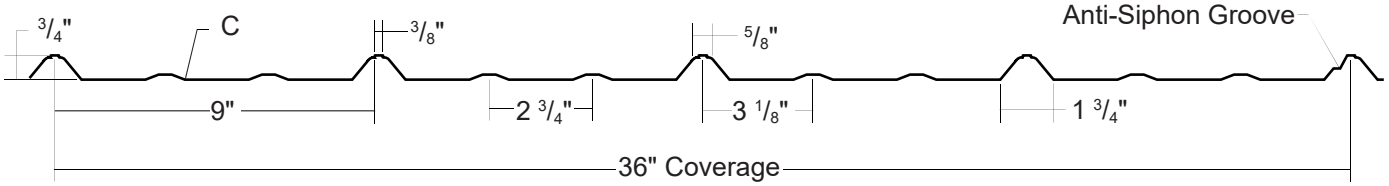
CLASSIC RIB®

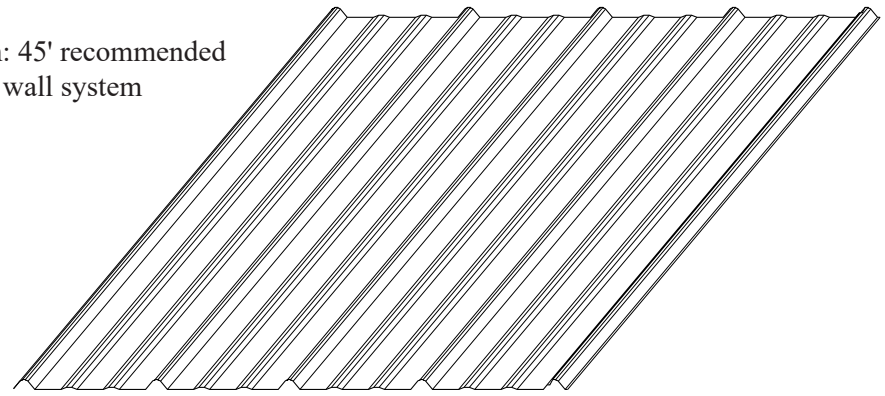
Condensed Technical Reference



COMMERCIAL RESIDENTIAL PANEL | **EXPOSED FASTENED** | **36" COVERAGE** | **MINIMUM SLOPE 3:12** | **OPEN FRAMING OR SOLID SUBSTRATE**

PANEL OVERVIEW

- Finishes: MS Colorfast45® and Acrylic-Coated Galvalume®
- Corrosion Protection: AZ55 per ASTM A 792 for unpainted Galvalume®
  AZ50 per ASTM A 792 for painted Galvalume®
  G60, G90 or G100 per ASTM A 653 for Galvanized
- Gauges: 29 ga and 26 ga standard; 24 ga optional
- 36" panel coverage, 3/4" rib height
- Panel Length: Minimum: 5'; Maximum: 45' recommended
- Exposed fastened, low profile roof and wall system
- Bell-top trapezoidal rib on 9" centers
- Minimum roof slope: 3:12



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 Constructions: #560, 584
- ASTM E 455, Diaphragm Capacity
- Texas Windstorm - Evaluations RC-161 and RC-391
- 2017 FBC Approvals - FL9482.2, FL9482.3, 10999.3, FL 10999.4, FL14645.8, FL14645.9, FL14645.10 and FL 14645.11
- Miami-Dade County, Florida NOA 16-0218.02 expires 8/24/2021
- ICC Evaluation Report - ESR-2385

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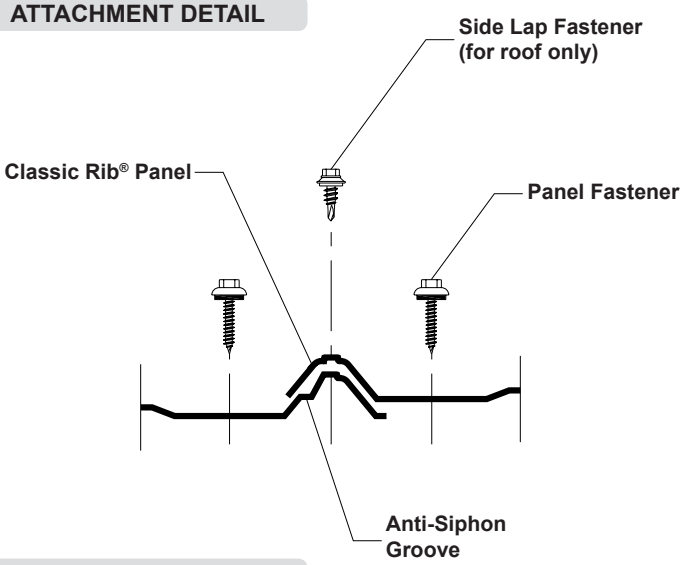
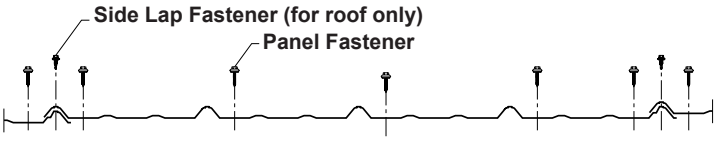
ATTACHMENT DETAIL

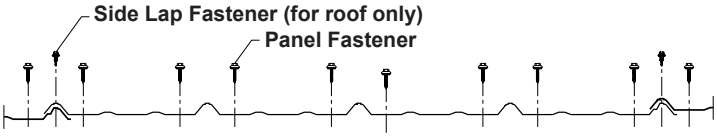


FASTENING PATTERN

Field of Panel



Ends of Panel



FASTENER INFORMATION

Overdriven fasteners will cause panel distortions.

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

Thick panels (ex. 18 ga) or supports (ex. 1/2" steel) may require predrilling of holes for screws.

Panel Fasteners:
- Attaching to Wood:
  - #10-14 Wood Screw
  - #10-14 XL Wood Screw
- Attaching to Steel:
  - #12-14 Self Drilling Screw
  - #12-14 XL Self Drilling Screw

Side Lap Fastener:
- 1/4"-14 x 7/8" Stitch Screw
- 1/4"-14 x 7/8" XL Stitch Screw

Trim Fastener:
- 1/4"-14 x 7/8" Stitch Screw
- 1/4"-14 x 7/8" XL Stitch Screw

SECTION PROPERTIES

ALLOWABLE UNIFORM LIVE LOADS, psf For various fastener spacings

Ga	Width in	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				Ixx in^4/ft	Sxx in^3/ft	Ixx in^4/ft	Sxx in^3/ft	1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
29	36	80	0.62	0.0100	0.0151	0.0053	0.0118	142	81	52	36	27	21	179	103	66	46	34	26
26	36	80	0.79	0.0127	0.0192	0.0070	0.0153	185	105	68	47	35	27	227	131	84	59	44	33
24	36	50	1.03	0.0163	0.0249	0.0103	0.0208	208	119	77	53	39	30	245	141	91	64	47	36

1. Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material or load testing. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase for wind.
5. **Diaphragm Capacity** - 246 plf average Ultimate Shear Strength using the above fastening pattern on 2x supports located 2' on center, per ASTM E 445.

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