STRUCTURAL DESIGN CERTIFICATION

PV-ezRACK®

SOLAR ROOF

Klip-lok Tilt
Interface spacing tables

Standard: AS/NZS 1170.2:2011 | Amendment 4-2016 within Australia

Terrain Category: 2, 2.5 & 3

Client: Clenergy Australia

REF: 00514

Date: MAR 2022

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29 March 2022

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CERTIFICATION LETTER

Clenergy PV-ezRack SolarRoof Klip-lok tilt interface certification – TC2, 2.5, 3 – Wind Region A, B, C. Internal REF: **00514**. Project REF: **CL-406-S-REV4.**

MW Engineering Melbourne, being Structural Engineers within the meaning of Australian regulations, have calculated the maximum spacings for the PV ez-Rack rail system for the following conditions:

- **Wind Loads to AS 1170.2-2011 AMDT 4-2016**
  - **Wind Terrain Category 2, 2.5 and 3**
  - **Wind average recurrence of 200 years**
  - **Wind Region A, B, and C**
- **Solar panel length up to 2.4 m**

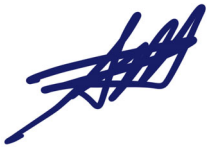
Attached are the tables showing the spacings according to Wind Region, roof pitch, and building height.

The values shown on these tables will be valid unless an amendment is issued on any of the following codes:

- **AS/NZS 1170.0- 2002 AMDT 4-2016** **General Principles**
- **AS/NZS 1170.1- 2002 AMDT 4-2016** **Imposed Loadings**
- **AS/NZS 1170.2- 2011 AMDT 4-2016** **Wind Loadings**
- **AS/NZS 1664.1- 1997 AMDT 1:1999** **Aluminium Code**

Should you have any queries, do not hesitate to contact us.

Best Regards,



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REF: 00514

Client: Clenergy Australia

Internal reference: CL-406-S – REV 4

Project: PV-ezRack SolarRoof Klip-lok tilt interface spacing tables

Australian Standards

AS/NZS 1170.0:2002 (R2016)	**General Principles**
AS/NZS 1170.1:2002 (R2016)	**Imposed loadings**
AS/NZS 1170.2:2011 (R2016)	**Wind Loadings**
AS/NZS 1664.1:1997-Amdt 1:1999	**Aluminium**

Wind Terrain Category: 2, 2.5 & 3

Wind average recurrence: 200 years

Designed: SM

Date: MAR 2022

Disclaimer: From the date of publication onwards, any amendment made to any of the above-mentioned Standards will make this report outdated and a new one will have to be released, unless the amendment has no implications on this certificate.

Contents

PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 CLASSIC

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.55	1.03	0.78	0.52	1.55	1.03	0.78	0.52	1.48	0.98	0.74	0.49	1.09	0.73	0.55	0.36	0.99	0.66	0.50	0.33

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.50	1.00	0.75	0.50	1.43	0.95	0.71	0.48	1.30	0.87	0.65	0.43	0.97	0.65	0.49	0.32	0.90	0.60	0.45	0.30

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44
WRC	1.44	0.96	0.72	0.48	1.24	0.83	0.62	0.41	1.14	0.76	0.57	0.38	0.87	0.58	0.44	0.29	0.82	0.55	0.41	0.27

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 CLASSIC (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.60	1.07	0.80	0.53	1.54	1.03	0.77	0.51	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.26	0.84	0.63	0.42	1.15	0.76	0.57	0.38
WRC	1.20	0.80	0.60	0.40	1.20	0.80	0.60	0.40	1.07	0.71	0.53	0.36	0.78	0.52	0.39	0.26	0.69	0.46	0.35	0.23

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.57	1.05	0.78	0.52	1.51	1.01	0.76	0.50	1.47	0.98	0.74	0.49	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.32	0.88	0.66	0.44	1.20	0.80	0.60	0.40	1.12	0.75	0.56	0.37	1.04	0.69	0.52	0.35
WRC	1.11	0.74	0.55	0.37	1.02	0.68	0.51	0.34	0.92	0.62	0.46	0.31	0.68	0.45	0.34	0.23	0.61	0.41	0.31	0.20

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.58	1.05	0.79	0.53	1.48	0.99	0.74	0.49	1.43	0.95	0.72	0.48	1.41	0.94	0.70	0.47	1.29	0.86	0.65	0.43
WRB	1.33	0.89	0.67	0.44	1.15	0.76	0.57	0.38	1.05	0.70	0.53	0.35	1.01	0.67	0.50	0.34	0.95	0.63	0.47	0.32
WRC	1.03	0.68	0.51	0.34	0.87	0.58	0.43	0.29	0.78	0.52	0.39	0.26	0.59	0.39	0.29	0.20	0.54	0.36	0.27	0.18

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 CLASSIC (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.02	0.77	0.51	1.54	1.02	0.77	0.51	1.46	0.98	0.73	0.49	1.34	0.90	0.67	0.45	1.18	0.78	0.59	0.39
WRB	1.17	0.78	0.58	0.39	1.17	0.78	0.58	0.39	1.05	0.70	0.52	0.35	0.95	0.64	0.48	0.32	0.86	0.57	0.43	0.29
WRC	0.90	0.60	0.45	0.30	0.90	0.60	0.45	0.30	0.79	0.53	0.40	0.26	0.57	0.38	0.28	0.19	0.49	0.33	0.25	0.16

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.49	0.99	0.74	0.50	1.41	0.94	0.70	0.47	1.28	0.85	0.64	0.43	1.20	0.80	0.60	0.40	1.07	0.71	0.53	0.36
WRB	1.08	0.72	0.54	0.36	1.00	0.67	0.50	0.33	0.91	0.61	0.45	0.30	0.85	0.56	0.42	0.28	0.78	0.52	0.39	0.26
WRC	0.83	0.55	0.41	0.28	0.75	0.50	0.38	0.25	0.66	0.44	0.33	0.22	0.49	0.32	0.24	0.16	0.44	0.29	0.22	0.15

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.42	0.94	0.71	0.47	1.22	0.82	0.61	0.41	1.13	0.75	0.56	0.38	1.08	0.72	0.54	0.36	0.98	0.65	0.49	0.33
WRB	1.01	0.67	0.50	0.34	0.86	0.57	0.43	0.29	0.79	0.53	0.40	0.26	0.75	0.50	0.38	0.25	0.70	0.47	0.35	0.23
WRC	0.76	0.51	0.38	0.25	0.62	0.41	0.31	0.21	0.56	0.37	0.28	0.19	0.42	0.28	0.21	0.14	0.39	0.26	0.19	0.13

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 CLASSIC (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.23	0.82	0.62	0.41	1.23	0.82	0.62	0.41	1.10	0.74	0.55	0.37	1.01	0.67	0.50	0.34	0.87	0.58	0.43	0.29
WRB	0.87	0.58	0.43	0.29	0.87	0.58	0.43	0.29	0.75	0.50	0.37	0.25	0.66	0.44	0.33	0.22	0.58	0.38	0.29	0.19
WRC	0.60	0.40	0.30	0.20	0.60	0.40	0.30	0.20	0.52	0.34	0.26	0.17	0.37	0.24	0.18	0.12	0.33	0.22	0.16	0.11

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.14	0.76	0.57	0.38	1.06	0.70	0.53	0.35	0.95	0.63	0.48	0.32	0.89	0.59	0.44	0.30	0.77	0.51	0.38	0.26
WRB	0.78	0.52	0.39	0.26	0.70	0.47	0.35	0.23	0.62	0.41	0.31	0.21	0.57	0.38	0.28	0.19	0.51	0.34	0.25	0.17
WRC	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.32	0.21	0.16	0.11	0.29	0.19	0.14	0.10

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.06	0.71	0.53	0.35	0.90	0.60	0.45	0.30	0.82	0.54	0.41	0.27	0.77	0.51	0.38	0.26	0.68	0.46	0.34	0.23
WRB	0.71	0.47	0.35	0.24	0.58	0.38	0.29	0.19	0.52	0.35	0.26	0.17	0.49	0.33	0.25	0.16	0.45	0.30	0.23	0.15
WRC	0.49	0.33	0.25	0.16	0.41	0.27	0.20	0.14	0.37	0.24	0.18	0.12	0.27	0.18	0.14	0.09	0.25	0.17	0.13	0.08

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 CLASSIC (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.95	0.63	0.48	0.32	0.95	0.63	0.48	0.32	0.82	0.54	0.41	0.27	0.72	0.48	0.36	0.24	0.61	0.41	0.30	0.20
WRB	0.60	0.40	0.30	0.20	0.60	0.40	0.30	0.20	0.52	0.35	0.26	0.17	0.46	0.31	0.23	0.15	0.41	0.27	0.20	0.14
WRC	0.43	0.28	0.21	0.14	0.43	0.28	0.21	0.14	0.37	0.24	0.18	0.12	0.26	0.17	0.13	0.09	0.23	0.15	0.11	0.08

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.86	0.57	0.43	0.29	0.77	0.51	0.38	0.26	0.67	0.45	0.34	0.22	0.62	0.41	0.31	0.21	0.54	0.36	0.27	0.18
WRB	0.55	0.36	0.27	0.18	0.49	0.33	0.25	0.16	0.43	0.29	0.22	0.14	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12
WRC	0.38	0.26	0.19	0.13	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10	0.23	0.15	0.11	0.08	0.21	0.14	0.10	0.07

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.78	0.52	0.39	0.26	0.63	0.42	0.32	0.21	0.57	0.38	0.28	0.19	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16
WRB	0.49	0.33	0.25	0.16	0.41	0.27	0.20	0.14	0.37	0.25	0.18	0.12	0.35	0.23	0.17	0.12	0.32	0.22	0.16	0.11
WRC	0.35	0.23	0.18	0.12	0.28	0.19	0.14	0.09	0.26	0.17	0.13	0.09	0.19	0.13	0.10	0.06	0.18	0.12	0.09	0.06

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 CLASSIC (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.69	0.46	0.34	0.23	0.69	0.46	0.34	0.23	0.59	0.39	0.30	0.20	0.53	0.35	0.26	0.18	0.45	0.30	0.22	0.15
WRB	0.44	0.29	0.22	0.15	0.44	0.29	0.22	0.15	0.38	0.25	0.19	0.13	0.34	0.23	0.17	0.11	0.30	0.20	0.15	0.10
WRC	0.31	0.21	0.15	0.10	0.31	0.21	0.15	0.10	0.27	0.18	0.13	0.09	0.19	0.13	0.10	0.06	0.17	0.11	0.08	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.62	0.41	0.31	0.21	0.56	0.37	0.28	0.19	0.49	0.33	0.24	0.16	0.45	0.30	0.22	0.15	0.39	0.26	0.20	0.13
WRB	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12	0.32	0.21	0.16	0.11	0.29	0.19	0.15	0.10	0.26	0.17	0.13	0.09
WRC	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08	0.23	0.15	0.11	0.08	0.17	0.11	0.08	0.06	0.15	0.10	0.08	0.05

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.56	0.37	0.28	0.19	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14	0.39	0.26	0.20	0.13	0.35	0.23	0.17	0.12
WRB	0.36	0.24	0.18	0.12	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.25	0.17	0.13	0.08	0.24	0.16	0.12	0.08
WRC	0.26	0.17	0.13	0.09	0.21	0.14	0.10	0.07	0.19	0.13	0.10	0.06	0.15	0.10	0.07	0.05	0.13	0.09	0.07	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 HI-STRENGTH

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	2.20	1.47	1.10	0.73	2.20	1.47	1.10	0.73	2.10	1.40	1.05	0.70	2.03	1.35	1.01	0.68	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.49	0.99	0.74	0.50	1.49	0.99	0.74	0.50	1.42	0.94	0.71	0.47	1.14	0.76	0.57	0.38	1.09	0.73	0.55	0.36

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	2.14	1.42	1.07	0.71	2.06	1.38	1.03	0.69	1.98	1.32	0.99	0.66	1.93	1.28	0.96	0.64	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46	1.34	0.89	0.67	0.45	1.09	0.72	0.54	0.36	1.05	0.70	0.53	0.35

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	2.07	1.38	1.04	0.69	1.95	1.30	0.97	0.65	1.88	1.25	0.94	0.63	1.85	1.23	0.92	0.62	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.35	0.90	0.67	0.45
WRC	1.40	0.93	0.70	0.47	1.31	0.87	0.66	0.44	1.27	0.85	0.64	0.42	1.04	0.69	0.52	0.35	1.01	0.68	0.51	0.34

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 HI-STRENGTH (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.91	1.27	0.95	0.64	1.91	1.27	0.95	0.64	1.82	1.21	0.91	0.61	1.75	1.17	0.88	0.58	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.31	0.87	0.65	0.44	1.25	0.84	0.63	0.42
WRC	1.29	0.86	0.64	0.43	1.29	0.86	0.64	0.43	1.23	0.82	0.62	0.41	0.98	0.65	0.49	0.33	0.87	0.58	0.44	0.29

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.72	1.15	0.86	0.57	1.67	1.12	0.84	0.56	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44	1.28	0.86	0.64	0.43	1.25	0.83	0.62	0.42	1.21	0.81	0.60	0.40
WRC	1.25	0.83	0.62	0.42	1.21	0.81	0.60	0.40	1.11	0.74	0.56	0.37	0.85	0.57	0.43	0.28	0.77	0.51	0.38	0.26

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.79	1.19	0.90	0.60	1.68	1.12	0.84	0.56	1.63	1.08	0.81	0.54	1.60	1.07	0.80	0.53	1.32	0.88	0.66	0.44
WRB	1.34	0.89	0.67	0.45	1.25	0.84	0.63	0.42	1.22	0.81	0.61	0.41	1.19	0.79	0.60	0.40	1.16	0.77	0.58	0.39
WRC	1.21	0.81	0.60	0.40	1.05	0.70	0.52	0.35	0.94	0.63	0.47	0.31	0.74	0.49	0.37	0.25	0.68	0.45	0.34	0.23

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 HI-STRENGTH (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.75	1.16	0.87	0.58	1.75	1.16	0.87	0.58	1.66	1.11	0.83	0.55	1.61	1.07	0.80	0.54	1.31	0.87	0.65	0.44
WRB	1.30	0.87	0.65	0.43	1.30	0.87	0.65	0.43	1.25	0.83	0.62	0.42	1.20	0.80	0.60	0.40	1.08	0.72	0.54	0.36
WRC	1.08	0.72	0.54	0.36	1.08	0.72	0.54	0.36	0.96	0.64	0.48	0.32	0.71	0.47	0.35	0.24	0.62	0.41	0.31	0.21

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.69	1.13	0.85	0.56	1.64	1.09	0.82	0.55	1.57	1.05	0.79	0.52	1.54	1.02	0.77	0.51	1.25	0.84	0.63	0.42
WRB	1.26	0.84	0.63	0.42	1.22	0.82	0.61	0.41	1.14	0.76	0.57	0.38	1.06	0.71	0.53	0.35	0.98	0.65	0.49	0.33
WRC	1.00	0.67	0.50	0.33	0.90	0.60	0.45	0.30	0.79	0.53	0.40	0.26	0.61	0.40	0.30	0.20	0.55	0.36	0.27	0.18

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.65	1.10	0.82	0.55	1.55	1.03	0.77	0.52	1.49	0.99	0.75	0.50	1.46	0.98	0.73	0.49	1.21	0.81	0.60	0.40
WRB	1.22	0.82	0.61	0.41	1.08	0.72	0.54	0.36	0.99	0.66	0.50	0.33	0.95	0.63	0.47	0.32	0.88	0.58	0.44	0.29
WRC	0.91	0.61	0.46	0.30	0.74	0.50	0.37	0.25	0.67	0.45	0.34	0.22	0.53	0.35	0.26	0.18	0.49	0.32	0.24	0.16

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 HI-STRENGTH (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.56	1.04	0.78	0.52	1.56	1.04	0.78	0.52	1.49	0.99	0.75	0.50	1.44	0.96	0.72	0.48	1.10	0.73	0.55	0.37
WRB	1.09	0.73	0.55	0.36	1.09	0.73	0.55	0.36	0.93	0.62	0.47	0.31	0.83	0.55	0.42	0.28	0.72	0.48	0.36	0.24
WRC	0.72	0.48	0.36	0.24	0.72	0.48	0.36	0.24	0.62	0.42	0.31	0.21	0.46	0.31	0.23	0.15	0.41	0.27	0.20	0.14

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.52	1.01	0.76	0.51	1.46	0.98	0.73	0.49	1.36	0.91	0.68	0.45	1.27	0.85	0.64	0.42	0.97	0.65	0.48	0.32
WRB	0.98	0.66	0.49	0.33	0.88	0.58	0.44	0.29	0.78	0.52	0.39	0.26	0.71	0.47	0.35	0.24	0.64	0.43	0.32	0.21
WRC	0.66	0.44	0.33	0.22	0.58	0.39	0.29	0.19	0.52	0.35	0.26	0.17	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.47	0.98	0.74	0.49	1.30	0.87	0.65	0.43	1.16	0.78	0.58	0.39	1.09	0.73	0.55	0.36	0.85	0.57	0.43	0.28
WRB	0.89	0.59	0.45	0.30	0.72	0.48	0.36	0.24	0.65	0.44	0.33	0.22	0.62	0.41	0.31	0.21	0.57	0.38	0.28	0.19
WRC	0.59	0.39	0.30	0.20	0.49	0.33	0.24	0.16	0.44	0.29	0.22	0.15	0.35	0.23	0.17	0.12	0.32	0.21	0.16	0.11

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 HI-STRENGTH (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.35	0.90	0.68	0.45	1.35	0.90	0.68	0.45	1.16	0.78	0.58	0.39	1.04	0.69	0.52	0.35	0.76	0.51	0.38	0.25
WRB	0.76	0.51	0.38	0.25	0.76	0.51	0.38	0.25	0.65	0.44	0.33	0.22	0.58	0.39	0.29	0.19	0.51	0.34	0.25	0.17
WRC	0.50	0.34	0.25	0.17	0.50	0.34	0.25	0.17	0.44	0.29	0.22	0.15	0.33	0.22	0.16	0.11	0.29	0.19	0.14	0.10

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.23	0.82	0.61	0.41	1.09	0.73	0.55	0.36	0.96	0.64	0.48	0.32	0.88	0.59	0.44	0.29	0.68	0.45	0.34	0.23
WRB	0.68	0.46	0.34	0.23	0.62	0.41	0.31	0.21	0.55	0.36	0.27	0.18	0.50	0.33	0.25	0.17	0.45	0.30	0.23	0.15
WRC	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.11	0.74	0.55	0.37	0.90	0.60	0.45	0.30	0.81	0.54	0.40	0.27	0.76	0.51	0.38	0.25	0.60	0.40	0.30	0.20
WRB	0.62	0.42	0.31	0.21	0.51	0.34	0.25	0.17	0.46	0.31	0.23	0.15	0.44	0.29	0.22	0.15	0.40	0.27	0.20	0.13
WRC	0.42	0.28	0.21	0.14	0.34	0.23	0.17	0.11	0.31	0.21	0.16	0.10	0.25	0.16	0.12	0.08	0.23	0.15	0.11	0.08

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 700 HI-STRENGTH (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.98	0.65	0.49	0.33	0.98	0.65	0.49	0.33	0.85	0.56	0.42	0.28	0.75	0.50	0.37	0.25	0.55	0.37	0.28	0.18
WRB	0.55	0.37	0.28	0.18	0.55	0.37	0.28	0.18	0.48	0.32	0.24	0.16	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13
WRC	0.38	0.25	0.19	0.13	0.38	0.25	0.19	0.13	0.32	0.21	0.16	0.11	0.24	0.16	0.12	0.08	0.21	0.14	0.11	0.07

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.88	0.59	0.44	0.29	0.79	0.53	0.40	0.26	0.70	0.47	0.35	0.23	0.65	0.43	0.32	0.22	0.49	0.33	0.25	0.16
WRB	0.50	0.33	0.25	0.17	0.45	0.30	0.22	0.15	0.40	0.27	0.20	0.13	0.37	0.25	0.18	0.12	0.33	0.22	0.17	0.11
WRC	0.34	0.22	0.17	0.11	0.30	0.20	0.15	0.10	0.27	0.18	0.14	0.09	0.21	0.14	0.10	0.07	0.19	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.80	0.53	0.40	0.27	0.65	0.44	0.33	0.22	0.59	0.39	0.30	0.20	0.56	0.38	0.28	0.19	0.44	0.29	0.22	0.15
WRB	0.45	0.30	0.23	0.15	0.38	0.25	0.19	0.13	0.34	0.23	0.17	0.11	0.32	0.22	0.16	0.11	0.30	0.20	0.15	0.10
WRC	0.31	0.21	0.16	0.10	0.26	0.17	0.13	0.09	0.23	0.15	0.12	0.08	0.18	0.12	0.09	0.06	0.17	0.11	0.08	0.06

