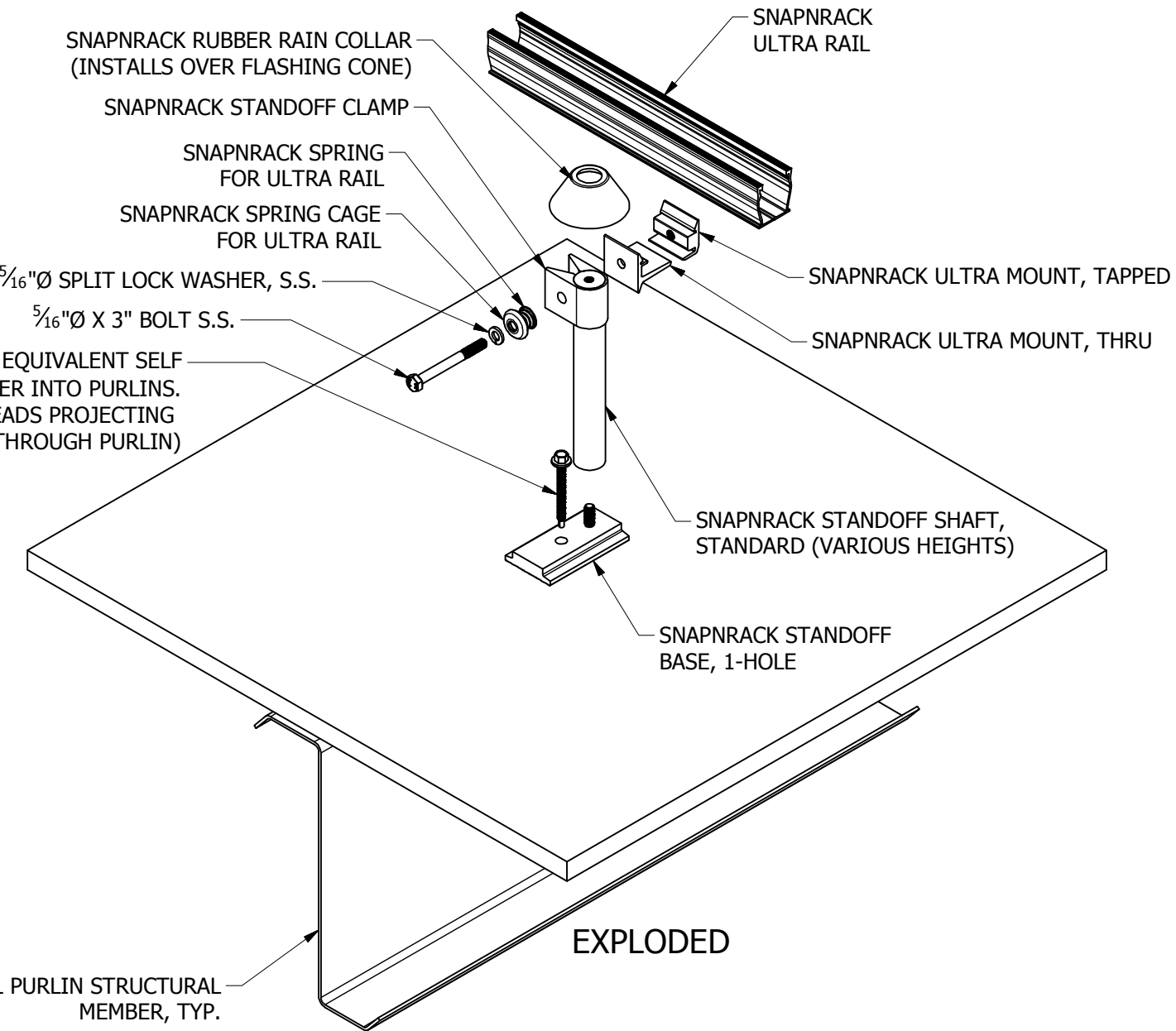
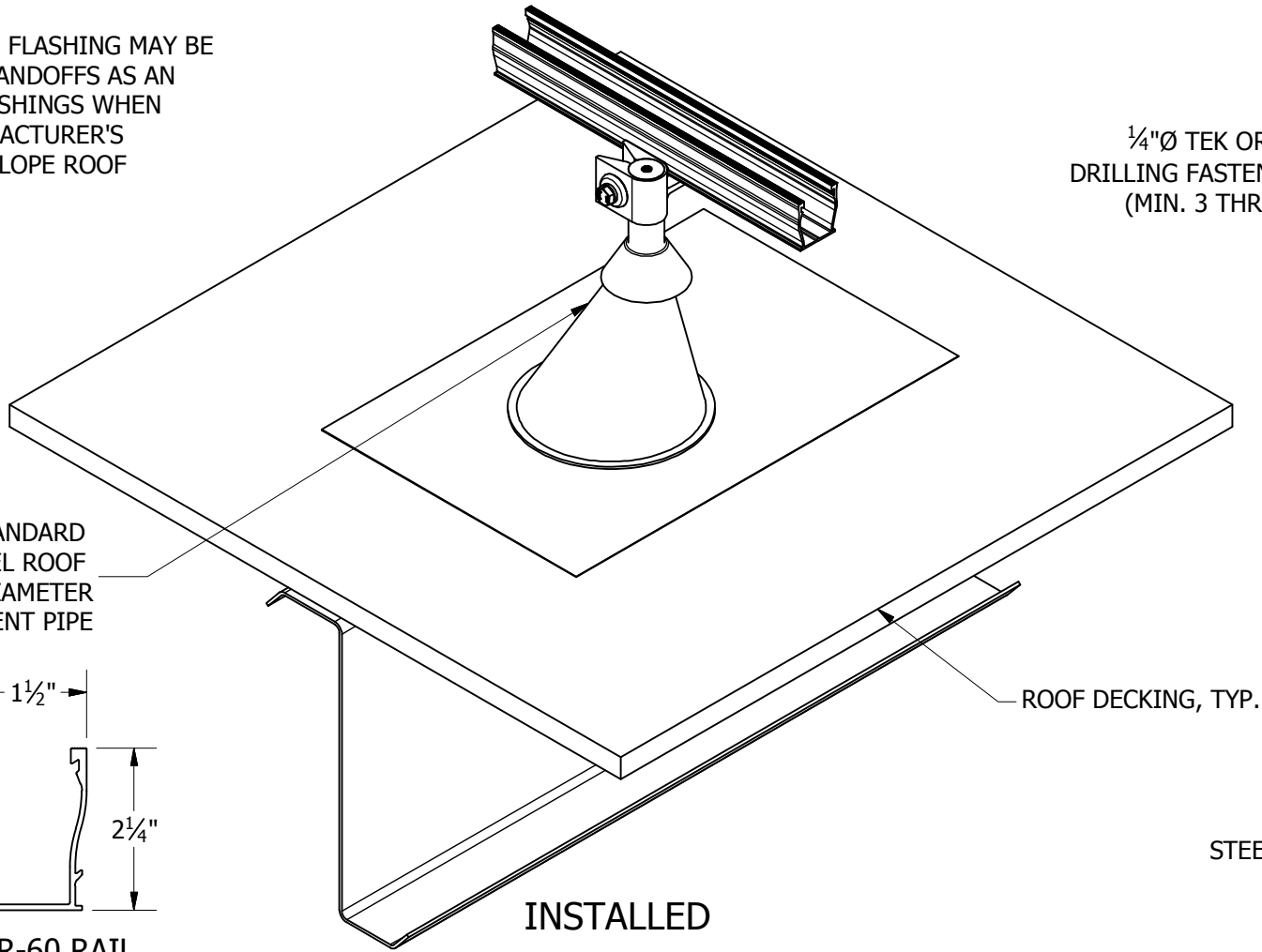
REV: 1

BIN:
5

REVISION:			
1	5/7/2019	NEW DETAIL	MJA



PENETRATION DETAIL



INSTALLED

EXPLODED

SNAPNRACK ULTRA RAIL STANDARD STANDOFF ON 4-HOLE BASE MOUNTED TO COMPOSITE I-JOIST

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING:

***BIN 5** WHEN INSTALLED WITH 5 1/2" STANDOFF

***BIN 6** WHEN INSTALLED WITH 8 1/2" STANDOFF

1/4"Ø S.S. LAG SCREWS MUST EMBED A MIN. OF 1 1/4" INTO JOIST

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

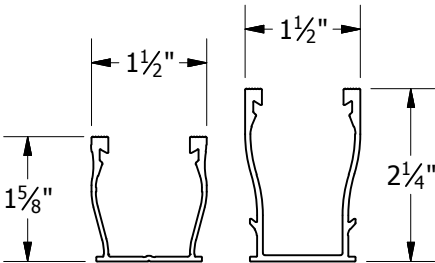
RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

**A POURED SEALANT-STYLE FLASHING MAY BE USED WITH SNAPNRACK STANDOFFS AS AN ALTERNATIVE TO CONE FLASHINGS WHEN INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS ON LOW-SLOPE ROOF SURFACES

COVER FLASHING WITH SNAPNRACK RAIN COLLAR AND SEAL WITH AN APPROPRIATE ADHESIVE ROOF SEALANT

STRUCTURAL MEMBER, COMPOSITE WOOD I-JOIST, TYP.



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

SNAPNRACK ULTRA RAIL

8 1/2" STANDOFF SHAFT SHOWN. LENGTH VARIES

1/4" BASE THICKNESS

MIN. 1 1/4" LAG EMBEDMENT INTO JOIST FLANGE

PILOT HOLE REQUIRED FOR LAG SCREWS, SEE JOIST MANUFACTURER REQUIREMENTS

STRUCTURAL MEMBER, COMPOSITE WOOD I-JOIST, TYP.

PENETRATION DETAIL

MODULE HEIGHT OFF ROOF, RANGE:

UR-40: 8 7/8" - 10"

UR-60: 9 1/2" - 10 5/8"

(SHOWN FOR 8 1/2" STANDOFF SHAFT, ADJUST PER SHAFT LENGTH)

(2X) 1/4"Ø S.S. LAG SCREW. SELECT LENGTH TO PROVIDE MIN. EMBEDMENT INTO JOIST FLANGE

MIN. LAG EDGE DISTANCE IN I-JOIST FLANGE, VARIES

MAX. LAG OFFSET DISTANCE FROM I-JOIST CENTERLINE, VARIES

ROOF DECKING, TYP.

BIN: *5, *6

REVISION:

1	5/7/2019	NEW DETAIL	MJA

ROTATE

CENTERLINE, COMPOSITE I-JOIST FLANGE, TYP.

COMPOSITE I-JOIST FLANGE, TYP.

BASE ROTATION, TOP

4-HOLE BASE SHALL BE ROTATED TO MAINTAIN PROPER EDGE AND CENTERLINE OFFSET DISTANCES IN I-JOIST FLANGE. SEE JOIST MANUFACTURER RECOMMENDATIONS FOR EXPLICIT LIMITATIONS

SNAPNRACK STANDOFF CLAMP

SNAPNRACK SPRING FOR ULTRA RAIL

SNAPNRACK SPRING CAGE FOR ULTRA RAIL

5/16"Ø SPLIT LOCK WASHER, S.S.

5/16"Ø X 3" BOLT S.S.

(2X) 1/4"Ø S.S. LAG SCREW. SELECT LENGTH TO PROVIDE MIN. EMBEDMENT INTO JOIST FLANGE

SEAL PENETRATION AND BASE WITH APPROPRIATE ROOF SEALANT

SNAPNRACK RUBBER RAIN COLLAR (INSTALLS OVER FLASHING CONE WHEN CONE FLASHING IS USED)

SNAPNRACK ULTRA RAIL

SNAPNRACK ULTRA MOUNT, TAPPED

SNAPNRACK ULTRA MOUNT, THRU

SNAPNRACK STANDOFF SHAFT, STANDARD (VARIOUS HEIGHTS)

STRUCTURAL MEMBER, COMPOSITE WOOD I-JOIST, TYP.

SNAPNRACK STANDOFF BASE, 4-HOLE, TYP.

EXPLODED

**FLASH POST WITH STANDARD GLAVANIZED STEEL ROOF FLASHINGS FOR 1" DIAMETER VENT PIPE. TRIM FLASH FLASHING BASE WHEN APPROPRIATE.

ROOF DECKING, TYP.

