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35 Butler Street, Richmond VIC 3121 Tel: 03 9543 2211

Our Ref: 9981-03-02 (RE8726-01-02) /JD
4 July 2021

Tradezone Pty Ltd (Brand Name: Powerwave)
PO Box 3137, Helensvale
QLD 4212

PV Array Frame Engineering Certification

RE: AS/NZ 1170.2 Certification for Flush Mounted System on Lysaght Klip Lok 406 (Concealed Fix Roof)

Gamcorp (Melbourne) Pty Ltd, being Structural Engineers within the meaning of Australian Building Regulations, have carried out a structural design check of Flush Mounted System on Lysaght Klip Lok 406 (Concealed Fix Roof) within Australia. The design check is based on the information and test reports provided by Tradezone Pty Ltd.

For the indicative location of **full rib** in the roof sheeting, please see **Figure 1**.

This certificate is **only valid** for Flush Mounted System on Lysaght Klip Lok 406 (Concealed Fix Roof) itself. The roof structure or the building structure and PV panels shall be assessed separately and accordingly.

This certificate is **only valid** when roof clamp fixing to the **full rib** of roof sheeting on the top of the purlins. If the fixing condition is different from those conditions, interface spacing shall be reviewed and validated.

This certificate is **only valid** as a whole. Any information extracted from this certificate is not valid if standing alone.

We find the Installation of Flush Mounted System on Lysaght Klip Lok 406 (Concealed Fix Roof) for Australian use to be structurally sufficient based on the following conditions:

- Wind loads to AS/NZ1170.2:2011(R2016) Wind actions
- Wind region **A, B, C, D**
- Wind terrain category **2 & 3**
- Wind average recurrence interval of **200 years**
- Maximum building height **20m**
- The maximum assessed PV panel dimensions are **1670mm x 1000mm, 1970mm x 1000mm, 2100mm x 1050mm, 2200mm x 1200mm, 2400mm x 1200mm**
- Weight of the PV panel and array frame to be 15 kg/m²
- Rails to be **MA Rails**
- Roof clamp to be **Mibet Roof Clamp multi-functional 406**
- Material of Rails to be **AL6005-T5 UNO**
- Each PV panel to be installed using **2 rails** minimum in all circumstances
- Roof clamps to be fixed only to the **full rib** of roof sheeting on the top of the purlins (See **Figure 1**)

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- No PV panel to be installed within 2xs from edges and ridge. "s" is the maximum gap between the underside of the panel and the roof surface when installed on the roof ($50\text{mm} \leq s \leq 300\text{mm}$)
- Installation of PV panels to be done in accordance with the PV panels installation manual
- The certification **excludes** assessment of roof structure and PV panels

Refer to attached summary table for interface spacing (Unit: mm)

NOTES:

- **The recommended spacing nominated in this certification is based on the capacity of the array frame and the fixing of array frames to the roof, not the roof structure and PV panels. It is the responsibility of the installer to adopt the most critical spacing.**
- **If any of the above conditions cannot be met, the structural engineer must be notified immediately.**
- **The capacity of roof clamp was obtained from test report no. 8524-02/JD, dated 24th July 2020 and provided by Gamcorp (Melbourne) Pty Ltd.**
- **The spacing shown in the interface tables shall be adjusted based on the assessment and requirement of the roof structures.**

