July 06, 2021

Mr. Milton P. Nogueira Jr.
Roof Tech Inc.
10620 Treena St. Suite 230
San Diego, CA 92131

Dear Mr. Nogueira,

Re: Roof Tech RT Mini II – Structural Review - for Ontario, Canada – OBC 2012 w/ addendum

Thank you for retaining our office to carry out the structural review of the Roof Tech RT Mini II for use with the Rail Option to install Photovoltaic (PV) panels.

The purpose of the review was to assess the spacing requirement for the Roof Tech RT Mini II photovoltaic (PV) panel roof mount system used with the Rail Option. Our determination is that the system can be safely connected to roof structures in Ontario according to Ontario Building Code (OBC 2012 w/ addendum) requirements for various site conditions and arrangements as detailed in the attached tables. The provisions of National Building Code of Canada (NBCC) 2015 have also been considered in the design, and the more severe loading has been considered.

The review consisted of calculating the factored connection resistance of the Roof Tech RT Mini II for shear, downward force and tension based on load test results. These resistances were compared to the factored loading on the connection for various roof substrates, orientations of PV panel on a roof using the Rail Option, for various wind roof zones, terrains, and roof slopes. The maximum corresponding wind and snow environmental site parameters were then determined and the spacings of the mounts determined from an analysis of the capacities observed in load tests.

The analyses presumes that all connections and associated hardware are installed according to Roof Tech RT Mini II Installation Manual and accepted standards of practice for construction. All materials used shall be free of defects and wood substrates shall be according to the minimum thicknesses and grades specified in this report. The installation contractor is responsible for verifying the strength of the roof framing, the structural strength of the PV panels and the capacities of all materials supplied by others as a pre-condition for determining the suitability of use of these tables. Refer to Exhibit A for connection and panel mount orientation as prepared by Starling Madison Lofquist, Inc., for SML project report 471-13.

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If you require any further information please contact the undersigned.

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Summary

Four roof substrates were reviewed: a) 7/16" thick OSB on 2x4 SPF No. 2 rafter, b) 15/32" thick plywood on 2x4 SPF No. 2 rafter c) 7/16" thick OSB only, and d) 15/32" thick plywood. The Roof Tech RT Mini II is connected at each mount to the substrates as shown in Exhibit A. Load tests data from Institute of Building Technology (IBT) and Western Technologies Inc. (WTI) for each of these connection types was used to assess the spacing requirements of the mounts for the allowable range of regional climatic parameters from the NBCC-2015.

System Description

The Roof Tech RT Mini II Photovoltaic Panel Roof Mount System consists of a 6000 Series aluminum base. An appropriately rated “L-Foot”, by others, may be attached to the RT Mount Mini II base with a stainless steel SS304 8.0Ømm bolt and flange nut. An appropriately rated Rail, by others, may be attached to the “L-Foot” per the Rail manufacturer’s installation instructions. The installation of the RT Mount Mini II must be with the long direction parallel to the roof framing, and in accordance with Roof Tech’s Installation Manual. The system is attached to the wood substrate with SS304 5.0Ø mm x 60 mm long wood screws. **Two** (2) wood screws are required at the “Centered Rafter” installations with plywood, **Six** (6) wood screws are required at the “Centered Rafter” installations with OSB and **five** (5) wood screws are required at the “OSB only” , “Plywood only” and “Off-Centered Rafter” installations.

Connection Load Tests

Load tests conducted by IBT and WTI measured the failure capacity of the connection assembly with 4 different roof wood substrates. In these tests, failure occurred by pullout of the wood screws, attached component failure and failure of susbtrate.

Tests showed that critical failure occurs in one of four ways:

1. Pullout of wood screws from the 2x Rafter/OSB/Plywood.
2. Combined failure-Pull out of wood screws with upper channel seperation allowing bolt head to slip out.
3. Partial failure of upper channel.
4. Failure of OSB.

In order to establish connection capacities, the lowest value of each failure mechanism for each wood substrate was multiplied by a material resistance factor of 0.55 for tension loads, 0.72 for shear loads and 0.81 for compression loads. The resistance factor was based on formulas presented in CAN/CSA-086-19 (Engineering Design in Wood) for similar proprietary wood connection products where the capacity is assessed through load testing. The material resistance factor of 0.6 for tension, 0.8 in shear and 0.9 in compression/bending is multiplied by a test reliability factor of 0.91 for a minimum of six tests. These values are shown in Table 1 below. The tests for rafter connections were conducted for D.Fir-L, which is not the commonly used lumber in Canada, thus values for rafter connections are adjusted for SPF lumber

by reduction factor of 0.9 and 0.75 for shear and tension capacities, respectively.The factored connection resistance was compared to factored loads as per OBC 2012.

Table 1: Factored test resistance of roof wood substrates

Serial No.	Substrate Material with 2 layers Asphalt Shingles	Factored test resistance = Ø x (minimum test result) kN		
		Tension	Shear	Compression
1	15/32” plywood over centered 2x4 D.Fir-L #2 Rafter with (2)-60mm screws.	3.706(1)	3.340(2)	5.403
2	15/32” plywood over centered 2x4 D.Fir-L #2 Rafter with (2)-90mm screws.	3.633(1)	4.166(2)	5.403
3	7/16” OSB Sheathing over centered 2x4 D.Fir-L #2 Rafter with (6)-60mm screws.	4.354(1)	3.981(2)	5.403
4	7/16" OSB Sheathing over off -centered 2x4 D.Fir-L #2 Rafter with (5)-60mm screws	2.062(1)	3.695(2)	1.794
5	7/16" OSB Sheathing only with (5)-60 mm screws	0.673	1.588	1.794
6	15/32" Plywood only (5)-60 mm screws	0.812	1.755	3.236

Note:

1) Tension resistance adjusted for SPF#2 with reduction factor of 0.75 as per CSA-086-19 .
2) Shear resistance adjusted for SPF#2 with reduction factor of 0.9 as per CSA-086-19 .

The parameters and results of our review are summarized below. Refer to Exhibit A for details of the roof mount attachment and mount orientation diagrams.

Connection Load Analysis

Codes:

- Design load and climatic data ranges as per National Building Code of Canada 2015 (NBCC 2015).
- Design codes as per Engineering Design in Wood (CSA 086-19) and Strength Design in Aluminum (CSA S157-05).

Institute of Building Technology:

- Report Number 2426-21007, Project Number 34578, Report Issued April 09, 2021, for Tensile and Shear capacities of RT Mini II on all the three wood substrates.

Test Data from Western Technologies Inc.:

- Job No. 2163XD260:
  - Event no. G260-3, dated January 3, 2014: OSB only and OBS on Rafter, Compression.
  - Event no. G260-6, dated May 30, 2014: Plywood, Compression.