INSTALLED

SnapNrack
Solar Mounting Solutions

Sunrun South LLC

595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902

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DESIGNER: G.MCPHEETERS

DRAFTER: M.AFFENTRANGER

APPROVED BY: B.PETERSON

SCALE: DNS

DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00350

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE BASE WITH STANDOFF TO JOIST

REV: 1

SNAPNRACK ULTRA RAIL HD STANDOFF ON 6-HOLE BASE FOR MOUNTING TO VARIOUS ROOF TYPES

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF 2 1/2" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

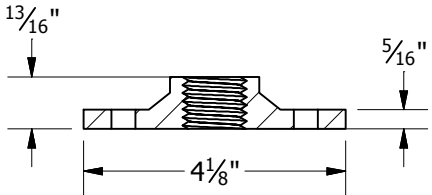
RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

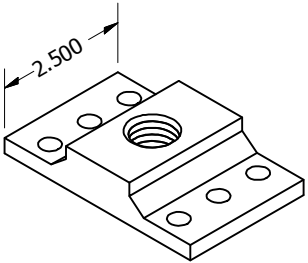
*A POURED SEALANT-STYLE FLASHING MAY BE USED WITH SNAPNRACK STANDOFFS AS AN ALTERNATIVE TO CONE FLASHINGS WHEN INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS ON LOW-SLOPE ROOF SURFACES

7" HD STANDOFF SHOWN

MODULE HEIGHT OFF ROOF, RANGE:
UR-40: 8 1/2" - 9 5/8"
UR-60: 9 1/8" - 10 1/4"
(SHOWN FOR 7" STANDOFF SHAFT, ADJUST PER SHAFT LENGTH)

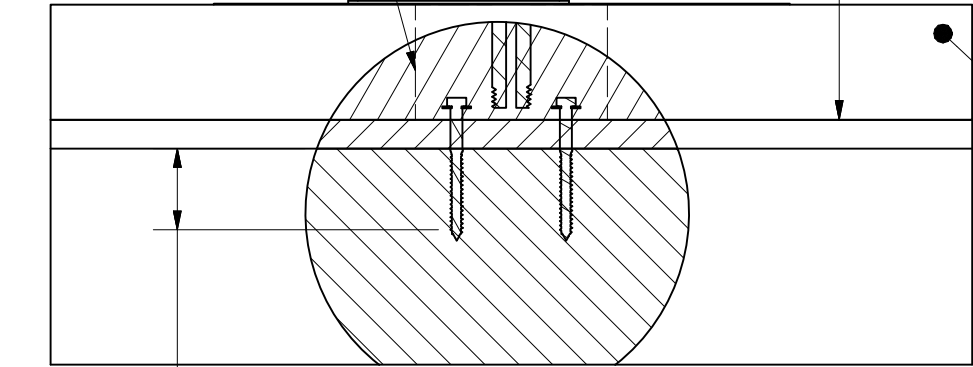


6-HOLE BASE, ISO



REVISION:			
1	5/7/2019	NEW DETAIL	MJA

WHERE FOAM INSULATION OCCURS, CUT THROUGH INSULATION AND ATTACH STANDOFF DIRECTLY TO THE ROOF MEMBER

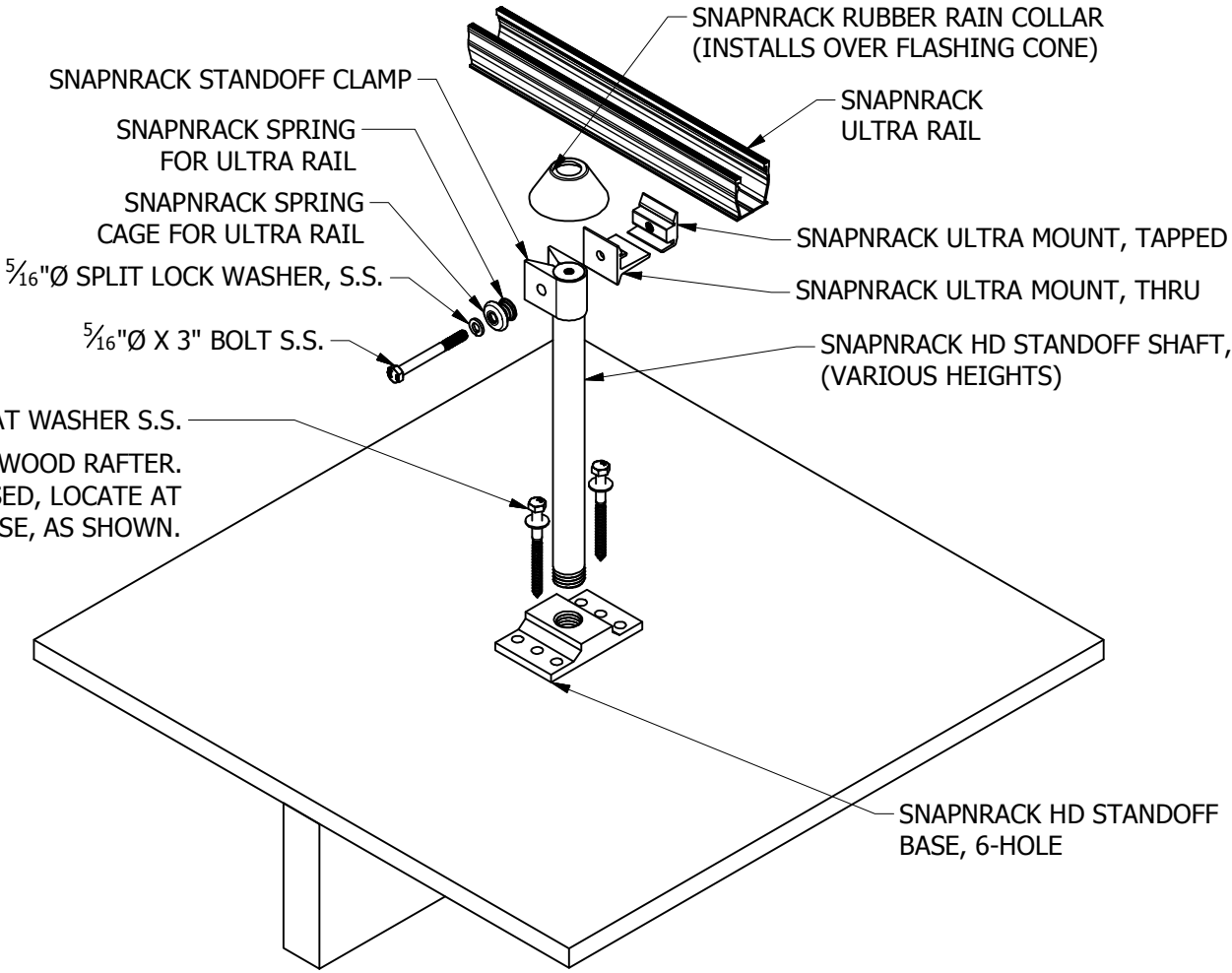


2 1/2" MIN. EMBEDMENT INTO WOOD RAFTER

PENETRATION DETAIL

6-HOLE BASE, CROSS SECTION

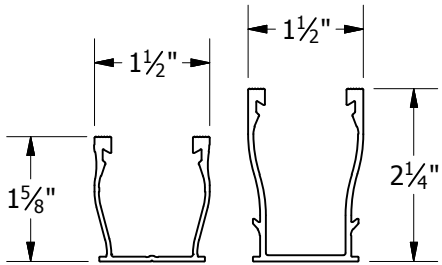
FOAM INSULATION, TYP.



EXPLODED

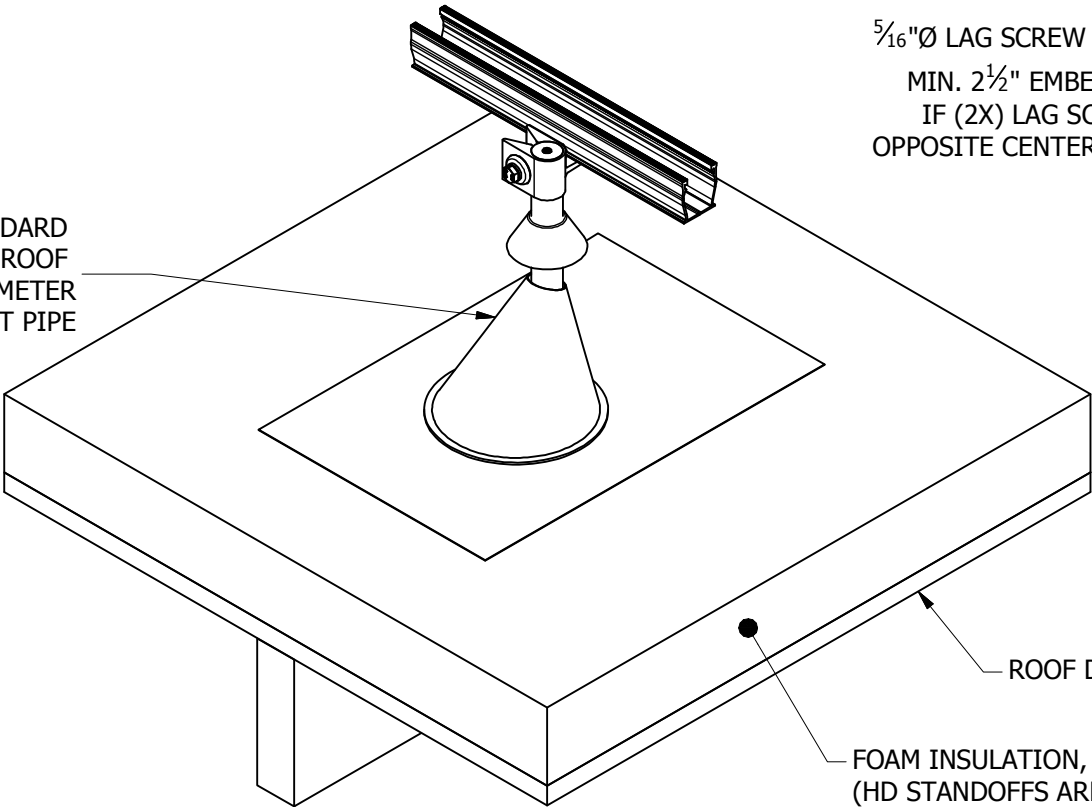
5/16"Ø LAG SCREW S.S. WITH FLAT WASHER S.S.
MIN. 2 1/2" EMBEDMENT INTO WOOD RAFTER.
IF (2X) LAG SCREWS ARE USED, LOCATE AT OPPOSITE CENTER HOLES IN BASE, AS SHOWN.

*FLASH POST WITH STANDARD GLAVANIZED STEEL ROOF FLASHINGS FOR 1" DIAMETER VENT PIPE



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



INSTALLED

ROOF DECKING, TYP.

FOAM INSULATION, TYP.
(HD STANDOFFS ARE OFTEN USED ON FOAM INSULATED ROOFING)



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902
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DESIGNER: G.MCPHEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00351

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, 6-HOLE BASE WITH HD STANDOFF TO RAFTER

REV: 1

SNAPNRACK ULTRA RAIL STANDARD STANDOFF ON METAL ROOF BASE (MRB) FOR MOUNTING TO METAL ROOFS

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

5/16"Ø S.S. LAG SCREW MUST EMBED A MIN. OF 2 1/2" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

INSTALLATION STEPS:

STEP 1:

DRILL 3/16"Ø PILOT HOLE IN RAFTER. ENSURE AREA SURROUNDING HOLE IS FREE FROM METAL SHAVINGS AND DEBRIS

STEP 2:

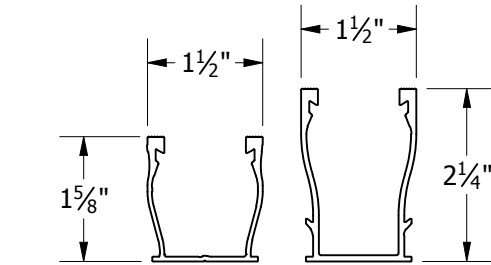
ATTACH METAL ROOF BASE TO RAFTER WITH 5/16"Ø LAG SCREW

STEP 3:

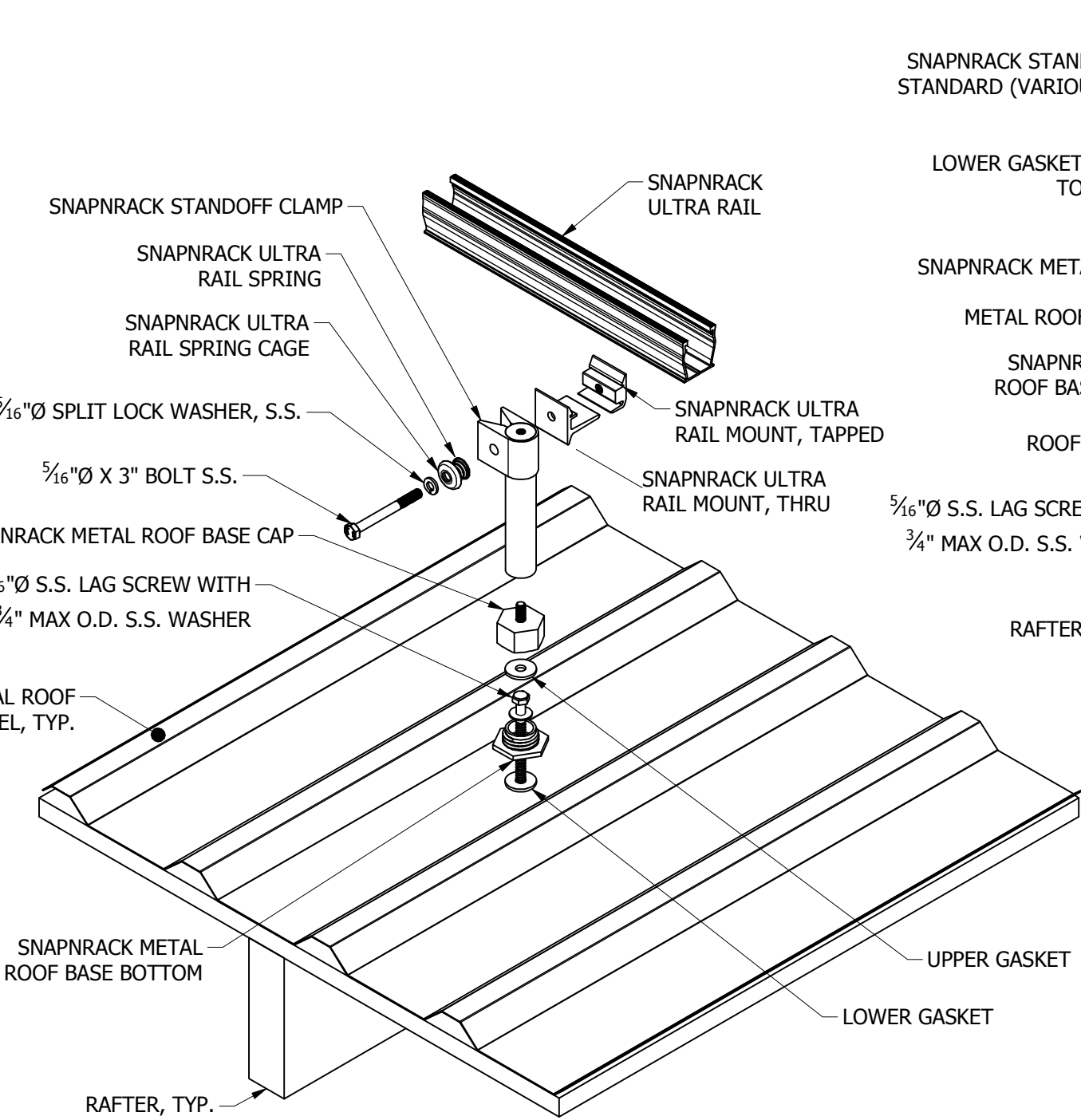
THREAD METAL ROOF BASE CAP ONTO METAL ROOF BASE BOTTOM. TAKE CARE TO ENSURE THE BASE DOES NOT TWIST WHEN CAP IS TIGHTENED. ENSURE CAP IS FULLY SEATED TO BASE