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 406

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-32/AU and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	2.10	1.40	1.05	0.70	2.10	1.40	1.05	0.70	2.01	1.34	1.00	0.67	1.94	1.29	0.97	0.65	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.55	1.03	0.78	0.52	1.55	1.03	0.78	0.52	1.48	0.98	0.74	0.49	1.09	0.73	0.55	0.36	0.99	0.66	0.50	0.33

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	2.04	1.36	1.02	0.68	1.97	1.32	0.99	0.66	1.90	1.26	0.95	0.63	1.84	1.23	0.92	0.61	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.50	1.00	0.75	0.50	1.43	0.95	0.71	0.48	1.30	0.87	0.65	0.43	0.97	0.65	0.49	0.32	0.90	0.60	0.45	0.30

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.98	1.32	0.99	0.66	1.86	1.24	0.93	0.62	1.80	1.20	0.90	0.60	1.77	1.18	0.88	0.59	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44
WRC	1.44	0.96	0.72	0.48	1.24	0.83	0.62	0.41	1.14	0.76	0.57	0.38	0.87	0.58	0.44	0.29	0.82	0.55	0.41	0.27

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 406 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-32/AU and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.83	1.22	0.91	0.61	1.83	1.22	0.91	0.61	1.74	1.16	0.87	0.58	1.68	1.12	0.84	0.56	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.26	0.84	0.63	0.42	1.15	0.76	0.57	0.38
WRC	1.20	0.80	0.60	0.40	1.20	0.80	0.60	0.40	1.07	0.71	0.53	0.36	0.78	0.52	0.39	0.26	0.69	0.46	0.35	0.23

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.77	1.18	0.88	0.59	1.70	1.14	0.85	0.57	1.64	1.10	0.82	0.55	1.60	1.07	0.80	0.53	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.32	0.88	0.66	0.44	1.20	0.80	0.60	0.40	1.12	0.75	0.56	0.37	1.04	0.69	0.52	0.35
WRC	1.11	0.74	0.55	0.37	1.02	0.68	0.51	0.34	0.92	0.62	0.46	0.31	0.68	0.45	0.34	0.23	0.61	0.41	0.31	0.20

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.71	1.14	0.86	0.57	1.61	1.07	0.80	0.54	1.56	1.04	0.78	0.52	1.53	1.02	0.77	0.51	1.29	0.86	0.65	0.43
WRB	1.33	0.89	0.67	0.44	1.15	0.76	0.57	0.38	1.05	0.70	0.53	0.35	1.01	0.67	0.50	0.34	0.95	0.63	0.47	0.32
WRC	1.03	0.68	0.51	0.34	0.87	0.58	0.43	0.29	0.78	0.52	0.39	0.26	0.59	0.39	0.29	0.20	0.54	0.36	0.27	0.18

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 406 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-32/AU and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.67	1.11	0.83	0.56	1.67	1.11	0.83	0.56	1.59	1.06	0.80	0.53	1.46	0.97	0.73	0.49	1.18	0.78	0.59	0.39
WRB	1.17	0.78	0.58	0.39	1.17	0.78	0.58	0.39	1.05	0.70	0.52	0.35	0.95	0.64	0.48	0.32	0.86	0.57	0.43	0.29
WRC	0.90	0.60	0.45	0.30	0.90	0.60	0.45	0.30	0.79	0.53	0.40	0.26	0.57	0.38	0.28	0.19	0.49	0.33	0.25	0.16

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.53	1.02	0.77	0.51	1.39	0.93	0.70	0.46	1.30	0.87	0.65	0.43	1.07	0.71	0.53	0.36
WRB	1.08	0.72	0.54	0.36	1.00	0.67	0.50	0.33	0.91	0.61	0.45	0.30	0.85	0.56	0.42	0.28	0.78	0.52	0.39	0.26
WRC	0.83	0.55	0.41	0.28	0.75	0.50	0.38	0.25	0.66	0.44	0.33	0.22	0.49	0.32	0.24	0.16	0.44	0.29	0.22	0.15

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.03	0.77	0.51	1.33	0.89	0.67	0.44	1.23	0.82	0.61	0.41	1.17	0.78	0.59	0.39	0.98	0.65	0.49	0.33
WRB	1.01	0.67	0.50	0.34	0.86	0.57	0.43	0.29	0.79	0.53	0.40	0.26	0.75	0.50	0.38	0.25	0.70	0.47	0.35	0.23
WRC	0.76	0.51	0.38	0.25	0.62	0.41	0.31	0.21	0.56	0.37	0.28	0.19	0.42	0.28	0.21	0.14	0.39	0.26	0.19	0.13

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 406 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-32/AU and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.34	0.89	0.67	0.45	1.34	0.89	0.67	0.45	1.20	0.80	0.60	0.40	1.10	0.73	0.55	0.37	0.87	0.58	0.43	0.29
WRB	0.87	0.58	0.43	0.29	0.87	0.58	0.43	0.29	0.75	0.50	0.37	0.25	0.66	0.44	0.33	0.22	0.58	0.38	0.29	0.19
WRC	0.60	0.40	0.30	0.20	0.60	0.40	0.30	0.20	0.52	0.34	0.26	0.17	0.37	0.24	0.18	0.12	0.33	0.22	0.16	0.11

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.24	0.83	0.62	0.41	1.15	0.77	0.57	0.38	1.03	0.69	0.52	0.34	0.97	0.64	0.48	0.32	0.77	0.51	0.38	0.26
WRB	0.78	0.52	0.39	0.26	0.70	0.47	0.35	0.23	0.62	0.41	0.31	0.21	0.57	0.38	0.28	0.19	0.51	0.34	0.25	0.17
WRC	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.32	0.21	0.16	0.11	0.29	0.19	0.14	0.10

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.16	0.77	0.58	0.39	0.98	0.66	0.49	0.33	0.89	0.59	0.44	0.30	0.83	0.56	0.42	0.28	0.68	0.46	0.34	0.23
WRB	0.71	0.47	0.35	0.24	0.58	0.38	0.29	0.19	0.52	0.35	0.26	0.17	0.49	0.33	0.25	0.16	0.45	0.30	0.23	0.15
WRC	0.49	0.33	0.25	0.16	0.41	0.27	0.20	0.14	0.37	0.24	0.18	0.12	0.27	0.18	0.14	0.09	0.25	0.17	0.13	0.08

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 406 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-32/AU and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.03	0.69	0.52	0.34	1.03	0.69	0.52	0.34	0.89	0.59	0.44	0.30	0.78	0.52	0.39	0.26	0.61	0.41	0.30	0.20
WRB	0.60	0.40	0.30	0.20	0.60	0.40	0.30	0.20	0.52	0.35	0.26	0.17	0.46	0.31	0.23	0.15	0.41	0.27	0.20	0.14
WRC	0.43	0.28	0.21	0.14	0.43	0.28	0.21	0.14	0.37	0.24	0.18	0.12	0.26	0.17	0.13	0.09	0.23	0.15	0.11	0.08

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.93	0.62	0.47	0.31	0.83	0.56	0.42	0.28	0.73	0.49	0.37	0.24	0.67	0.45	0.33	0.22	0.54	0.36	0.27	0.18
WRB	0.55	0.36	0.27	0.18	0.49	0.33	0.25	0.16	0.43	0.29	0.22	0.14	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12
WRC	0.38	0.26	0.19	0.13	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10	0.23	0.15	0.11	0.08	0.21	0.14	0.10	0.07

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.84	0.56	0.42	0.28	0.69	0.46	0.34	0.23	0.62	0.41	0.31	0.21	0.58	0.39	0.29	0.19	0.48	0.32	0.24	0.16
WRB	0.49	0.33	0.25	0.16	0.41	0.27	0.20	0.14	0.37	0.25	0.18	0.12	0.35	0.23	0.17	0.12	0.32	0.22	0.16	0.11
WRC	0.35	0.23	0.18	0.12	0.28	0.19	0.14	0.09	0.26	0.17	0.13	0.09	0.19	0.13	0.10	0.06	0.18	0.12	0.09	0.06

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT KLIP-LOK 406 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-32/AU and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.75	0.50	0.37	0.25	0.75	0.50	0.37	0.25	0.64	0.43	0.32	0.21	0.57	0.38	0.29	0.19	0.45	0.30	0.22	0.15
WRB	0.44	0.29	0.22	0.15	0.44	0.29	0.22	0.15	0.38	0.25	0.19	0.13	0.34	0.23	0.17	0.11	0.30	0.20	0.15	0.10
WRC	0.31	0.21	0.15	0.10	0.31	0.21	0.15	0.10	0.27	0.18	0.13	0.09	0.19	0.13	0.10	0.06	0.17	0.11	0.08	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.67	0.45	0.33	0.22	0.61	0.41	0.30	0.20	0.53	0.35	0.27	0.18	0.49	0.32	0.24	0.16	0.39	0.26	0.20	0.13
WRB	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12	0.32	0.21	0.16	0.11	0.29	0.19	0.15	0.10	0.26	0.17	0.13	0.09
WRC	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08	0.23	0.15	0.11	0.08	0.17	0.11	0.08	0.06	0.15	0.10	0.08	0.05

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.61	0.41	0.30	0.20	0.50	0.34	0.25	0.17	0.45	0.30	0.23	0.15	0.43	0.28	0.21	0.14	0.35	0.23	0.17	0.12
WRB	0.36	0.24	0.18	0.12	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.25	0.17	0.13	0.08	0.24	0.16	0.12	0.08
WRC	0.26	0.17	0.13	0.09	0.21	0.14	0.10	0.07	0.19	0.13	0.10	0.06	0.15	0.10	0.07	0.05	0.13	0.09	0.07	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK ULTRA

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.50	1.00	0.75	0.50	1.50	1.00	0.75	0.50	1.43	0.95	0.71	0.48	1.14	0.76	0.57	0.38	1.09	0.73	0.55	0.36

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.45	0.97	0.73	0.48	1.40	0.94	0.70	0.47	1.35	0.90	0.67	0.45	1.09	0.72	0.54	0.36	1.05	0.70	0.53	0.35

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.35	0.90	0.67	0.45
WRC	1.41	0.94	0.71	0.47	1.32	0.88	0.66	0.44	1.28	0.85	0.64	0.43	1.04	0.69	0.52	0.35	1.01	0.68	0.51	0.34

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK ULTRA (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.60	1.07	0.80	0.53	1.54	1.03	0.77	0.51	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.31	0.87	0.65	0.44	1.25	0.84	0.63	0.42
WRC	1.30	0.87	0.65	0.43	1.30	0.87	0.65	0.43	1.24	0.83	0.62	0.41	0.99	0.66	0.49	0.33	0.93	0.62	0.47	0.31

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.57	1.05	0.78	0.52	1.51	1.01	0.76	0.50	1.47	0.98	0.74	0.49	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44	1.28	0.86	0.64	0.43	1.25	0.83	0.62	0.42	1.21	0.81	0.60	0.40
WRC	1.26	0.84	0.63	0.42	1.22	0.81	0.61	0.41	1.17	0.78	0.58	0.39	0.91	0.61	0.46	0.30	0.82	0.55	0.41	0.27

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.58	1.05	0.79	0.53	1.48	0.99	0.74	0.49	1.43	0.95	0.72	0.48	1.41	0.94	0.70	0.47	1.32	0.88	0.66	0.44
WRB	1.34	0.89	0.67	0.45	1.25	0.84	0.63	0.42	1.22	0.81	0.61	0.41	1.19	0.79	0.60	0.40	1.16	0.77	0.58	0.39
WRC	1.22	0.81	0.61	0.41	1.13	0.75	0.56	0.38	1.02	0.68	0.51	0.34	0.79	0.52	0.39	0.26	0.73	0.49	0.37	0.24

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK ULTRA (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.02	0.77	0.51	1.54	1.02	0.77	0.51	1.46	0.98	0.73	0.49	1.42	0.94	0.71	0.47	1.31	0.87	0.65	0.44
WRB	1.30	0.87	0.65	0.43	1.30	0.87	0.65	0.43	1.25	0.83	0.62	0.42	1.20	0.80	0.60	0.40	1.15	0.77	0.58	0.38
WRC	1.17	0.78	0.58	0.39	1.17	0.78	0.58	0.39	1.03	0.69	0.52	0.34	0.76	0.51	0.38	0.25	0.67	0.44	0.33	0.22

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.49	0.99	0.74	0.50	1.44	0.96	0.72	0.48	1.38	0.92	0.69	0.46	1.35	0.90	0.68	0.45	1.25	0.84	0.63	0.42
WRB	1.26	0.84	0.63	0.42	1.22	0.82	0.61	0.41	1.18	0.78	0.59	0.39	1.14	0.76	0.57	0.38	1.05	0.70	0.52	0.35
WRC	1.08	0.72	0.54	0.36	0.98	0.65	0.49	0.33	0.85	0.57	0.43	0.28	0.65	0.44	0.33	0.22	0.59	0.39	0.29	0.20

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.45	0.97	0.72	0.48	1.36	0.91	0.68	0.45	1.31	0.87	0.66	0.44	1.29	0.86	0.64	0.43	1.21	0.81	0.60	0.40
WRB	1.22	0.82	0.61	0.41	1.15	0.77	0.58	0.38	1.06	0.71	0.53	0.35	1.02	0.68	0.51	0.34	0.94	0.63	0.47	0.31
WRC	0.98	0.66	0.49	0.33	0.81	0.54	0.40	0.27	0.73	0.48	0.36	0.24	0.57	0.38	0.28	0.19	0.52	0.35	0.26	0.17

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK ULTRA (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.38	0.92	0.69	0.46	1.38	0.92	0.69	0.46	1.31	0.87	0.66	0.44	1.26	0.84	0.63	0.42	1.17	0.78	0.58	0.39
WRB	1.16	0.77	0.58	0.39	1.16	0.77	0.58	0.39	1.00	0.67	0.50	0.33	0.88	0.59	0.44	0.29	0.78	0.52	0.39	0.26
WRC	0.78	0.52	0.39	0.26	0.78	0.52	0.39	0.26	0.67	0.45	0.33	0.22	0.49	0.33	0.25	0.16	0.43	0.29	0.22	0.14

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.34	0.89	0.67	0.45	1.29	0.86	0.64	0.43	1.24	0.83	0.62	0.41	1.20	0.80	0.60	0.40	1.03	0.69	0.52	0.34
WRB	1.05	0.70	0.53	0.35	0.94	0.63	0.47	0.31	0.83	0.55	0.42	0.28	0.76	0.51	0.38	0.25	0.68	0.46	0.34	0.23
WRC	0.70	0.47	0.35	0.23	0.64	0.42	0.32	0.21	0.56	0.37	0.28	0.19	0.43	0.28	0.21	0.14	0.39	0.26	0.19	0.13

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.30	0.86	0.65	0.43	1.22	0.81	0.61	0.41	1.10	0.73	0.55	0.37	1.03	0.69	0.52	0.34	0.92	0.61	0.46	0.31
WRB	0.95	0.64	0.48	0.32	0.78	0.52	0.39	0.26	0.70	0.47	0.35	0.23	0.66	0.44	0.33	0.22	0.61	0.41	0.30	0.20
WRC	0.64	0.42	0.32	0.21	0.52	0.35	0.26	0.17	0.48	0.32	0.24	0.16	0.37	0.25	0.19	0.12	0.35	0.23	0.17	0.12

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK ULTRA (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.26	0.84	0.63	0.42	1.26	0.84	0.63	0.42	1.10	0.73	0.55	0.37	0.98	0.65	0.49	0.33	0.82	0.54	0.41	0.27
WRB	0.81	0.54	0.40	0.27	0.81	0.54	0.40	0.27	0.70	0.47	0.35	0.23	0.62	0.42	0.31	0.21	0.55	0.36	0.27	0.18
WRC	0.55	0.37	0.27	0.18	0.55	0.37	0.27	0.18	0.48	0.32	0.24	0.16	0.35	0.23	0.17	0.12	0.31	0.20	0.15	0.10

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.15	0.77	0.58	0.38	1.03	0.69	0.52	0.34	0.91	0.61	0.46	0.30	0.83	0.55	0.42	0.28	0.72	0.48	0.36	0.24
WRB	0.73	0.49	0.37	0.24	0.66	0.44	0.33	0.22	0.58	0.39	0.29	0.19	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16
WRC	0.50	0.33	0.25	0.17	0.44	0.30	0.22	0.15	0.40	0.26	0.20	0.13	0.30	0.20	0.15	0.10	0.27	0.18	0.14	0.09

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.05	0.70	0.52	0.35	0.85	0.57	0.42	0.28	0.77	0.51	0.38	0.26	0.72	0.48	0.36	0.24	0.64	0.43	0.32	0.21
WRB	0.67	0.45	0.33	0.22	0.55	0.36	0.27	0.18	0.49	0.33	0.25	0.16	0.47	0.31	0.23	0.16	0.43	0.29	0.22	0.14
WRC	0.45	0.30	0.23	0.15	0.37	0.25	0.19	0.12	0.34	0.23	0.17	0.11	0.26	0.17	0.13	0.09	0.25	0.16	0.12	0.08

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK ULTRA (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.92	0.61	0.46	0.31	0.92	0.61	0.46	0.31	0.79	0.53	0.40	0.26	0.70	0.47	0.35	0.23	0.59	0.39	0.30	0.20
WRB	0.59	0.39	0.30	0.20	0.59	0.39	0.30	0.20	0.51	0.34	0.25	0.17	0.45	0.30	0.23	0.15	0.40	0.27	0.20	0.13
WRC	0.40	0.27	0.20	0.13	0.40	0.27	0.20	0.13	0.35	0.23	0.17	0.12	0.26	0.17	0.13	0.09	0.23	0.15	0.11	0.08

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.83	0.55	0.42	0.28	0.75	0.50	0.38	0.25	0.66	0.44	0.33	0.22	0.61	0.41	0.30	0.20	0.52	0.35	0.26	0.17
WRB	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.42	0.28	0.21	0.14	0.39	0.26	0.20	0.13	0.35	0.24	0.18	0.12
WRC	0.36	0.24	0.18	0.12	0.33	0.22	0.17	0.11	0.29	0.19	0.15	0.10	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.76	0.51	0.38	0.25	0.62	0.41	0.31	0.21	0.56	0.37	0.28	0.19	0.53	0.35	0.26	0.18	0.47	0.31	0.23	0.16
WRB	0.48	0.32	0.24	0.16	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12	0.34	0.23	0.17	0.11	0.32	0.21	0.16	0.11
WRC	0.33	0.22	0.17	0.11	0.27	0.18	0.14	0.09	0.25	0.17	0.13	0.08	0.19	0.13	0.10	0.06	0.18	0.12	0.09	0.06

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

FIELDERS KINGKLIP 700

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.43	0.95	0.72	0.48	1.43	0.95	0.72	0.48	1.36	0.91	0.68	0.45	1.14	0.76	0.57	0.38	1.09	0.73	0.55	0.36

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.38	0.92	0.69	0.46	1.34	0.89	0.67	0.45	1.28	0.86	0.64	0.43	1.09	0.72	0.54	0.36	1.05	0.70	0.53	0.35

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.35	0.90	0.67	0.45
WRC	1.35	0.90	0.67	0.45	1.26	0.84	0.63	0.42	1.22	0.82	0.61	0.41	1.04	0.69	0.52	0.35	1.01	0.68	0.51	0.34

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

FIELDERS KINGKLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.60	1.07	0.80	0.53	1.54	1.03	0.77	0.51	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.31	0.87	0.65	0.44	1.25	0.84	0.63	0.42
WRC	1.24	0.83	0.62	0.41	1.24	0.83	0.62	0.41	1.18	0.79	0.59	0.39	0.99	0.66	0.49	0.33	0.91	0.61	0.46	0.30

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.57	1.05	0.78	0.52	1.51	1.01	0.76	0.50	1.47	0.98	0.74	0.49	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44	1.28	0.86	0.64	0.43	1.25	0.83	0.62	0.42	1.21	0.81	0.60	0.40
WRC	1.20	0.80	0.60	0.40	1.16	0.77	0.58	0.39	1.12	0.74	0.56	0.37	0.89	0.60	0.45	0.30	0.81	0.54	0.40	0.27

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.58	1.05	0.79	0.53	1.48	0.99	0.74	0.49	1.43	0.95	0.72	0.48	1.41	0.94	0.70	0.47	1.32	0.88	0.66	0.44
WRB	1.34	0.89	0.67	0.45	1.25	0.84	0.63	0.42	1.22	0.81	0.61	0.41	1.19	0.79	0.60	0.40	1.16	0.77	0.58	0.39
WRC	1.16	0.77	0.58	0.39	1.05	0.70	0.53	0.35	0.95	0.63	0.47	0.32	0.77	0.52	0.39	0.26	0.71	0.48	0.36	0.24

