



ROOFING & WALLING PRODUCTS

Pierce-Fastened Roof System



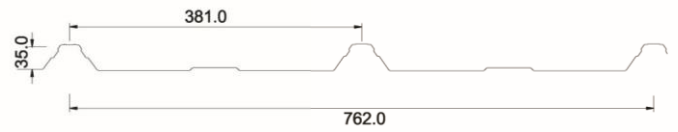
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CONCEALED RIB

Industrial Profile Metal Roofing



SECTIONAL PROFILE



Dimensions

Rib height : 35mm ±1mm
 Effective cover : 762mm
 Minimum roof pitch : 2°

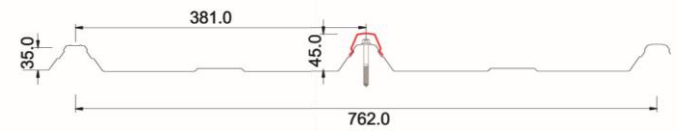
Tolerance

Thickness for material : ±0.03mm
 Effective Width : ±5mm
 Finishing Length : ±5mm

- Roll - forming long length high tensile metal decking.
- Manufactured from high tensile steel substrate protected with corrosion inhibitive treatment.
- Roofing and walling profiles with material warranty up to 25 years. *(Warranty terms & conditions apply)*
- With effective cover width of 762mm and rib height of 35mm which can be elevated to 45mm with our Rib Caps.
- Recommended minimum roof pitch is 2°.
- Innovative, durable and cost effective.
- Widely used for commercial and industrial projects such as factories, condominium, cabin, hoarding, and etc.

WITH RIB CAP

SECTIONAL PROFILE



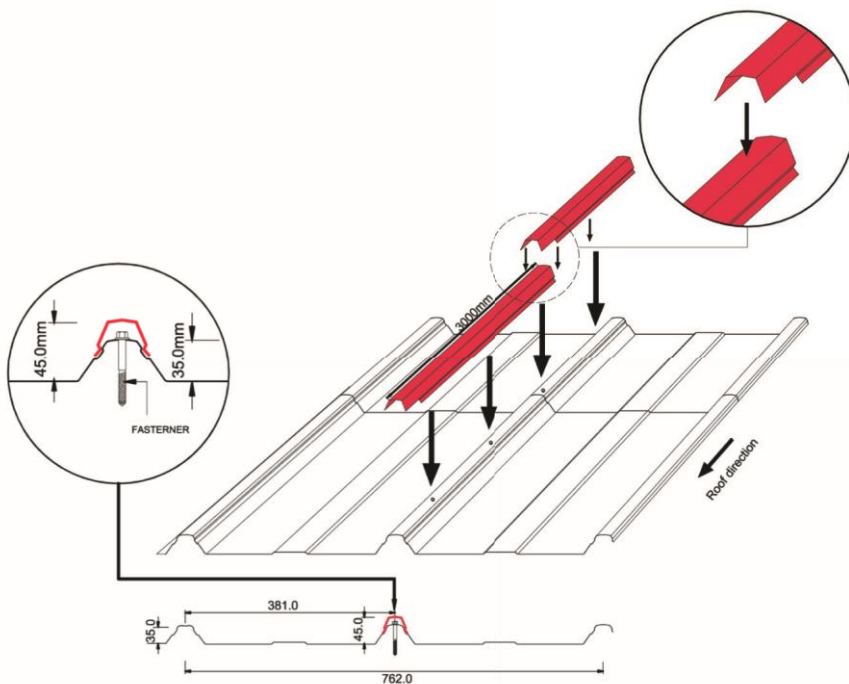
Dimensions

Rib height : 45mm ±1mm
 Effective cover : 762mm
 Minimum roof pitch : 2°

Tolerance

Thickness for material : ±0.03mm
 Effective Width : ±5mm
 Finishing Length : ±5mm

CONCEALED RIB CAP DETAILS



CONCEALED RIB BENEFITS

-  **Enhanced Aesthetics**
-  **Improved Weather Resistance**
-  **Increased Durability**
-  **Enhanced Structural Support**
-  **Improved Thermal Performance**
-  **Reduced Maintenance**
-  **Versatile Design Options**
-  **Increased Property Value**
-  **Easy and Fast Installation**

Concealed Rib	AVAILABLE THICKNESS ***						
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	* Weight per meter (kg/m)	* Weight per sq meter (kg/m ²)	* Coverage per ton (m ² /MT)	Steel Grade	Minimum Yield Strength (MPa)
	0.35	0.40	2.65	3.48	287	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.40	0.46	3.01	3.95	253	JIS3312[MS2383] / AS1397 [MS1196]	550
	0.42	0.48	3.15	4.13	241	JIS3312[MS2383] / AS1397 [MS1196]	550
0.48**	0.53	3.58	4.70	212	JIS3312[MS2383] / AS1397 [MS1196]	550	

- Total Coated Thickness [TCT] depends on Coating Mass. Please contact our technical department for advice, or, other thickness.

*Weight shown above is depending on material used.