STEP 4:

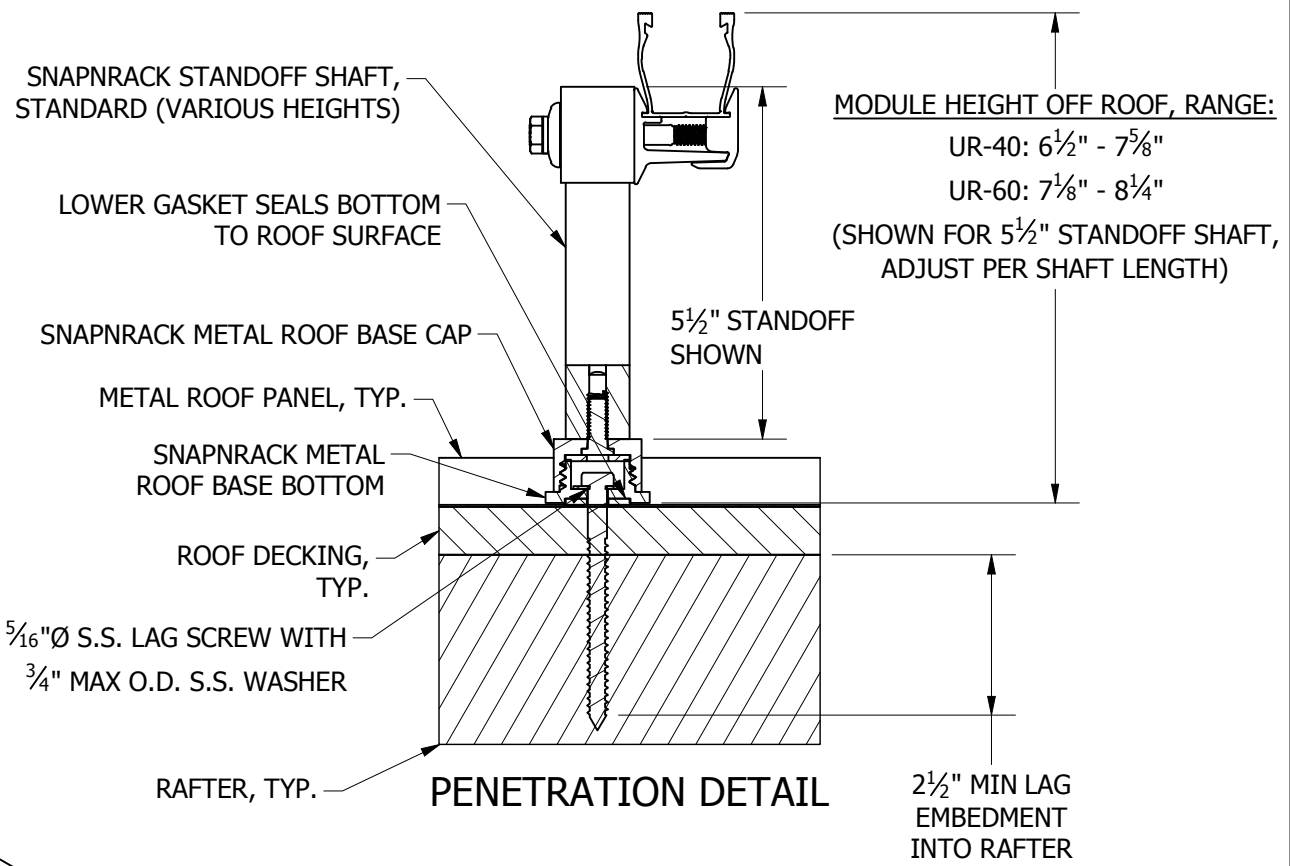
ATTACH STANDOFF TO STUD IN METAL ROOF BASE CAP



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



MRB SYSTEM INSTALLED, EXPLODED



BIN:
5

REVISION:

1	5/7/2019	NEW DETAIL	MJA
1	6/18/2019	DRO-00138	MJA

SNAPNRACK ULTRA RAIL STANDARD STANDOFF ON METAL ROOF BASE (MRB) FOR MOUNTING TO METAL ROOFS

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

MIN. 3 FULL THREADS PROJECTING THROUGH PURLIN WHEN FASTENING WITH 1/4"Ø TEK SCREW OR EQUIVALENT. USE TEK SCREW MANUFACTURER'S TORQUE SPECIFICATION

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL, COMPONENT DETAIL, LEVELING SPACER ON STANDOFF"

INSTALLATION STEPS:

STEP 1:

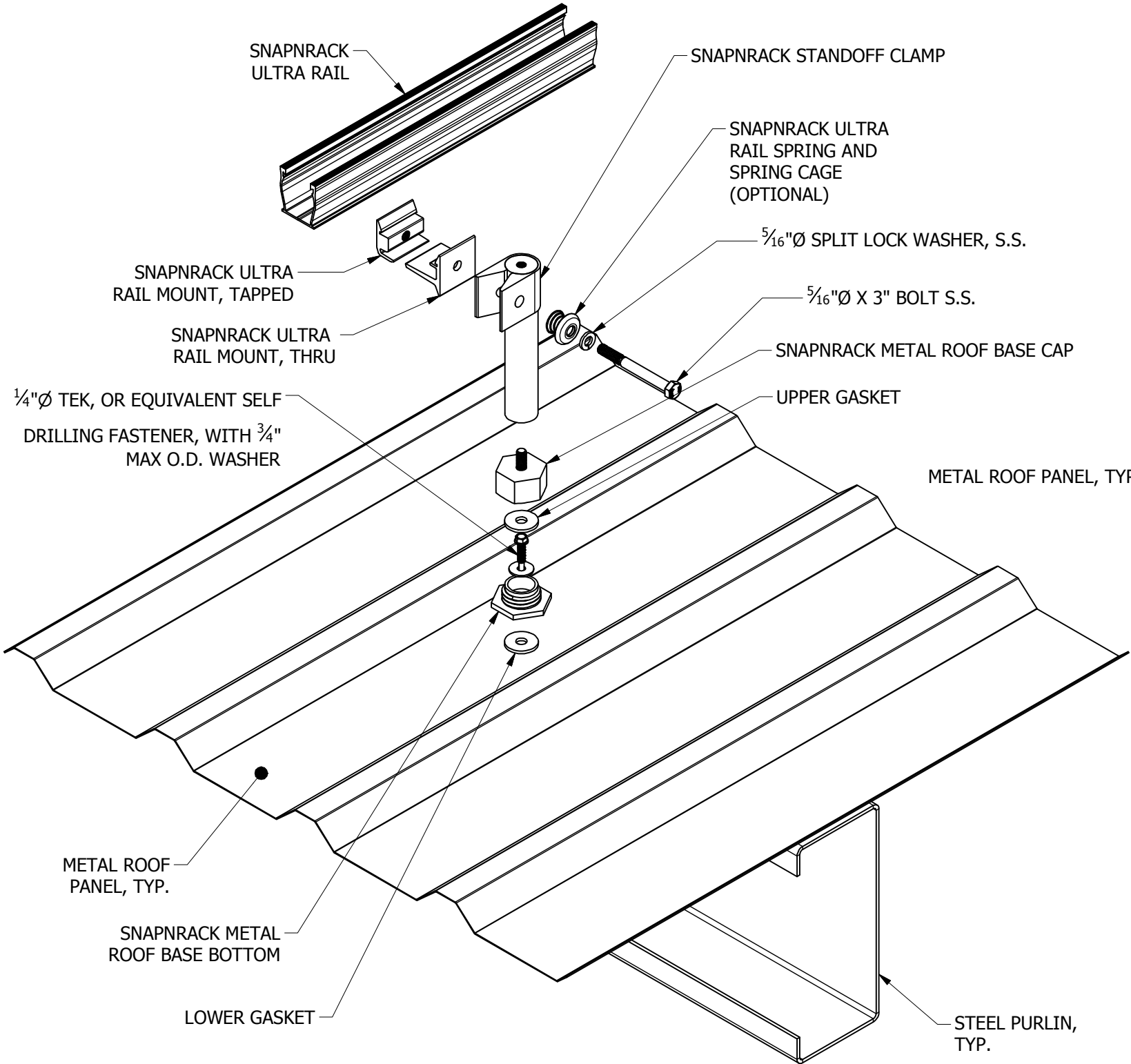
ATTACH METAL ROOF BASE TO PURLIN WITH 1/4"Ø TEK OR EQUIVALENT SELF DRILLING SCREW. TORQUE TO MANUFACTURER SPECIFICATIONS

STEP 2:

THREAD METAL ROOF BASE CAP ONTO METAL ROOF BASE BOTTOM. TAKE CARE TO ENSURE THE BASE DOES NOT TWIST WHEN CAP IS TIGHTENED. ENSURE CAP IS FULLY SEATED TO BASE.

STEP 3:

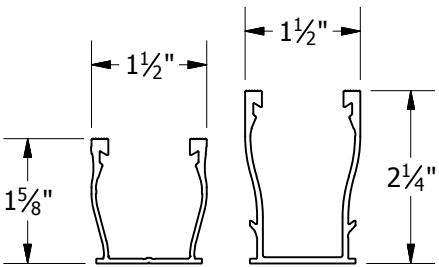
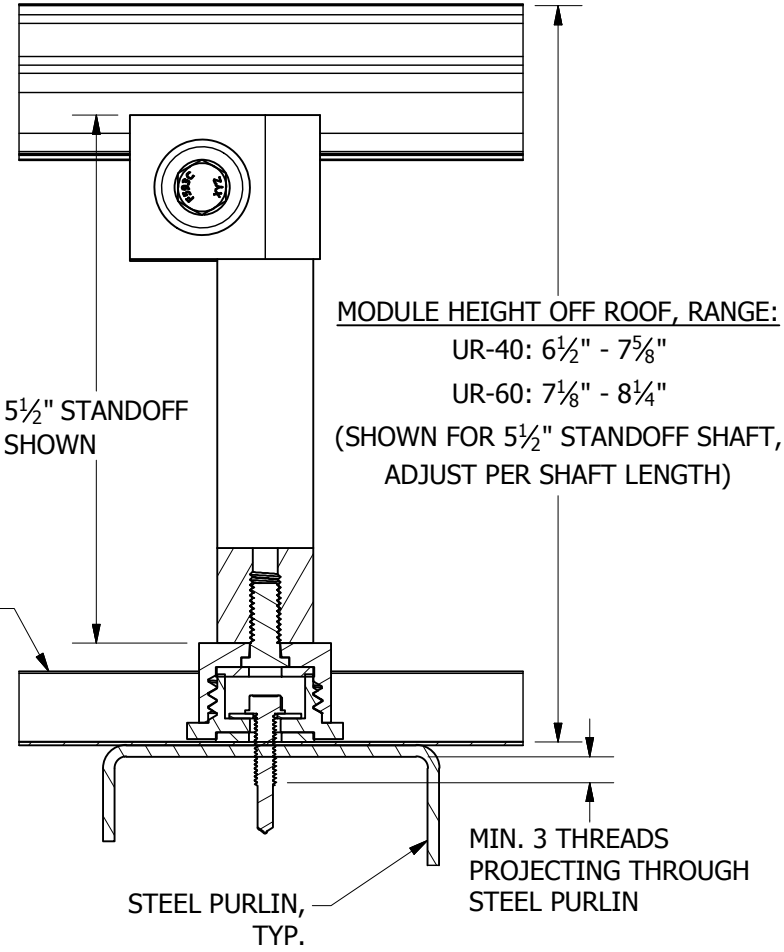
ATTACH STANDOFF TO STUD IN METAL ROOF BASE CAP.