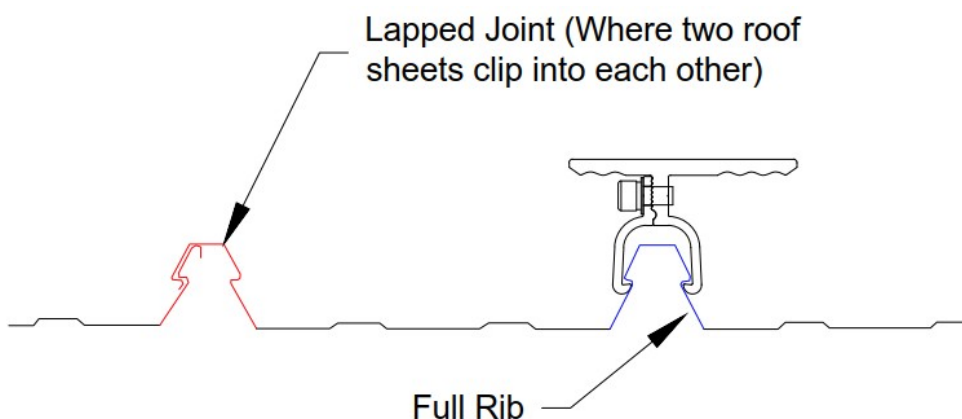


Figure 1 – Full Rib Location For Indicative



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Construction is to be carried out strictly in accordance with the manufacturers instructions. This work was designed by **Jiewen Deng** in accordance with the provisions of Australian Building Regulations and in accordance with sound, widely accepted engineering principles. This certificate is only valid till 05/07/2023. Gamcorp should be contacted for future validation. Contact Gamcorp for customised system or if the site conditions are not covered by this assessment.

Yours faithfully,
Gamcorp (Melbourne) Pty Ltd

A handwritten signature in black ink, appearing to read 'L. Van Spaandonk'.

L. Van Spaandonk
Principal Engineer
FIEAust CPEng NER 5038980
NT Registration: 244137ES
QLD Registration: 18703
VIC Registration: EC 45972
TAS Registration: CC7366

Attachments:

- Summary table for interface spacing, Flush mount - Lysaght Klip Lok 406(Concealed Fix Roof)

*ISO 9001:2015 Registered Firm
Certificate No: AU1222*

Structural Design Documentation

Mibet Flush Array Frame System Spacing Table

According to AS/NZS 1170.2-2011 (R2016)

with MA Rail – Lysaght Klip-Lok 406

within Australia

Terrain Category 2 & 3

For: Tradezone Pty Ltd (Brand Name: Powerwave)
PO Box 3137, Helensvale
QLD 4212

Job Number: 9981-03-02
Date: 02/07/2021



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ISO 9001:2015 Registered Firm
Certificate No: AU1222

Job No: 9981-03-02
Client: Tradezone Pty Ltd (Brand Name: Powerwave)
Project: Mibet Flush Array Frame System Spacing Table
with MA Rail – Lysaght Klip-Lok 406
Address: within Australia

Australian Standards

AS/NZS 1170.0:2002 – Structural design actions, Part 0: General principles
AS/NZS 1170.1:2002 (R2016) – Structural design actions, Part 1: Permanent, imposed and other actions
AS/NZS 1170.2:2011 (R2016) – Structural design actions, Part 2: Wind actions
AS/NZS 1664.1:1997 – Aluminium structures - Limit state design
AS 4100:2020 – Steel Structures
AS/NZS 4600:2018 – Cold-formed Steel Structures

Wind Terrain Category: WTC 2 & 3

Designed: JD
Checked: AA
Date: Jul-21

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 1.67mx1m
 Terrain category: 2

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	720	1110	1530	1865	590	905	1235	1755	530	815	1110	1700	500	770	1045	1640
B	480	740	1005	1570	395	605	820	1270	360	545	740	1140	--	515	695	1070
C	--	475	645	995	--	390	530	810	--	355	475	730	--	--	450	690
D	--	--	415	635	--	--	--	520	--	--	--	470	--	--	--	445

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	490	750	1020	1595	400	610	830	1290	355	550	745	1155	--	520	705	1090
B	--	500	680	1045	--	410	555	855	--	370	500	770	--	350	470	725
C	--	--	440	670	--	--	360	550	--	--	--	495	--	--	--	470
D	--	--	--	430	--	--	--	355	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 1.67mx1m
 Terrain category: 3