Design Loads and Parameters:

- Dead Loads: 0.19 kPa (4 psf) photovoltaic (PV) panel self-weight including assumed weight of rails.
- Wind Loads: 1 in 50 year wind pressure "q" per NBCC 2015 Climate Data. In determining the external wind pressure "p" acting statically and normal to the surface, the following factors have been used per Clause 4.1.7.3 of OBC-2012:
  - I_w = Importance factor for wind = 1.0 for the ULS loading cases;
  - q = Reference velocity pressure based on a probability of exceedance in any one year of 1 in 50, and which values are used in the Tables;
  - C_e = Exposure factor = 1.0 for Open terrain and 0.7 for Rough terrain;
  - C_t = Topographic factor = 1.0, assuming that the building is not located on a hill or escarpment with a slope greater than 10%;
  - C_g C_p = Values based on Figure 4.1.7.6.-C and 4.1.7.6.-E of OBC-2012
  - $p = I_w . q . C_e . C_t . C_g . C_p$, where p is as mentioned above.
  - If any of the above factors are different for a particular situation, the Tables can still be used by appropriately modifying wind load and using the corresponding value of the "q" listed. Such modification must be done by a person familiar with the requirements of OBC-2012 and NBCC 2015.
- Snow and Rain Loads: 1 in 50 year combined snow and rain load calculated per OBC-2012 using NBCC 2015 Climate Data. In order to use the Tables, the total snow and rain loads have to be calculated by a person familiar with the requirements of OBC-2012 based on the formulae mentioned in the Tables. Importance factor I_s = 1.0 for the ULS loading cases.
- Live Loads: No live load on top of PV cells.
- Seismic Loads: excluded; does not govern by inspection.

Materials and Geometry:

- Roof rafters to be SPF No. 2 spaced at 24" on centre maximum.
- OSB to be minimum 7/16" (11.1 mm) thick, CSA O437 O1 grade with panel edges supported.
- Plywood to be minimum 15/32" (11.9 mm) thick, tongue and groove, Douglas Fir conforming to CSA O121 with panel edges supported.
- Solar panels to be compliant with UL 1703.
- A range of slopes were considered for the roof loads. A conversion table between slopes and angles is provided below for reference.

Table 2: Roof Slope to Roof Angle Conversion

Roof Slope	(m/m)	0 : 12	1 : 12	2 : 12	3 : 12	4 : 12	5 : 12	6 : 12	7 : 12	8 : 12	9 : 12	10: 12	11: 12	12: 12
Roof angle	(deg)	0.0	4.8	9.5	14.0	18.4	22.6	26.6	30.3	33.7	36.9	39.8	42.5	45.0

Wind Roof Zones

The following notation is used in the report in line with OBC-2012 Clause 4.1.7.5. 4 c). Refer to figure 4.1.7.6-C and Figure 4.1.7.6-E in OBC-2012 for location of following zones :

- R = roof in general, except as follows:
- S = within a distance distance equal to the larger of 0.1D and 0.1W from the roof edge,
- C = within a distance equal to the larger of 0.2W and 0.2D from the roof corner,
  where D and W are the widths of the building.

Results

The tables in the following pages summarize the maximum spacing of RT Mini II clamps for 1 in 50 year snow and wind loads for each roof wood substrate. The installation contractor is responsible for verifying the strength of the roof framing, the structural strength of the PV panels and the capacities of all materials supplied by others as a pre-condition for determining the suitability of use of these tables.

An individual who is competent and familiar with OBC-2012 will be required for the use of the tables, prior to installation of the roof connections.

Table 3: Metres to feet conversion

Metres	0.00	0.30	0.61	0.91	1.22	1.52	1.83	2.13	2.44	2.74	3.05
Feet	0	1	2	3	4	5	6	7	8	9	10

Provincial Range Of Environmental Loads

Province		Ss kPa	Sr kPa	q (1/50) kPa
Ontario	MIN	0.80	0.20	0.30
	MAX	3.6	0.40	0.55

Table Notes for Tables RT1 to RT18

The tabulated values are based on the following criteria in addition to the notes above:

1. Building mean roof height = 10m (30 ft) maximum.
2. Importance factor 1.0.
3. Tables are based on solar panel maximum tributary widths of:
   a. Landscape tables: 1.02 m (40 in)
   b. Portrait 60 Cell tables: 1.73 m (68 in)
   c. Portrait 72 Cell tables: 1.97 m (77.5 in)

   If larger tributary widths are being examined the maximum spacings shown in tables must be proportionally reduced. As an example, for a table based on a tributary width of 1.02 m (40 in) and the maximum spacing is given as 2.44 m (96 in), if a larger tributary width of 1.12 m (44 in) is desired, the maximum mount spacing is to be proportionally reduced as 1.02/1.12 x 2.44= 2.22 m spacing (87.3 in).
4. Solar panel & rail dead load = approximately 0.19 kPa (4.0 psf).
5. OSB shall be 24/16 APA rated sheathing minimum (7/16” thick).
6. Plywood shall be 32/16 APA rated sheathing minimum (15/32” thick).
7. Sheathing shall be free of defects including, but not limited to water damage and delamination.
8. Roof rafters or trusses spaced at 0.61m (24”) on centre maximum.
9. The maximum rail cantilever shall be the lesser of 40% of the maximum rail span/ spacing in the Tables below, and the maximum recommended by the rail manufacturer. Provide thermal expansion splices at spacing not exceeding 4.25 metres (14 feet) per rail manufacturer’s instructions.
10. PV panels must be supported per the PV manufacturer’s required orientation, location and/or spacing. Loads shall be limited to the recommended values of PV manufacturer.
11. The mounts are attached through a maximum of 2 layers of composite asphalt roof shingles. Tables not valid on concrete roof tile.
12. Maximum height from bottom of base mount to top of rail shall not exceed 125mm (5”) for the OSB & Plywood only installation options and 175mm (7”) for the rafter installation option. Ref. Exhibit ‘A’ Detail 3.
13. The capacities of the mounts have been checked for shear, compression, and interaction of shear and tension, and the sum of the (factored actual/ factored allowable) is < 1.0.
14. The blanks in the tables are inadmissible loading for the particular mount in that location and loads.

RT-E-Mount Mini II - TABLES

Table: RT1: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
1.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219

Table: RT1: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219	1.219
			S	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Suggested values			S	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.134	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219	1.219
			C	1.829	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	1.219
			S	2.134	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
2.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
Suggested values			S	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	1.524	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			C	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
3.00	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Suggested values			S	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914

Table: RT1: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Suggested values			S	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT2: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 60Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
1.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219

Table: RT2: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 60Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
			S	1.829	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	2.134	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219	1.219
			C	1.829	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	1.219
			S	2.134	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
2.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
			S	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	1.524	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			C	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
3.00	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
Suggested values			S	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219

Table: RT2: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 60Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
Suggested values			S	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
4.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
4.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Is = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT3: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 60Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Suggested values			S	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219
			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Suggested values			S	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219
			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
1.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Suggested values			S	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219
Cw = 1.0			S	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914
Ca = 1.0			C	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	1.829	1.829	1.524	1.219
			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219
			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829
			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524
			C	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524

Table: RT3: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 60Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Suggested values			S	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	2.134	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219
			C	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219
			S	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
			C	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
2.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Suggested values			S	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			C	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
			C	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
3.00	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Suggested values			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
			C	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219