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

FIELDERS KINGKLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.02	0.77	0.51	1.54	1.02	0.77	0.51	1.46	0.98	0.73	0.49	1.42	0.94	0.71	0.47	1.31	0.87	0.65	0.44
WRB	1.30	0.87	0.65	0.43	1.30	0.87	0.65	0.43	1.25	0.83	0.62	0.42	1.20	0.80	0.60	0.40	1.13	0.75	0.57	0.38
WRC	1.09	0.73	0.55	0.36	1.09	0.73	0.55	0.36	0.97	0.65	0.48	0.32	0.75	0.50	0.37	0.25	0.65	0.44	0.33	0.22

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.49	0.99	0.74	0.50	1.44	0.96	0.72	0.48	1.38	0.92	0.69	0.46	1.35	0.90	0.68	0.45	1.25	0.84	0.63	0.42
WRB	1.26	0.84	0.63	0.42	1.22	0.82	0.61	0.41	1.18	0.78	0.59	0.39	1.12	0.74	0.56	0.37	1.02	0.68	0.51	0.34
WRC	1.01	0.67	0.50	0.34	0.91	0.61	0.45	0.30	0.80	0.53	0.40	0.27	0.64	0.43	0.32	0.21	0.57	0.38	0.29	0.19

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.45	0.97	0.72	0.48	1.36	0.91	0.68	0.45	1.31	0.87	0.66	0.44	1.29	0.86	0.64	0.43	1.21	0.81	0.60	0.40
WRB	1.22	0.82	0.61	0.41	1.13	0.75	0.57	0.38	1.05	0.70	0.52	0.35	0.99	0.66	0.50	0.33	0.92	0.62	0.46	0.31
WRC	0.92	0.62	0.46	0.31	0.75	0.50	0.38	0.25	0.68	0.45	0.34	0.23	0.55	0.37	0.28	0.18	0.51	0.34	0.26	0.17

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

FIELDERS KINGKLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.38	0.92	0.69	0.46	1.38	0.92	0.69	0.46	1.31	0.87	0.66	0.44	1.26	0.84	0.63	0.42	1.15	0.77	0.58	0.38
WRB	1.15	0.76	0.57	0.38	1.15	0.76	0.57	0.38	0.98	0.65	0.49	0.33	0.87	0.58	0.43	0.29	0.76	0.51	0.38	0.25
WRC	0.73	0.49	0.37	0.24	0.73	0.49	0.37	0.24	0.63	0.42	0.32	0.21	0.49	0.32	0.24	0.16	0.43	0.28	0.21	0.14

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.34	0.89	0.67	0.45	1.29	0.86	0.64	0.43	1.24	0.83	0.62	0.41	1.18	0.78	0.59	0.39	1.02	0.68	0.51	0.34
WRB	1.03	0.69	0.52	0.34	0.92	0.62	0.46	0.31	0.82	0.54	0.41	0.27	0.75	0.50	0.37	0.25	0.68	0.45	0.34	0.23
WRC	0.66	0.44	0.33	0.22	0.59	0.39	0.30	0.20	0.52	0.35	0.26	0.17	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.30	0.86	0.65	0.43	1.20	0.80	0.60	0.40	1.08	0.72	0.54	0.36	1.02	0.68	0.51	0.34	0.90	0.60	0.45	0.30
WRB	0.93	0.62	0.47	0.31	0.76	0.51	0.38	0.25	0.68	0.46	0.34	0.23	0.65	0.43	0.32	0.22	0.60	0.40	0.30	0.20
WRC	0.60	0.40	0.30	0.20	0.49	0.33	0.25	0.16	0.45	0.30	0.22	0.15	0.37	0.24	0.18	0.12	0.34	0.23	0.17	0.11

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

FIELDERS KINGKLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.26	0.84	0.63	0.42	1.26	0.84	0.63	0.42	1.07	0.71	0.54	0.36	0.95	0.63	0.48	0.32	0.80	0.53	0.40	0.27
WRB	0.79	0.53	0.40	0.26	0.79	0.53	0.40	0.26	0.68	0.46	0.34	0.23	0.61	0.41	0.30	0.20	0.54	0.36	0.27	0.18
WRC	0.52	0.34	0.26	0.17	0.52	0.34	0.26	0.17	0.45	0.30	0.22	0.15	0.34	0.23	0.17	0.11	0.30	0.20	0.15	0.10

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.13	0.75	0.56	0.38	1.01	0.67	0.50	0.34	0.89	0.59	0.44	0.30	0.82	0.54	0.41	0.27	0.71	0.47	0.35	0.24
WRB	0.72	0.48	0.36	0.24	0.65	0.43	0.32	0.22	0.57	0.38	0.28	0.19	0.52	0.35	0.26	0.17	0.48	0.32	0.24	0.16
WRC	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12	0.29	0.20	0.15	0.10	0.27	0.18	0.13	0.09

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.02	0.68	0.51	0.34	0.83	0.55	0.42	0.28	0.75	0.50	0.38	0.25	0.70	0.47	0.35	0.23	0.63	0.42	0.32	0.21
WRB	0.65	0.44	0.33	0.22	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.45	0.30	0.23	0.15	0.42	0.28	0.21	0.14
WRC	0.42	0.28	0.21	0.14	0.35	0.23	0.17	0.12	0.32	0.21	0.16	0.11	0.26	0.17	0.13	0.09	0.24	0.16	0.12	0.08

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

FIELDERS KINGKLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.90	0.60	0.45	0.30	0.90	0.60	0.45	0.30	0.78	0.52	0.39	0.26	0.70	0.46	0.35	0.23	0.58	0.39	0.29	0.19
WRB	0.58	0.38	0.29	0.19	0.58	0.38	0.29	0.19	0.50	0.33	0.25	0.17	0.45	0.30	0.22	0.15	0.39	0.26	0.20	0.13
WRC	0.38	0.25	0.19	0.13	0.38	0.25	0.19	0.13	0.32	0.22	0.16	0.11	0.25	0.17	0.13	0.08	0.22	0.15	0.11	0.07

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.82	0.54	0.41	0.27	0.74	0.49	0.37	0.25	0.65	0.43	0.32	0.22	0.59	0.39	0.30	0.20	0.52	0.34	0.26	0.17
WRB	0.52	0.35	0.26	0.17	0.47	0.31	0.23	0.16	0.42	0.28	0.21	0.14	0.38	0.26	0.19	0.13	0.35	0.23	0.17	0.12
WRC	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10	0.28	0.18	0.14	0.09	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.74	0.50	0.37	0.25	0.61	0.41	0.30	0.20	0.55	0.37	0.28	0.18	0.52	0.35	0.26	0.17	0.46	0.31	0.23	0.15
WRB	0.48	0.32	0.24	0.16	0.39	0.26	0.20	0.13	0.35	0.24	0.18	0.12	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10
WRC	0.31	0.21	0.15	0.10	0.25	0.17	0.13	0.08	0.23	0.15	0.12	0.08	0.19	0.13	0.10	0.06	0.18	0.12	0.09	0.06

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRATCO TOPDECK 700

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.45	0.97	0.73	0.48	1.33	0.89	0.67	0.44
WRC	1.28	0.86	0.64	0.43	1.28	0.86	0.64	0.43	1.16	0.77	0.58	0.39	0.92	0.61	0.46	0.31	0.83	0.56	0.42	0.28

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.51	1.01	0.75	0.50	1.39	0.93	0.70	0.46	1.31	0.87	0.65	0.44	1.22	0.81	0.61	0.41
WRC	1.20	0.80	0.60	0.40	1.11	0.74	0.55	0.37	1.02	0.68	0.51	0.34	0.82	0.55	0.41	0.27	0.76	0.51	0.38	0.25

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.48	0.99	0.74	0.49
WRB	1.52	1.02	0.76	0.51	1.33	0.89	0.67	0.44	1.24	0.83	0.62	0.41	1.18	0.79	0.59	0.39	1.12	0.75	0.56	0.37
WRC	1.12	0.75	0.56	0.37	0.96	0.64	0.48	0.32	0.89	0.59	0.45	0.30	0.73	0.49	0.37	0.24	0.69	0.46	0.35	0.23

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

STRATCO TOPDECK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.59	1.06	0.80	0.53	1.47	0.98	0.74	0.49	1.29	0.86	0.65	0.43
WRB	1.28	0.86	0.64	0.43	1.28	0.86	0.64	0.43	1.16	0.77	0.58	0.39	1.06	0.71	0.53	0.35	0.96	0.64	0.48	0.32
WRC	0.93	0.62	0.47	0.31	0.93	0.62	0.47	0.31	0.83	0.55	0.42	0.28	0.65	0.44	0.33	0.22	0.59	0.39	0.29	0.20

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.53	1.02	0.76	0.51	1.41	0.94	0.70	0.47	1.33	0.89	0.66	0.44	1.18	0.79	0.59	0.39
WRB	1.20	0.80	0.60	0.40	1.11	0.74	0.55	0.37	1.02	0.68	0.51	0.34	0.95	0.63	0.47	0.32	0.88	0.58	0.44	0.29
WRC	0.86	0.57	0.43	0.29	0.79	0.53	0.40	0.26	0.72	0.48	0.36	0.24	0.57	0.38	0.29	0.19	0.51	0.34	0.26	0.17

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.03	0.77	0.51	1.34	0.90	0.67	0.45	1.25	0.83	0.62	0.42	1.20	0.80	0.60	0.40	1.09	0.73	0.55	0.36
WRB	1.12	0.75	0.56	0.37	0.96	0.64	0.48	0.32	0.89	0.59	0.45	0.30	0.85	0.57	0.43	0.28	0.80	0.53	0.40	0.27
WRC	0.80	0.53	0.40	0.27	0.68	0.45	0.34	0.23	0.61	0.41	0.30	0.20	0.49	0.33	0.25	0.16	0.46	0.31	0.23	0.15

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRATCO TOPDECK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.37	0.91	0.68	0.46	1.37	0.91	0.68	0.46	1.23	0.82	0.62	0.41	1.14	0.76	0.57	0.38	0.99	0.66	0.50	0.33
WRB	0.98	0.66	0.49	0.33	0.98	0.66	0.49	0.33	0.88	0.58	0.44	0.29	0.80	0.53	0.40	0.27	0.72	0.48	0.36	0.24
WRC	0.70	0.47	0.35	0.23	0.70	0.47	0.35	0.23	0.62	0.41	0.31	0.21	0.47	0.32	0.24	0.16	0.42	0.28	0.21	0.14

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.28	0.85	0.64	0.43	1.18	0.79	0.59	0.39	1.08	0.72	0.54	0.36	1.02	0.68	0.51	0.34	0.90	0.60	0.45	0.30
WRB	0.92	0.61	0.46	0.31	0.84	0.56	0.42	0.28	0.76	0.51	0.38	0.25	0.72	0.48	0.36	0.24	0.65	0.44	0.33	0.22
WRC	0.65	0.43	0.32	0.22	0.58	0.39	0.29	0.19	0.52	0.34	0.26	0.17	0.41	0.27	0.20	0.14	0.37	0.24	0.18	0.12

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.19	0.79	0.60	0.40	1.03	0.69	0.52	0.34	0.95	0.63	0.48	0.32	0.91	0.61	0.46	0.30	0.82	0.55	0.41	0.27
WRB	0.85	0.56	0.42	0.28	0.72	0.48	0.36	0.24	0.67	0.45	0.33	0.22	0.63	0.42	0.32	0.21	0.59	0.39	0.30	0.20
WRC	0.59	0.39	0.30	0.20	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.35	0.24	0.18	0.12	0.33	0.22	0.16	0.11

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRATCO TOPDECK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.04	0.69	0.52	0.35	1.04	0.69	0.52	0.35	0.93	0.62	0.46	0.31	0.85	0.57	0.42	0.28	0.74	0.49	0.37	0.25
WRB	0.73	0.49	0.37	0.24	0.73	0.49	0.37	0.24	0.62	0.42	0.31	0.21	0.55	0.37	0.28	0.18	0.48	0.32	0.24	0.16
WRC	0.47	0.31	0.23	0.16	0.47	0.31	0.23	0.16	0.40	0.27	0.20	0.13	0.31	0.21	0.16	0.10	0.27	0.18	0.14	0.09

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.96	0.64	0.48	0.32	0.89	0.59	0.44	0.30	0.81	0.54	0.40	0.27	0.75	0.50	0.38	0.25	0.65	0.43	0.32	0.22
WRB	0.66	0.44	0.33	0.22	0.59	0.39	0.30	0.20	0.52	0.35	0.26	0.17	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14
WRC	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13	0.34	0.23	0.17	0.11	0.27	0.18	0.13	0.09	0.24	0.16	0.12	0.08

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.90	0.60	0.45	0.30	0.77	0.51	0.38	0.26	0.69	0.46	0.34	0.23	0.65	0.43	0.32	0.22	0.58	0.38	0.29	0.19
WRB	0.60	0.40	0.30	0.20	0.48	0.32	0.24	0.16	0.44	0.29	0.22	0.15	0.42	0.28	0.21	0.14	0.38	0.26	0.19	0.13
WRC	0.38	0.26	0.19	0.13	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09	0.23	0.16	0.12	0.08	0.21	0.14	0.11	0.07

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRATCO TOPDECK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.80	0.53	0.40	0.27	0.80	0.53	0.40	0.27	0.69	0.46	0.34	0.23	0.61	0.41	0.30	0.20	0.52	0.34	0.26	0.17
WRB	0.51	0.34	0.25	0.17	0.51	0.34	0.25	0.17	0.44	0.29	0.22	0.15	0.39	0.26	0.20	0.13	0.35	0.23	0.17	0.12
WRC	0.33	0.22	0.17	0.11	0.33	0.22	0.17	0.11	0.28	0.19	0.14	0.09	0.22	0.15	0.11	0.07	0.19	0.13	0.10	0.06

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.72	0.48	0.36	0.24	0.65	0.43	0.32	0.22	0.57	0.38	0.28	0.19	0.52	0.35	0.26	0.17	0.45	0.30	0.23	0.15
WRB	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10
WRC	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.24	0.16	0.12	0.08	0.19	0.12	0.09	0.06	0.17	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.66	0.44	0.33	0.22	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.46	0.30	0.23	0.15	0.40	0.27	0.20	0.13
WRB	0.42	0.28	0.21	0.14	0.35	0.23	0.17	0.12	0.31	0.21	0.15	0.10	0.29	0.19	0.15	0.10	0.27	0.18	0.13	0.09
WRC	0.27	0.18	0.13	0.09	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07	0.17	0.11	0.08	0.06	0.15	0.10	0.08	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRATCO TOPDECK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.58	0.38	0.29	0.19	0.58	0.38	0.29	0.19	0.50	0.33	0.25	0.17	0.44	0.29	0.22	0.15	0.38	0.25	0.19	0.13
WRB	0.37	0.25	0.18	0.12	0.37	0.25	0.18	0.12	0.32	0.22	0.16	0.11	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08
WRC	0.24	0.16	0.12	0.08	0.24	0.16	0.12	0.08	0.21	0.14	0.10	0.07	0.16	0.11	0.08	0.05	0.14	0.09	0.07	0.05

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.52	0.35	0.26	0.17	0.47	0.31	0.24	0.16	0.42	0.28	0.21	0.14	0.38	0.26	0.19	0.13	0.33	0.22	0.17	0.11
WRB	0.34	0.23	0.17	0.11	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.25	0.16	0.12	0.08	0.22	0.15	0.11	0.07
WRC	0.22	0.14	0.11	0.07	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06	0.14	0.09	0.07	0.05	0.13	0.08	0.06	0.04

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.47	0.31	0.24	0.16	0.39	0.26	0.20	0.13	0.35	0.23	0.18	0.12	0.33	0.22	0.16	0.11	0.29	0.19	0.15	0.10
WRB	0.31	0.21	0.15	0.10	0.25	0.17	0.13	0.08	0.23	0.15	0.12	0.08	0.22	0.14	0.11	0.07	0.20	0.13	0.10	0.07
WRC	0.20	0.13	0.10	0.07	0.16	0.11	0.08	0.05	0.15	0.10	0.07	0.05	0.12	0.08	0.06	0.04	0.11	0.08	0.06	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT LONGLINE 305

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-29 and ER-I-34 (Refer to Note 20 for ER-I-34 reduction factors)
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.51	1.01	0.76	0.50	1.51	1.01	0.76	0.50	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46	1.26	0.84	0.63	0.42
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.36	0.91	0.68	0.45	1.31	0.87	0.65	0.44	1.18	0.79	0.59	0.39
WRC	1.43	0.95	0.72	0.48	1.43	0.95	0.72	0.48	1.36	0.91	0.68	0.45	1.14	0.76	0.57	0.38	1.03	0.69	0.51	0.34

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.47	0.98	0.73	0.49	1.42	0.95	0.71	0.47	1.36	0.91	0.68	0.45	1.33	0.88	0.66	0.44	1.18	0.79	0.59	0.39
WRB	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44	1.28	0.85	0.64	0.43	1.25	0.83	0.62	0.42	1.13	0.76	0.57	0.38
WRC	1.38	0.92	0.69	0.46	1.34	0.89	0.67	0.45	1.28	0.86	0.64	0.43	1.09	0.72	0.54	0.36	0.99	0.66	0.50	0.33

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.43	0.95	0.71	0.47	1.34	0.89	0.67	0.45	1.29	0.86	0.65	0.43	1.27	0.85	0.63	0.42	1.11	0.74	0.56	0.37
WRB	1.34	0.89	0.67	0.45	1.25	0.84	0.63	0.42	1.21	0.81	0.61	0.40	1.19	0.80	0.60	0.40	1.05	0.70	0.53	0.35
WRC	1.35	0.90	0.67	0.45	1.26	0.84	0.63	0.42	1.22	0.82	0.61	0.41	1.04	0.69	0.52	0.35	0.91	0.60	0.45	0.30

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

LYSAGHT LONGLINE 305 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-29 and ER-I-34 (Refer to Note 20 for ER-I-34 reduction factors)
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	$10 \leq \alpha < 15°$																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.31	0.87	0.66	0.44	1.31	0.87	0.66	0.44	1.25	0.83	0.63	0.42	1.21	0.80	0.60	0.40	1.10	0.72	0.54	0.36
WRB	1.23	0.82	0.62	0.41	1.23	0.82	0.62	0.41	1.17	0.78	0.59	0.39	1.13	0.76	0.57	0.38	1.02	0.68	0.51	0.34
WRC	1.24	0.83	0.62	0.41	1.24	0.83	0.62	0.41	1.18	0.79	0.59	0.39	0.95	0.64	0.48	0.32	0.80	0.53	0.40	0.27

ANGLE TO THE HORIZONTAL	$10 \leq \alpha < 15°$																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.27	0.85	0.63	0.42	1.23	0.82	0.61	0.41	1.18	0.79	0.59	0.39	1.15	0.77	0.58	0.38	1.02	0.68	0.51	0.34
WRB	1.19	0.80	0.60	0.40	1.15	0.77	0.58	0.38	1.11	0.74	0.56	0.37	1.08	0.72	0.54	0.36	0.98	0.66	0.49	0.33
WRC	1.20	0.80	0.60	0.40	1.15	0.76	0.57	0.38	1.04	0.69	0.52	0.35	0.83	0.55	0.41	0.28	0.70	0.47	0.35	0.23

ANGLE TO THE HORIZONTAL	$10 \leq \alpha < 15°$																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.23	0.82	0.62	0.41	1.16	0.77	0.58	0.39	1.12	0.75	0.56	0.37	1.10	0.73	0.55	0.37	0.97	0.65	0.48	0.32
WRB	1.16	0.77	0.58	0.39	1.09	0.72	0.54	0.36	1.05	0.70	0.53	0.35	1.03	0.69	0.52	0.34	0.91	0.60	0.45	0.30
WRC	1.16	0.77	0.58	0.39	0.98	0.65	0.49	0.33	0.88	0.58	0.44	0.29	0.71	0.48	0.36	0.24	0.59	0.40	0.30	0.20

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

LYSAGHT LONGLINE 305 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-29 and ER-I-34 (Refer to Note 20 for ER-I-34 reduction factors)
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.20	0.80	0.60	0.40	1.20	0.80	0.60	0.40	1.14	0.76	0.57	0.38	1.11	0.74	0.55	0.37	1.00	0.67	0.50	0.33
WRB	1.13	0.75	0.56	0.38	1.13	0.75	0.56	0.38	1.08	0.72	0.54	0.36	1.01	0.67	0.50	0.34	0.85	0.57	0.43	0.28
WRC	1.01	0.67	0.50	0.34	1.01	0.67	0.50	0.34	0.89	0.59	0.45	0.30	0.69	0.46	0.34	0.23	0.56	0.38	0.28	0.19