BIN:
5

REVISION:

1	5/7/2019	NEW DETAIL	MJA



UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

ULTRA RAIL METAL ROOF BASE, EXPLODED

PENETRATION DETAIL

SNAPNRACK ULTRA RAIL HANGER BOLT CLAMPS FOR ATTACHING TO HANGER BOLTS ON VARIOUS ROOF TYPES

REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

HANGER BOLT CLAMPS HAVE BEEN DESIGNED FOR USE WITH STANDARD 3/8"Ø S.S. HANGER BOLTS. THEY ARE COMPATIBLE WITH ANY 3/8"Ø S.S. BOLT OR THREADED ROD

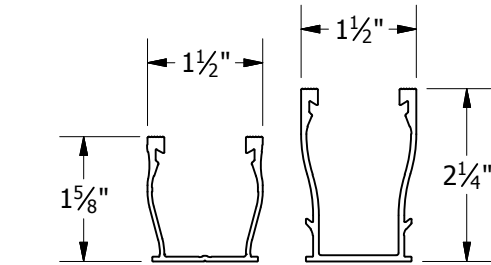
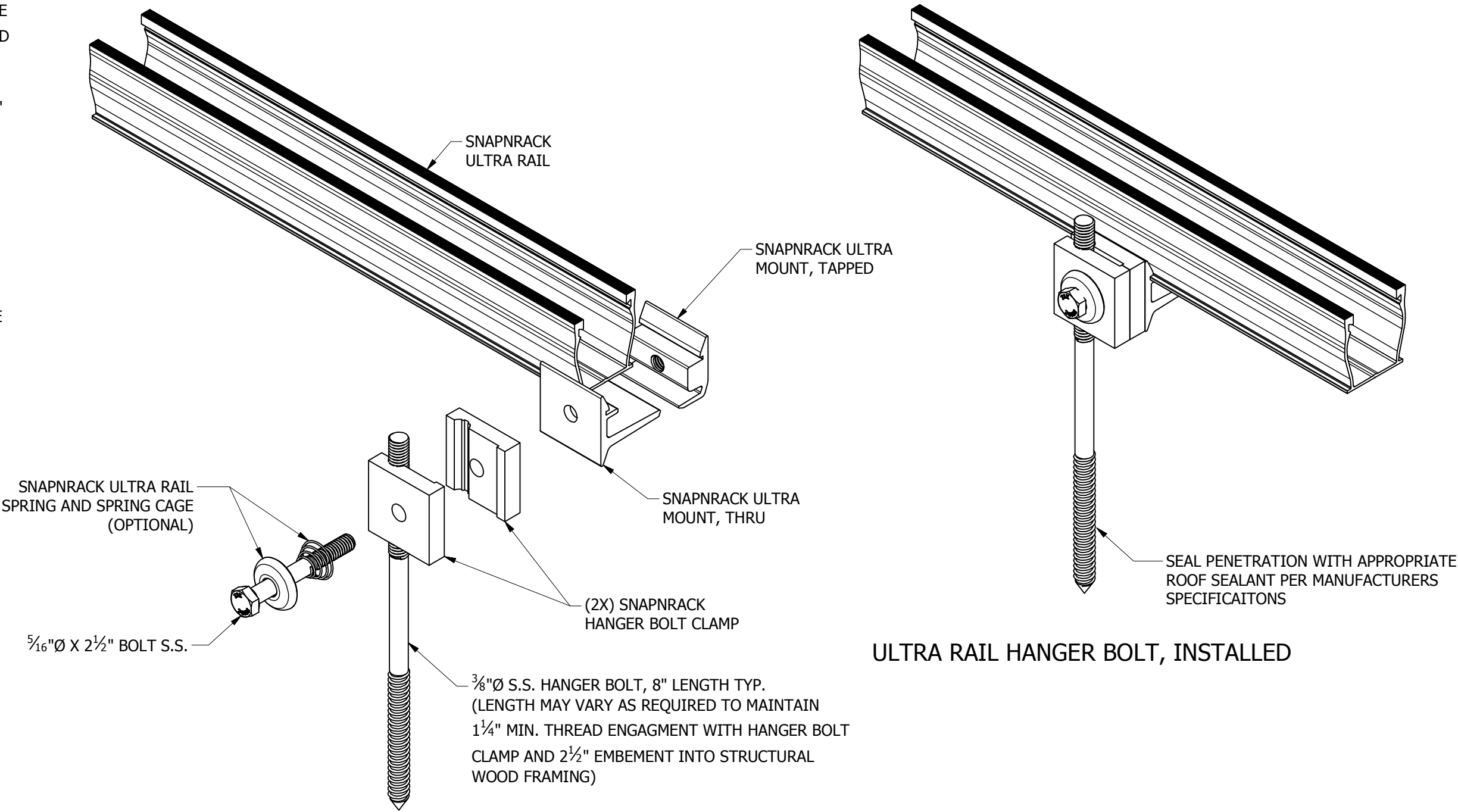
3/8"Ø S.S. HANGER BOLT MUST EMBED A MIN. OF 2 1/2" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

HANGER BOLT MUST MAINTAIN 1 1/4" MIN. THREAD ENGAGEMENT WITH HANGER BOLT CLAMP **AT ALL TIMES**

RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF THE HANGER BOLT

BIN:	2		
	REVISION:	1	5/7/2019
		NEW DETAIL	MJA



UR-40 RAIL | UR-60 RAIL
 FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

	Sunrun South LLC 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC.	DESIGNER: <u>G.MCPHEETERS</u> DRAFTER: <u>M.AFFENTRANGER</u> APPROVED BY: <u>B.PETERSON</u>	SCALE: DNS	DRAWING NUMBER: SNR-DC-00354	DESCRIPTION: ULTRA RAIL, ATTACHMENT DETAIL, HANGER BOLT	REV: 1
			DATE: 5/7/2019			

SNAPNRACK ULTRA RAIL TILE ROOF HOOK WS FOR MOUNTING TO W AND S PROFILE TILE ROOFS

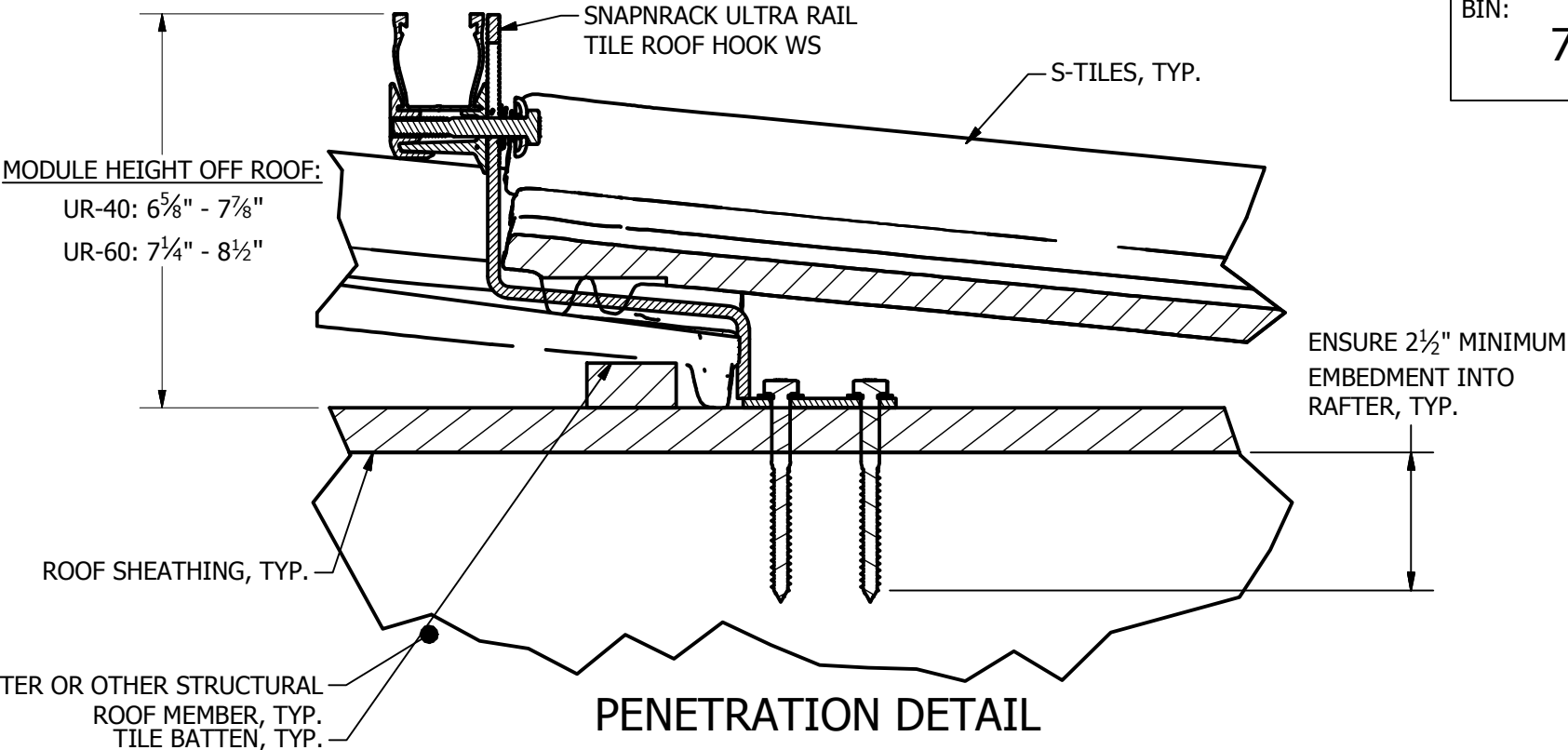
REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS.
"BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS DRAWING

5/16"Ø S.S. LAG SCREWS MUST EMBED A MIN. OF 2½" INTO STRUCTURAL MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

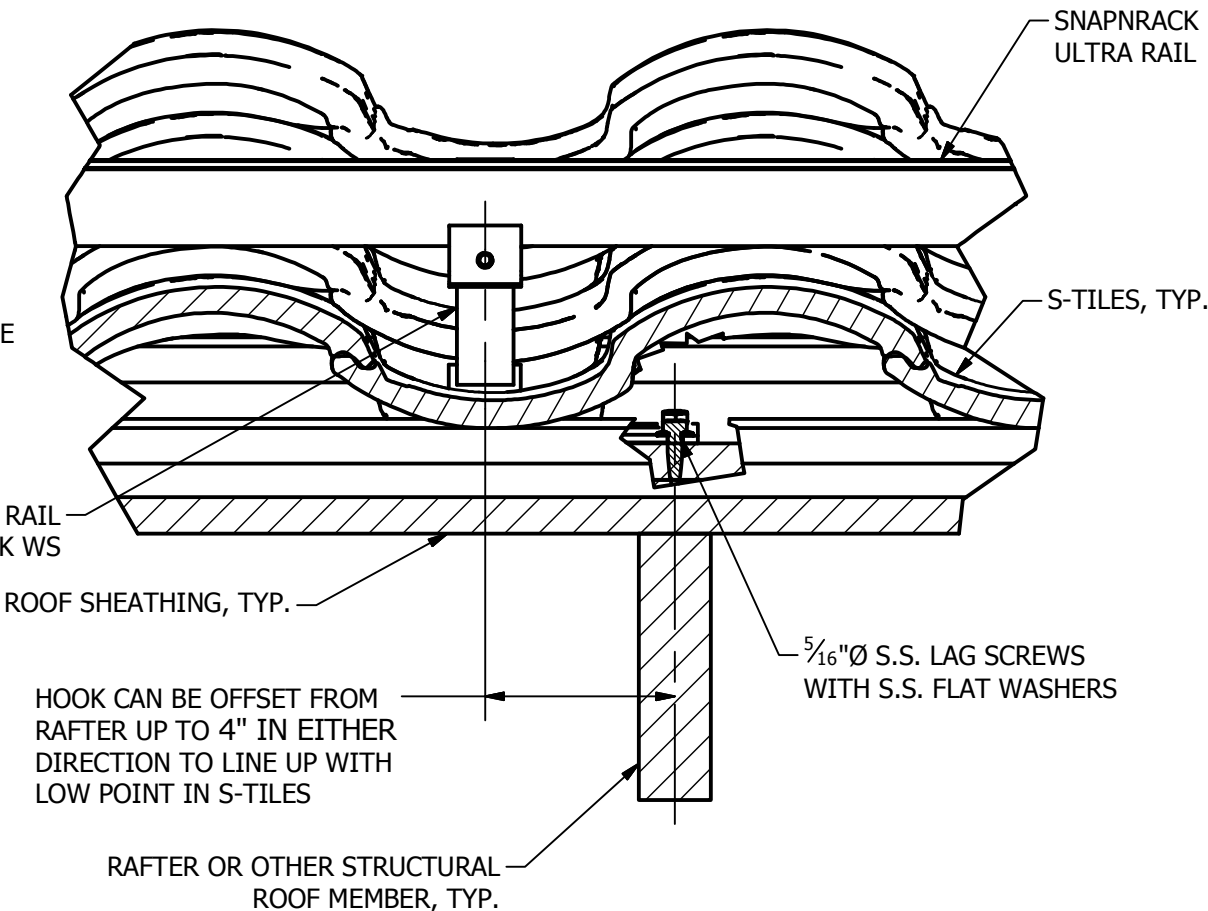
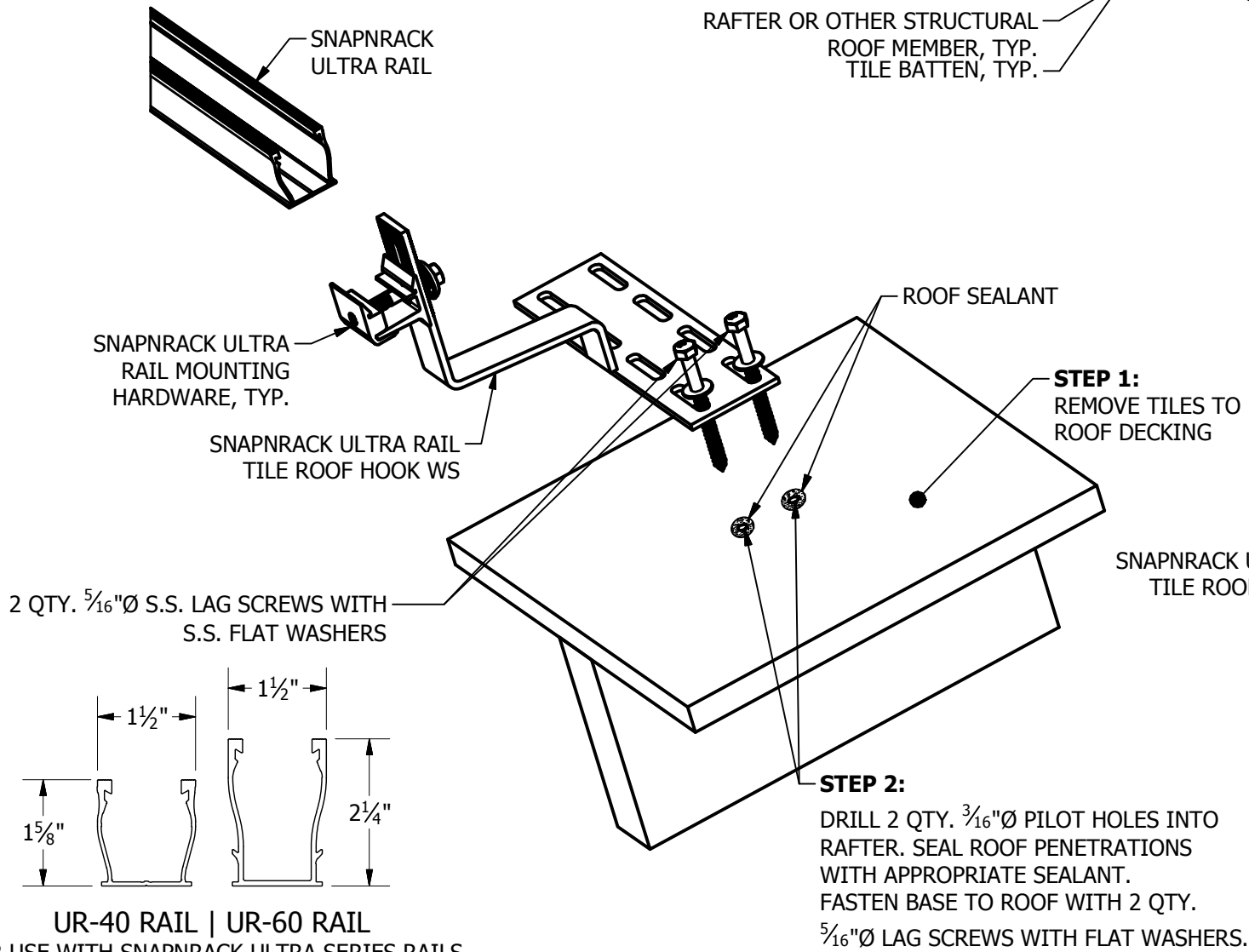
RAILS CAN MOUNT TO EITHER SIDE OF TILE HOOK (UPSLOPE VS. DOWNSLOPE)