Table: RT3: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 60Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Suggested values			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
			C	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
4.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
4.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
Is = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT4: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	0.914	0.914
			S	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	0.914	0.914
			S	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
1.50	OPEN	0 TO 6	R	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	0.914	0.914
			S	2.134	2.134	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914
			C	2.134	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219

Table: RT4: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914
			S	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
			C	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
			S	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.829	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
2.50	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
			S	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
3.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT4: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT5: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	0.914	0.914
			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	1.829	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219
			S	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	0.914	0.914
			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	1.829	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219
			S	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			C	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
1.50	OPEN	0 TO 6	R	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
			S	2.134	2.134	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	0.914	0.914
			C	2.134	1.829	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	1.829	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219
			S	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	1.219
			C	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	1.219

Table: RT5: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
			S	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914
			C	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219	1.219	0.914
			S	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.829	1.829	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
2.50	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
			S	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.524	1.524	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
3.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610
Suggested values			S	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914

Table: RT5: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
4.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Is = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT6: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.914
Suggested values			S	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
Cw = 1.0			S	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			C	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	1.829	1.524	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.914
Suggested values			S	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219	1.219
Cw = 1.0			S	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			C	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524
1.50	OPEN	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219	1.219
			S	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.914
Suggested values			S	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219	1.219
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219
			C	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219
			S	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			C	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524

Table: RT6: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.914
Suggested values			S	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	1.829	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219
			S	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			C	1.829	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
2.50	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.914
Suggested values			S	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	1.524	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
3.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914
Suggested values			S	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914

Table: RT6: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
4.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
Is = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Is = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT7: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			S	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.134	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Suggested values			S	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cw = 1.0			S	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Ca = 1.0			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			C	1.829	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	2.134	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			S	2.134	1.829	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			C	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
1.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Suggested values			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cw = 1.0			S	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Ca = 1.0			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
			C	0.914	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
			S	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
			S	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
			C	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
1.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Suggested values			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.914	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610

Table: RT7: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
2.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
3.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT7: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.50	OPEN	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	-	-	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT8: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	1.829	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305
			S	1.829	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Suggested values			S	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	1.829	1.829	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			S	1.829	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			C	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610
1.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Suggested values			S	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
			C	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
1.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Suggested values			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610

Table: RT8: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Suggested values			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
2.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
3.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT8: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.00	OPEN	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	-	-	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.50	OPEN	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	-	-	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	-	-	-	-	-	-	-	-	-	-
Suggested values			S	-	-	-	-	-	-	-	-	-	-
Is = 1.0			C	-	-	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		7 TO 27	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT9: RT-E-Mount Mini II - Plywood Only - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	2.438	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	1.829	1.219	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	1.829	1.219	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	2.438	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			S	2.438	1.829	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			C	2.438	1.829	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
1.00	OPEN	0 TO 6	R	2.134	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	1.524	1.219	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	1.524	1.219	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	2.134	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			S	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			C	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
1.50	OPEN	0 TO 6	R	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	1.524	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			C	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305

Table: RT9: RT-E-Mount Mini II - Plywood Only - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
2.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
3.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT9: RT-E-Mount Mini II - Plywood Only - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Suggested values			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
Is = 1.0			C	0.305	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT10: RT-E-Mount Mini II - Plywood Only - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.914	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	2.134	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.134	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	2.438	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	2.438	1.829	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			S	2.438	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	2.438	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
1.00	OPEN	0 TO 6	R	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.914	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.524	0.914	0.914	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			S	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
1.50	OPEN	0 TO 6	R	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.914	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
			S	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305

Table: RT10: RT-E-Mount Mini II - Plywood Only - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.914	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.914	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
2.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.914	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
3.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.610	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.610	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT10: RT-E-Mount Mini II - Plywood Only - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.610	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
			C	0.610	0.610	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	0.305	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT11: RT-E-Mount Mini II - OSB Only - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	1.829	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-
			S	1.219	0.610	0.610	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	0.610	0.610	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.610	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.829	1.219	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	2.134	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.610	0.610	0.305	0.305	0.305	-	-	-	-
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	2.438	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			S	2.438	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	2.438	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
1.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-
			S	0.914	0.610	0.610	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	0.610	0.610	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.610	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	1.219	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	1.219	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			S	1.219	0.610	0.610	0.305	0.305	0.305	-	-	-	-
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
1.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
			S	0.610	0.610	0.610	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.610	0.610	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.610	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.914	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.914	0.610	0.610	0.305	0.305	0.305	-	-	-	-
			C	0.914	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305

Table: RT11: RT-E-Mount Mini II - OSB Only - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
			S	0.610	0.610	0.610	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.610	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.610	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.305	0.305	0.305	-	-	-	-
			C	0.610	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
2.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
3.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT11: RT-E-Mount Mini II - OSB Only - 60 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.50	OPEN	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	-	-	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
Suggested values			S	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-	-
			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT12: RT-E-Mount Mini II - OSB Only - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	1.219	0.610	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	0.610	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.610	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	1.219	0.610	0.305	0.305	0.305	-	-	-	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	2.134	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
1.00	OPEN	0 TO 6	R	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.610	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	1.219	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
1.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.610	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.914	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305

Table: RT12: RT-E-Mount Mini II - OSB Only - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.610	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-
			S	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
			C	0.610	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
2.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.305	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
3.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.305	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT12: RT-E-Mount Mini II - OSB Only - 72 Cells PV Panels - Portrait Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.305	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.00	OPEN	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	-	-	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
Suggested values			S	0.305	0.305	0.305	-	-	-	-	-	-	-
Is = 1.0			C	0.305	0.305	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
			S	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
			C	0.305	0.305	0.305	-	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
4.50	OPEN	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	-	-	-	-	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	-	-	-	-	-	-	-	-	-	-
Suggested values			S	-	-	-	-	-	-	-	-	-	-
Is = 1.0			C	-	-	-	-	-	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
Cw = 1.0			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Ca = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	-	-	-	-	-	-	-	-	-	-
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		7 TO 27	R	-	-	-	-	-	-	-	-	-	-
			S	-	-	-	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-	-	-	-
		28 TO 45	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305

Table: RT13: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			C	2.438	2.438	2.438	2.134	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			C	2.438	2.438	2.438	2.134	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
1.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			C	2.438	2.438	2.438	2.134	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438

Table: RT13: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			C	2.438	2.438	2.438	2.134	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
2.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			C	2.438	2.438	2.438	2.134	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
3.00	OPEN	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829
			S	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	2.134	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			C	2.134	2.134	2.134	2.134	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524

Table: RT13: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.829	1.829	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			C	1.829	1.829	1.829	1.829	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			S	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219
			C	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
4.00	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219
Suggested values			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
			C	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
4.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
Suggested values			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914

Table: RT14: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			C	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			C	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
1.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			C	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438

Table: RT14: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			C	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
2.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
			C	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
3.00	OPEN	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829
			S	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	2.134	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829
Cw = 1.0			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829	1.524
Ca = 1.0			C	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829
			C	2.134	2.134	2.134	2.134	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	2.134
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			C	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134