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.16	0.78	0.58	0.39	1.13	0.75	0.56	0.38	1.08	0.72	0.54	0.36	1.06	0.70	0.53	0.35	0.94	0.62	0.47	0.31
WRB	1.09	0.73	0.55	0.36	1.05	0.70	0.53	0.35	0.95	0.64	0.48	0.32	0.89	0.60	0.45	0.30	0.77	0.51	0.39	0.26
WRC	0.93	0.62	0.47	0.31	0.84	0.56	0.42	0.28	0.75	0.50	0.37	0.25	0.59	0.40	0.30	0.20	0.50	0.33	0.25	0.17

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.13	0.75	0.57	0.38	1.06	0.71	0.53	0.35	1.03	0.68	0.51	0.34	1.01	0.67	0.50	0.34	0.87	0.58	0.44	0.29
WRB	1.06	0.71	0.53	0.35	0.91	0.60	0.45	0.30	0.83	0.56	0.42	0.28	0.79	0.53	0.40	0.26	0.67	0.44	0.33	0.22
WRC	0.85	0.57	0.43	0.28	0.69	0.46	0.35	0.23	0.63	0.42	0.32	0.21	0.51	0.34	0.26	0.17	0.43	0.28	0.21	0.14

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

LYSAGHT LONGLINE 305 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-29 and ER-I-34 (Refer to Note 20 for ER-I-34 reduction factors)
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.08	0.72	0.54	0.36	1.08	0.72	0.54	0.36	1.03	0.68	0.51	0.34	0.96	0.64	0.48	0.32	0.81	0.54	0.41	0.27
WRB	0.91	0.61	0.46	0.30	0.91	0.61	0.46	0.30	0.79	0.52	0.39	0.26	0.70	0.47	0.35	0.23	0.58	0.38	0.29	0.19
WRC	0.68	0.45	0.34	0.23	0.68	0.45	0.34	0.23	0.58	0.39	0.29	0.19	0.45	0.30	0.22	0.15	0.37	0.25	0.18	0.12

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.04	0.70	0.52	0.35	1.01	0.67	0.50	0.34	0.91	0.61	0.46	0.30	0.85	0.57	0.43	0.28	0.70	0.47	0.35	0.23
WRB	0.83	0.55	0.41	0.28	0.74	0.49	0.37	0.25	0.65	0.44	0.33	0.22	0.60	0.40	0.30	0.20	0.51	0.34	0.25	0.17
WRC	0.61	0.41	0.30	0.20	0.55	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.39	0.26	0.19	0.13	0.33	0.22	0.16	0.11

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.01	0.68	0.51	0.34	0.86	0.58	0.43	0.29	0.78	0.52	0.39	0.26	0.73	0.49	0.37	0.24	0.61	0.41	0.30	0.20
WRB	0.75	0.50	0.37	0.25	0.61	0.41	0.31	0.20	0.55	0.37	0.28	0.18	0.52	0.35	0.26	0.17	0.43	0.29	0.22	0.14
WRC	0.55	0.37	0.28	0.18	0.45	0.30	0.23	0.15	0.41	0.27	0.20	0.14	0.33	0.22	0.17	0.11	0.28	0.19	0.14	0.09

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

LYSAGHT LONGLINE 305 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-29 and ER-I-34 (Refer to Note 20 for ER-I-34 reduction factors)
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.91	0.60	0.45	0.30	0.91	0.60	0.45	0.30	0.78	0.52	0.39	0.26	0.69	0.46	0.34	0.23	0.56	0.38	0.28	0.19
WRB	0.64	0.43	0.32	0.21	0.64	0.43	0.32	0.21	0.55	0.36	0.27	0.18	0.49	0.32	0.24	0.16	0.40	0.27	0.20	0.13
WRC	0.48	0.32	0.24	0.16	0.48	0.32	0.24	0.16	0.41	0.27	0.20	0.14	0.32	0.21	0.16	0.11	0.26	0.18	0.13	0.09

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.82	0.55	0.41	0.27	0.73	0.49	0.37	0.24	0.64	0.43	0.32	0.21	0.59	0.39	0.29	0.20	0.49	0.33	0.24	0.16
WRB	0.57	0.38	0.29	0.19	0.52	0.35	0.26	0.17	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14	0.36	0.24	0.18	0.12
WRC	0.43	0.29	0.22	0.14	0.38	0.26	0.19	0.13	0.35	0.23	0.17	0.12	0.27	0.18	0.14	0.09	0.23	0.15	0.12	0.08

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.74	0.49	0.37	0.25	0.60	0.40	0.30	0.20	0.54	0.36	0.27	0.18	0.51	0.34	0.26	0.17	0.43	0.29	0.21	0.14
WRB	0.53	0.35	0.26	0.18	0.43	0.28	0.21	0.14	0.39	0.26	0.19	0.13	0.37	0.24	0.18	0.12	0.31	0.20	0.15	0.10
WRC	0.39	0.26	0.20	0.13	0.32	0.22	0.16	0.11	0.29	0.19	0.15	0.10	0.24	0.16	0.12	0.08	0.20	0.13	0.10	0.07

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

LYSAGHT LONGLINE 305 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-29 and ER-I-34 (Refer to Note 20 for ER-I-34 reduction factors)
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.66	0.44	0.33	0.22	0.66	0.44	0.33	0.22	0.56	0.38	0.28	0.19	0.50	0.33	0.25	0.17	0.41	0.27	0.21	0.14
WRB	0.47	0.31	0.23	0.16	0.47	0.31	0.23	0.16	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12	0.29	0.20	0.15	0.10
WRC	0.35	0.23	0.17	0.12	0.35	0.23	0.17	0.12	0.30	0.20	0.15	0.10	0.23	0.16	0.12	0.08	0.19	0.13	0.10	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.59	0.39	0.29	0.20	0.53	0.35	0.27	0.18	0.47	0.31	0.23	0.16	0.43	0.29	0.22	0.14	0.36	0.24	0.18	0.12
WRB	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13	0.33	0.22	0.17	0.11	0.31	0.20	0.15	0.10	0.26	0.18	0.13	0.09
WRC	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08	0.20	0.13	0.10	0.07	0.17	0.11	0.08	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.54	0.36	0.27	0.18	0.44	0.29	0.22	0.15	0.39	0.26	0.20	0.13	0.38	0.25	0.19	0.13	0.31	0.21	0.15	0.10
WRB	0.38	0.25	0.19	0.13	0.31	0.21	0.16	0.10	0.29	0.19	0.14	0.10	0.27	0.18	0.13	0.09	0.22	0.15	0.11	0.07
WRC	0.28	0.19	0.14	0.09	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07	0.17	0.12	0.09	0.06	0.15	0.10	0.08	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 700

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.64	1.09	0.82	0.55
WRB	1.63	1.09	0.82	0.54	1.63	1.09	0.82	0.54	1.48	0.99	0.74	0.49	1.37	0.91	0.68	0.46	1.25	0.84	0.63	0.42
WRC	1.31	0.87	0.65	0.44	1.31	0.87	0.65	0.44	1.17	0.78	0.59	0.39	0.87	0.58	0.44	0.29	0.79	0.52	0.39	0.26

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.68	1.12	0.84	0.56	1.52	1.01	0.76	0.51
WRB	1.53	1.02	0.77	0.51	1.42	0.95	0.71	0.47	1.31	0.87	0.65	0.44	1.24	0.83	0.62	0.41	1.15	0.76	0.57	0.38
WRC	1.21	0.81	0.61	0.40	1.12	0.75	0.56	0.37	1.02	0.68	0.51	0.34	0.77	0.52	0.39	0.26	0.72	0.48	0.36	0.24

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.70	1.14	0.85	0.57	1.59	1.06	0.80	0.53	1.54	1.02	0.77	0.51	1.40	0.93	0.70	0.47
WRB	1.44	0.96	0.72	0.48	1.25	0.84	0.63	0.42	1.17	0.78	0.58	0.39	1.12	0.74	0.56	0.37	1.05	0.70	0.53	0.35
WRC	1.13	0.75	0.57	0.38	0.98	0.65	0.49	0.33	0.90	0.60	0.45	0.30	0.69	0.46	0.35	0.23	0.65	0.44	0.33	0.22

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.66	1.10	0.83	0.55	1.66	1.10	0.83	0.55	1.50	1.00	0.75	0.50	1.39	0.93	0.70	0.46	1.22	0.82	0.61	0.41
WRB	1.22	0.81	0.61	0.41	1.22	0.81	0.61	0.41	1.09	0.73	0.55	0.36	1.01	0.67	0.50	0.34	0.91	0.61	0.45	0.30
WRC	0.94	0.63	0.47	0.31	0.94	0.63	0.47	0.31	0.84	0.56	0.42	0.28	0.62	0.41	0.31	0.21	0.55	0.37	0.28	0.18

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.55	1.03	0.78	0.52	1.45	0.97	0.72	0.48	1.33	0.89	0.66	0.44	1.26	0.84	0.63	0.42	1.12	0.75	0.56	0.37
WRB	1.13	0.75	0.57	0.38	1.05	0.70	0.52	0.35	0.95	0.64	0.48	0.32	0.89	0.59	0.45	0.30	0.83	0.55	0.42	0.28
WRC	0.88	0.58	0.44	0.29	0.80	0.53	0.40	0.27	0.73	0.48	0.36	0.24	0.54	0.36	0.27	0.18	0.49	0.32	0.24	0.16

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.46	0.97	0.73	0.49	1.27	0.85	0.64	0.42	1.18	0.79	0.59	0.39	1.13	0.75	0.56	0.38	1.03	0.69	0.52	0.34
WRB	1.05	0.70	0.53	0.35	0.91	0.61	0.45	0.30	0.84	0.56	0.42	0.28	0.80	0.53	0.40	0.27	0.75	0.50	0.38	0.25
WRC	0.81	0.54	0.40	0.27	0.69	0.46	0.34	0.23	0.61	0.41	0.31	0.20	0.47	0.31	0.23	0.16	0.43	0.29	0.22	0.14

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.30	0.86	0.65	0.43	1.30	0.86	0.65	0.43	1.17	0.78	0.58	0.39	1.07	0.71	0.54	0.36	0.94	0.63	0.47	0.31
WRB	0.93	0.62	0.47	0.31	0.93	0.62	0.47	0.31	0.83	0.55	0.42	0.28	0.76	0.51	0.38	0.25	0.68	0.46	0.34	0.23
WRC	0.71	0.47	0.36	0.24	0.71	0.47	0.36	0.24	0.63	0.42	0.31	0.21	0.45	0.30	0.22	0.15	0.39	0.26	0.20	0.13

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.21	0.81	0.60	0.40	1.12	0.75	0.56	0.37	1.02	0.68	0.51	0.34	0.96	0.64	0.48	0.32	0.85	0.57	0.43	0.28
WRB	0.86	0.57	0.43	0.29	0.79	0.53	0.40	0.26	0.72	0.48	0.36	0.24	0.67	0.45	0.33	0.22	0.62	0.41	0.31	0.21
WRC	0.65	0.44	0.33	0.22	0.59	0.39	0.29	0.20	0.52	0.35	0.26	0.17	0.39	0.26	0.19	0.13	0.35	0.23	0.17	0.12

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.13	0.75	0.56	0.38	0.98	0.65	0.49	0.33	0.90	0.60	0.45	0.30	0.86	0.57	0.43	0.29	0.78	0.52	0.39	0.26
WRB	0.80	0.53	0.40	0.27	0.68	0.46	0.34	0.23	0.63	0.42	0.32	0.21	0.60	0.40	0.30	0.20	0.55	0.37	0.28	0.18
WRC	0.60	0.40	0.30	0.20	0.49	0.33	0.24	0.16	0.44	0.29	0.22	0.15	0.33	0.22	0.17	0.11	0.31	0.20	0.15	0.10

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.98	0.65	0.49	0.33	0.98	0.65	0.49	0.33	0.87	0.58	0.44	0.29	0.80	0.53	0.40	0.27	0.69	0.46	0.35	0.23
WRB	0.69	0.46	0.35	0.23	0.69	0.46	0.35	0.23	0.59	0.39	0.30	0.20	0.52	0.35	0.26	0.17	0.46	0.31	0.23	0.15
WRC	0.47	0.31	0.24	0.16	0.47	0.31	0.24	0.16	0.40	0.27	0.20	0.13	0.29	0.20	0.15	0.10	0.26	0.17	0.13	0.09

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.91	0.61	0.46	0.30	0.84	0.56	0.42	0.28	0.76	0.51	0.38	0.25	0.70	0.47	0.35	0.23	0.61	0.41	0.30	0.20
WRB	0.62	0.42	0.31	0.21	0.55	0.37	0.28	0.18	0.49	0.33	0.25	0.16	0.45	0.30	0.23	0.15	0.41	0.27	0.20	0.14
WRC	0.43	0.29	0.21	0.14	0.39	0.26	0.19	0.13	0.34	0.23	0.17	0.11	0.25	0.17	0.13	0.08	0.23	0.15	0.11	0.08

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.85	0.57	0.42	0.28	0.72	0.48	0.36	0.24	0.65	0.43	0.32	0.22	0.61	0.41	0.30	0.20	0.55	0.36	0.27	0.18
WRB	0.56	0.37	0.28	0.19	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14	0.39	0.26	0.20	0.13	0.36	0.24	0.18	0.12
WRC	0.39	0.26	0.19	0.13	0.32	0.21	0.16	0.11	0.29	0.19	0.14	0.10	0.22	0.15	0.11	0.07	0.21	0.14	0.10	0.07

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.76	0.51	0.38	0.25	0.76	0.51	0.38	0.25	0.65	0.43	0.32	0.22	0.58	0.38	0.29	0.19	0.48	0.32	0.24	0.16
WRB	0.48	0.32	0.24	0.16	0.48	0.32	0.24	0.16	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12	0.32	0.22	0.16	0.11
WRC	0.33	0.22	0.17	0.11	0.33	0.22	0.17	0.11	0.29	0.19	0.14	0.10	0.21	0.14	0.10	0.07	0.18	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.68	0.45	0.34	0.23	0.61	0.41	0.30	0.20	0.54	0.36	0.27	0.18	0.50	0.33	0.25	0.17	0.43	0.29	0.22	0.14
WRB	0.43	0.29	0.22	0.14	0.39	0.26	0.20	0.13	0.35	0.23	0.17	0.12	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09
WRC	0.31	0.20	0.15	0.10	0.27	0.18	0.14	0.09	0.24	0.16	0.12	0.08	0.18	0.12	0.09	0.06	0.16	0.11	0.08	0.05

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.62	0.41	0.31	0.21	0.50	0.34	0.25	0.17	0.46	0.30	0.23	0.15	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13
WRB	0.39	0.26	0.20	0.13	0.32	0.22	0.16	0.11	0.29	0.19	0.15	0.10	0.28	0.18	0.14	0.09	0.25	0.17	0.13	0.08
WRC	0.27	0.18	0.14	0.09	0.22	0.15	0.11	0.07	0.21	0.14	0.10	0.07	0.16	0.11	0.08	0.05	0.15	0.10	0.07	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.54	0.36	0.27	0.18	0.54	0.36	0.27	0.18	0.47	0.31	0.24	0.16	0.42	0.28	0.21	0.14	0.35	0.24	0.18	0.12
WRB	0.35	0.24	0.18	0.12	0.35	0.24	0.18	0.12	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.24	0.16	0.12	0.08
WRC	0.25	0.17	0.12	0.08	0.25	0.17	0.12	0.08	0.21	0.14	0.11	0.07	0.15	0.10	0.08	0.05	0.13	0.09	0.07	0.04

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.50	0.33	0.25	0.17	0.44	0.29	0.22	0.15	0.39	0.26	0.20	0.13	0.36	0.24	0.18	0.12	0.32	0.21	0.16	0.11
WRB	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08	0.23	0.15	0.12	0.08	0.21	0.14	0.10	0.07
WRC	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06	0.13	0.09	0.07	0.04	0.12	0.08	0.06	0.04

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.45	0.30	0.22	0.15	0.37	0.25	0.18	0.12	0.33	0.22	0.16	0.11	0.31	0.21	0.16	0.10	0.28	0.18	0.14	0.09
WRB	0.29	0.19	0.15	0.10	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07	0.20	0.13	0.10	0.07	0.19	0.13	0.10	0.06
WRC	0.21	0.14	0.10	0.07	0.17	0.11	0.08	0.06	0.15	0.10	0.07	0.05	0.11	0.08	0.06	0.04	0.11	0.07	0.05	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK 500

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.42	0.95	0.71	0.47
WRC	1.46	0.97	0.73	0.49	1.46	0.97	0.73	0.49	1.31	0.87	0.65	0.44	0.99	0.66	0.49	0.33	0.89	0.60	0.45	0.30

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.40	0.93	0.70	0.47	1.30	0.87	0.65	0.43
WRC	1.36	0.91	0.68	0.45	1.25	0.83	0.63	0.42	1.15	0.76	0.57	0.38	0.88	0.59	0.44	0.29	0.81	0.54	0.41	0.27

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.42	0.95	0.71	0.47	1.32	0.88	0.66	0.44	1.26	0.84	0.63	0.42	1.19	0.79	0.60	0.40
WRC	1.26	0.84	0.63	0.42	1.09	0.73	0.54	0.36	1.01	0.67	0.50	0.34	0.79	0.52	0.39	0.26	0.74	0.49	0.37	0.25

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.60	1.07	0.80	0.53	1.54	1.03	0.77	0.51	1.38	0.92	0.69	0.46
WRB	1.38	0.92	0.69	0.46	1.38	0.92	0.69	0.46	1.24	0.83	0.62	0.41	1.14	0.76	0.57	0.38	1.03	0.69	0.52	0.34
WRC	1.05	0.70	0.52	0.35	1.05	0.70	0.52	0.35	0.93	0.62	0.47	0.31	0.70	0.47	0.35	0.23	0.63	0.42	0.31	0.21

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.57	1.05	0.78	0.52	1.50	1.00	0.75	0.50	1.42	0.94	0.71	0.47	1.27	0.85	0.63	0.42
WRB	1.28	0.86	0.64	0.43	1.18	0.79	0.59	0.39	1.08	0.72	0.54	0.36	1.02	0.68	0.51	0.34	0.94	0.63	0.47	0.31
WRC	0.98	0.65	0.49	0.33	0.89	0.60	0.45	0.30	0.81	0.54	0.41	0.27	0.61	0.41	0.31	0.20	0.55	0.37	0.28	0.18

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.58	1.05	0.79	0.53	1.44	0.96	0.72	0.48	1.34	0.89	0.67	0.45	1.28	0.85	0.64	0.43	1.16	0.77	0.58	0.39
WRB	1.19	0.79	0.60	0.40	1.03	0.69	0.52	0.34	0.95	0.64	0.48	0.32	0.91	0.61	0.45	0.30	0.85	0.57	0.43	0.28
WRC	0.90	0.60	0.45	0.30	0.76	0.51	0.38	0.25	0.68	0.46	0.34	0.23	0.53	0.35	0.26	0.18	0.49	0.32	0.24	0.16

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.46	0.98	0.73	0.49	1.46	0.98	0.73	0.49	1.32	0.88	0.66	0.44	1.22	0.81	0.61	0.41	1.06	0.71	0.53	0.35
WRB	1.05	0.70	0.53	0.35	1.05	0.70	0.53	0.35	0.94	0.63	0.47	0.31	0.86	0.57	0.43	0.29	0.78	0.52	0.39	0.26
WRC	0.79	0.53	0.39	0.26	0.79	0.53	0.39	0.26	0.70	0.47	0.35	0.23	0.51	0.34	0.25	0.17	0.45	0.30	0.22	0.15

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.37	0.91	0.68	0.46	1.26	0.84	0.63	0.42	1.15	0.77	0.58	0.38	1.08	0.72	0.54	0.36	0.96	0.64	0.48	0.32
WRB	0.98	0.65	0.49	0.33	0.90	0.60	0.45	0.30	0.82	0.54	0.41	0.27	0.76	0.51	0.38	0.25	0.70	0.47	0.35	0.23
WRC	0.72	0.48	0.36	0.24	0.66	0.44	0.33	0.22	0.58	0.38	0.29	0.19	0.43	0.29	0.22	0.14	0.39	0.26	0.20	0.13