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	875	1360	1740	1990	875	1360	1740	1990	750	1165	1600	1895	670	1035	1420	1830
B	585	895	1225	1915	585	895	1225	1915	505	775	1050	1650	450	685	935	1460
C	380	580	785	1215	380	580	785	1215	--	500	675	1040	--	445	600	925
D	--	370	500	770	--	370	500	770	--	--	435	665	--	--	385	590

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	590	910	1245	1760	590	910	1245	1760	510	780	1065	1670	455	700	950	1480
B	395	605	820	1275	395	605	820	1275	--	525	710	1095	--	465	630	975
C	--	395	530	815	--	395	530	815	--	--	460	700	--	--	410	625
D	--	--	--	520	--	--	--	520	--	--	--	450	--	--	--	405

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 1.97mx1m
 Terrain category: 2

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	610	940	1295	1790	500	765	1045	1655	450	690	940	1475	425	650	885	1390
B	410	625	850	1330	335	510	695	1080	--	460	625	970	--	435	590	910
C	--	405	545	845	--	330	445	685	--	--	405	620	--	--	380	585
D	--	--	350	535	--	--	--	440	--	--	--	395	--	--	--	375

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	415	635	865	1350	240	520	705	1095	--	465	635	980	--	440	600	925
B	--	425	575	885	--	350	470	725	--	--	425	650	--	--	400	615
C	--	--	370	570	--	--	--	465	--	--	--	420	--	--	--	395
D	--	--	--	365	--	--	--	--	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.

*Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 1.97mx1m
 Terrain category: 3

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	740	1150	1590	1910	740	1150	1590	1910	635	985	1355	1820	570	875	1205	1755
B	495	760	1035	1635	495	760	1035	1635	425	655	890	1395	380	585	790	1235
C	220	490	665	1030	220	490	665	1030	--	420	570	880	--	375	510	785
D	--	--	425	650	--	--	425	650	--	--	370	565	--	--	325	500

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	500	770	1055	1665	500	770	1055	1665	430	665	905	1415	385	590	805	1255
B	335	515	695	1080	335	515	695	1080	--	445	600	930	--	395	535	825
C	--	335	450	690	--	335	450	690	--	--	390	595	--	--	345	530
D	--	--	--	440	--	--	--	440	--	--	--	385	--	--	--	340

*For intermediate values of h/d ratios, linear interpolation shall be used.

*Refer to Note 7- Figure 2 for roof zone definition.



Relationships built on trust

Client: **Tradezone Pty Ltd (Brand Name: Powerwave)**
 Project: **Solar Array Interface Spacing Table**
 Address: **within Australia**
 Designed: **JD**

Job: **9981-03-02**
 Date: **Jul-21**

Checked: **AA**

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 2.1mx1.05m
 Terrain category: 2

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal
A	570	885	1215	1765	465	720	985	1555	415	645	880	1385	295	610	835	1305
B	385	585	800	1250	--	480	650	1010	--	435	585	910	--	410	550	850
C	--	380	515	790	--	--	420	645	--	--	380	580	--	--	355	545
D	--	--	--	505	--	--	--	415	--	--	--	375	--	--	--	350

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal
A	280	595	810	1265	--	485	660	1025	--	440	595	920	--	405	560	865
B	--	400	540	830	--	--	440	680	--	--	400	610	--	--	375	575
C	--	--	345	535	--	--	--	435	--	--	--	395	--	--	--	370
D	--	--	--	320	--	--	--	--	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 2.1mx1.05m
 Terrain category: 3

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal
A	695	1080	1495	1880	695	1080	1495	1880	595	925	1270	1790	535	825	1130	1725
B	465	710	975	1535	465	710	975	1535	400	615	835	1310	355	545	745	1160
C	--	460	625	965	--	460	625	965	--	395	535	825	--	355	475	735
D	--	--	400	610	--	--	400	610	--	--	340	525	--	--	--	470