**0.48mm: Depends on material availability.

Concealed Rib	DISTRIBUTED LOAD CAPACITY – CONTINUOUS SPAN CONDITION ***											
	Thickness (mm) [BMT]	SPAN	mm	900	1050	1200	1350	1500	1650	1800	1950	2100
	0.35	Serviceability	kN/m ²	2.50	1.98	1.61	1.34	1.13	0.97	0.84	0.74	0.65
		Strength		4.00	3.17	2.57	2.14	1.81	1.55	1.34	1.18	1.04
	0.40	Serviceability		3.08	2.45	1.90	1.60	1.30	1.15	1.00	0.90	0.75
		Strength		4.91	3.91	3.03	2.55	2.07	1.83	1.59	1.43	1.19
	0.42	Serviceability		3.33	2.63	2.23	1.78	1.48	1.28	1.08	0.98	0.83
		Strength		5.32	4.20	3.56	2.84	2.36	2.04	1.72	1.56	1.32
	0.48	Serviceability		4.03	3.23	2.63	2.13	1.83	1.58	1.33	1.18	1.03
		Strength		6.44	5.16	4.20	3.40	2.92	2.52	2.12	1.88	1.64

- Based on dead load 0.1kN/m², Live load 0.25kN/m² & wind load 0.75kN/m².

- Deflection Limit: SPAN/180.

Concealed Rib	RECOMMENDED MAXIMUM SPACING OF SUPPORTS ***					
	Base Metal Thickness (mm)	Total Coated Thickness (mm)	ROOF		WALL	
			End Span (mm)	Internal Span (mm)	End Span (mm)	Internal Span (mm)
	0.35	0.40	900	1000	1200	1500
0.40	0.46	1200	1500	1700	2000	
0.42	0.48	1200	1500	1700	2000	
0.48	0.53	1300	1700	2000	2300	

- Based on dead load 0.1kN/m², live load 0.25kN/m², wind load 0.75kN/m².

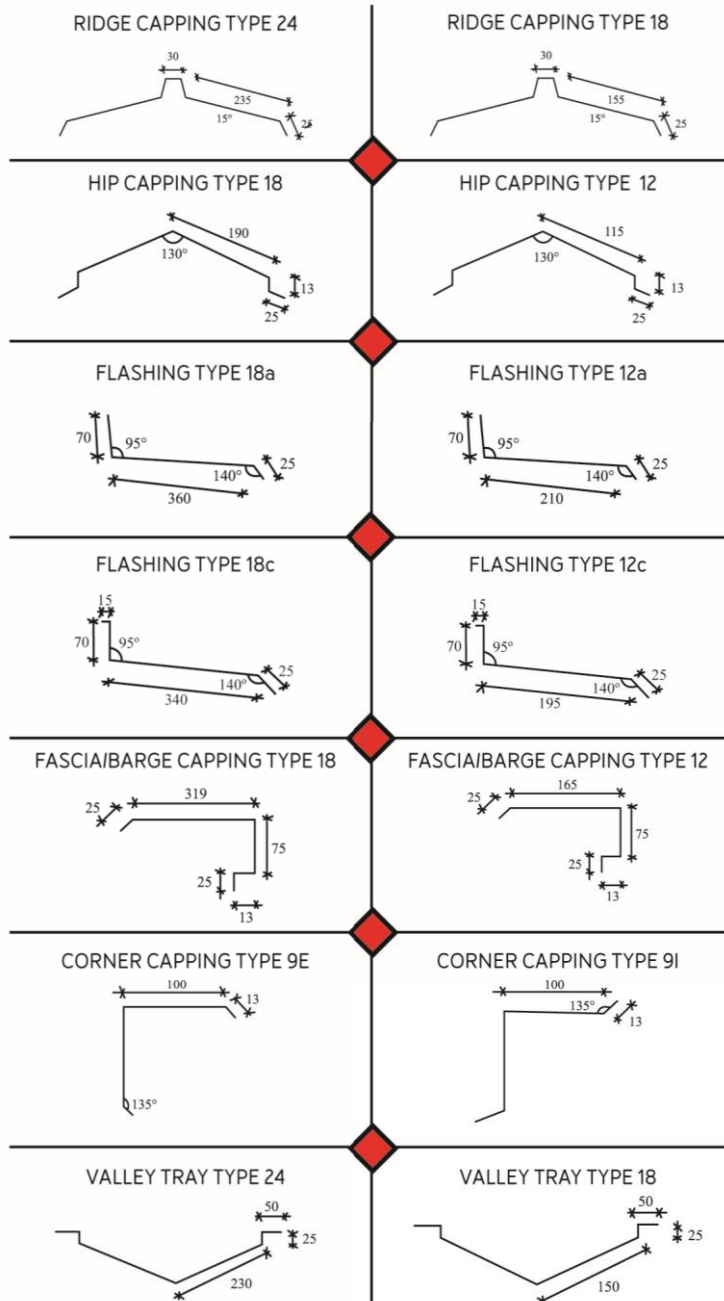
Concealed Rib	RECOMMENDED MAXIMUM ROOF LENGTH [M] ***				
	SLOPE IN DEGREE	2°	3°	5°	7.5°
	RAINFALL (mm/h)				
	250	158	185	230	275
	300	131	154	192	229
	400	98	116	144	171
500	79	92	115	137	

-The amount of water that must be shed increases with the length of the roof. To avoid possible back-up of water in severe wind conditions, the following recommended roof length should be considered as maximum for a given roof pitch and rain fall rate.

Bungalow, Tanjung Kling, Melaka



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COLOR SELECTION CHART



AJIYA Colour Chart



PrimaMaju Colour Chart



CEP Colour Chart



CCB Colour Chart

Note:

Colours printed in this brochure are as close as normal printing process would allow and customers are advised to check and verify your chosen colour against an actual sample of the product before purchasing.

Other colours and thickness available upon request. Subject to stock availability and time delivery. All colours shown above are close to the actual steel colour as the limitation of the actual colour tones.

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