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.27	0.85	0.64	0.42	1.10	0.74	0.55	0.37	1.02	0.68	0.51	0.34	0.97	0.65	0.48	0.32	0.88	0.58	0.44	0.29
WRB	0.91	0.61	0.45	0.30	0.78	0.52	0.39	0.26	0.71	0.47	0.35	0.24	0.68	0.45	0.34	0.23	0.63	0.42	0.32	0.21
WRC	0.67	0.44	0.33	0.22	0.54	0.36	0.27	0.18	0.49	0.33	0.24	0.16	0.38	0.25	0.19	0.13	0.35	0.24	0.18	0.12

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.11	0.74	0.56	0.37	1.11	0.74	0.56	0.37	0.99	0.66	0.50	0.33	0.90	0.60	0.45	0.30	0.78	0.52	0.39	0.26
WRB	0.78	0.52	0.39	0.26	0.78	0.52	0.39	0.26	0.67	0.45	0.33	0.22	0.59	0.39	0.30	0.20	0.52	0.35	0.26	0.17
WRC	0.53	0.35	0.26	0.18	0.53	0.35	0.26	0.18	0.46	0.30	0.23	0.15	0.33	0.22	0.17	0.11	0.29	0.20	0.15	0.10

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.03	0.69	0.52	0.34	0.94	0.63	0.47	0.31	0.86	0.58	0.43	0.29	0.80	0.53	0.40	0.27	0.69	0.46	0.35	0.23
WRB	0.70	0.47	0.35	0.23	0.63	0.42	0.32	0.21	0.55	0.37	0.28	0.18	0.51	0.34	0.25	0.17	0.46	0.31	0.23	0.15
WRC	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.38	0.25	0.19	0.13	0.29	0.19	0.14	0.10	0.26	0.17	0.13	0.09

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.96	0.64	0.48	0.32	0.82	0.54	0.41	0.27	0.74	0.49	0.37	0.25	0.69	0.46	0.34	0.23	0.62	0.41	0.31	0.21
WRB	0.64	0.43	0.32	0.21	0.52	0.35	0.26	0.17	0.47	0.31	0.23	0.16	0.44	0.29	0.22	0.15	0.41	0.27	0.20	0.14
WRC	0.43	0.29	0.22	0.14	0.36	0.24	0.18	0.12	0.33	0.22	0.16	0.11	0.25	0.16	0.12	0.08	0.23	0.16	0.12	0.08

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.86	0.57	0.43	0.29	0.86	0.57	0.43	0.29	0.74	0.49	0.37	0.25	0.65	0.43	0.32	0.22	0.55	0.36	0.27	0.18
WRB	0.55	0.36	0.27	0.18	0.55	0.36	0.27	0.18	0.47	0.31	0.23	0.16	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12
WRC	0.37	0.25	0.19	0.12	0.37	0.25	0.19	0.12	0.32	0.21	0.16	0.11	0.23	0.16	0.12	0.08	0.21	0.14	0.10	0.07

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.77	0.51	0.38	0.26	0.69	0.46	0.34	0.23	0.61	0.41	0.30	0.20	0.56	0.37	0.28	0.19	0.48	0.32	0.24	0.16
WRB	0.49	0.33	0.25	0.16	0.44	0.29	0.22	0.15	0.39	0.26	0.20	0.13	0.36	0.24	0.18	0.12	0.32	0.22	0.16	0.11
WRC	0.33	0.22	0.17	0.11	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.20	0.13	0.10	0.07	0.19	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.70	0.46	0.35	0.23	0.57	0.38	0.28	0.19	0.51	0.34	0.26	0.17	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14
WRB	0.45	0.30	0.22	0.15	0.37	0.25	0.18	0.12	0.33	0.22	0.17	0.11	0.32	0.21	0.16	0.11	0.29	0.19	0.15	0.10
WRC	0.31	0.21	0.15	0.10	0.25	0.17	0.13	0.08	0.23	0.15	0.11	0.08	0.18	0.12	0.09	0.06	0.17	0.11	0.08	0.06

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STRAMIT SPEED DECK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-09 and ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.62	0.41	0.31	0.21	0.62	0.41	0.31	0.21	0.53	0.35	0.26	0.18	0.47	0.31	0.24	0.16	0.40	0.27	0.20	0.13
WRB	0.39	0.26	0.20	0.13	0.39	0.26	0.20	0.13	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10	0.27	0.18	0.13	0.09
WRC	0.27	0.18	0.13	0.09	0.27	0.18	0.13	0.09	0.24	0.16	0.12	0.08	0.17	0.12	0.09	0.06	0.15	0.10	0.08	0.05

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.56	0.37	0.28	0.19	0.50	0.34	0.25	0.17	0.44	0.29	0.22	0.15	0.41	0.27	0.20	0.14	0.35	0.24	0.18	0.12
WRB	0.36	0.24	0.18	0.12	0.32	0.22	0.16	0.11	0.28	0.19	0.14	0.09	0.26	0.17	0.13	0.09	0.24	0.16	0.12	0.08
WRC	0.24	0.16	0.12	0.08	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07	0.15	0.10	0.07	0.05	0.13	0.09	0.07	0.04

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.50	0.34	0.25	0.17	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13	0.35	0.23	0.18	0.12	0.32	0.21	0.16	0.11
WRB	0.32	0.22	0.16	0.11	0.27	0.18	0.13	0.09	0.25	0.16	0.12	0.08	0.23	0.15	0.12	0.08	0.22	0.14	0.11	0.07
WRC	0.23	0.15	0.11	0.08	0.19	0.12	0.09	0.06	0.17	0.11	0.09	0.06	0.13	0.09	0.07	0.04	0.12	0.08	0.06	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REV-KLIP 700

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.52	1.01	0.76	0.51	1.52	1.01	0.76	0.51	1.44	0.96	0.72	0.48	1.14	0.76	0.57	0.38	1.03	0.69	0.52	0.34

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.47	0.98	0.73	0.49	1.42	0.95	0.71	0.47	1.33	0.89	0.67	0.44	1.01	0.68	0.51	0.34	0.94	0.63	0.47	0.31

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.35	0.90	0.67	0.45
WRC	1.43	0.95	0.71	0.48	1.27	0.84	0.63	0.42	1.17	0.78	0.58	0.39	0.91	0.61	0.46	0.30	0.86	0.57	0.43	0.29

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REV-KLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.60	1.07	0.80	0.53	1.54	1.03	0.77	0.51	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.31	0.87	0.65	0.44	1.19	0.79	0.60	0.40
WRC	1.22	0.82	0.61	0.41	1.22	0.82	0.61	0.41	1.09	0.72	0.54	0.36	0.81	0.54	0.41	0.27	0.72	0.48	0.36	0.24

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.57	1.05	0.78	0.52	1.51	1.01	0.76	0.50	1.47	0.98	0.74	0.49	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44	1.25	0.84	0.63	0.42	1.18	0.78	0.59	0.39	1.08	0.72	0.54	0.36
WRC	1.13	0.76	0.57	0.38	1.04	0.69	0.52	0.35	0.94	0.63	0.47	0.31	0.71	0.47	0.35	0.24	0.63	0.42	0.32	0.21

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.58	1.05	0.79	0.53	1.48	0.99	0.74	0.49	1.43	0.95	0.72	0.48	1.41	0.94	0.70	0.47	1.32	0.88	0.66	0.44
WRB	1.34	0.89	0.67	0.45	1.19	0.79	0.60	0.40	1.10	0.73	0.55	0.37	1.05	0.70	0.53	0.35	0.99	0.66	0.50	0.33
WRC	1.05	0.70	0.53	0.35	0.88	0.59	0.44	0.29	0.79	0.53	0.40	0.26	0.61	0.41	0.31	0.20	0.57	0.38	0.28	0.19

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

REV-KLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.02	0.77	0.51	1.54	1.02	0.77	0.51	1.46	0.98	0.73	0.49	1.41	0.94	0.70	0.47	1.22	0.82	0.61	0.41
WRB	1.22	0.81	0.61	0.41	1.22	0.81	0.61	0.41	1.08	0.72	0.54	0.36	0.99	0.66	0.50	0.33	0.89	0.59	0.45	0.30
WRC	0.91	0.61	0.46	0.30	0.91	0.61	0.46	0.30	0.81	0.54	0.40	0.27	0.59	0.39	0.29	0.20	0.51	0.34	0.26	0.17

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.49	0.99	0.74	0.50	1.44	0.96	0.72	0.48	1.34	0.89	0.67	0.45	1.26	0.84	0.63	0.42	1.12	0.74	0.56	0.37
WRB	1.13	0.75	0.57	0.38	1.04	0.69	0.52	0.35	0.95	0.63	0.47	0.32	0.88	0.58	0.44	0.29	0.81	0.54	0.40	0.27
WRC	0.84	0.56	0.42	0.28	0.76	0.51	0.38	0.25	0.67	0.45	0.33	0.22	0.51	0.34	0.25	0.17	0.45	0.30	0.23	0.15

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.45	0.97	0.72	0.48	1.27	0.85	0.64	0.42	1.18	0.78	0.59	0.39	1.13	0.75	0.56	0.38	1.02	0.68	0.51	0.34
WRB	1.05	0.70	0.52	0.35	0.89	0.59	0.45	0.30	0.82	0.55	0.41	0.27	0.78	0.52	0.39	0.26	0.73	0.49	0.37	0.24
WRC	0.78	0.52	0.39	0.26	0.63	0.42	0.31	0.21	0.57	0.38	0.29	0.19	0.44	0.29	0.22	0.15	0.41	0.27	0.20	0.14

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

REV-KLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.28	0.85	0.64	0.43	1.28	0.85	0.64	0.43	1.14	0.76	0.57	0.38	1.05	0.70	0.52	0.35	0.91	0.61	0.45	0.30
WRB	0.90	0.60	0.45	0.30	0.90	0.60	0.45	0.30	0.78	0.52	0.39	0.26	0.68	0.46	0.34	0.23	0.60	0.40	0.30	0.20
WRC	0.61	0.41	0.31	0.20	0.61	0.41	0.31	0.20	0.53	0.35	0.27	0.18	0.39	0.26	0.19	0.13	0.34	0.23	0.17	0.11

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.19	0.79	0.60	0.40	1.10	0.73	0.55	0.37	0.99	0.66	0.50	0.33	0.93	0.62	0.46	0.31	0.80	0.53	0.40	0.27
WRB	0.82	0.54	0.41	0.27	0.73	0.49	0.37	0.24	0.65	0.43	0.32	0.22	0.59	0.39	0.30	0.20	0.53	0.35	0.27	0.18
WRC	0.56	0.37	0.28	0.19	0.50	0.33	0.25	0.17	0.44	0.29	0.22	0.15	0.33	0.22	0.17	0.11	0.30	0.20	0.15	0.10

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.10	0.74	0.55	0.37	0.94	0.63	0.47	0.31	0.85	0.57	0.42	0.28	0.80	0.53	0.40	0.27	0.71	0.47	0.35	0.24
WRB	0.74	0.49	0.37	0.25	0.60	0.40	0.30	0.20	0.55	0.36	0.27	0.18	0.51	0.34	0.25	0.17	0.48	0.32	0.24	0.16
WRC	0.51	0.34	0.25	0.17	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13	0.29	0.19	0.14	0.10	0.27	0.18	0.13	0.09

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REV-KLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.99	0.66	0.50	0.33	0.99	0.66	0.50	0.33	0.85	0.57	0.42	0.28	0.75	0.50	0.38	0.25	0.63	0.42	0.32	0.21
WRB	0.63	0.42	0.32	0.21	0.63	0.42	0.32	0.21	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16	0.42	0.28	0.21	0.14
WRC	0.43	0.29	0.22	0.14	0.43	0.29	0.22	0.14	0.38	0.25	0.19	0.13	0.27	0.18	0.14	0.09	0.24	0.16	0.12	0.08

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.90	0.60	0.45	0.30	0.80	0.53	0.40	0.27	0.70	0.47	0.35	0.23	0.65	0.43	0.32	0.22	0.56	0.37	0.28	0.19
WRB	0.57	0.38	0.28	0.19	0.51	0.34	0.25	0.17	0.45	0.30	0.23	0.15	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13
WRC	0.39	0.26	0.20	0.13	0.35	0.23	0.18	0.12	0.31	0.21	0.16	0.10	0.23	0.16	0.12	0.08	0.21	0.14	0.11	0.07

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.81	0.54	0.40	0.27	0.66	0.44	0.33	0.22	0.59	0.39	0.30	0.20	0.56	0.37	0.28	0.19	0.50	0.33	0.25	0.17
WRB	0.52	0.34	0.26	0.17	0.42	0.28	0.21	0.14	0.38	0.26	0.19	0.13	0.36	0.24	0.18	0.12	0.34	0.23	0.17	0.11
WRC	0.36	0.24	0.18	0.12	0.29	0.20	0.15	0.10	0.26	0.17	0.13	0.09	0.21	0.14	0.10	0.07	0.19	0.12	0.09	0.06

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REV-KLIP 700 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.71	0.47	0.36	0.24	0.71	0.47	0.36	0.24	0.62	0.41	0.31	0.21	0.54	0.36	0.27	0.18	0.46	0.31	0.23	0.15
WRB	0.46	0.31	0.23	0.15	0.46	0.31	0.23	0.15	0.39	0.26	0.20	0.13	0.35	0.24	0.18	0.12	0.31	0.21	0.15	0.10
WRC	0.32	0.21	0.16	0.11	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09	0.20	0.13	0.10	0.07	0.17	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.65	0.43	0.32	0.22	0.58	0.38	0.29	0.19	0.51	0.34	0.26	0.17	0.47	0.31	0.24	0.16	0.41	0.27	0.20	0.14
WRB	0.42	0.28	0.21	0.14	0.38	0.25	0.19	0.13	0.33	0.22	0.17	0.11	0.31	0.21	0.15	0.10	0.28	0.18	0.14	0.09
WRC	0.29	0.19	0.14	0.10	0.26	0.17	0.13	0.09	0.23	0.15	0.11	0.08	0.17	0.12	0.09	0.06	0.16	0.11	0.08	0.05

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.58	0.39	0.29	0.19	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.41	0.27	0.20	0.14	0.36	0.24	0.18	0.12
WRB	0.38	0.25	0.19	0.13	0.31	0.21	0.15	0.10	0.28	0.19	0.14	0.09	0.26	0.17	0.13	0.09	0.25	0.16	0.12	0.08
WRC	0.26	0.17	0.13	0.09	0.21	0.14	0.11	0.07	0.20	0.13	0.10	0.07	0.15	0.10	0.08	0.05	0.14	0.09	0.07	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 500

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.60	1.07	0.80	0.53	1.60	1.07	0.80	0.53	1.47	0.98	0.74	0.49	1.38	0.92	0.69	0.46	1.22	0.82	0.61	0.41
WRB	1.22	0.81	0.61	0.41	1.22	0.81	0.61	0.41	1.11	0.74	0.55	0.37	1.03	0.69	0.52	0.34	0.94	0.63	0.47	0.31
WRC	0.91	0.61	0.45	0.30	0.91	0.61	0.45	0.30	0.82	0.55	0.41	0.27	0.65	0.44	0.33	0.22	0.59	0.40	0.30	0.20

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.51	1.01	0.76	0.50	1.42	0.95	0.71	0.47	1.33	0.89	0.66	0.44	1.26	0.84	0.63	0.42	1.13	0.75	0.57	0.38
WRB	1.15	0.76	0.57	0.38	1.07	0.71	0.53	0.36	0.98	0.66	0.49	0.33	0.92	0.62	0.46	0.31	0.86	0.57	0.43	0.29
WRC	0.85	0.56	0.42	0.28	0.78	0.52	0.39	0.26	0.72	0.48	0.36	0.24	0.58	0.39	0.29	0.19	0.54	0.36	0.27	0.18

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.43	0.95	0.72	0.48	1.27	0.85	0.64	0.42	1.19	0.79	0.60	0.40	1.15	0.77	0.58	0.38	1.05	0.70	0.52	0.35
WRB	1.08	0.72	0.54	0.36	0.94	0.63	0.47	0.31	0.88	0.58	0.44	0.29	0.84	0.56	0.42	0.28	0.79	0.53	0.40	0.26
WRC	0.79	0.53	0.40	0.26	0.68	0.46	0.34	0.23	0.63	0.42	0.32	0.21	0.52	0.35	0.26	0.17	0.49	0.33	0.25	0.16

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.24	0.83	0.62	0.41	1.24	0.83	0.62	0.41	1.13	0.75	0.56	0.38	1.04	0.69	0.52	0.35	0.92	0.61	0.46	0.31
WRB	0.91	0.61	0.45	0.30	0.91	0.61	0.45	0.30	0.82	0.55	0.41	0.27	0.75	0.50	0.38	0.25	0.68	0.46	0.34	0.23
WRC	0.66	0.44	0.33	0.22	0.66	0.44	0.33	0.22	0.58	0.39	0.29	0.19	0.47	0.31	0.23	0.16	0.41	0.28	0.21	0.14

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.16	0.77	0.58	0.39	1.08	0.72	0.54	0.36	0.99	0.66	0.50	0.33	0.94	0.62	0.47	0.31	0.84	0.56	0.42	0.28
WRB	0.85	0.56	0.42	0.28	0.78	0.52	0.39	0.26	0.72	0.48	0.36	0.24	0.67	0.45	0.33	0.22	0.62	0.42	0.31	0.21
WRC	0.61	0.41	0.30	0.20	0.56	0.37	0.28	0.19	0.51	0.34	0.25	0.17	0.41	0.27	0.20	0.14	0.37	0.24	0.18	0.12

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.09	0.73	0.54	0.36	0.95	0.63	0.48	0.32	0.89	0.59	0.44	0.30	0.85	0.57	0.42	0.28	0.77	0.51	0.38	0.26
WRB	0.79	0.53	0.40	0.26	0.68	0.46	0.34	0.23	0.63	0.42	0.32	0.21	0.60	0.40	0.30	0.20	0.57	0.38	0.28	0.19
WRC	0.57	0.38	0.28	0.19	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.35	0.24	0.18	0.12	0.33	0.22	0.16	0.11

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.97	0.65	0.48	0.32	0.97	0.65	0.48	0.32	0.87	0.58	0.44	0.29	0.80	0.53	0.40	0.27	0.70	0.47	0.35	0.23
WRB	0.70	0.47	0.35	0.23	0.70	0.47	0.35	0.23	0.62	0.42	0.31	0.21	0.57	0.38	0.28	0.19	0.52	0.34	0.26	0.17
WRC	0.49	0.33	0.25	0.16	0.49	0.33	0.25	0.16	0.44	0.29	0.22	0.15	0.34	0.23	0.17	0.11	0.29	0.20	0.15	0.10

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.90	0.60	0.45	0.30	0.84	0.56	0.42	0.28	0.77	0.51	0.38	0.26	0.72	0.48	0.36	0.24	0.64	0.43	0.32	0.21
WRB	0.65	0.43	0.32	0.22	0.59	0.39	0.30	0.20	0.54	0.36	0.27	0.18	0.50	0.33	0.25	0.17	0.46	0.31	0.23	0.15
WRC	0.45	0.30	0.23	0.15	0.42	0.28	0.21	0.14	0.36	0.24	0.18	0.12	0.29	0.19	0.14	0.10	0.26	0.17	0.13	0.09

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.85	0.57	0.42	0.28	0.73	0.49	0.36	0.24	0.67	0.45	0.34	0.22	0.64	0.43	0.32	0.21	0.58	0.39	0.29	0.19
WRB	0.60	0.40	0.30	0.20	0.52	0.34	0.26	0.17	0.47	0.31	0.23	0.16	0.45	0.30	0.22	0.15	0.42	0.28	0.21	0.14
WRC	0.42	0.28	0.21	0.14	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10	0.25	0.17	0.13	0.08	0.23	0.16	0.12	0.08

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.74	0.49	0.37	0.25	0.74	0.49	0.37	0.25	0.66	0.44	0.33	0.22	0.60	0.40	0.30	0.20	0.52	0.35	0.26	0.17
WRB	0.52	0.34	0.26	0.17	0.52	0.34	0.26	0.17	0.45	0.30	0.22	0.15	0.39	0.26	0.20	0.13	0.35	0.23	0.17	0.12
WRC	0.33	0.22	0.17	0.11	0.33	0.22	0.17	0.11	0.28	0.19	0.14	0.09	0.22	0.15	0.11	0.07	0.19	0.13	0.10	0.06