Table: RT14: RT-E-Mount Mini II - Rafter centered with 15/32 plywood and (2)-90 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.829	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829	1.524	1.219
Suggested values			S	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			C	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			S	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.524	1.219
			C	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
4.00	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.524	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219
Suggested values			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
			C	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
4.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.524	1.219	1.219	0.914	0.610	0.610	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
Suggested values			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
Is = 1.0			C	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.914
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219

Table: RT15: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Suggested values			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
1.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Suggested values			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
1.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Suggested values			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438

Table: RT15: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Suggested values			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
2.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Suggested values			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134
Cw = 1.0			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Ca = 1.0			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.134	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			C	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
3.00	OPEN	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	2.134	2.134	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Suggested values			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			C	2.134	2.134	2.134	2.134	2.134	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.438
			S	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			C	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829

Table: RT15: RT-E-Mount Mini II - Rafter centered with 7/16 OSB and (6)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.524
Suggested values			S	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	2.134	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			C	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134	2.134
			S	2.134	2.134	2.134	2.134	2.134	2.134	2.134	1.829	1.829	1.524
			C	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
4.00	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Suggested values			S	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
Is = 1.0			C	1.829	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	1.219
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
4.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610	0.610
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Suggested values			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
Is = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	1.219
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219

Table: RT16: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			S	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.438	2.438	2.438	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	2.438	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
			C	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	1.219
			S	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.610	0.610
			C	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
1.00	OPEN	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
			S	1.829	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	2.134	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	2.134	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	2.134	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	2.438	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914
Ca = 1.0			C	2.438	2.438	2.438	2.134	1.829	1.524	1.219	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
			C	1.829	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	2.134	2.134	2.134	2.134	2.134	1.829	1.524	1.219	1.219	1.219
			S	2.134	2.134	2.134	1.829	1.524	1.219	0.914	0.914	0.610	0.610
			C	2.134	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	2.438	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.829	1.524
			S	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
			C	2.438	2.438	2.438	2.438	2.438	2.134	1.829	1.524	1.524	1.219
1.50	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914	0.610
Suggested values			S	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	1.524	1.524	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914
Cw = 1.0			S	1.829	1.829	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914
Ca = 1.0			C	1.829	1.829	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
			C	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	1.219
			S	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610
			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524
			S	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219
			C	1.829	1.829	1.829	1.829	1.829	1.829	1.829	1.524	1.524	1.219

Table: RT16: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610
Suggested values			S	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914
Cw = 1.0			S	1.524	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914
Ca = 1.0			C	1.524	1.524	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524
			S	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
			C	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.524	1.219
2.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Suggested values			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914
Cw = 1.0			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914
Ca = 1.0			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			S	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
			C	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219	1.219
3.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914

Table: RT16: RT-E-Mount Mini II - Rafter off-centered with 7/16 OSB and (5)-60 mm screws - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Suggested values			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Is = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT17: RT-E-Mount Mini II - Plywood Only - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	2.438	2.438	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.610
			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
1.00	OPEN	0 TO 6	R	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	2.438	2.438	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	2.438	2.438	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.610
			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	2.438	2.438	2.438	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			S	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.914	0.610	0.610
1.50	OPEN	0 TO 6	R	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.438	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	1.829	1.829	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	2.134	1.524	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.438	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	2.438	2.438	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.610
			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610
			S	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.829	1.829	1.829	1.524	1.219	0.914	0.914	0.914	0.610	0.610

Table: RT17: RT-E-Mount Mini II - Plywood Only - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	1.829	1.829	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			S	1.829	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.524	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.829	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	2.134	2.134	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.610
			S	2.134	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.829	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
2.50	OPEN	0 TO 6	R	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			S	1.524	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.524	1.524	1.524	1.524	1.524	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.524	1.524	1.524	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	1.524	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.610
			S	1.524	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.524	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
			S	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
			C	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.914	0.610	0.610
3.00	OPEN	0 TO 6	R	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			S	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			C	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			S	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610

Table: RT17: RT-E-Mount Mini II - Plywood Only - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	1.219	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	1.219	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.610
			S	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305	0.305
Suggested values			S	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305	0.305
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

Table: RT18: RT-E-Mount Mini II - OSB Only - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
0.50	OPEN	0 TO 6	R	2.438	2.134	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			S	2.438	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.438	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	2.438	2.438	2.438	1.829	1.219	1.219	0.914	0.914	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	2.438	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			S	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			S	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			C	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
1.00	OPEN	0 TO 6	R	1.829	1.829	1.524	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			S	1.829	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	2.438	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.829	1.829	1.829	1.829	1.219	1.219	0.914	0.914	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.829	1.829	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	2.134	2.134	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			S	2.134	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	2.438	2.438	2.134	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			S	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			C	2.438	2.438	1.829	1.219	0.914	0.914	0.610	0.610	0.610	0.610
1.50	OPEN	0 TO 6	R	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	1.524	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	1.524	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	1.524	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	1.219	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	1.524	1.524	1.524	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			S	1.524	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	1.524	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	1.524	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610
			S	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			C	1.524	1.524	1.524	1.219	0.914	0.914	0.610	0.610	0.610	0.610

Table: RT18: RT-E-Mount Mini II - OSB Only - 60 or 72 cells - Landscape Orientation

MAXIMUM SPACING OF RT-E MOUNT MINI (m)

SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
2.00	OPEN	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.914	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	1.219	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	1.219	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			C	0.914	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	1.219	1.219	1.219	1.219	0.914	0.610	0.610	0.610	0.305	0.305
			S	1.219	1.219	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	1.219	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	1.219	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610
			S	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
			C	1.219	1.219	1.219	1.219	0.914	0.914	0.610	0.610	0.610	0.610
2.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.914	0.914	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.914	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
			S	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.914	0.914	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
3.00	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.914	0.914	0.914	0.914	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	0.914	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610
			S	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610
			C	0.914	0.914	0.914	0.914	0.914	0.914	0.610	0.610	0.610	0.610