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal	Corner	Edge	Interme diate	Internal
A	470	725	985	1560	470	725	985	1560	305	620	845	1330	--	555	755	1175
B	--	480	655	1015	--	480	655	1015	--	415	565	870	--	370	500	775
C	--	--	425	650	--	--	425	650	--	--	365	555	--	--	--	495
D	--	--	--	415	--	--	--	415	--	--	--	360	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 2.2mx1.2m
 Terrain category: 2

h/d ≤ 0.5* - Refer to notes for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	330	795	1160	1745	--	640	940	1485	--	595	795	1320	--	465	725	1245
B	--	560	760	1195	--	450	620	965	--	285	560	865	--	--	525	815
C	--	--	490	755	--	--	285	615	--	--	--	555	--	--	--	525
D	--	--	--	480	--	--	--	390	--	--	--	--	--	--	--	--

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	--	390	710	1210	--	--	595	980	--	--	390	870	--	--	--	760
B	--	--	515	795	--	--	300	645	--	--	--	585	--	--	--	550
C	--	--	--	510	--	--	--	300	--	--	--	--	--	--	--	--
D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 2.2mx1.2m
 Terrain category: 3

h/d ≤ 0.5* - Refer to notes for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	620	1030	1425	1855	620	1030	1425	1855	425	880	1215	1770	--	725	1075	1705
B	325	680	930	1465	325	680	930	1465	--	585	800	1250	--	520	710	1105
C	--	435	595	920	--	435	595	920	--	--	510	790	--	--	455	700
D	--	--	265	585	--	--	265	585	--	--	--	505	--	--	--	450

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal	Corner	Edge	Intermedate	Internal
A	--	640	945	1490	--	640	945	1490	--	480	750	1265	--	--	665	1125
B	--	460	625	970	--	460	625	970	--	--	540	830	--	--	480	740
C	--	--	285	620	--	--	285	620	--	--	--	530	--	--	--	475
D	--	--	--	390	--	--	--	390	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 2.4mx1.2m
 Terrain category: 2

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal
A	--	710	1065	1700	--	600	835	1360	--	390	715	1210	--	--	675	1140
B	--	515	700	1090	--	300	570	885	--	--	515	795	--	--	480	745
C	--	--	450	690	--	--	--	565	--	--	--	510	--	--	--	480
D	--	--	--	440	--	--	--	--	--	--	--	--	--	--	--	--

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal
A	--	--	655	1110	--	--	450	895	--	--	--	740	--	--	--	700
B	--	--	465	725	--	--	--	595	--	--	--	535	--	--	--	505
C	--	--	--	465	--	--	--	--	--	--	--	--	--	--	--	--
D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

**Flush Array Frame System Spacing Table for
 LYSAGHT Klip-Lok 406 roof sheeting – mm**

Type of Roof: LYSAGHT Klip-Lok 406
 Type of Rail: MA Rail
 Type of Interface: Mibet Roof Clamp 406 (multi-functional)
 Solar Panel Dimension: 2.4mx1.2m
 Terrain category: 3

h/d ≤ 0.5* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal
A	555	945	1310	1815	555	945	1310	1815	--	750	1115	1730	--	665	985	1575
B	260	625	850	1345	260	625	850	1345	--	535	730	1145	--	480	650	1015
C	--	285	545	845	--	285	545	845	--	--	470	725	--	--	300	645
D	--	--	--	535	--	--	--	535	--	--	--	460	--	--	--	410

h/d ≥ 1* - Refer to Note 5 for definition of h and d.

Wind Region	Building Height – H (m)															
	H ≤ 5				5 < H ≤ 10				10 < H ≤ 15				15 < H ≤ 20			
	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal	Corner	Edge	Interme date	Internal
A	--	605	845	1365	--	605	845	1365	--	330	690	1160	--	--	620	1030
B	--	300	570	885	--	300	570	885	--	--	495	765	--	--	325	675
C	--	--	--	565	--	--	--	565	--	--	--	485	--	--	--	425
D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

*For intermediate values of h/d ratios, linear interpolation shall be used.
 *Refer to Note 7- Figure 2 for roof zone definition.