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.68	0.45	0.34	0.23	0.62	0.42	0.31	0.21	0.57	0.38	0.28	0.19	0.53	0.35	0.26	0.18	0.46	0.31	0.23	0.15
WRB	0.47	0.31	0.23	0.16	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12	0.34	0.23	0.17	0.11	0.31	0.21	0.15	0.10
WRC	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09	0.24	0.16	0.12	0.08	0.19	0.12	0.09	0.06	0.17	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	20° ≤ α < 25°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.63	0.42	0.32	0.21	0.54	0.36	0.27	0.18	0.49	0.33	0.24	0.16	0.46	0.30	0.23	0.15	0.41	0.27	0.20	0.14
WRB	0.42	0.28	0.21	0.14	0.35	0.23	0.17	0.12	0.31	0.21	0.15	0.10	0.29	0.19	0.15	0.10	0.27	0.18	0.13	0.09
WRC	0.27	0.18	0.13	0.09	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07	0.17	0.11	0.08	0.06	0.15	0.10	0.08	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.57	0.38	0.28	0.19	0.57	0.38	0.28	0.19	0.49	0.33	0.24	0.16	0.43	0.29	0.22	0.14	0.36	0.24	0.18	0.12
WRB	0.36	0.24	0.18	0.12	0.36	0.24	0.18	0.12	0.31	0.21	0.15	0.10	0.28	0.18	0.14	0.09	0.25	0.16	0.12	0.08
WRC	0.23	0.15	0.12	0.08	0.23	0.15	0.12	0.08	0.20	0.13	0.10	0.07	0.15	0.10	0.08	0.05	0.14	0.09	0.07	0.05

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.51	0.34	0.26	0.17	0.46	0.30	0.23	0.15	0.40	0.27	0.20	0.13	0.37	0.25	0.18	0.12	0.32	0.22	0.16	0.11
WRB	0.32	0.22	0.16	0.11	0.29	0.19	0.15	0.10	0.26	0.17	0.13	0.09	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07
WRC	0.21	0.14	0.10	0.07	0.19	0.13	0.10	0.06	0.17	0.11	0.08	0.06	0.13	0.09	0.07	0.04	0.12	0.08	0.06	0.04

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.46	0.31	0.23	0.15	0.38	0.25	0.19	0.13	0.34	0.23	0.17	0.11	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09
WRB	0.30	0.20	0.15	0.10	0.25	0.16	0.12	0.08	0.22	0.15	0.11	0.07	0.21	0.14	0.10	0.07	0.19	0.13	0.10	0.06
WRC	0.19	0.13	0.10	0.06	0.16	0.11	0.08	0.05	0.15	0.10	0.07	0.05	0.12	0.08	0.06	0.04	0.11	0.07	0.05	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

METROLL METLOK 500 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.41	0.27	0.20	0.14	0.41	0.27	0.20	0.14	0.35	0.23	0.18	0.12	0.31	0.21	0.16	0.10	0.26	0.17	0.13	0.09
WRB	0.26	0.17	0.13	0.09	0.26	0.17	0.13	0.09	0.23	0.15	0.12	0.08	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06
WRC	0.17	0.11	0.08	0.06	0.17	0.11	0.08	0.06	0.15	0.10	0.07	0.05	0.11	0.08	0.06	0.04	0.10	0.07	0.05	0.03

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.37	0.25	0.18	0.12	0.34	0.22	0.17	0.11	0.30	0.20	0.15	0.10	0.27	0.18	0.14	0.09	0.24	0.16	0.12	0.08
WRB	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07	0.19	0.13	0.10	0.06	0.18	0.12	0.09	0.06	0.16	0.11	0.08	0.05
WRC	0.15	0.10	0.08	0.05	0.14	0.09	0.07	0.05	0.12	0.08	0.06	0.04	0.10	0.07	0.05	0.03	0.09	0.06	0.05	0.03

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.34	0.22	0.17	0.11	0.27	0.18	0.14	0.09	0.25	0.17	0.12	0.08	0.23	0.15	0.12	0.08	0.21	0.14	0.10	0.07
WRB	0.22	0.14	0.11	0.07	0.18	0.12	0.09	0.06	0.16	0.11	0.08	0.05	0.15	0.10	0.08	0.05	0.14	0.09	0.07	0.05
WRC	0.14	0.09	0.07	0.05	0.12	0.08	0.06	0.04	0.11	0.07	0.05	0.04	0.09	0.06	0.04	0.03	0.08	0.05	0.04	0.03

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE STEEL-RIB 500 (ST28)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.57	1.05	0.78	0.52	1.51	1.01	0.75	0.50	1.45	0.96	0.72	0.48
WRC	1.49	0.99	0.74	0.50	1.49	0.99	0.74	0.50	1.42	0.94	0.71	0.47	1.14	0.76	0.57	0.38	1.09	0.73	0.55	0.36

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.58	1.06	0.79	0.53
WRB	1.59	1.06	0.80	0.53	1.54	1.03	0.77	0.51	1.48	0.98	0.74	0.49	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46
WRC	1.44	0.96	0.72	0.48	1.39	0.93	0.70	0.46	1.34	0.89	0.67	0.45	1.09	0.72	0.54	0.36	1.05	0.70	0.53	0.35

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.66	1.10	0.83	0.55	1.62	1.08	0.81	0.54	1.52	1.02	0.76	0.51
WRB	1.55	1.03	0.77	0.52	1.45	0.96	0.72	0.48	1.40	0.93	0.70	0.47	1.38	0.92	0.69	0.46	1.35	0.90	0.67	0.45
WRC	1.40	0.93	0.70	0.47	1.31	0.87	0.66	0.44	1.27	0.85	0.64	0.42	1.04	0.69	0.52	0.35	0.99	0.66	0.50	0.33

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE STEEL-RIB 500 (ST28) (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.60	1.07	0.80	0.53	1.54	1.03	0.77	0.51	1.42	0.95	0.71	0.47
WRB	1.42	0.95	0.71	0.47	1.42	0.95	0.71	0.47	1.35	0.90	0.68	0.45	1.31	0.87	0.65	0.44	1.25	0.84	0.63	0.42
WRC	1.29	0.86	0.64	0.43	1.29	0.86	0.64	0.43	1.23	0.82	0.62	0.41	0.94	0.63	0.47	0.31	0.84	0.56	0.42	0.28

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.62	1.08	0.81	0.54	1.57	1.05	0.78	0.52	1.51	1.01	0.76	0.50	1.47	0.98	0.74	0.49	1.37	0.91	0.68	0.46
WRB	1.38	0.92	0.69	0.46	1.33	0.89	0.67	0.44	1.28	0.86	0.64	0.43	1.25	0.83	0.62	0.42	1.21	0.81	0.60	0.40
WRC	1.25	0.83	0.62	0.42	1.18	0.79	0.59	0.39	1.07	0.71	0.54	0.36	0.82	0.55	0.41	0.27	0.74	0.49	0.37	0.25

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.58	1.05	0.79	0.53	1.48	0.99	0.74	0.49	1.43	0.95	0.72	0.48	1.41	0.94	0.70	0.47	1.32	0.88	0.66	0.44
WRB	1.34	0.89	0.67	0.45	1.25	0.84	0.63	0.42	1.22	0.81	0.61	0.41	1.19	0.79	0.60	0.40	1.15	0.76	0.57	0.38
WRC	1.19	0.79	0.60	0.40	1.01	0.67	0.50	0.34	0.90	0.60	0.45	0.30	0.71	0.47	0.35	0.24	0.65	0.44	0.33	0.22

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE STEEL-RIB 500 (ST28) (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.54	1.02	0.77	0.51	1.54	1.02	0.77	0.51	1.46	0.98	0.73	0.49	1.42	0.94	0.71	0.47	1.31	0.87	0.65	0.44
WRB	1.30	0.87	0.65	0.43	1.30	0.87	0.65	0.43	1.25	0.83	0.62	0.42	1.15	0.77	0.58	0.38	1.04	0.69	0.52	0.35
WRC	1.04	0.69	0.52	0.35	1.04	0.69	0.52	0.35	0.92	0.61	0.46	0.31	0.68	0.45	0.34	0.23	0.60	0.40	0.30	0.20

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.49	0.99	0.74	0.50	1.44	0.96	0.72	0.48	1.38	0.92	0.69	0.46	1.35	0.90	0.68	0.45	1.25	0.84	0.63	0.42
WRB	1.26	0.84	0.63	0.42	1.21	0.81	0.60	0.40	1.09	0.73	0.55	0.36	1.02	0.68	0.51	0.34	0.94	0.63	0.47	0.31
WRC	0.96	0.64	0.48	0.32	0.87	0.58	0.44	0.29	0.77	0.51	0.38	0.26	0.59	0.39	0.29	0.20	0.53	0.35	0.26	0.18

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.45	0.97	0.72	0.48	1.36	0.91	0.68	0.45	1.31	0.87	0.66	0.44	1.29	0.86	0.64	0.43	1.18	0.79	0.59	0.39
WRB	1.22	0.81	0.61	0.41	1.04	0.69	0.52	0.35	0.95	0.64	0.48	0.32	0.91	0.61	0.45	0.30	0.85	0.56	0.42	0.28
WRC	0.88	0.59	0.44	0.29	0.72	0.48	0.36	0.24	0.65	0.43	0.32	0.22	0.51	0.34	0.25	0.17	0.47	0.32	0.24	0.16

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

STEELINE STEEL-RIB 500 (ST28) (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.38	0.92	0.69	0.46	1.38	0.92	0.69	0.46	1.31	0.87	0.66	0.44	1.22	0.81	0.61	0.41	1.05	0.70	0.53	0.35
WRB	1.05	0.70	0.52	0.35	1.05	0.70	0.52	0.35	0.90	0.60	0.45	0.30	0.80	0.53	0.40	0.27	0.70	0.47	0.35	0.23
WRC	0.70	0.46	0.35	0.23	0.70	0.46	0.35	0.23	0.60	0.40	0.30	0.20	0.45	0.30	0.22	0.15	0.39	0.26	0.20	0.13

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.34	0.89	0.67	0.45	1.27	0.85	0.64	0.42	1.15	0.77	0.58	0.38	1.07	0.71	0.54	0.36	0.93	0.62	0.47	0.31
WRB	0.95	0.63	0.47	0.32	0.85	0.56	0.42	0.28	0.75	0.50	0.37	0.25	0.68	0.46	0.34	0.23	0.62	0.41	0.31	0.21
WRC	0.63	0.42	0.32	0.21	0.57	0.38	0.28	0.19	0.50	0.33	0.25	0.17	0.38	0.25	0.19	0.13	0.35	0.23	0.17	0.12

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.29	0.86	0.64	0.43	1.10	0.73	0.55	0.37	0.98	0.66	0.49	0.33	0.93	0.62	0.46	0.31	0.82	0.55	0.41	0.27
WRB	0.85	0.57	0.43	0.28	0.70	0.47	0.35	0.23	0.63	0.42	0.32	0.21	0.59	0.39	0.30	0.20	0.55	0.36	0.27	0.18
WRC	0.57	0.38	0.28	0.19	0.47	0.31	0.24	0.16	0.42	0.28	0.21	0.14	0.33	0.22	0.17	0.11	0.31	0.20	0.15	0.10

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE STEEL-RIB 500 (ST28) (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.15	0.77	0.58	0.38	1.15	0.77	0.58	0.38	0.98	0.66	0.49	0.33	0.87	0.58	0.44	0.29	0.74	0.49	0.37	0.25
WRB	0.73	0.49	0.37	0.24	0.73	0.49	0.37	0.24	0.63	0.42	0.32	0.21	0.56	0.37	0.28	0.19	0.49	0.33	0.25	0.16
WRC	0.49	0.33	0.24	0.16	0.49	0.33	0.24	0.16	0.42	0.28	0.21	0.14	0.31	0.21	0.16	0.10	0.28	0.19	0.14	0.09

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.04	0.69	0.52	0.35	0.93	0.62	0.46	0.31	0.82	0.54	0.41	0.27	0.75	0.50	0.38	0.25	0.65	0.43	0.32	0.22
WRB	0.66	0.44	0.33	0.22	0.59	0.39	0.30	0.20	0.52	0.35	0.26	0.17	0.48	0.32	0.24	0.16	0.44	0.29	0.22	0.15
WRC	0.44	0.29	0.22	0.15	0.40	0.27	0.20	0.13	0.35	0.23	0.18	0.12	0.27	0.18	0.14	0.09	0.25	0.16	0.12	0.08

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.94	0.62	0.47	0.31	0.77	0.51	0.38	0.26	0.69	0.46	0.34	0.23	0.65	0.43	0.32	0.22	0.58	0.38	0.29	0.19
WRB	0.60	0.40	0.30	0.20	0.49	0.33	0.25	0.16	0.45	0.30	0.22	0.15	0.42	0.28	0.21	0.14	0.38	0.26	0.19	0.13
WRC	0.40	0.27	0.20	0.13	0.34	0.22	0.17	0.11	0.30	0.20	0.15	0.10	0.24	0.16	0.12	0.08	0.22	0.15	0.11	0.07

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE STEEL-RIB 500 (ST28) (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.83	0.55	0.42	0.28	0.83	0.55	0.42	0.28	0.71	0.47	0.36	0.24	0.63	0.42	0.32	0.21	0.54	0.36	0.27	0.18
WRB	0.53	0.35	0.27	0.18	0.53	0.35	0.27	0.18	0.46	0.31	0.23	0.15	0.41	0.27	0.20	0.14	0.36	0.24	0.18	0.12
WRC	0.36	0.24	0.18	0.12	0.36	0.24	0.18	0.12	0.31	0.21	0.16	0.10	0.23	0.16	0.12	0.08	0.21	0.14	0.10	0.07

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.75	0.50	0.38	0.25	0.67	0.45	0.34	0.22	0.59	0.39	0.30	0.20	0.54	0.36	0.27	0.18	0.48	0.32	0.24	0.16
WRB	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.38	0.26	0.19	0.13	0.35	0.24	0.18	0.12	0.32	0.22	0.16	0.11
WRC	0.33	0.22	0.16	0.11	0.30	0.20	0.15	0.10	0.26	0.18	0.13	0.09	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.68	0.45	0.34	0.23	0.56	0.37	0.28	0.19	0.50	0.34	0.25	0.17	0.47	0.31	0.24	0.16	0.42	0.28	0.21	0.14
WRB	0.44	0.29	0.22	0.15	0.36	0.24	0.18	0.12	0.32	0.22	0.16	0.11	0.31	0.21	0.15	0.10	0.28	0.19	0.14	0.09
WRC	0.30	0.20	0.15	0.10	0.25	0.17	0.12	0.08	0.22	0.15	0.11	0.07	0.17	0.12	0.09	0.06	0.16	0.11	0.08	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REVOLUTION MAXLINE 340

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.94	1.29	0.97	0.65	1.94	1.29	0.97	0.65	1.85	1.23	0.92	0.62	1.78	1.19	0.89	0.59	1.65	1.10	0.82	0.55
WRB	1.64	1.09	0.82	0.55	1.64	1.09	0.82	0.55	1.53	1.02	0.77	0.51	1.42	0.94	0.71	0.47	1.29	0.86	0.65	0.43
WRC	1.25	0.84	0.63	0.42	1.25	0.84	0.63	0.42	1.13	0.75	0.57	0.38	0.90	0.60	0.45	0.30	0.81	0.54	0.41	0.27

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.88	1.25	0.94	0.63	1.82	1.21	0.91	0.61	1.74	1.16	0.87	0.58	1.70	1.13	0.85	0.57	1.56	1.04	0.78	0.52
WRB	1.58	1.05	0.79	0.53	1.47	0.98	0.73	0.49	1.35	0.90	0.68	0.45	1.28	0.85	0.64	0.43	1.18	0.79	0.59	0.39
WRC	1.17	0.78	0.58	0.39	1.08	0.72	0.54	0.36	0.98	0.66	0.49	0.33	0.80	0.53	0.40	0.27	0.74	0.49	0.37	0.25

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.82	1.22	0.91	0.61	1.71	1.14	0.86	0.57	1.65	1.10	0.82	0.55	1.58	1.06	0.79	0.53	1.45	0.96	0.72	0.48
WRB	1.48	0.99	0.74	0.49	1.29	0.86	0.65	0.43	1.21	0.81	0.60	0.40	1.15	0.77	0.58	0.38	1.09	0.73	0.55	0.36
WRC	1.09	0.73	0.55	0.36	0.94	0.63	0.47	0.31	0.87	0.58	0.43	0.29	0.72	0.48	0.36	0.24	0.67	0.45	0.34	0.22

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REVOLUTION MAXLINE 340 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.68	1.12	0.84	0.56	1.68	1.12	0.84	0.56	1.55	1.03	0.78	0.52	1.44	0.96	0.72	0.48	1.26	0.84	0.63	0.42
WRB	1.25	0.84	0.63	0.42	1.25	0.84	0.63	0.42	1.13	0.75	0.57	0.38	1.04	0.69	0.52	0.35	0.94	0.63	0.47	0.31
WRC	0.91	0.61	0.45	0.30	0.91	0.61	0.45	0.30	0.81	0.54	0.40	0.27	0.64	0.43	0.32	0.21	0.57	0.38	0.29	0.19

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.60	1.07	0.80	0.53	1.50	1.00	0.75	0.50	1.38	0.92	0.69	0.46	1.30	0.86	0.65	0.43	1.15	0.77	0.58	0.38
WRB	1.17	0.78	0.58	0.39	1.08	0.72	0.54	0.36	0.98	0.66	0.49	0.33	0.92	0.62	0.46	0.31	0.85	0.57	0.43	0.28
WRC	0.84	0.56	0.42	0.28	0.77	0.51	0.38	0.26	0.70	0.47	0.35	0.23	0.56	0.37	0.28	0.19	0.50	0.33	0.25	0.17

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.50	1.00	0.75	0.50	1.31	0.87	0.66	0.44	1.22	0.82	0.61	0.41	1.17	0.78	0.58	0.39	1.06	0.71	0.53	0.35
WRB	1.09	0.73	0.55	0.36	0.94	0.63	0.47	0.31	0.87	0.58	0.43	0.29	0.83	0.55	0.42	0.28	0.78	0.52	0.39	0.26
WRC	0.78	0.52	0.39	0.26	0.66	0.44	0.33	0.22	0.59	0.39	0.30	0.20	0.48	0.32	0.24	0.16	0.45	0.30	0.22	0.15

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REVOLUTION MAXLINE 340 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.34	0.89	0.67	0.45	1.34	0.89	0.67	0.45	1.21	0.81	0.60	0.40	1.10	0.74	0.55	0.37	0.97	0.65	0.48	0.32
WRB	0.96	0.64	0.48	0.32	0.96	0.64	0.48	0.32	0.85	0.57	0.43	0.28	0.78	0.52	0.39	0.26	0.71	0.47	0.35	0.24
WRC	0.68	0.46	0.34	0.23	0.68	0.46	0.34	0.23	0.60	0.40	0.30	0.20	0.47	0.31	0.23	0.16	0.41	0.27	0.20	0.14

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.25	0.83	0.62	0.42	1.15	0.77	0.58	0.38	1.06	0.70	0.53	0.35	0.99	0.66	0.50	0.33	0.88	0.58	0.44	0.29
WRB	0.89	0.59	0.45	0.30	0.82	0.55	0.41	0.27	0.75	0.50	0.37	0.25	0.69	0.46	0.35	0.23	0.64	0.43	0.32	0.21
WRC	0.63	0.42	0.32	0.21	0.57	0.38	0.28	0.19	0.50	0.33	0.25	0.17	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.17	0.78	0.58	0.39	1.01	0.67	0.50	0.34	0.93	0.62	0.46	0.31	0.89	0.59	0.44	0.30	0.80	0.53	0.40	0.27
WRB	0.82	0.55	0.41	0.27	0.71	0.47	0.35	0.24	0.65	0.43	0.32	0.22	0.62	0.41	0.31	0.21	0.58	0.38	0.29	0.19
WRC	0.58	0.38	0.29	0.19	0.47	0.31	0.23	0.16	0.42	0.28	0.21	0.14	0.35	0.23	0.17	0.12	0.32	0.21	0.16	0.11

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

REVOLUTION MAXLINE 340 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.01	0.67	0.50	0.34	1.01	0.67	0.50	0.34	0.90	0.60	0.45	0.30	0.82	0.55	0.41	0.27	0.72	0.48	0.36	0.24
WRB	0.72	0.48	0.36	0.24	0.72	0.48	0.36	0.24	0.61	0.41	0.30	0.20	0.55	0.36	0.27	0.18	0.48	0.32	0.24	0.16
WRC	0.45	0.30	0.23	0.15	0.45	0.30	0.23	0.15	0.39	0.26	0.20	0.13	0.30	0.20	0.15	0.10	0.27	0.18	0.13	0.09