RAILS CAN BE LEVELED UP TO 1¼" USING THE SLOT IN THE TILE HOOK



BIN:
7

REVISION:			
1	5/7/2019	NEW DETAIL	MJA



SNAPNRACK ULTRA RAIL TILE ROOF HOOK F FOR MOUNTING TO FLAT
 PROFILE TILE ROOFS

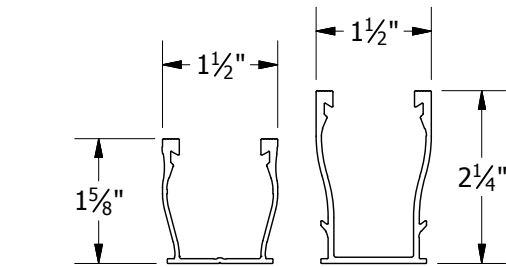
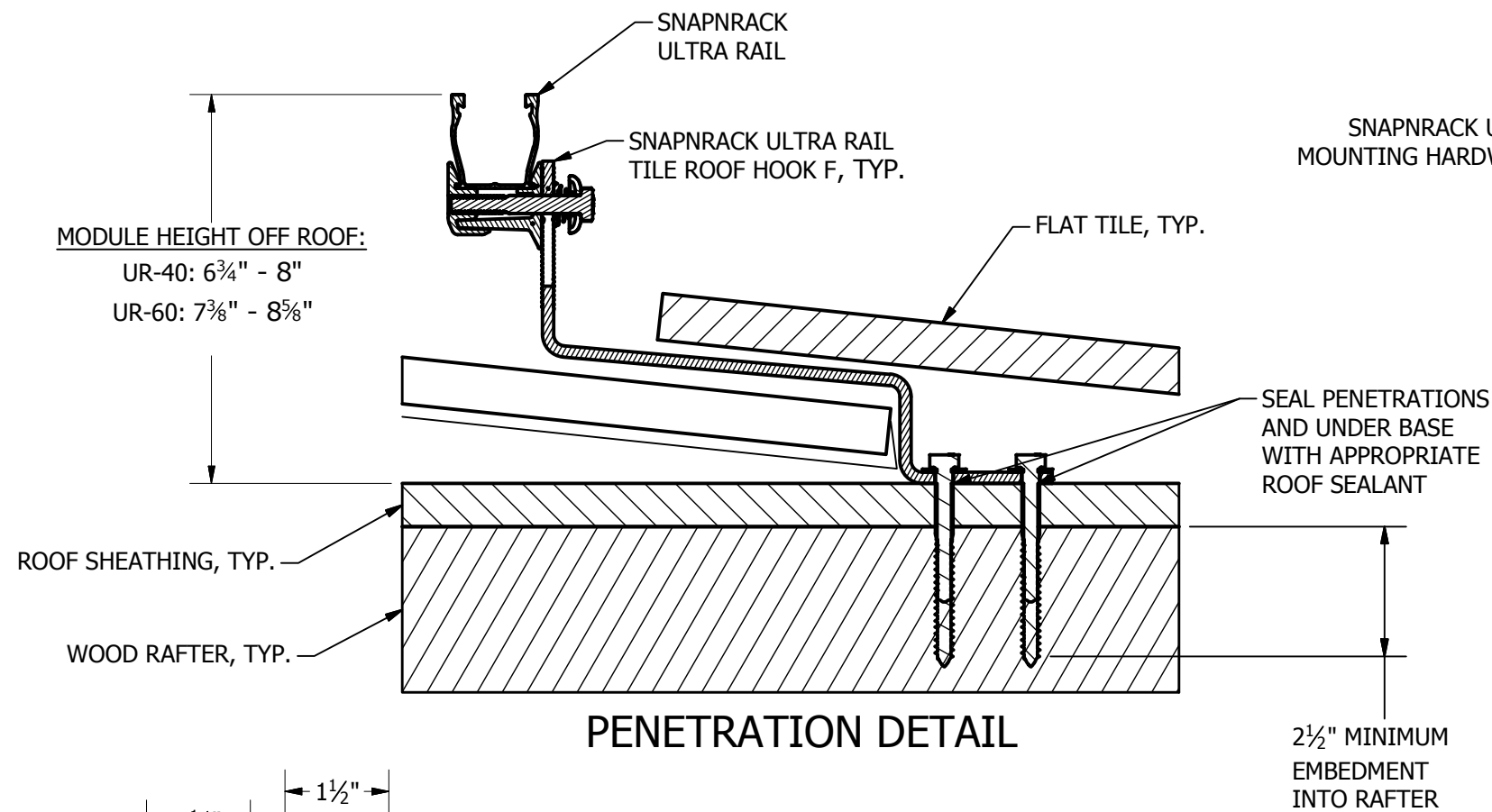
REFER TO SNAPNRACK ENGINEERING CHARTS FOR APPLICABLE RAIL SPANS.
 "BIN" NUMBER ON CHART SHOULD MATCH "BIN" NUMBER ON THIS
 DRAWING

$\frac{5}{16}$ "Ø S.S. LAG SCREWS MUST EMBED A MIN. OF 2½" INTO STRUCTURAL
 MEMBER

REFER TO SNAPNRACK INSTALLATION MANUAL FOR $\frac{5}{16}$ "Ø HARDWARE
 TORQUE SPECIFICATIONS

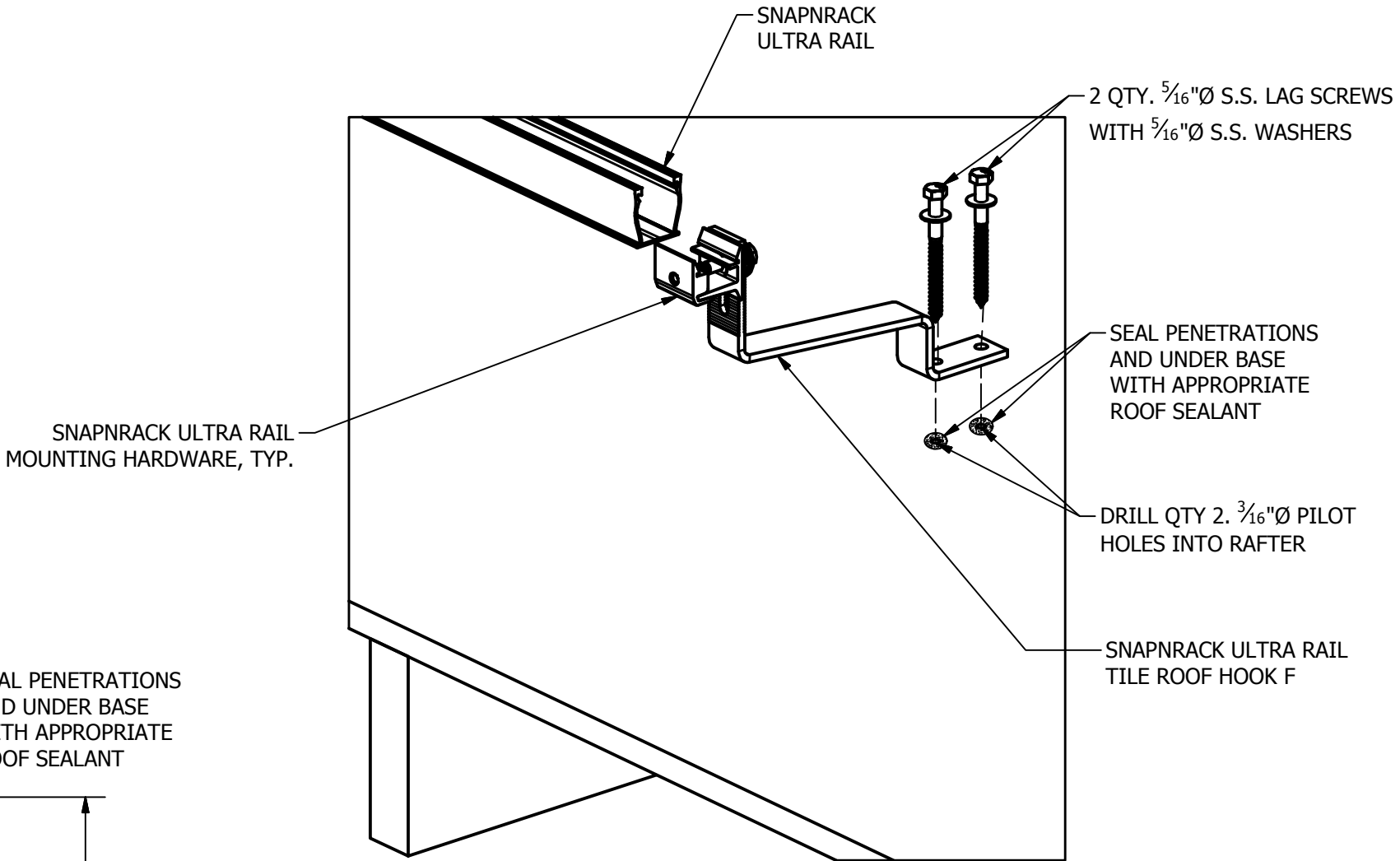
RAILS CAN MOUNT TO EITHER SIDE OF TILE HOOK (UPSLOPE VS.
 DOWNSLOPE)

RAILS CAN BE LEVELED UP TO 1¼" USING THE SLOT IN THE TILE HOOK.



UR-40 RAIL | UR-60 RAIL
 FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

BIN:	7		
	REVISION:	1	5/7/2019
		NEW DETAIL	MJA



ULTRA RAIL TILE ROOF HOOK F, EXPLODED

	Sunrun South LLC 595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA PHONE (415) 580-6900 • FAX (415) 580-6902 THE INFORMATION IN THIS DRAWING IS CONFIDENTIAL AND PROPRIETARY. ANY REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF SUNRUN SOUTH LLC.	DESIGNER: <u>D.RYAN</u> DRAFTER: <u>M.AFFENTRANGER</u> APPROVED BY: <u>B.PETERSON</u>	SCALE: <u>DNS</u>	DRAWING NUMBER: SNR-DC-00356	DESCRIPTION: ULTRA RAIL, ATTACHMENT DETAIL, ULTRA RAIL TILE ROOF HOOK F TO RAFTER	REV: 1
			DATE: <u>5/7/2019</u>			

SNAPNRACK ULTRA RAIL STANDARD STANDOFF
ON 4-HOLE BASE MOUNTED TO METAL PURLIN

REFER TO SNAPNRACK ENGINEERING CHARTS
FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON
CHART SHOULD MATCH "BIN" NUMBER ON THIS
DRAWING:

***BIN 5** WHEN INSTALLED WITH 5 1/2" STANDOFF

***BIN 6** WHEN INSTALLED WITH 8 1/2" STANDOFF

MIN. 3 FULL THREADS PROJECTING THROUGH
PURLIN WHEN FASTENING WITH 1/4"Ø TEK
SCREW OR EQUIVALENT. USE TEK SCREW
MANUFACTURER TORQUE SPECIFICATION

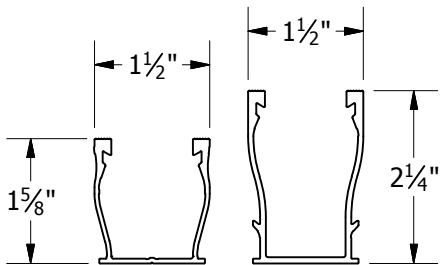
REFER TO SNAPNRACK INSTALLATION MANUAL
FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF
THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK
DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL,
COMPONENT DETAIL, LEVELING SPACER ON
STANDOFF"