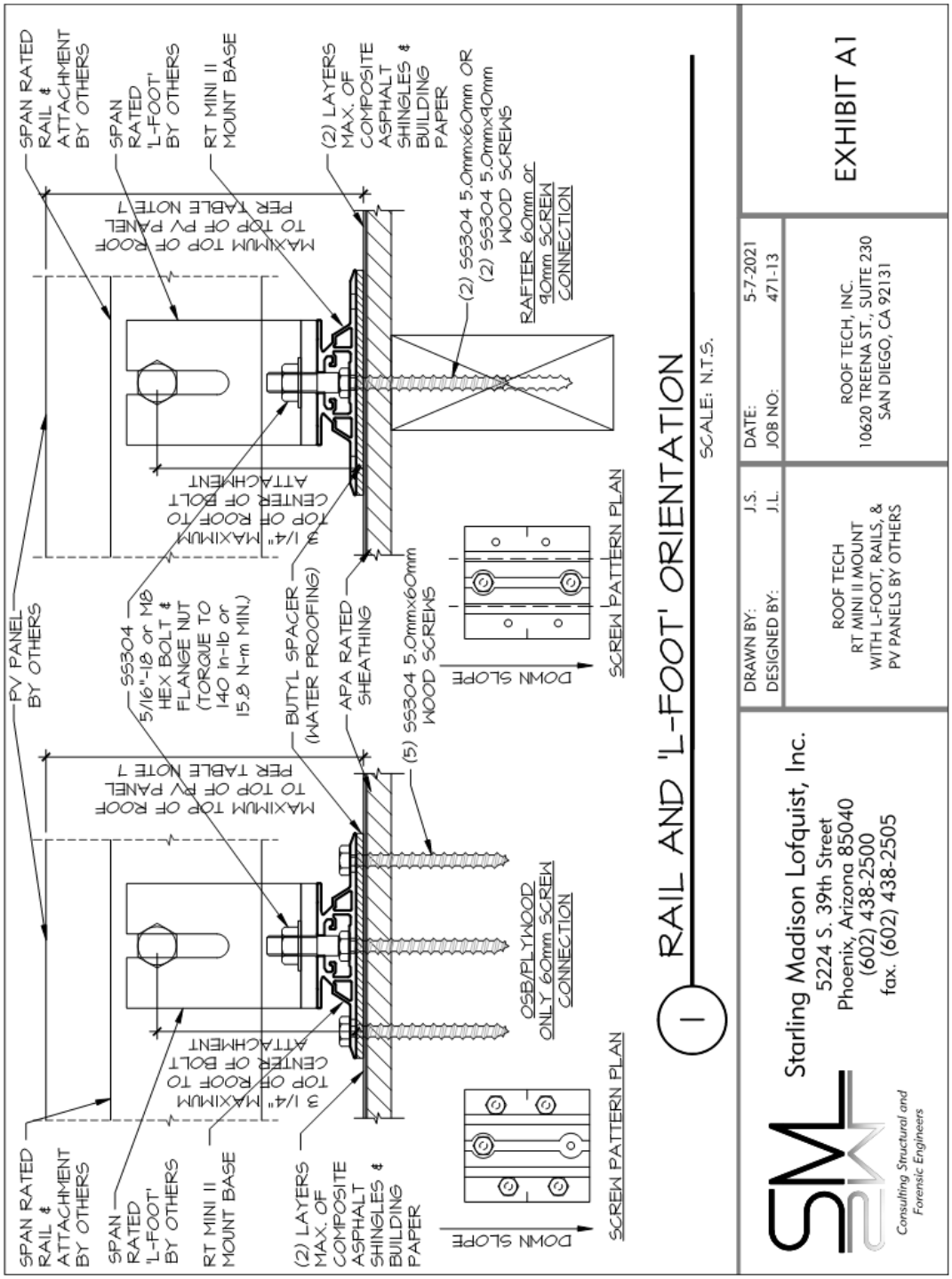
Table: RT18: RT-E-Mount Mini II - OSB Only - 60 or 72 cells - Landscape Orientation

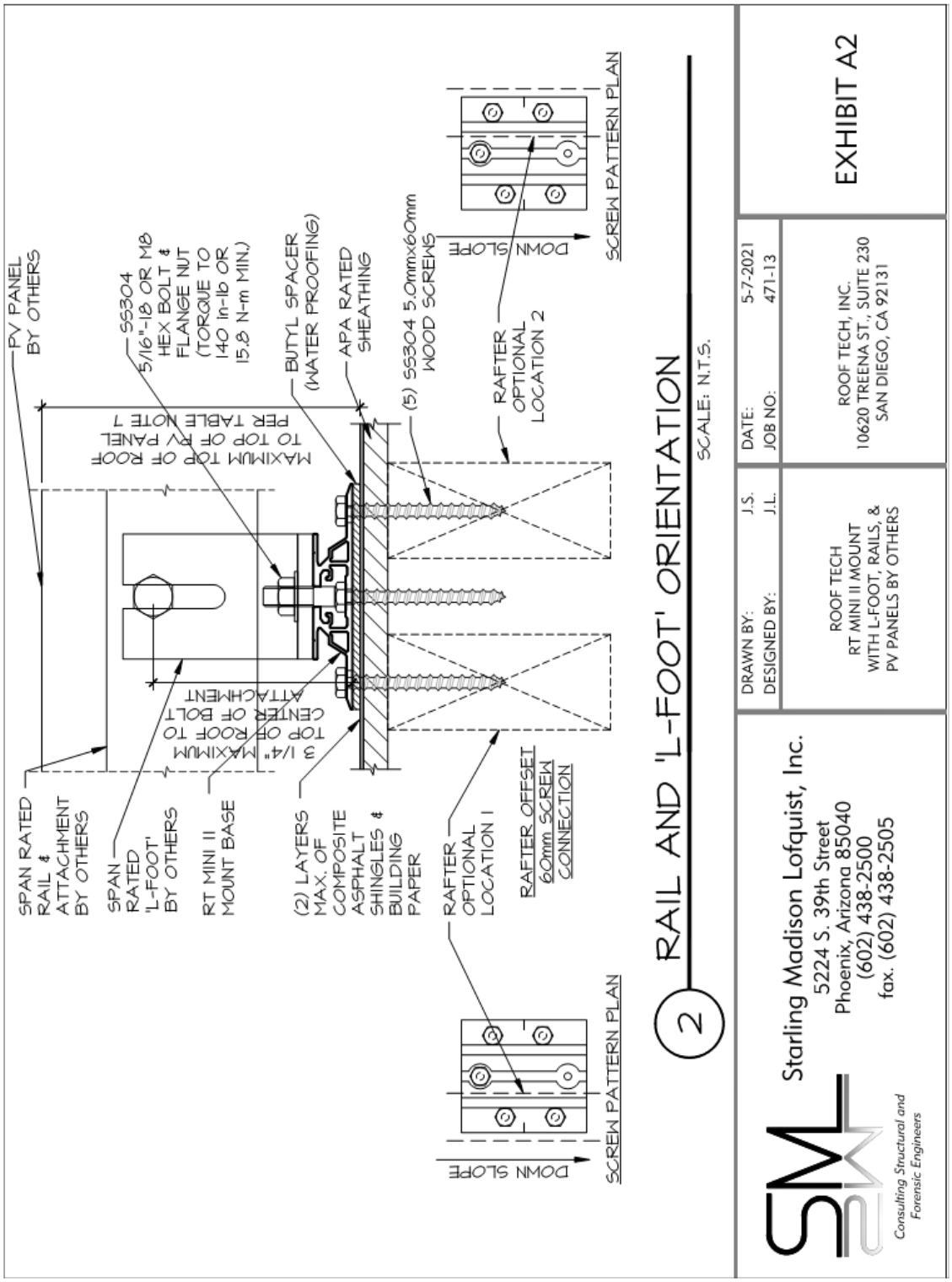
MAXIMUM SPACING OF RT-E MOUNT MINI (m)