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.94	0.62	0.47	0.31	0.86	0.58	0.43	0.29	0.78	0.52	0.39	0.26	0.73	0.49	0.36	0.24	0.63	0.42	0.32	0.21
WRB	0.64	0.43	0.32	0.21	0.58	0.38	0.29	0.19	0.51	0.34	0.25	0.17	0.46	0.31	0.23	0.15	0.42	0.28	0.21	0.14
WRC	0.41	0.27	0.20	0.14	0.37	0.25	0.18	0.12	0.33	0.22	0.17	0.11	0.26	0.17	0.13	0.09	0.23	0.16	0.12	0.08

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.87	0.58	0.44	0.29	0.74	0.50	0.37	0.25	0.67	0.45	0.34	0.22	0.63	0.42	0.32	0.21	0.56	0.37	0.28	0.19
WRB	0.58	0.39	0.29	0.19	0.48	0.32	0.24	0.16	0.43	0.29	0.22	0.14	0.40	0.27	0.20	0.13	0.38	0.25	0.19	0.13
WRC	0.38	0.25	0.19	0.13	0.31	0.21	0.15	0.10	0.28	0.18	0.14	0.09	0.23	0.15	0.11	0.08	0.21	0.14	0.11	0.07

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REVOLUTION MAXLINE 340 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.78	0.52	0.39	0.26	0.78	0.52	0.39	0.26	0.67	0.45	0.34	0.22	0.59	0.39	0.30	0.20	0.50	0.33	0.25	0.17
WRB	0.49	0.33	0.25	0.16	0.49	0.33	0.25	0.16	0.43	0.29	0.22	0.14	0.38	0.26	0.19	0.13	0.33	0.22	0.17	0.11
WRC	0.32	0.22	0.16	0.11	0.32	0.22	0.16	0.11	0.28	0.18	0.14	0.09	0.21	0.14	0.11	0.07	0.19	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.70	0.47	0.35	0.23	0.63	0.42	0.32	0.21	0.55	0.37	0.28	0.18	0.51	0.34	0.26	0.17	0.44	0.29	0.22	0.15
WRB	0.45	0.30	0.22	0.15	0.40	0.27	0.20	0.13	0.35	0.24	0.18	0.12	0.33	0.22	0.17	0.11	0.30	0.20	0.15	0.10
WRC	0.29	0.19	0.15	0.10	0.26	0.17	0.13	0.09	0.23	0.15	0.12	0.08	0.19	0.12	0.09	0.06	0.17	0.11	0.08	0.06

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.64	0.43	0.32	0.21	0.52	0.35	0.26	0.17	0.47	0.31	0.24	0.16	0.44	0.29	0.22	0.15	0.39	0.26	0.20	0.13
WRB	0.41	0.27	0.20	0.14	0.33	0.22	0.17	0.11	0.30	0.20	0.15	0.10	0.28	0.19	0.14	0.09	0.26	0.17	0.13	0.09
WRC	0.26	0.17	0.13	0.09	0.22	0.14	0.11	0.07	0.20	0.13	0.10	0.07	0.16	0.11	0.08	0.05	0.15	0.10	0.08	0.05

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

REVOLUTION MAXLINE 340 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.57	0.38	0.28	0.19	0.57	0.38	0.28	0.19	0.49	0.33	0.24	0.16	0.43	0.29	0.22	0.14	0.36	0.24	0.18	0.12
WRB	0.36	0.24	0.18	0.12	0.36	0.24	0.18	0.12	0.32	0.21	0.16	0.11	0.28	0.18	0.14	0.09	0.25	0.16	0.12	0.08
WRC	0.24	0.16	0.12	0.08	0.24	0.16	0.12	0.08	0.21	0.14	0.10	0.07	0.16	0.11	0.08	0.05	0.14	0.09	0.07	0.05

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.51	0.34	0.26	0.17	0.46	0.30	0.23	0.15	0.41	0.27	0.20	0.14	0.37	0.25	0.18	0.12	0.32	0.22	0.16	0.11
WRB	0.33	0.22	0.17	0.11	0.29	0.19	0.15	0.10	0.26	0.17	0.13	0.09	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07
WRC	0.22	0.14	0.11	0.07	0.19	0.13	0.10	0.06	0.17	0.11	0.08	0.06	0.14	0.09	0.07	0.05	0.13	0.08	0.06	0.04

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.46	0.31	0.23	0.15	0.38	0.25	0.19	0.13	0.34	0.23	0.17	0.11	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09
WRB	0.30	0.20	0.15	0.10	0.25	0.16	0.12	0.08	0.22	0.15	0.11	0.07	0.21	0.14	0.10	0.07	0.19	0.13	0.10	0.06
WRC	0.19	0.13	0.10	0.06	0.16	0.11	0.08	0.05	0.15	0.10	0.07	0.05	0.12	0.08	0.06	0.04	0.11	0.08	0.06	0.04

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE LOKDECK 680

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.70	1.13	0.85	0.57	1.70	1.13	0.85	0.57	1.57	1.05	0.78	0.52	1.46	0.98	0.73	0.49	1.30	0.87	0.65	0.43
WRB	1.29	0.86	0.65	0.43	1.29	0.86	0.65	0.43	1.18	0.78	0.59	0.39	1.09	0.73	0.55	0.36	1.00	0.67	0.50	0.33
WRC	0.97	0.65	0.48	0.32	0.97	0.65	0.48	0.32	0.87	0.58	0.43	0.29	0.69	0.46	0.35	0.23	0.63	0.42	0.31	0.21

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.61	1.07	0.80	0.54	1.51	1.01	0.76	0.50	1.41	0.94	0.70	0.47	1.34	0.89	0.67	0.45	1.20	0.80	0.60	0.40
WRB	1.22	0.81	0.61	0.41	1.13	0.75	0.57	0.38	1.05	0.70	0.52	0.35	0.98	0.66	0.49	0.33	0.92	0.61	0.46	0.31
WRC	0.90	0.60	0.45	0.30	0.83	0.55	0.42	0.28	0.76	0.51	0.38	0.25	0.62	0.41	0.31	0.21	0.57	0.38	0.29	0.19

ANGLE TO THE HORIZONTAL	0° < α < 10°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.53	1.02	0.76	0.51	1.35	0.90	0.68	0.45	1.26	0.84	0.63	0.42	1.22	0.81	0.61	0.41	1.12	0.74	0.56	0.37
WRB	1.14	0.76	0.57	0.38	1.00	0.67	0.50	0.33	0.93	0.62	0.47	0.31	0.89	0.59	0.45	0.30	0.84	0.56	0.42	0.28
WRC	0.84	0.56	0.42	0.28	0.72	0.48	0.36	0.24	0.67	0.45	0.33	0.22	0.55	0.37	0.28	0.18	0.52	0.35	0.26	0.17

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE LOKDECK 680 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.31	0.87	0.66	0.44	1.31	0.87	0.66	0.44	1.19	0.79	0.60	0.40	1.10	0.74	0.55	0.37	0.97	0.65	0.48	0.32
WRB	0.97	0.65	0.48	0.32	0.97	0.65	0.48	0.32	0.87	0.58	0.43	0.29	0.80	0.53	0.40	0.27	0.72	0.48	0.36	0.24
WRC	0.70	0.47	0.35	0.23	0.70	0.47	0.35	0.23	0.62	0.42	0.31	0.21	0.49	0.33	0.25	0.16	0.44	0.29	0.22	0.15

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.23	0.82	0.62	0.41	1.15	0.77	0.58	0.38	1.06	0.70	0.53	0.35	0.99	0.66	0.50	0.33	0.89	0.59	0.45	0.30
WRB	0.90	0.60	0.45	0.30	0.83	0.55	0.42	0.28	0.76	0.51	0.38	0.25	0.72	0.48	0.36	0.24	0.66	0.44	0.33	0.22
WRC	0.65	0.43	0.32	0.22	0.59	0.39	0.30	0.20	0.54	0.36	0.27	0.18	0.43	0.28	0.21	0.14	0.39	0.26	0.19	0.13

ANGLE TO THE HORIZONTAL	10 ≤ α < 15°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.16	0.77	0.58	0.39	1.01	0.67	0.50	0.34	0.94	0.62	0.47	0.31	0.90	0.60	0.45	0.30	0.82	0.54	0.41	0.27
WRB	0.84	0.56	0.42	0.28	0.72	0.48	0.36	0.24	0.67	0.45	0.33	0.22	0.64	0.43	0.32	0.21	0.60	0.40	0.30	0.20
WRC	0.60	0.40	0.30	0.20	0.51	0.34	0.25	0.17	0.45	0.30	0.23	0.15	0.37	0.25	0.19	0.12	0.35	0.23	0.17	0.12

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE LOKDECK 680 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	1.03	0.69	0.52	0.34	1.03	0.69	0.52	0.34	0.93	0.62	0.46	0.31	0.86	0.57	0.43	0.29	0.75	0.50	0.37	0.25
WRB	0.74	0.49	0.37	0.25	0.74	0.49	0.37	0.25	0.66	0.44	0.33	0.22	0.60	0.40	0.30	0.20	0.55	0.36	0.27	0.18
WRC	0.52	0.35	0.26	0.17	0.52	0.35	0.26	0.17	0.46	0.31	0.23	0.15	0.36	0.24	0.18	0.12	0.31	0.21	0.16	0.10

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.96	0.64	0.48	0.32	0.89	0.59	0.44	0.30	0.81	0.54	0.40	0.27	0.76	0.51	0.38	0.25	0.68	0.45	0.34	0.23
WRB	0.68	0.46	0.34	0.23	0.63	0.42	0.32	0.21	0.57	0.38	0.28	0.19	0.54	0.36	0.27	0.18	0.49	0.33	0.25	0.16
WRC	0.48	0.32	0.24	0.16	0.44	0.29	0.22	0.15	0.38	0.26	0.19	0.13	0.31	0.20	0.15	0.10	0.28	0.19	0.14	0.09

ANGLE TO THE HORIZONTAL	15° ≤ α < 20°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.90	0.60	0.45	0.30	0.78	0.52	0.39	0.26	0.71	0.47	0.36	0.24	0.68	0.45	0.34	0.23	0.62	0.41	0.31	0.21
WRB	0.64	0.43	0.32	0.21	0.55	0.36	0.27	0.18	0.50	0.33	0.25	0.17	0.48	0.32	0.24	0.16	0.45	0.30	0.22	0.15
WRC	0.45	0.30	0.22	0.15	0.36	0.24	0.18	0.12	0.32	0.22	0.16	0.11	0.27	0.18	0.13	0.09	0.25	0.16	0.12	0.08

Refer to *note 2* to find out installation exclusion zones.

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PV-ezRack SolarRoof Interface spacing table for

STEELINE LOKDECK 680 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.78	0.52	0.39	0.26	0.78	0.52	0.39	0.26	0.70	0.46	0.35	0.23	0.64	0.43	0.32	0.21	0.55	0.37	0.28	0.18
WRB	0.55	0.36	0.27	0.18	0.55	0.36	0.27	0.18	0.47	0.31	0.23	0.16	0.42	0.28	0.21	0.14	0.37	0.25	0.18	0.12
WRC	0.35	0.24	0.18	0.12	0.35	0.24	0.18	0.12	0.30	0.20	0.15	0.10	0.23	0.16	0.12	0.08	0.21	0.14	0.10	0.07

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.72	0.48	0.36	0.24	0.66	0.44	0.33	0.22	0.61	0.41	0.30	0.20	0.56	0.37	0.28	0.19	0.48	0.32	0.24	0.16
WRB	0.49	0.33	0.25	0.16	0.45	0.30	0.22	0.15	0.39	0.26	0.20	0.13	0.36	0.24	0.18	0.12	0.32	0.22	0.16	0.11
WRC	0.32	0.21	0.16	0.11	0.28	0.19	0.14	0.09	0.25	0.17	0.13	0.08	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06

ANGLE TO THE HORIZONTAL	$20° \leq \alpha < 25°$																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.67	0.45	0.34	0.22	0.58	0.38	0.29	0.19	0.52	0.35	0.26	0.17	0.49	0.33	0.24	0.16	0.43	0.29	0.22	0.14
WRB	0.45	0.30	0.22	0.15	0.37	0.25	0.18	0.12	0.33	0.22	0.17	0.11	0.31	0.21	0.15	0.10	0.29	0.19	0.15	0.10
WRC	0.29	0.19	0.15	0.10	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07	0.17	0.12	0.09	0.06	0.16	0.11	0.08	0.05

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

STEELINE LOKDECK 680 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.60	0.40	0.30	0.20	0.60	0.40	0.30	0.20	0.52	0.35	0.26	0.17	0.46	0.30	0.23	0.15	0.38	0.26	0.19	0.13
WRB	0.38	0.26	0.19	0.13	0.38	0.26	0.19	0.13	0.33	0.22	0.17	0.11	0.29	0.19	0.15	0.10	0.26	0.17	0.13	0.09
WRC	0.25	0.16	0.12	0.08	0.25	0.16	0.12	0.08	0.22	0.14	0.11	0.07	0.17	0.11	0.08	0.06	0.15	0.10	0.07	0.05

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.54	0.36	0.27	0.18	0.49	0.33	0.24	0.16	0.43	0.29	0.22	0.14	0.39	0.26	0.20	0.13	0.34	0.23	0.17	0.11
WRB	0.35	0.23	0.17	0.12	0.31	0.21	0.15	0.10	0.28	0.18	0.14	0.09	0.25	0.17	0.13	0.08	0.23	0.15	0.12	0.08
WRC	0.22	0.15	0.11	0.07	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06	0.14	0.09	0.07	0.05	0.13	0.08	0.06	0.04

ANGLE TO THE HORIZONTAL	25° ≤ α < 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.49	0.33	0.24	0.16	0.40	0.27	0.20	0.13	0.36	0.24	0.18	0.12	0.34	0.23	0.17	0.11	0.30	0.20	0.15	0.10
WRB	0.32	0.21	0.16	0.11	0.26	0.17	0.13	0.09	0.23	0.15	0.12	0.08	0.22	0.15	0.11	0.07	0.21	0.14	0.10	0.07
WRC	0.21	0.14	0.10	0.07	0.17	0.11	0.08	0.06	0.15	0.10	0.08	0.05	0.13	0.08	0.06	0.04	0.11	0.08	0.06	0.04

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

PV-ezRack SolarRoof Interface spacing table for

STEELINE LOKDECK 680 (Cont.)

Type of Rail	ER-R-ECO (Refer to note 10 for other compatible rails)
Type of Interface	ER-I-34
Solar Panel Dimension	2 m x 1 m (Refer to note 25 for other panel sizes)

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	3																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.43	0.29	0.22	0.14	0.43	0.29	0.22	0.14	0.38	0.25	0.19	0.13	0.34	0.22	0.17	0.11	0.28	0.19	0.14	0.09
WRB	0.28	0.18	0.14	0.09	0.28	0.18	0.14	0.09	0.24	0.16	0.12	0.08	0.22	0.14	0.11	0.07	0.19	0.13	0.10	0.06
WRC	0.18	0.12	0.09	0.06	0.18	0.12	0.09	0.06	0.16	0.11	0.08	0.05	0.12	0.08	0.06	0.04	0.11	0.07	0.05	0.04

ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2.5																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.39	0.26	0.20	0.13	0.35	0.23	0.18	0.12	0.31	0.21	0.16	0.10	0.29	0.19	0.14	0.10	0.25	0.16	0.12	0.08
WRB	0.25	0.17	0.13	0.08	0.23	0.15	0.12	0.08	0.20	0.13	0.10	0.07	0.18	0.12	0.09	0.06	0.17	0.11	0.08	0.06
WRC	0.16	0.11	0.08	0.05	0.15	0.10	0.07	0.05	0.13	0.09	0.07	0.04	0.11	0.07	0.05	0.04	0.09	0.06	0.05	0.03

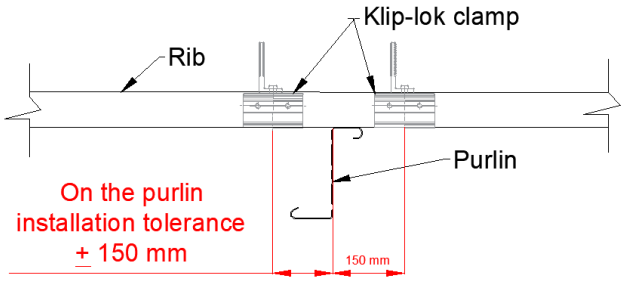
ANGLE TO THE HORIZONTAL	α = 30°																			
TC	2																			
BUILDING HEIGHT (m)	≤ 5				5<H≤10				10<H≤15				15<H≤20				20<H≤30			
	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner	Internal	Intermediate	Edge	Corner
WRA	0.36	0.24	0.18	0.12	0.30	0.20	0.15	0.10	0.26	0.18	0.13	0.09	0.25	0.17	0.12	0.08	0.22	0.15	0.11	0.07
WRB	0.23	0.15	0.12	0.08	0.19	0.13	0.10	0.06	0.17	0.11	0.08	0.06	0.16	0.11	0.08	0.05	0.15	0.10	0.08	0.05
WRC	0.15	0.10	0.08	0.05	0.12	0.08	0.06	0.04	0.12	0.08	0.06	0.04	0.09	0.06	0.05	0.03	0.09	0.06	0.04	0.03

Refer to *note 2* to find out installation exclusion zones.

This certificate document is only valid for installations on top of the purlins up to 100 panels per roof area at a given building height. Contact engineering@clenergy.com.au for installations that exceed the aforementioned requirement.

General Notes

Note 1. Installation to be done only on top of the purlins with a maximum tolerance of 150 mm.



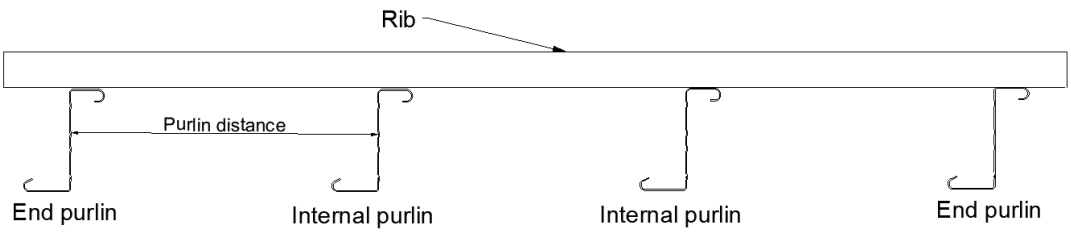
Note 2. Roof pitch between 1.5° and 10°.

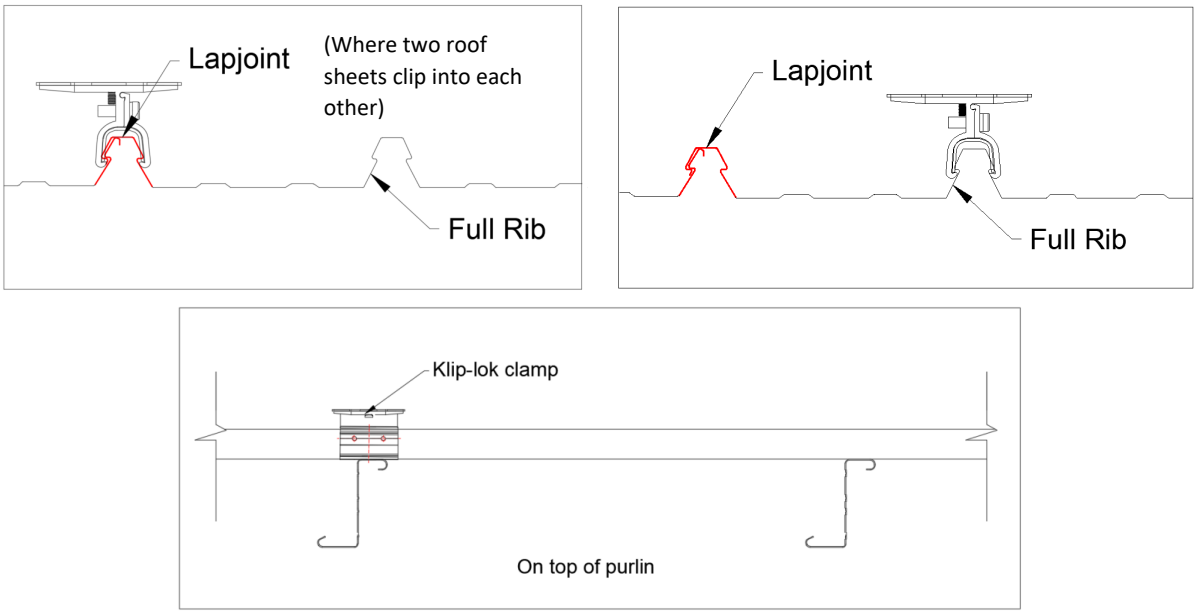
Note 3. Exclusion for installation of klip-lok clamps depending on the roof sheet type to be as per the following table.