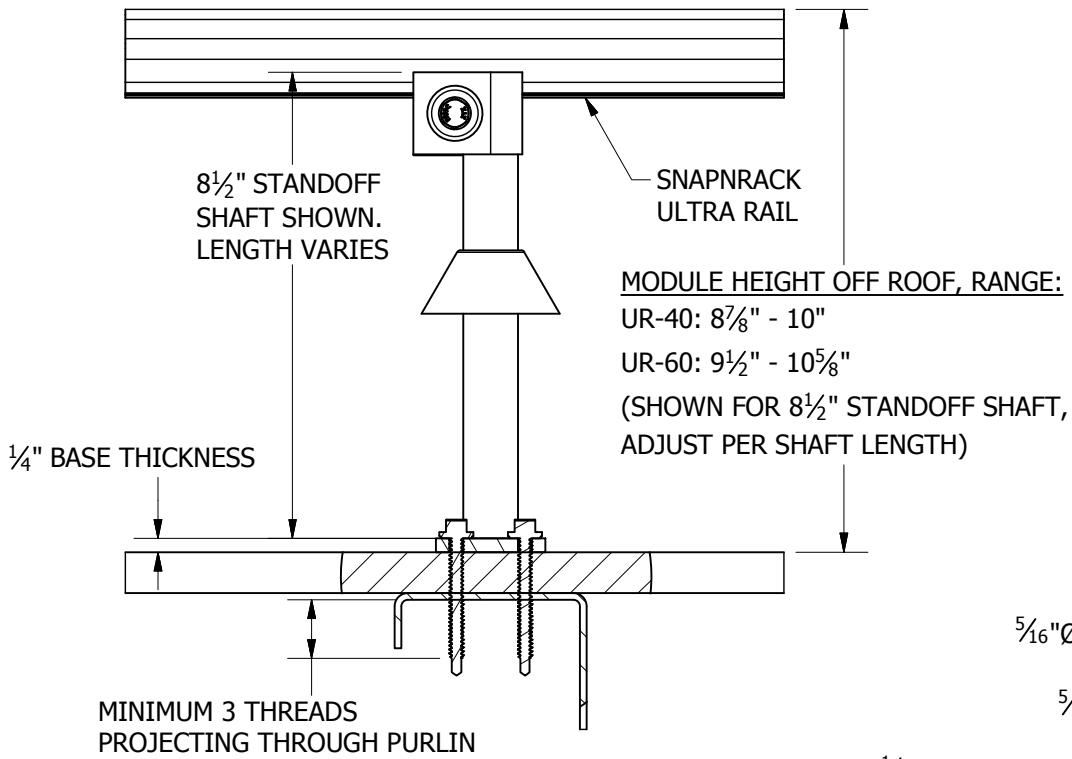
****A POURED SEALANT-STYLE FLASHING MAY BE
USED WITH SNAPNRACK STANDOFFS AS AN
ALTERNATIVE TO CONE FLASHINGS WHEN
INSTALLED PER THE MANUFACTURER'S
SPECIFICATIONS ON LOW-SLOPE ROOF
SURFACES**

COVER FLASHING WITH SNAPNRACK
RAIN COLLAR AND SEAL WITH AN
APPROPRIATE ADHESIVE ROOF SEALANT

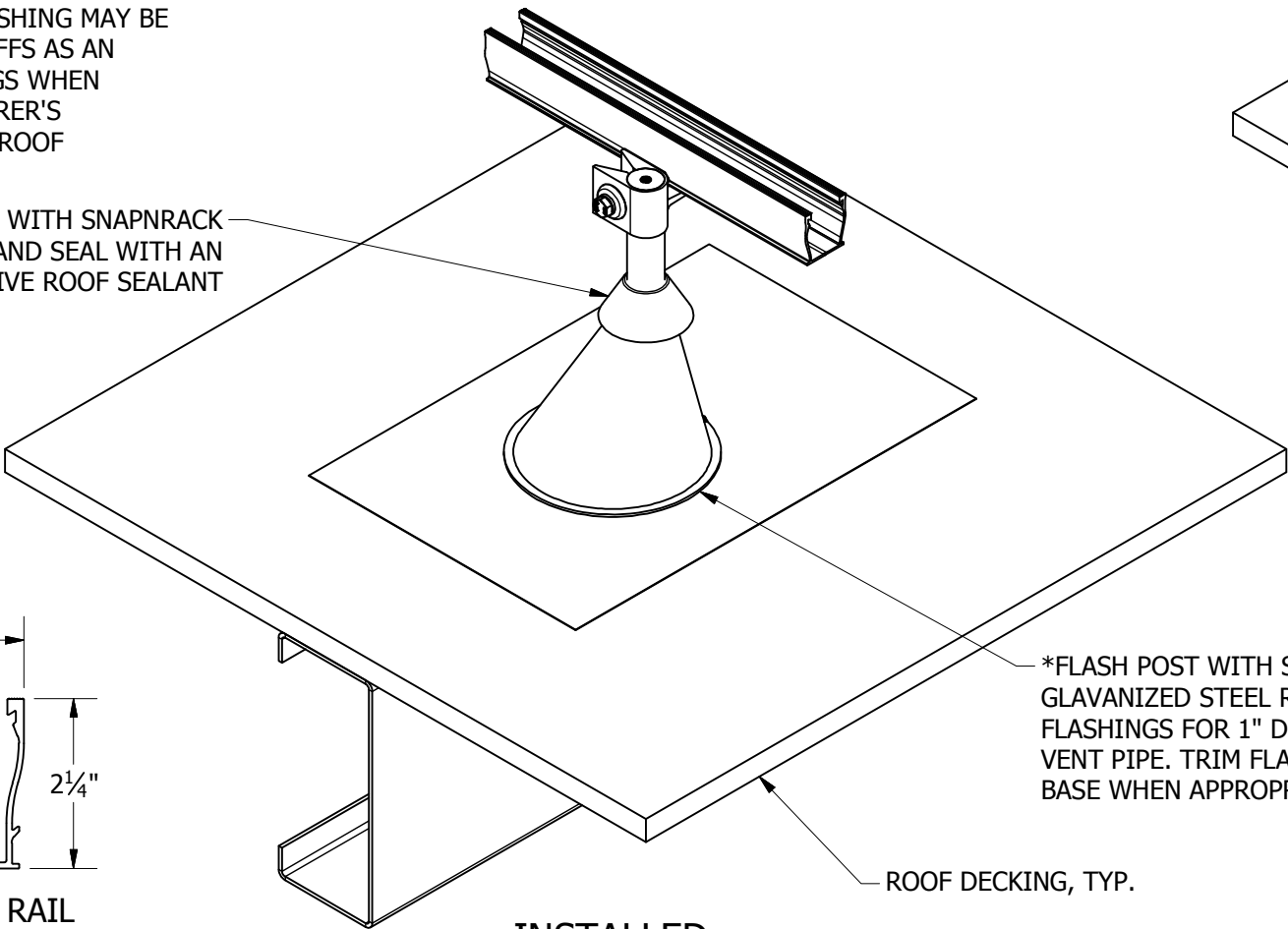


UR-40 RAIL | UR-60 RAIL

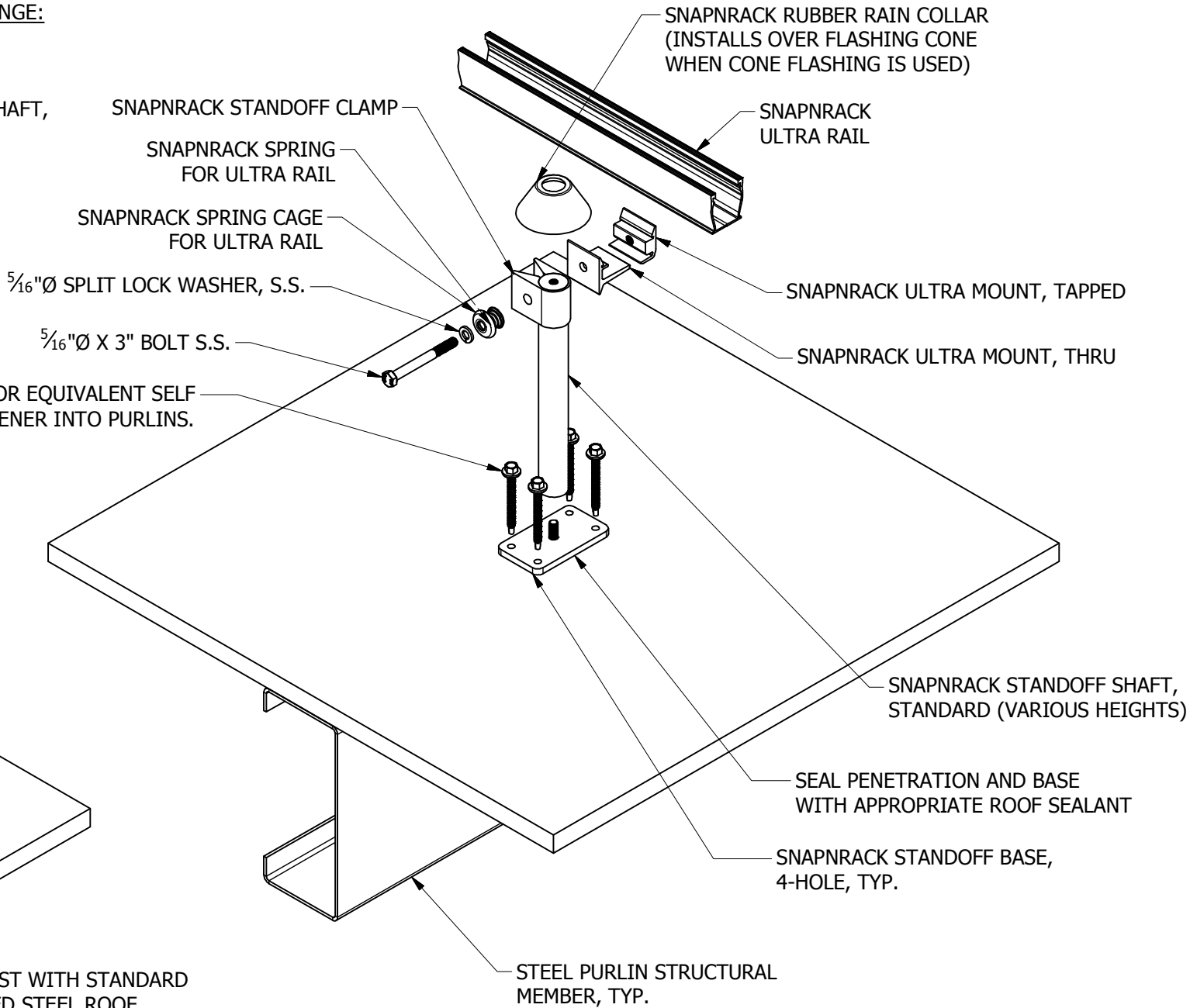
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



PENETRATION DETAIL



INSTALLED



EXPLODED

BIN:
***5, *6**

REVISION:		
1	5/7/2019	NEW DETAIL MJA

SNAPNRACK ULTRA RAIL STANDARD STANDOFF
ON 4-HOLE BASE MOUNTED TO METAL PURLIN

REFER TO SNAPNRACK ENGINEERING CHARTS
FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON
CHART SHOULD MATCH "BIN" NUMBER ON THIS
DRAWING:

***BIN 5** WHEN INSTALLED WITH 5 1/2" STANDOFF

***BIN 6** WHEN INSTALLED WITH 8 1/2" STANDOFF

MIN. 3 FULL THREADS PROJECTING THROUGH
PURLIN WHEN FASTENING WITH 1/4"Ø TEK
SCREW OR EQUIVALENT. USE TEK SCREW
MANUFACTURER TORQUE SPECIFICATION

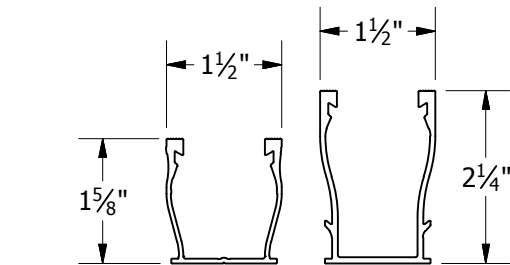
REFER TO SNAPNRACK INSTALLATION MANUAL
FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF
THE STANDOFF SHAFT

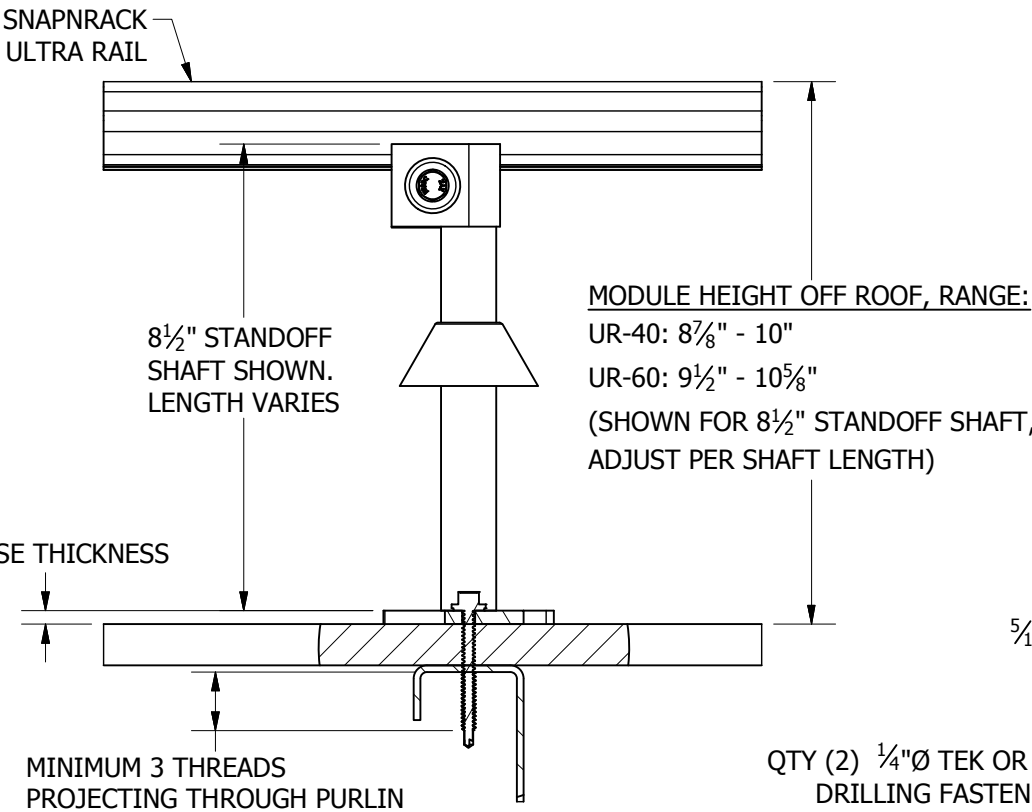
FOR LEVELING DETAILS, REFER TO SNAPNRACK
DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL,
COMPONENT DETAIL, LEVELING SPACER ON
STANDOFF"