General Notes

Note 1 Following components are satisfied to use according to AS/NZS 1170.2-2011(R2016)

Components	Part number	Comments
Inter Clamp Kit (MA)	Inter Clamp Kit (MA)	as per drawing provided by client
End Clamp Kit (MA)	End Clamp Kit (MA)	as per drawing provided by client
Roof Clamp	Mibet Roof Clamp 406 (multi-functional)	as per drawing provided by client
MA Rail	MA Rail	as per drawing provided by client

Note 2 Maximum uplift wind pressure is limited to 5 kPa. -- states more uplift pressure.

Note 3 Deflection is limited to Minimum of L/120 and 15mm

Note 4 Terrain Category 2 (TC2) refers to open terrain, including grassland, with well-scattered obstructions having heights generally from 1.5 m to 5 m, with no more than two obstructions per hectare, e.g. farmland and cleared subdivisions with isolated trees and uncut grass.
 Terrain Category 3 (TC3) refers to terrain with numerous closely spaced obstructions having heights generally from 3 m to 10 m. The minimum density of obstructions shall be at least the equivalent of 10 house-size obstructions per hectare, e.g. suburban housing, light industrial estates or dense forests.

Note 5 Refer to Figure 1 for definition of h and d.

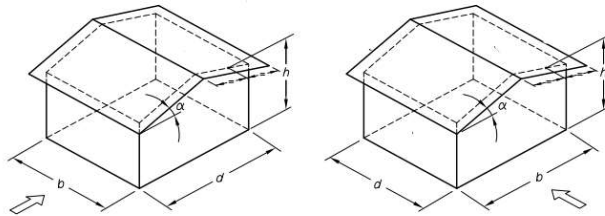
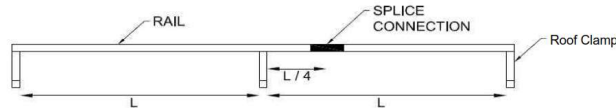
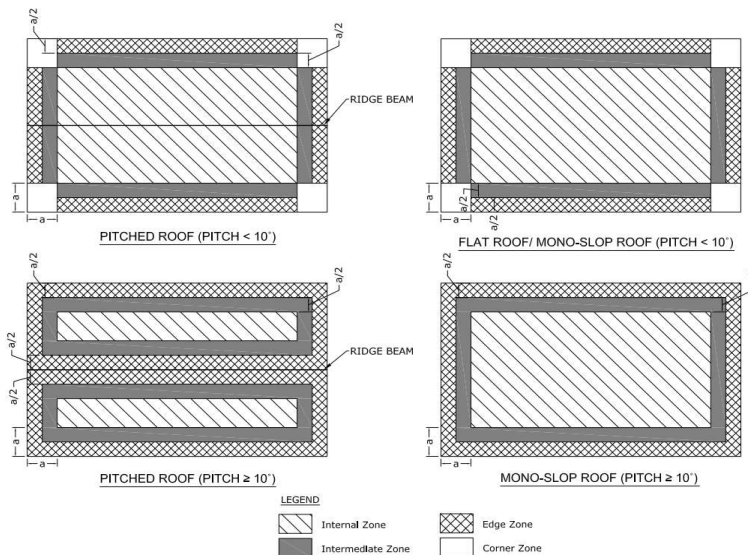


Figure 1 - h and d definition

Note 6 The optimised location of rail splice connection is at quarter length of the spacing of the interface. No Splice connection should be placed at the centre of spacing or over the interface.



Note 7 Refer Figure 2 for definition of roof zones.



In Figure 2, the value of dimension "a" is the minimum of 0.2b, 0.2d and h. (b & d are building dimensions and h is its height)