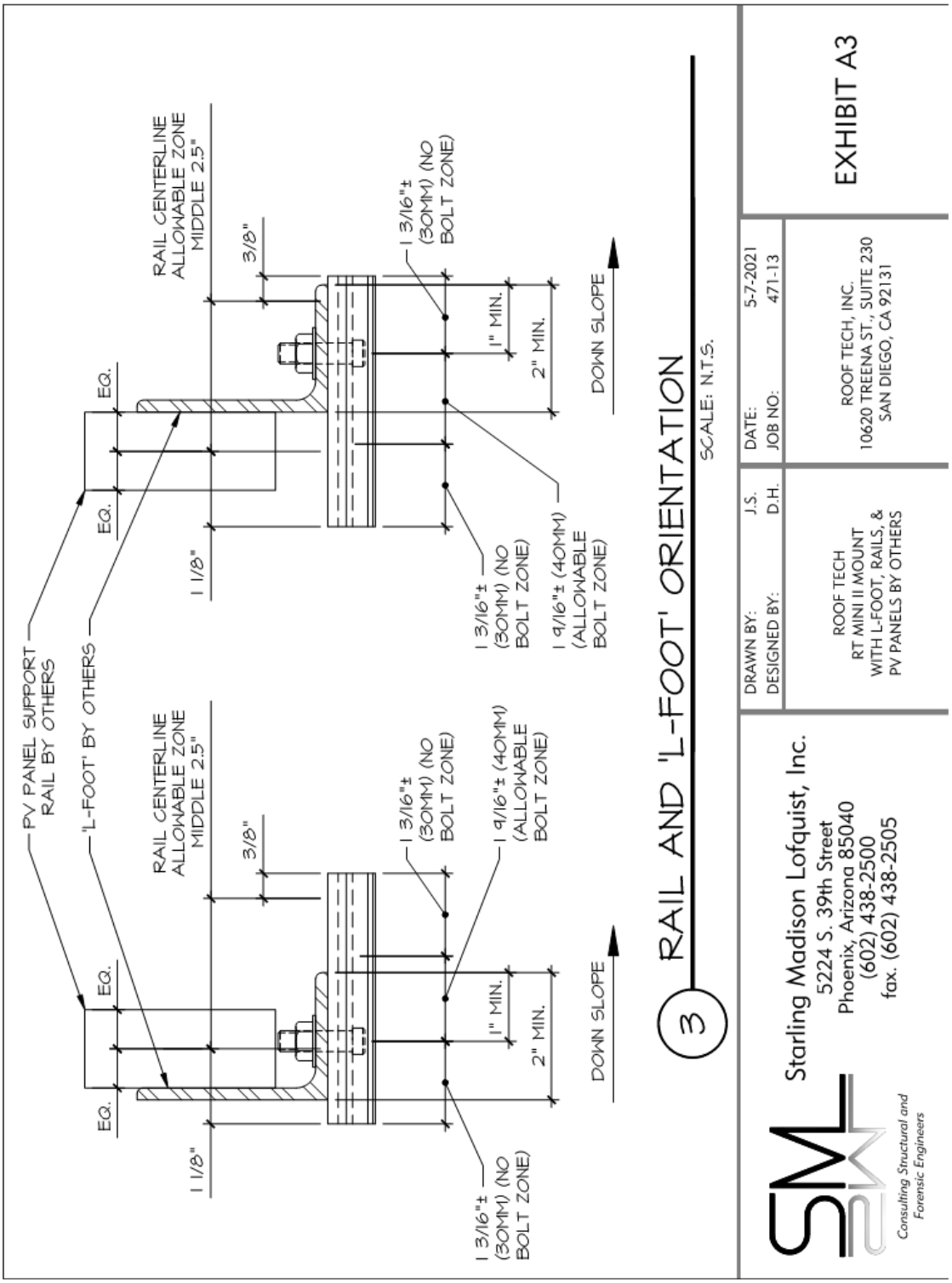
SPACING OF MOUNTS MUST NOT EXCEED THE MAXIMUM RECOMMENDED SPACING FOR THE RAILS USED AND THE RAFTER CAPACITY

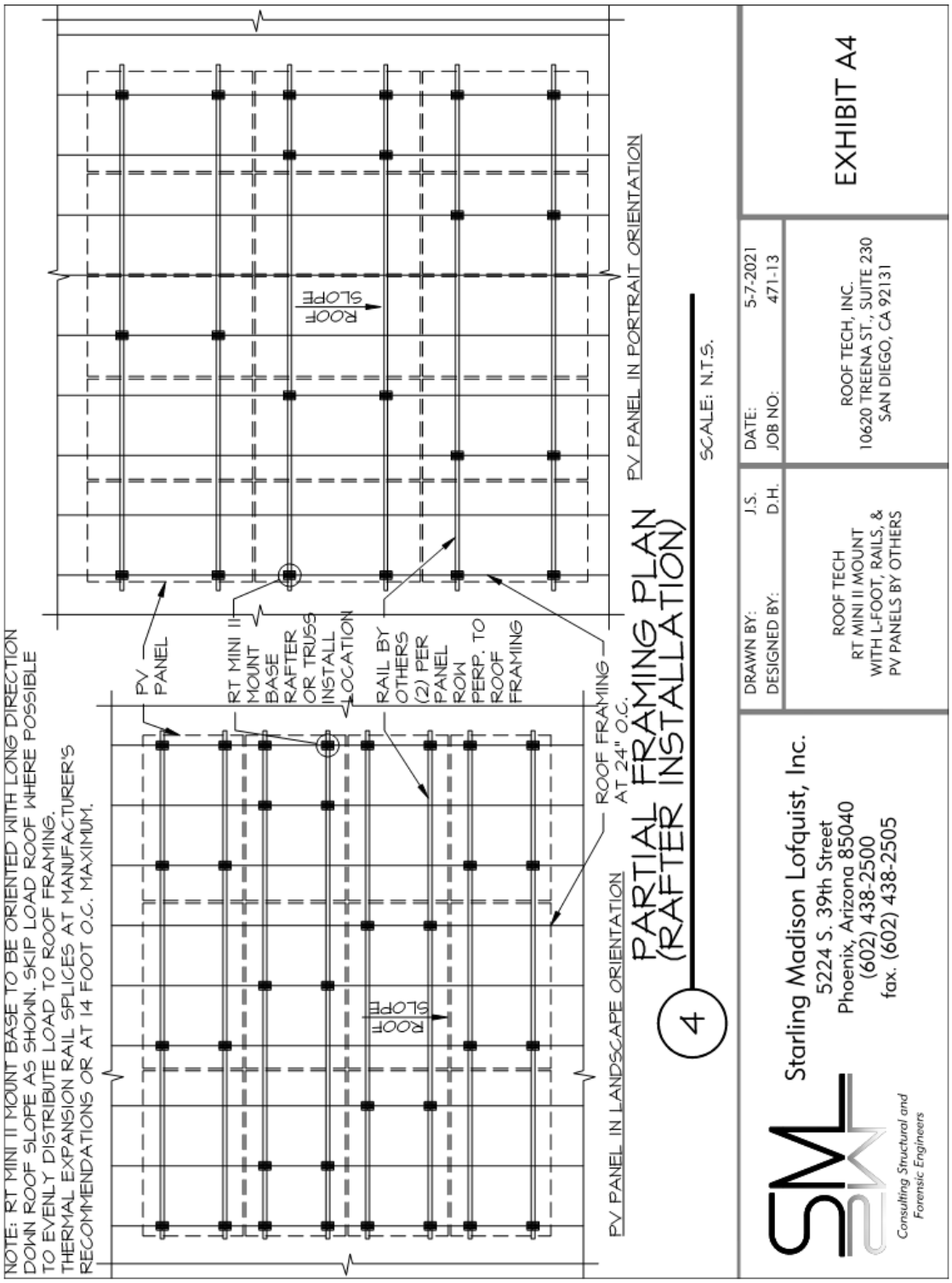
SNOW & RAIN LOAD (kPa)	TERRAIN	ROOF ANGLE α (deg.)	ROOF ZONE	BASIC WIND PRESSURE q (1 IN 50) kPa									
				0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10
3.50	OPEN	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.610	0.610	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.00	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.610	0.610	0.610	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.610	0.610	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
			S	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305
			C	0.610	0.610	0.610	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
4.50	OPEN	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
S = Is(Ss*Cb*Cw*Cs*Ca + Sr)			C	0.305	0.305	0.305	0.305	-	-	-	-	-	-
Ss and Sr from Code Tables		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Suggested values			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
Is = 1.0			C	0.305	0.305	0.305	0.305	0.305	-	-	-	-	-
Cb = 0.8		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305
Cw = 1.0			S	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Ca = 1.0			C	0.610	0.610	0.610	0.610	0.610	0.610	0.305	0.305	0.305	0.305
Cs = 1.0 for α <= 30 deg	ROUGH	0 TO 6	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
Cs =(70 - α)/40 for 30 deg < α < 70 deg			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-	-
		7 TO 27	R	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			S	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305
			C	0.305	0.305	0.305	0.305	0.305	0.305	0.305	0.305	-	-
		28 TO 45	R	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			S	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610
			C	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610	0.610