**A POURED SEALANT-STYLE FLASHING MAY BE
USED WITH SNAPNRACK STANDOFFS AS AN
ALTERNATIVE TO CONE FLASHINGS WHEN
INSTALLED PER THE MANUFACTURER'S
SPECIFICATIONS ON LOW-SLOPE ROOF
SURFACES

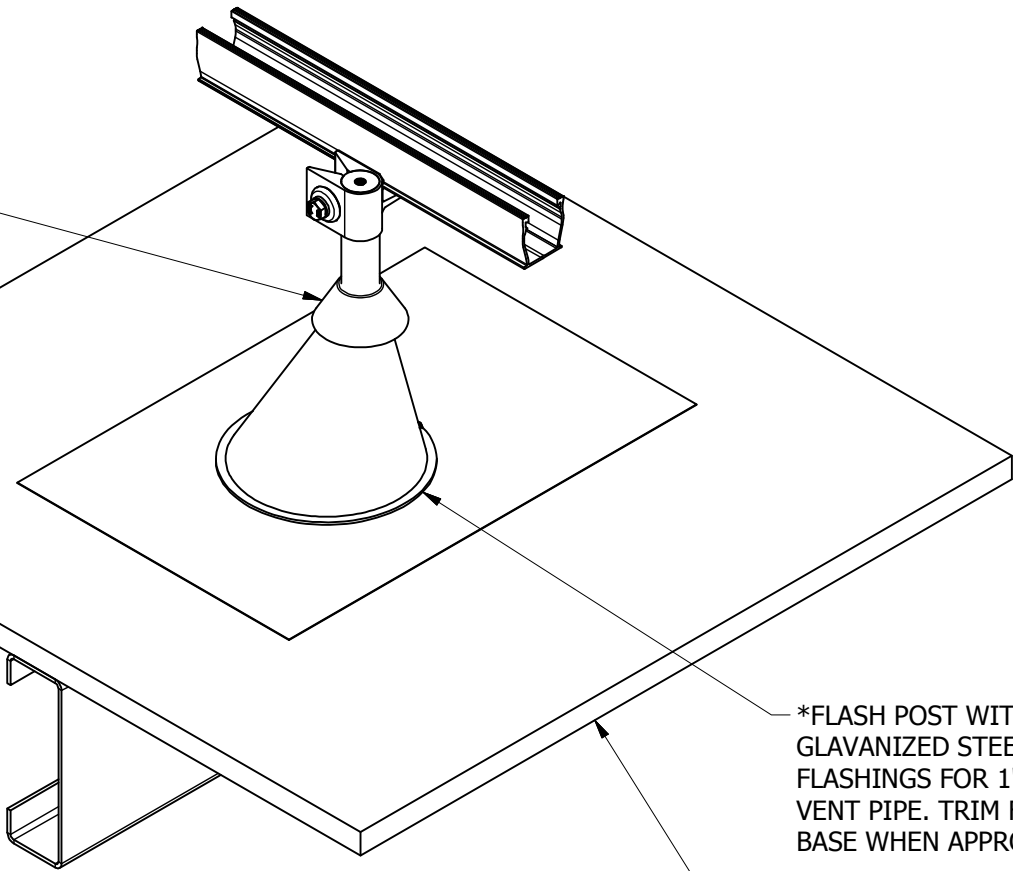
COVER FLASHING WITH SNAPNRACK
RAIN COLAR AND SEAL WITH AN
APPROPRIATE ADHESIVE ROOF SEALANT



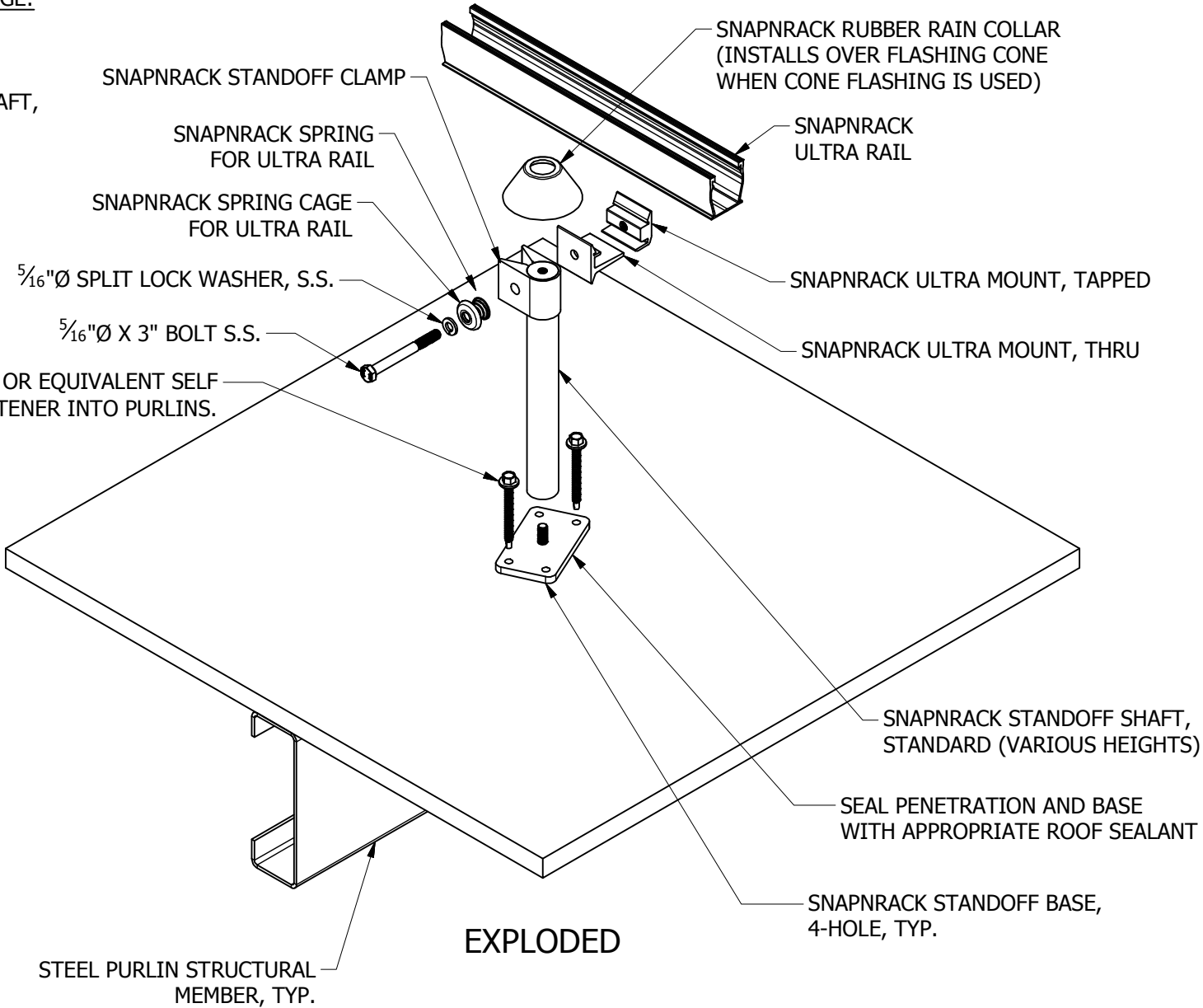
UR-40 RAIL | UR-60 RAIL
FOR USE WITH SNAPNRACK ULTRA SERIES RAILS



PENETRATION DETAIL



INSTALLED



EXPLODED

BIN:
*5, *6

REVISION:			
1	5/7/2019	NEW DETAIL	MJA

SNAPNRACK ULTRA RAIL STANDARD STANDOFF
ON 4-HOLE BASE MOUNTED TO FLAT RAFTER

REFER TO SNAPNRACK ENGINEERING CHARTS
FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON
CHART SHOULD MATCH "BIN" NUMBER ON THIS
DRAWING:

***BIN 5** WHEN INSTALLED WITH 5 1/2" STANDOFF

***BIN 6** WHEN INSTALLED WITH 8 1/2" STANDOFF

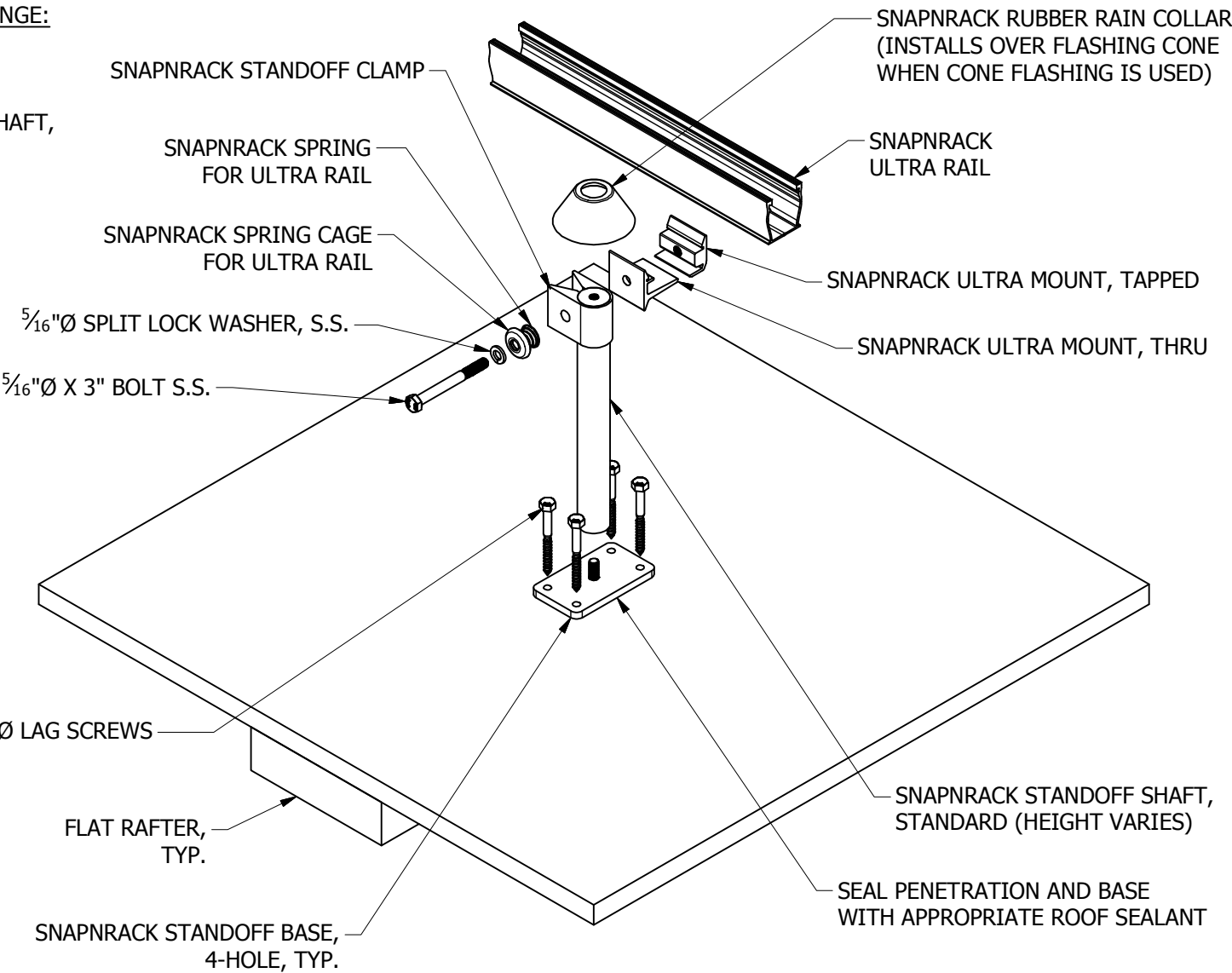
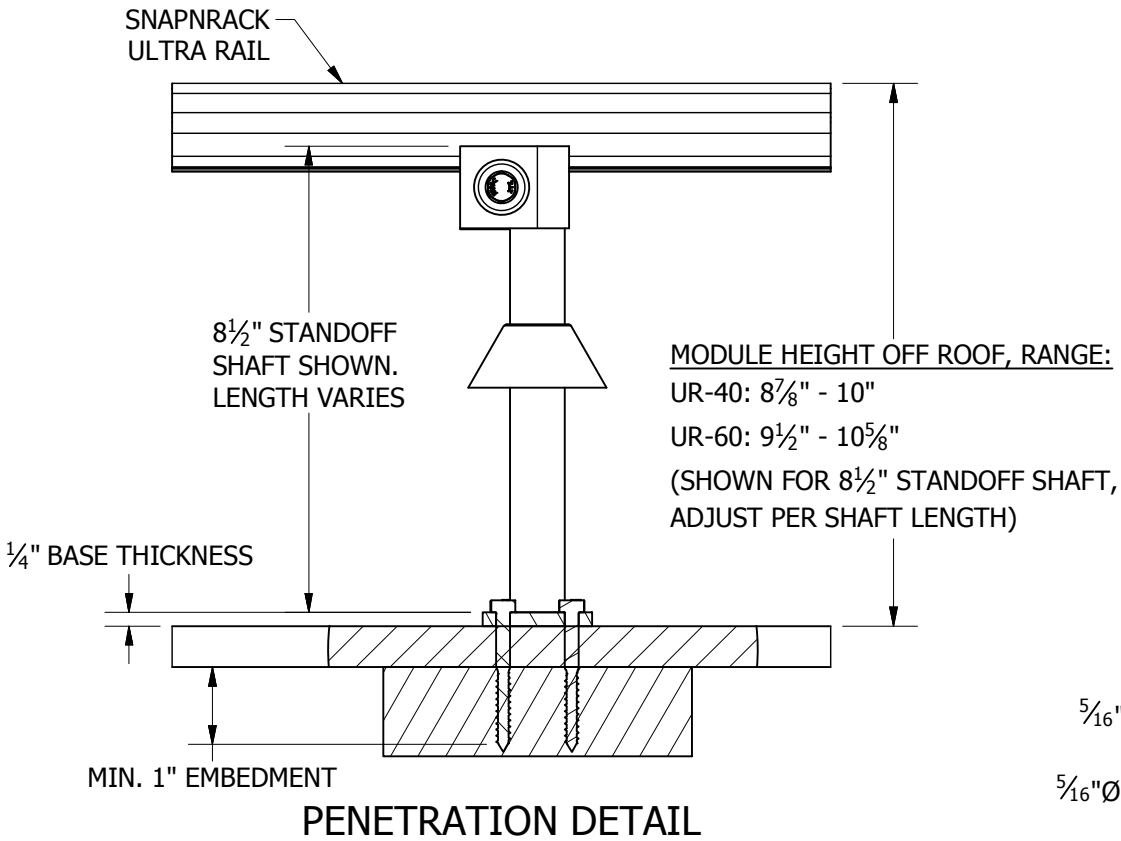
1/4"Ø S.S. LAG SCREWS MUST EMBED A MIN. OF
1" INTO FLAT RAFTER

