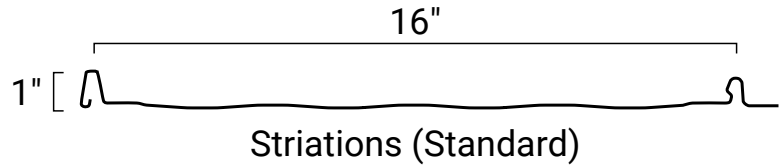


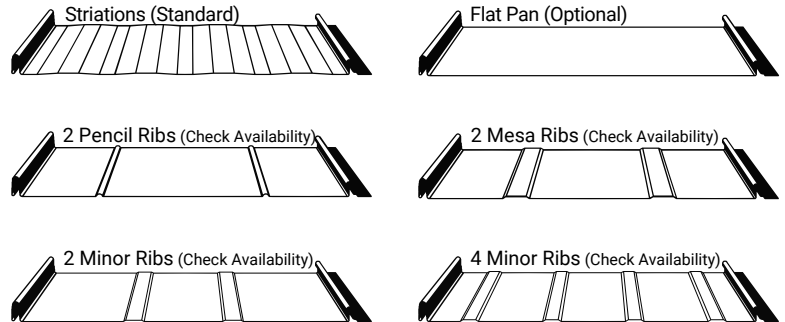
Image II - Technical Sheet

STANDARD PROFILE



ALL PROFILES (CHECK AVAILABILITY)

The striated profile option provides the best means for reducing the visibility of any potential oil-canning.



ARCHITECTURAL
RESIDENTIAL
PANEL

CONCEALED
FASTENED

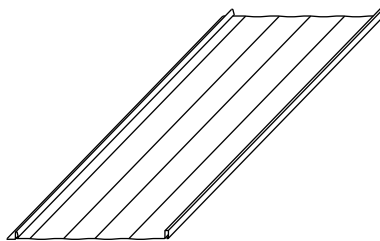
16"
COVERAGE

MINIMUM
SLOPE
3:12

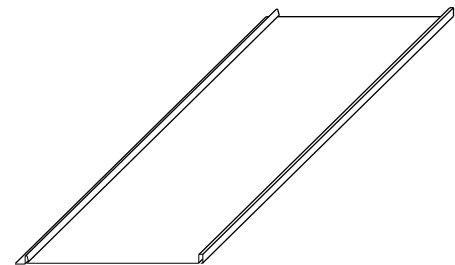
SOLID WOOD
SUBSTRATE

PANEL OVERVIEW

- ▶ Finishes: SMP Painted, PVDF and Acrylic-Coated Galvalume®
- ▶ Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®
AZ50 per ASTM A 792 for painted Galvalume®
G90 per ASTM A 653 for Galvanized
- ▶ Gauges: 26 ga standard; 24 ga optional
- ▶ 16" panel coverage standard (other widths by plant), 1" rib height
- ▶ Panel Length: Minimum: 3-5' (by plant); Maximum: 35' recommended, some plants up to 48-48'
- ▶ Architectural, concealed direct fastened, integral standing rib roof system
- ▶ Minimum roof slope: 3:12
- ▶ Applies over plywood with minimum 30# felt underlayment



With Striations (Standard)



Flat Pan (Optional)

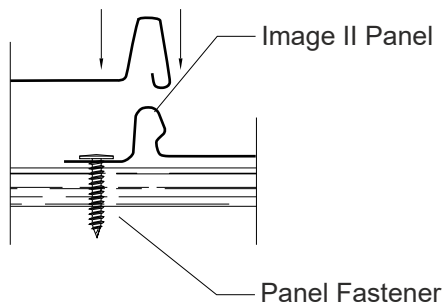
TESTING AND APPROVALS

- ▶ UL 2218 Impact Resistance - Class 4
- ▶ UL 790 Fire Resistance Rating - Class A, per building code
- ▶ UL 263 Fire Resistance Rating - per assembly
- ▶ UL 580 Uplift Resistance - Class 90 - See Report for Requirements
- ▶ Texas Windstorm - See Report for Requirements
- ▶ 2017 FBC Approvals - See Report for Requirements
- ▶ Miami-Dade County, Florida NOA - See Report for Requirements
- ▶ ICC Evaluation Report - See Report for Requirements

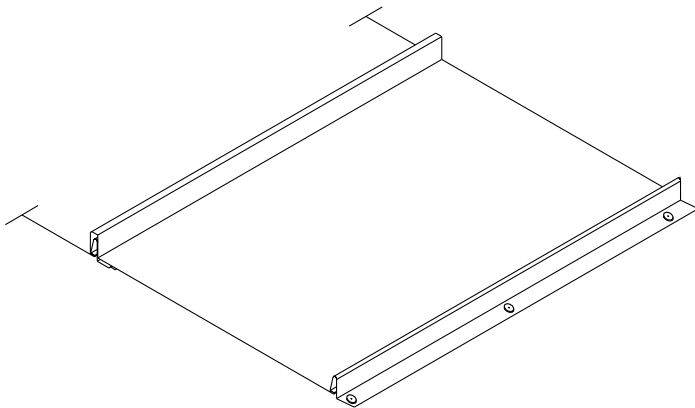

BEST BUY METALS
Roofing That Lasts

Image II - Technical Sheet

ATTACHMENT DETAIL



FASTENING PATTERN



FASTENER INFORMATION

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

Panel Fastener:
Pancake Head Wood Screw

Concealed End Fastener:
Pancake Head Wood Screw

Exposed End Fastener:
Wood Screw

Trim Fastener:
Stitch Screw
or
Pop Rivet

SECTION PROPERTIES

ALLOWABLE UNIFORM LOADS, psf For various fastener spacings

Ga	Width in	Yield ksi	Weight psf	Top In Compression				Bottom In Compression				Outward Load			
				I _{xx} in ⁴ /ft		S _{xx} in ³ /ft		I _{xx} in ⁴ /ft		S _{xx} in ³ /ft		0.5'	1'	1.5'	2'
				I _{xx}	S _{xx}	I _{xx}	S _{xx}	I _{xx}	S _{xx}	I _{xx}	S _{xx}				
26	16	50	0.92	0.0165	0.0174	0.0165	0.0177	103	96	90	84				
24	16	50	1.19	0.0210	0.0226	0.0210	0.0226	103	96	90	84				

- Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. I_{xx} and S_{xx} are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear, deflection and UL 580 uplift test using #10-12 Pancake Wood Screws into 5/8" plywood. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, or support material. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase for wind.