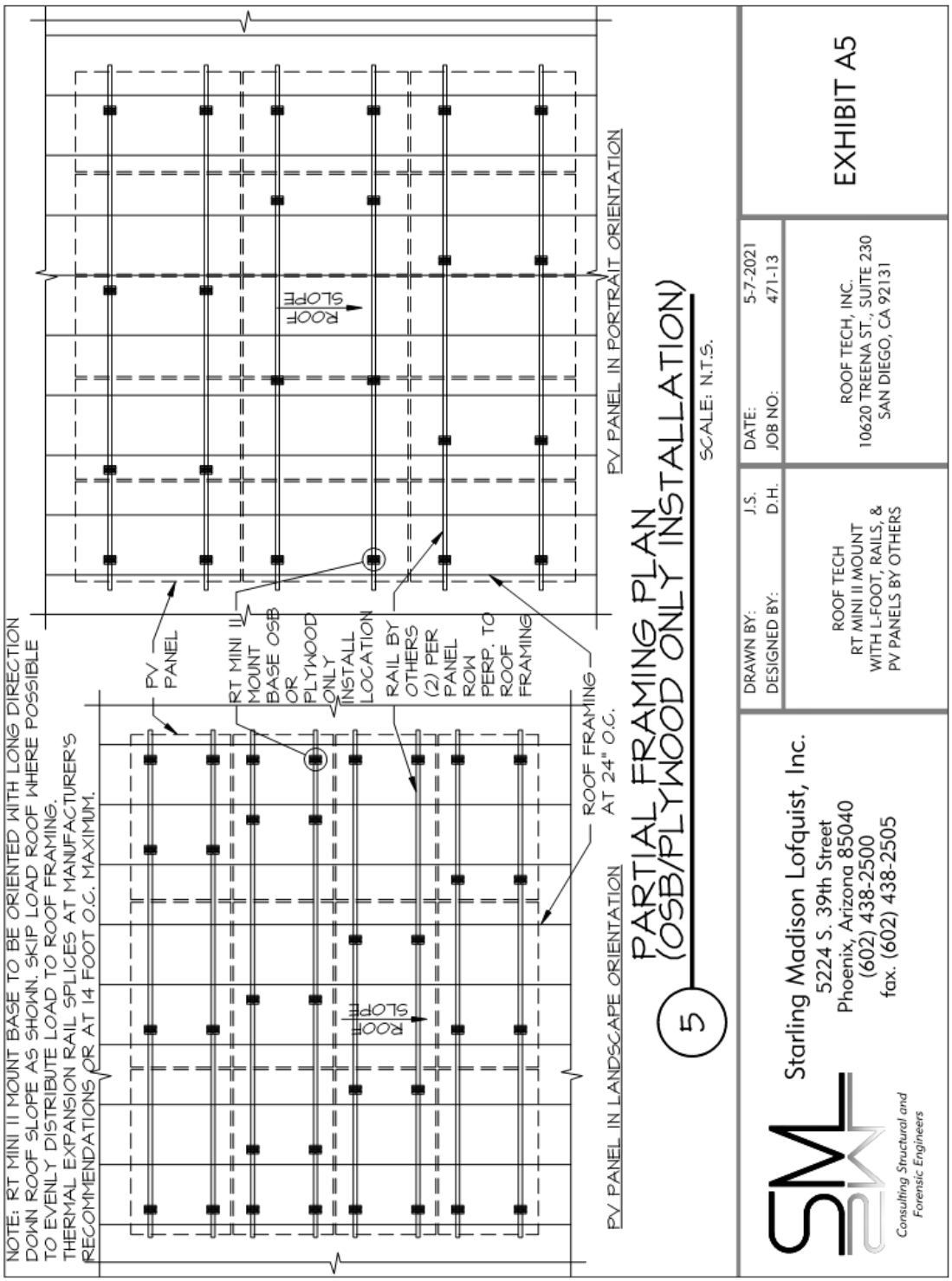
EXHIBIT – A


SPAN RATED RAIL & ATTACHMENT BY OTHERS
SPAN RATED 'L-FOOT' BY OTHERS
RT MINI II MOUNT BASE
(2) LAYERS MAX. OF COMPOSITE ASPHALT SHINGLES & BUILDING PAPER
MAXIMUM TOP OF ROOF TO TOP OF PV PANEL PER TABLE NOTE 1
3 1/4" MAXIMUM TOP OF ROOF TO CENTER OF BOLT ATTACHMENT
(2) SS304 5.0mmx60mm OR (2) SS304 5.0mmx90mm WOOD SCREWS
RAFTER 60mm or 90mm SCREW CONNECTION
PV PANEL BY OTHERS
SS304 5/16"-18 or M8 HEX BOLT & FLANGE NUT (TORQUE TO 140 in-lb or 15.8 N-m MIN.)
BUTYL SPACER (WATER PROOFING)
APA RATED SHEATHING
(5) SS304 5.0mmx60mm WOOD SCREWS
OSB/PLYWOOD ONLY 60mm SCREW CONNECTION
DOWN SLOPE
SCREW PATTERN PLAN
1
RAIL AND 'L-FOOT' ORIENTATION
SCALE: N.T.S.
EXHIBIT A1
DRAWN BY: J.S.
DESIGNED BY: J.L.
DATE: 5-7-2021
JOB NO: 471-13
ROOF TECH, INC.
10620 TREENA ST., SUITE 230
SAN DIEGO, CA 92131
ROOF TECH
RT MINI II MOUNT
WITH L-FOOT, RAILS, &
PV PANELS BY OTHERS
Starling Madison Lofquist, Inc.
5224 S. 39th Street
Phoenix, Arizona 85040
(602) 438-2500
fax. (602) 438-2505
Consulting Structural and Forensic Engineers