REFER TO SNAPNRACK INSTALLATION MANUAL
FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

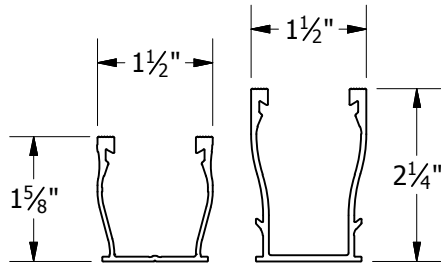
RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF
THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK
DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL,
COMPONENT DETAIL, LEVELING SPACER ON
STANDOFF"

**A POURED SEALANT-STYLE FLASHING MAY BE
USED WITH SNAPNRACK STANDOFFS AS AN
ALTERNATIVE TO CONE FLASHINGS WHEN
INSTALLED PER THE MANUFACTURER'S
SPECIFICATIONS ON LOW-SLOPE ROOF
SURFACES



COVER FLASHING WITH SNAPNRACK
RAIN COLAR AND SEAL WITH AN
APPROPRIATE ADHESIVE ROOF SEALANT



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

INSTALLED

ROOF DECKING, TYP.

**FLASH POST WITH STANDARD
GLAVANIZED STEEL ROOF
FLASHINGS FOR 1" DIAMETER
VENT PIPE. TRIM FLASH FLASHING
BASE WHEN APPROPRIATE.



Sunrun South LLC
595 MARKET STREET, 29TH FLOOR • SAN FRANCISCO, CA 94105 USA
PHONE (415) 580-6900 • FAX (415) 580-6902
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REPRODUCTION, DISCLOSURE, OR USE THEREOF IS PROHIBITED WITHOUT THE
WRITTEN CONSENT OF SUNRUN SOUTH LLC.

DESIGNER: G.MCPHEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 5/7/2019

DRAWING NUMBER:
SNR-DC-00359

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE
BASE WITH STANDOFF TO FLAT RAFTER

REV:
1

BIN:
*5, *6

REVISION:		
1	5/7/2019	NEW DETAIL MJA

SNAPNRACK ULTRA RAIL STANDARD STANDOFF
ON 4-HOLE BASE MOUNTED TO FLAT RAFTER

REFER TO SNAPNRACK ENGINEERING CHARTS
FOR APPLICABLE RAIL SPANS. "BIN" NUMBER ON
CHART SHOULD MATCH "BIN" NUMBER ON THIS
DRAWING:

***BIN 5** WHEN INSTALLED WITH 5 1/2" STANDOFF

***BIN 6** WHEN INSTALLED WITH 8 1/2" STANDOFF

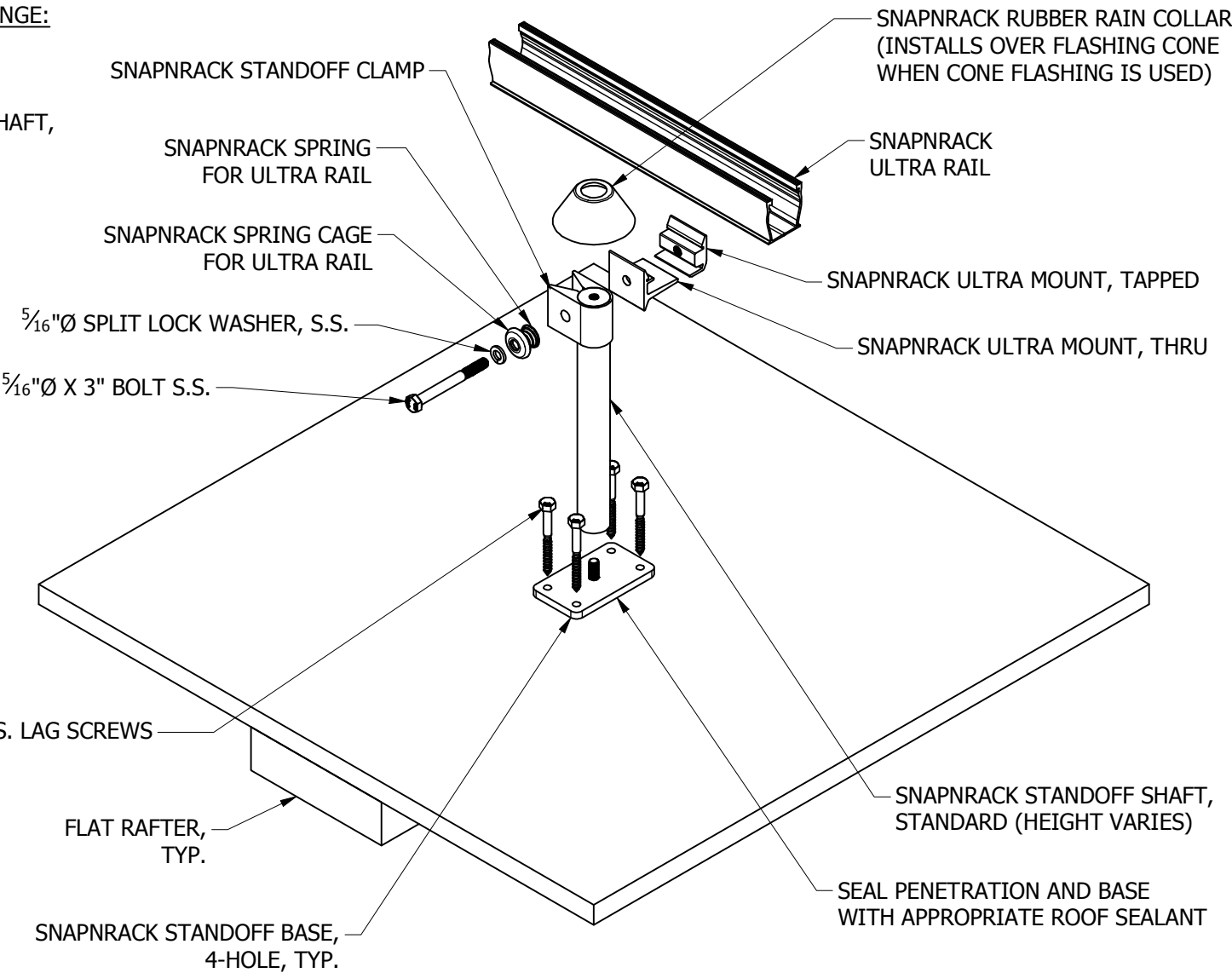
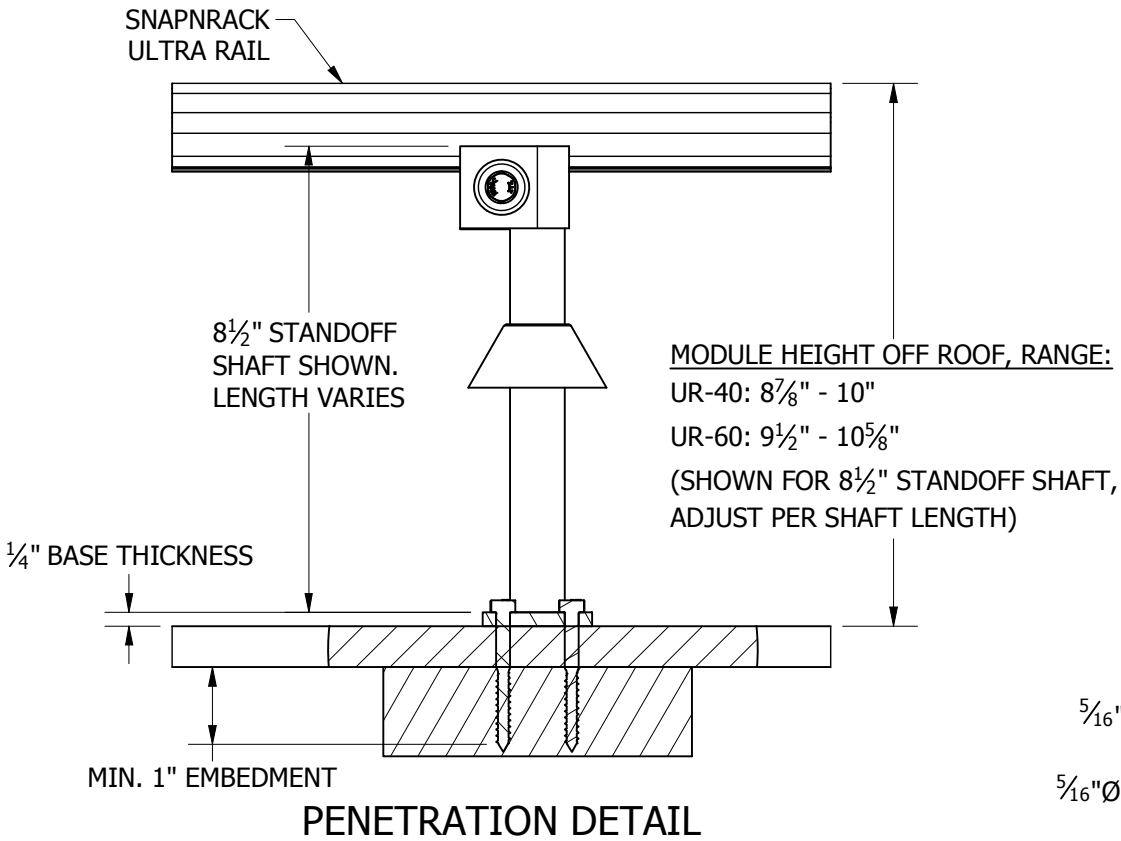
1/4"Ø S.S. LAG SCREWS MUST EMBED A MIN. OF
1" INTO FLAT RAFTER

REFER TO SNAPNRACK INSTALLATION MANUAL
FOR 5/16"Ø HARDWARE TORQUE SPECIFICATIONS

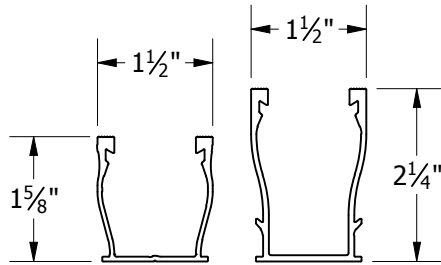
RAILS CAN MOUNT UPSLOPE OR DOWNSLOPE OF
THE STANDOFF SHAFT

FOR LEVELING DETAILS, REFER TO SNAPNRACK
DETAIL DRAWING "SNR-DC-00334 ULTRA RAIL,
COMPONENT DETAIL, LEVELING SPACER ON
STANDOFF"

**A POURED SEALANT-STYLE FLASHING MAY BE
USED WITH SNAPNRACK STANDOFFS AS AN
ALTERNATIVE TO CONE FLASHINGS WHEN
INSTALLED PER THE MANUFACTURER'S
SPECIFICATIONS ON LOW-SLOPE ROOF
SURFACES



COVER FLASHING WITH SNAPNRACK
RAIN COLAR AND SEAL WITH AN
APPROPRIATE ADHESIVE ROOF SEALANT



UR-40 RAIL | UR-60 RAIL

FOR USE WITH SNAPNRACK ULTRA SERIES RAILS

INSTALLED

ROOF DECKING, TYP.

**FLASH POST WITH STANDARD
GLAVANIZED STEEL ROOF
FLASHINGS FOR 1" DIAMETER
VENT PIPE. TRIM FLASH FLASHING
BASE WHEN APPROPRIATE.



Sunrun South LLC
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DESIGNER: G.MCPHEETERS
DRAFTER: M.AFFENTRANGER
APPROVED BY: B.PETERSON

SCALE: DNS
DATE: 6/18/2019

DRAWING NUMBER:
SNR-DC-00359

DESCRIPTION:
ULTRA RAIL, ATTACHMENT DETAIL, 4-HOLE
BASE WITH STANDOFF TO FLAT RAFTER

REV:
1

BIN:
*5, *6

REVISION:			
1	5/7/2019	NEW DETAIL	MJA
1	6/18/2019	DRO-00138	MJA