Roof Sheet type	Exclusions	Test Repot No.
Lysaght KLIP-LOK 700 Classic	N/A	MT-19/0633-A
Lysaght KLIP-LOK 700 Hi-Strength	N/A	MT-11/023
Lysaght KLIP-LOK 406	N/A	MT-17/001-A
Stramit Speed Deck Ultra	N/A	MT-11/023
Fielders Kingklip 700	N/A	MT-11/280
Stratco Topdeck 700	N/A	MT-17/001-B and MT-19/1007
Lysaght Longline 305	N/A	MT-13/133
Metroll Metlok 700	· Exclude lapjoints	MT-19/0633-B
Stramit Speed Deck 500	N/A	MT-19/0762
Rev-klip 700	N/A	MT-19/1018-A
Metroll Metlok 500	· Exclude lapjoints	7530/MJ
Steeline Steel-Rib 500	N/A	MT-19/1090-B
Revolution Maxline 340	N/A	MT-19/1018-B
Steeline Lokdeck 680	N/A	20-0028

Contact Clenergy for a project specific assessment if you cannot comply the above exclusions.

Refer to the below pictures to find clamp position, rib type and location on respective roof sheet.





Note 4. Lysaght Longline 305 fixing spacings were calculated based on the capacity of Clenergy's ER-I-29 clamp and the roof sheet. When using Clenergy's ER-I-34 clamp, Longline 305 fixing spacings shall be reduced as follows:

Wind Region A	Wind Region B	Wind Region C
-80%	-80%	-70%

Note 5. Exclusion for installation of Clenergy's ER-I-34 on Lysaght Longline 305 roof sheet to be as per the below table

Roof Sheet type	Exclusions	Test Repot No.
Lysaght Longline 305	• Exclude lapjoints	MT- 20-0661

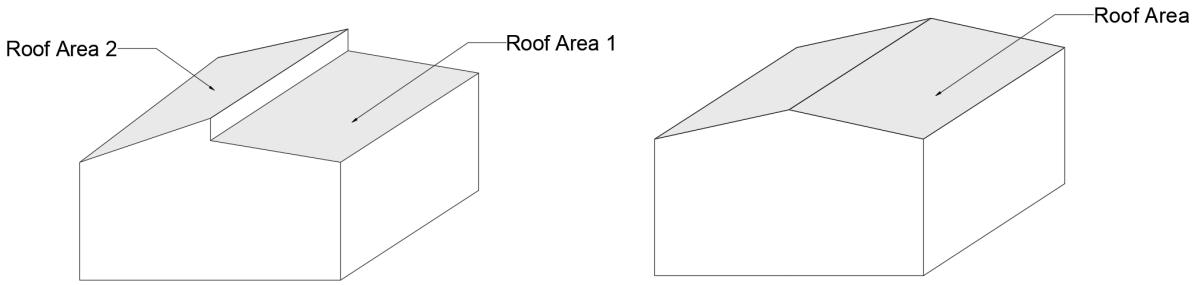
Note 6. Rails cannot run parallel to the ribs unless the applicable table spacings are equal or larger the purlin distance. Contact Clenergy if you are unable to comply with this condition or any of the installation specifications listed on this document.

Note 7. The spacing information in this document has been designed to be compliant with the capacity of the below items per roof area:

- Klip-lok clamp
- Roofing sheet
- Fixing clip between roofing sheet to purlin

Prior to carrying the PV installation, it is recommended to check that the roof sheet has been installed according to the manufacturers specifications and there are no missing clips.

Roof area is defined as a single surface that has no height variance.



Note 8. This document does not cover the following:

- Building frame capacity
- Off the purlin installation

Note 9. This certificate only covers the assessment of the Clenergy PV mounting system, including the components listed on note 4. Assessment of the roof structure, PV panels and other fixings are to be checked by the installer/contractor.

Note 10. The following components are satisfied for use according to AS/NZS 1664.1:1997-Amdt 1:1999 and AS/NZS 1170.2:2011 Amdt 4-2016.

Components	Part No.	Description
ECO-Rail	ER-R-ECO/XXXX	ECO Rail
Splice	ER-SP-ECO	PV-ezRack Splice for ECO rail
Australian Made Mill Finish ECO Rail	R-ECO/XXXX/AUMF	PV-ezRack Australian Made Mill Finish ECO Rail
Black ECO-Rail	ER-R-ECO/XXXX/BA	Black ECO Rail
Black Splice ECO Rail	ER-SP-ECO/BA	Splice ECO Rail Black
Roof bracket	ER-I-09	Klip-lok Bracket

Components	Part No.	Description
Roof bracket	ER-I-09/100/45	Klip-lok Bracket
Roof bracket	ER-I-29/AU	Klip-lok Bracket
Roof bracket	ER-I-32/AU	Klip-lok Bracket
Roof bracket	ER-I-34	Universal Klip-lok Bracket
Black Roof bracket	ER-I-09/BA	Black Klip-lok Bracket
Black Roof bracket	ER-I-09/100/45/BA	Black Klip-lok Bracket
Black Roof bracket	ER-I-29/BA	Black Klip-lok Bracket
Black Roof bracket	ER-I-32/BA	Black Klip-lok Bracket
Black Roof bracket	ER-I-34/BA	Universal Klip-lok Bracket
Inter Clamp	ER-IC-STXX	Inter Clamp = Clamp + Z-Module + Bolt

Components	Part No.	Description
End Clamp	ER-EC-STXX	End Clamp = Clamp + Z-Module + Bolt
Clamp	C-U/30/46-G	Universal Clamp for Frame Height 30-46mm with Grounding Clip
Clamp	C-U/30/46	Universal Clamp for Frame Height 30-46mm
End Clamp	ER-EC-DU35/40	End Clamp dual 35 or 40mm
End Clamp	ER-EC-DU40/46	End Clamp dual 40 or 46mm
Inter Security Clamp	ER-IC-STXX/S	Inter Clamp = Clamp + Z-Module + Security Bolt
End Security Clamp	ER-EC-STXX/S	End Clamp = Clamp + Z-Module + Security Bolt
Tilt Legs	ER-TL-10/15	10°/15° Adjustable Tilt Legs
Tilt Legs	ER-TL-15/30	15°/30° Adjustable Tilt Legs
Tilt Legs	ER-TL-30/60	30°/60° Adjustable Tilt Legs

Components	Part No.	Description
Tilt Legs	ER-TL-15/30/PS	15°/30° Adjustable Tilt Legs, Preassembly
Tilt Legs	ER-TL-5/PS	5° Fixed Tilt Legs, Preassembly
Tilt Legs	ER-TL-10/PS	10° Fixed Tilt Legs, Preassembly
Tilt Legs	ER-TL-FF	Front Foot of Tilt Legs
Black Tilt Legs	ER-TL-10/15/BA	Black 10°/15° Adjustable Tilt Legs
Black Tilt Legs	ER-TL-15/30/BA	Black 15°/30° Adjustable Tilt Legs
End Clamp (*)	EC-FL/GE/XX/XX	End Clamp for Frameless Module (glued EPDM)
Inter Clamp (*)	IC-FL/GE/XX/XX	Inter Clamp for Frameless Module (glued EPDM)
End Clamp (*)	ER-EC-FL/XX/XX	End Clamp for Frameless Module
Inter Clamp (*)	ER-IC-FL/XX/XX	Inter Clamp for Frameless Module

Components	Part No.	Description
Black End Clamp (*)	EC-FL/GE/XX/XX/B	Black End Clamp for Frameless Module (glued EPDM)
Black Inter Clamp (*)	IC-FL/GE/XX/XX/B	Black Inter Clamp for Frameless Module (glued EPDM)
Mid Clamp XX Black	ER-IC-STXXB	Inter Clamp XX Black
End Clamp XX Black	ER-EC-STXXB	End Clamp XX Black
Black Universal Clamp	C-U/30/46/BA	Black Universal Clamp
Black Universal Clamp	C-U/30/46-G/BA	Black Universal Clamp with grounding clip
Roof bracket	ER-I-34/CRC	Universal Klip-lok Bracket Pre-assembly with Cross Connection Clamp
Roof bracket	ER-I-34/05A/EZC	Universal Klip-lok Bracket Pre-assembly with Tin Interface
Roof bracket	ER-I-34/CRC/BA	Black Universal Klip-lok Bracket Pre-assembly with Cross Connection Clamp
Roof bracket	ER-I-34/05A/EZC/BA	Black Universal Klip-lok Bracket Pre-assembly with Tin Interface

(*) Subject to the panel manufacturer's installation guide.

Note 11. For Terrain Category (TC) definition, please refer to clause 4.2.1 of AS/NZS 1170.2:2011 (R2016).

Note 12. Wind Direction Multiplier (Md) taken as 1.0. Refer to clause 3.3 of AS/NZS 1170.2:2011 (R2016) for more information.

Note 13. Shielding Multiplier (Ms) taken as 1.0. Refer to clause 4.3 of AS/NZS 1170.2:2011 (R2016) for more information.

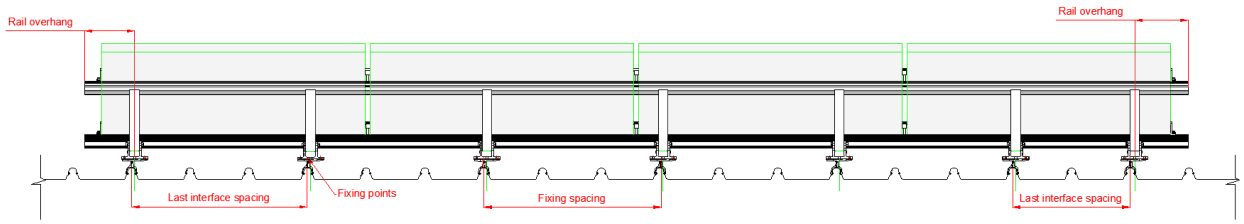
Note 14. Topographic Multiplier (Mt) taken as 1.0. Refer to clause 4.4 of AS/NZS 1170.2:2011 (R2016) for more information.

Note 15. This certificate cannot be used if the site is located on a hill, ridge or escarpment. Contact Clenergy if the aforementioned condition is met on site.

Note 16. Clamping zone of the PV panels shall be according to the manufacturer's specifications.

Note 17. Capacities checked and compared against testing data from Clenergy Australia and NATA certified testing.

Note 18. Rail overhang ends where the panel finishes and this should be less than 40% of the last installed interface spacing.



Note 19. From the date of publication onwards, any amendment made to any of the above-mentioned Standards will make this report outdated and a new one will have to be released, unless the amendment has no implications on this certificate.

Note 20. All components from Clenergy must be installed according to manufacturer's specification and the instructions shown in the relevant installation manual. Please check the Clenergy Australia website or contact them for access to the most recent installation manuals.

Note 21. Only hip and gable roofs installations are covered on this certificate. Contact Clenergy if you are planning to install on a different roof type such as curved, multi-span (pitched and saw-tooth), mansard, circular bins, silos, tanks, pitched free roofs, troughed free roofs, hypar free roos, canopies, awnings and cantilevered roofs.

Note 22. No consideration has been taken on the effect of snow loads. In case the roof is located in a snow prone area, a project specific design must be completed.

Note 23. Minimum number of bolts to be installed between the tilt leg base and the Klip-lok clamp to be one (1).

Note 24. Bolt between tilt leg base and the klip-lok clamp to be placed in the middle hole of the tilt leg base.

Note 25. This Engineering report is based on 2 m x 1 m panels and two rails per panel. However, for different panel sizes a percentage increase or decrease can be applied on all interface spacings as shown on the following table.

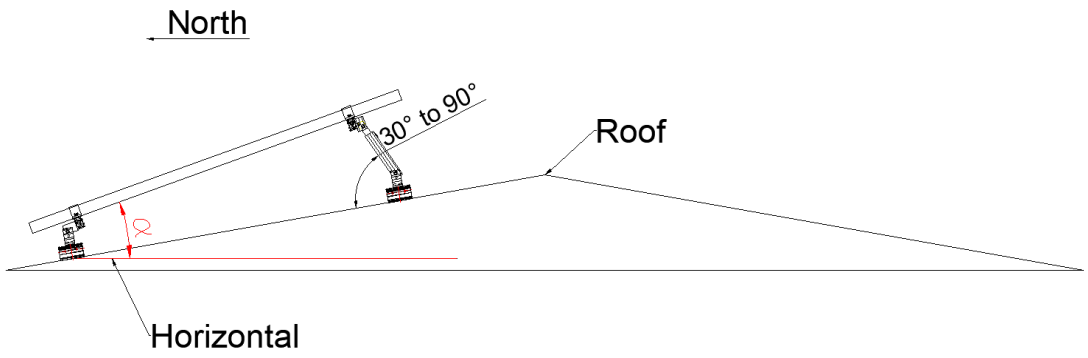
Number of rails per panel	Panel length (mm)	Spacing +/- W.R – A & B	Spacing +/- W.R – C & D
2 rails	≤ 1700	+ 6 %	+ 10 %
2 rails	≤ 1800	+ 4 %	+ 7 %
2 rails	≤ 1900	0 %	+ 5 %
2 rails	≤ 2000	0 %	0 %
2 rails	≤ 2100	- 10 %	- 6 %
2 rails	≤ 2200	- 18 %	- 12 %
2 rails	≤ 2300	- 20 %	- 12 %
2 rails	≤ 2400	- 25 %	- 15 %

Note 26. Panel width cannot exceed 1.20 m for any of the above panel length dimensions. Maximum panel weight of 15 kg/m^2

Note 27. If the installation is located in ISO corrosivity category C4 reduce the interface spacing by 5%. If the installation is located in ISO corrosivity category C5 reduce the interface spacing by 25%. For more details refer to Clenergy's warranty document.

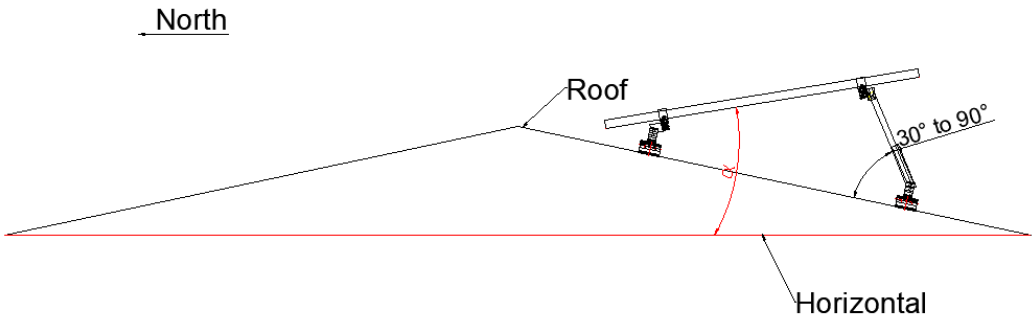
Note 28. Final tilt "**α**" identification as per below

Standard tilt



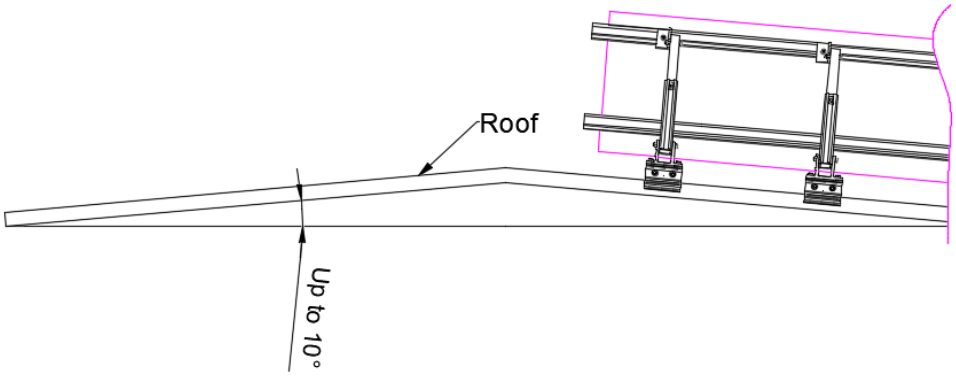
Back leg angle between 30° and 90°

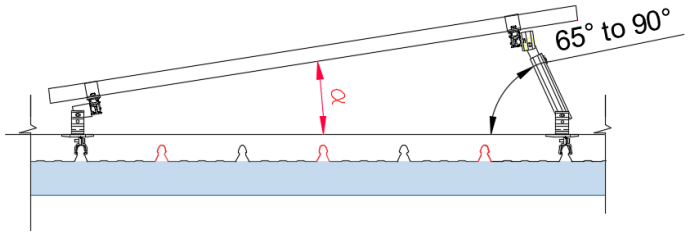
Reverse tilt



Back leg angle between 30° and 90°

ECO – Rail parallel to ribs





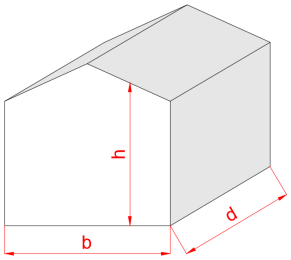
Back leg angle between 65° and 90°

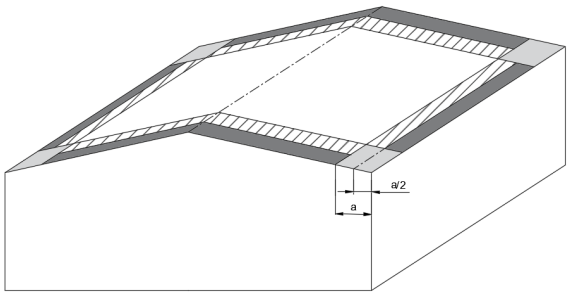
Note 29. Roof Zone definition to be calculated as per below:

Step 1. Determine building height (h), width (b) and length (d).

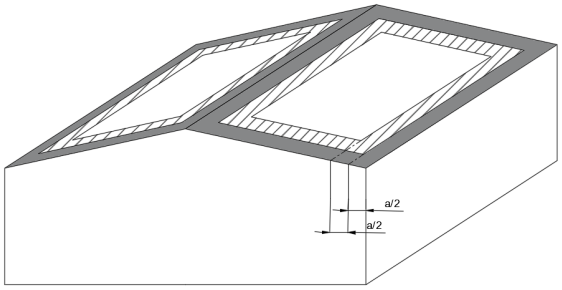
Step 2. Choose the lowest value between "h", "b x 0.2" and "d x 0.2".

Step 3. The lowest value on Step 2, equates to a.

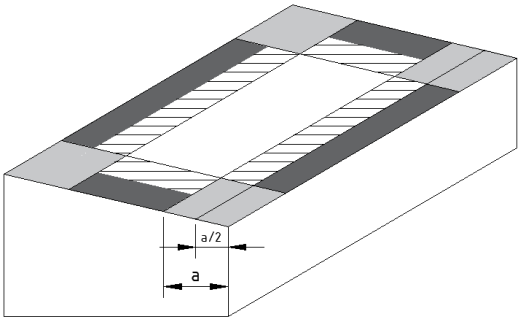




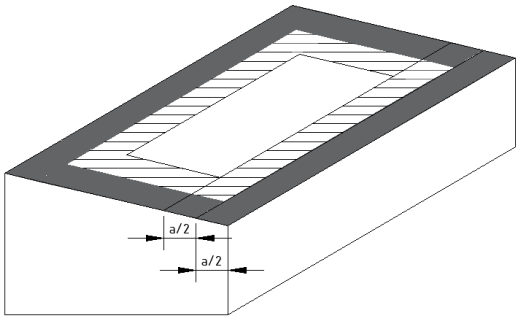
Roof Pitch < 10°



Roof Pitch ≥ 10°



Flat/Mono – Slope Roof < 10°



Flat/Mono – Slope Roof ≥ 10°

Legend:

- Internal Zone
- Intermediate Zone
- Edge Zone
- Corner Zone

Example for Klip-lok tilted systems

- Wind Region A
- Terrain Category: 3
- Building height: 5m
- Roof pitch: 3°
- Panel tilt: 10° (standard tilt)
- Reverse tilt installation
- Panel rail orientation: perpendicular to purlins
- Purlin spacing: 1500 mm
- Roof Sheet: Lysaght Klip-lok 700 Classic
- Panel dimension: 2 m x 1 m
- Clamp spacing as per below:

  - Internal: 1940 mm
  - Intermediate: 1290 mm
  - Edge: 970 mm
  - Corner: 650 mm
- Exclusions as per **note 2** for Klip-lok 700 Classic

Installation only feasible on top of the purlins, therefore:

  - Internal zone: 1500 mm (with a maximum tolerance of 150 mm)
  - Intermediate zone: Not feasible
  - Edge zone: Not feasible
  - Corner zone Not feasible