PV PANEL BY OTHERS
SS304 5/16"-18 OR M8 HEX BOLT & FLANGE NUT (TORQUE TO 140 in-lb OR 15.8 N-m MIN.)
BUTYL SPACER (WATER PROOFING)
APA RATED SHEATHING
(5) SS304 5.0mm×60mm WOOD SCREWS
RAFTER OPTIONAL LOCATION 2
DOWN SLOPE
SCREW PATTERN PLAN
MAXIMUM TOP OF ROOF TO TOP OF PV PANEL PER TABLE NOTE 7
3 1/4" MAXIMUM TOP OF ROOF TO CENTER OF BOLT ATTACHMENT
SPAN RATED RAIL & ATTACHMENT BY OTHERS
SPAN RATED 'L-FOOT' BY OTHERS
RT MINI II MOUNT BASE
(2) LAYERS MAX. OF COMPOSITE ASPHALT SHINGLES & BUILDING PAPER
RAFTER OPTIONAL LOCATION 1
RAFTER OFFSET 60mm SCREW CONNECTION
DOWN SLOPE
SCREW PATTERN PLAN
2
RAIL AND 'L-FOOT' ORIENTATION
SCALE: N.T.S.
EXHIBIT A2
DRAWN BY: J.S.
DESIGNED BY: J.L.
DATE: 5-7-2021
JOB NO: 471-13
ROOF TECH, INC.
10620 TREENA ST., SUITE 230
SAN DIEGO, CA 92131
ROOF TECH
RT MINI II MOUNT
WITH L-FOOT, RAILS, &
PV PANELS BY OTHERS
Starling Madison Lofquist, Inc.
5224 S. 39th Street
Phoenix, Arizona 85040
(602) 438-2500
fax. (602) 438-2505
Consulting Structural and Forensic Engineers


PV PANEL SUPPORT RAIL BY OTHERS
'L-FOOT' BY OTHERS
RAIL CENTERLINE ALLOWABLE ZONE MIDDLE 2.5"
3/8"
1 1/8"
EQ.
EQ.
EQ.
1 3/16"± (30MM) (NO BOLT ZONE)
1 9/16"± (40MM) (ALLOWABLE BOLT ZONE)
1" MIN.
2" MIN.
DOWN SLOPE
3
RAIL AND 'L-FOOT' ORIENTATION
SCALE: N.T.S.
EXHIBIT A3
DRAWN BY: J.S.
DESIGNED BY: D.H.
ROOF TECH RT MINI II MOUNT WITH L-FOOT, RAILS, & PV PANELS BY OTHERS
DATE: 5-7-2021
JOB NO: 471-13
ROOF TECH, INC.
10620 TREENA ST., SUITE 230
SAN DIEGO, CA 92131
Starling Madison Lofquist, Inc.
5224 S. 39th Street
Phoenix, Arizona 85040
(602) 438-2500
fax. (602) 438-2505
Consulting Structural and Forensic Engineers


NOTE: RT MINI II MOUNT BASE TO BE ORIENTED WITH LONG DIRECTION DOWN ROOF SLOPE AS SHOWN. SKIP LOAD ROOF WHERE POSSIBLE TO EVENLY DISTRIBUTE LOAD TO ROOF FRAMING. THERMAL EXPANSION RAIL SPLICES AT MANUFACTURER'S RECOMMENDATIONS OR AT 14 FOOT O.C. MAXIMUM.
PV PANEL
RT MINI II MOUNT BASE RAFTER OR TRUSS INSTALL LOCATION
RAIL BY OTHERS (2) PER PANEL ROW PERP. TO ROOF FRAMING
ROOF FRAMING AT 24" O.C.
ROOF SLOPE
PV PANEL IN LANDSCAPE ORIENTATION
PV PANEL IN PORTRAIT ORIENTATION
4
PARTIAL FRAMING PLAN (RAFTER INSTALLATION)
SCALE: N.T.S.
EXHIBIT A4
DRAWN BY: J.S.
DESIGNED BY: D.H.
ROOF TECH RT MINI II MOUNT WITH L-FOOT, RAILS, & PV PANELS BY OTHERS
DATE: 5-7-2021
JOB NO: 471-13
ROOF TECH, INC.
10620 TREENA ST., SUITE 230
SAN DIEGO, CA 92131
Starling Madison Lofquist, Inc.
5224 S. 39th Street
Phoenix, Arizona 85040
(602) 438-2500
fax. (602) 438-2505
Consulting Structural and Forensic Engineers


NOTE: RT MINI II MOUNT BASE TO BE ORIENTED WITH LONG DIRECTION DOWN ROOF SLOPE AS SHOWN. SKIP LOAD ROOF WHERE POSSIBLE TO EVENLY DISTRIBUTE LOAD TO ROOF FRAMING. THERMAL EXPANSION RAIL SPLICES AT MANUFACTURER'S RECOMMENDATIONS OR AT 14 FOOT O.C. MAXIMUM.
PV PANEL
RT MINI II MOUNT BASE OSB OR PLYWOOD ONLY INSTALL LOCATION
RAIL BY OTHERS (2) PER PANEL ROW PERP. TO ROOF FRAMING
ROOF FRAMING AT 24" O.C.
ROOF SLOPE
PV PANEL IN LANDSCAPE ORIENTATION
PV PANEL IN PORTRAIT ORIENTATION
5
PARTIAL FRAMING PLAN
(OSB/PLYWOOD ONLY INSTALLATION)
SCALE: N.T.S.
EXHIBIT A5
DRAWN BY: J.S.
DESIGNED BY: D.H.
DATE: 5-7-2021
JOB NO: 471-13
ROOF TECH, INC.
10620 TREENA ST., SUITE 230
SAN DIEGO, CA 92131
ROOF TECH
RT MINI II MOUNT
WITH L-FOOT, RAILS, &
PV PANELS BY OTHERS
Starling Madison Lofquist, Inc.
5224 S. 39th Street
Phoenix, Arizona 85040
(602) 438-2500
fax. (602) 438-2505
Consulting Structural and Forensic Engineers