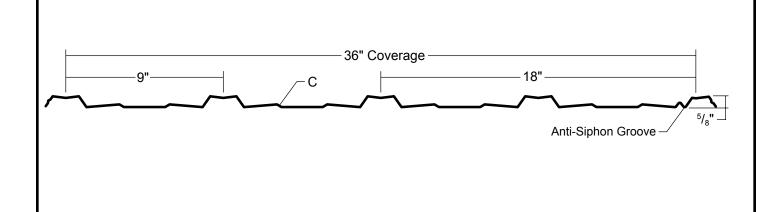
STRONGPANEL®





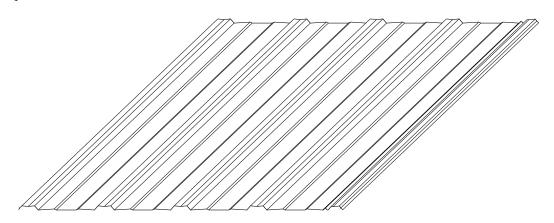
COMMERCIAL RESIDENTIAL PANEL **EXPOSED** FASTENED

36" COVERAGE MINIMUM SLOPE 3:12

OPEN FRAMING OR SOLID SUBSTRATE

PANEL OVERVIEW

- ► Finishes: MS Strongcoat45®
- Corrosion Protection: G90 per ASTM A 653
- ► Gauge: 29 ga (0.016")
- ▶ 36" panel coverage, ⁵/₈" rib height
- ▶ Panel Length: Minimum: 6'; Maximum: 36' recommended
- ► Exposed fastened metal building roof and wall system
- ► Classic Board and Batten design, on 9" centers
- ► Minimum roof slope: 3:12



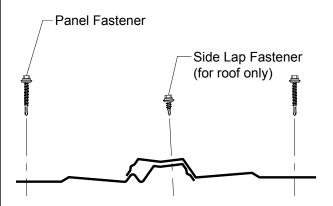
TESTING AND APPROVALS

- ► UL 2218 Impact Resistance Class 4
- ▶ UL 790 Fire Resistance Rating Class A, per building code
- ► UL 263 Fire Resistance Rating per assembly
- ► Texas Windstorm Evaluations RC-405 and RC-406

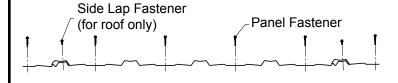


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ATTACHMENT DETAIL



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.

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

Panel Fastener:

Attaching to Wood:

#10-14 Wood Screw

Attaching to Steel:

#12-14 Self Drilling Screw

Side Lap Fastener:

1/4"-14 x 7/8" Stitch Screw

Trim Fastener:

1/4"-14 x 7/8" Stitch Screw

SECTION PROPERTIES									ALLOWABLE UNIFORM LOADS, psf For various fastener spacings											
Ga	Width in	Yield ksi	Weight psf			Bottom In Compression		Inward Load					Outward Load							
				in⁴/ft	in³/ft	in⁴/ft	in³/ft	2'	2.5'	3'	3.5'	4'	4.5'	2'	2.5'	3'	3.5'	4'	4.5'	
29	36	80	0.66	0.0070	0.0155	0.0063	0.0176	119	77	52	33	22	15	106	68	48	33	22	15	

- 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.

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