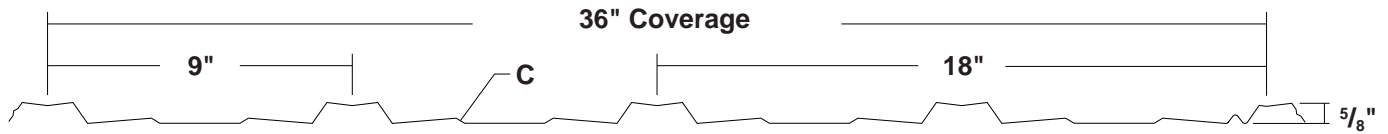


STRONGPANEL®



COMMERCIAL
RESIDENTIAL
PANEL

DIRECT
FASTEN

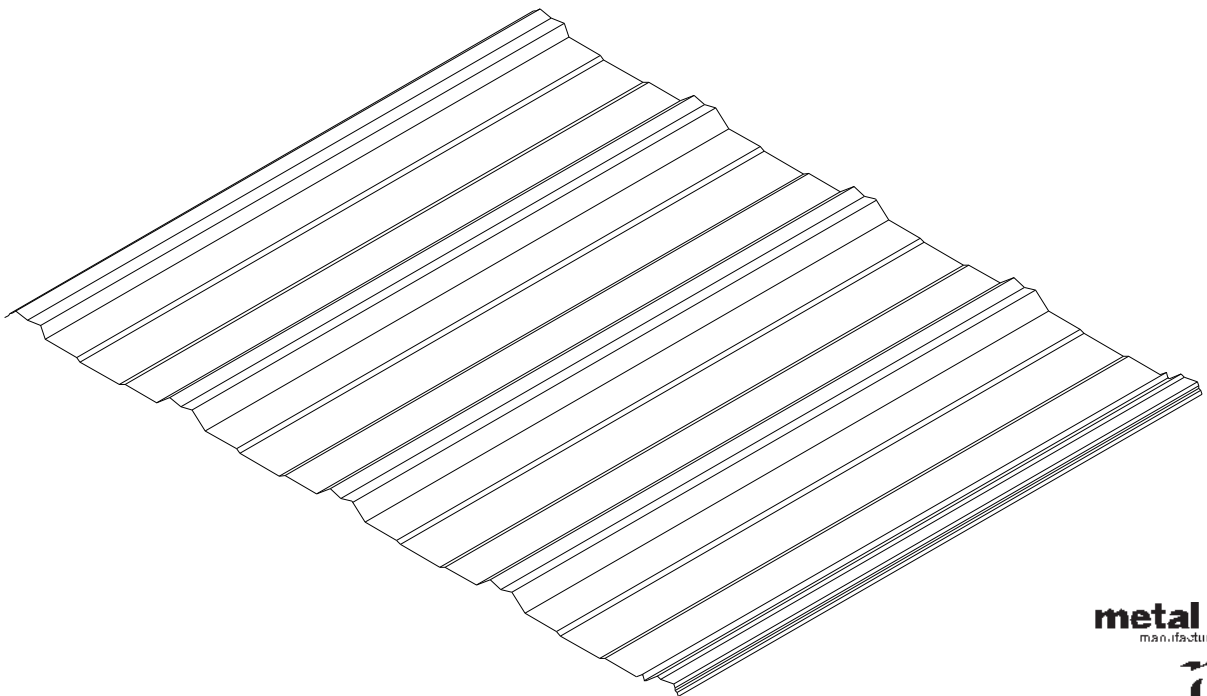
36"
COVERAGE

HEAVY
29 GAUGE

OPEN FRAMING OR
SOLID SUBSTRATE

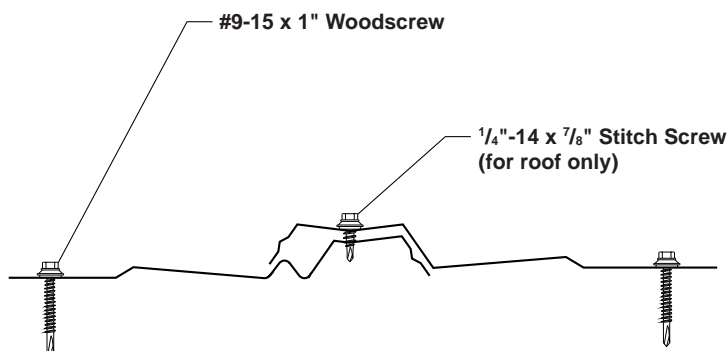
PANEL OVERVIEW

- ▶ Available finish: MS Strongcoat45®
- ▶ Gauge: 29ga (0.015 nominal galvanized substrate thickness)
- ▶ 36" panel coverage, 5/8" rib height
- ▶ Classic Board and Batten design, on 9" centers
- ▶ Exposed fastened, low profile panel
- ▶ Applies over open framing or solid substrate
- ▶ Minimum roof slope: 3:12

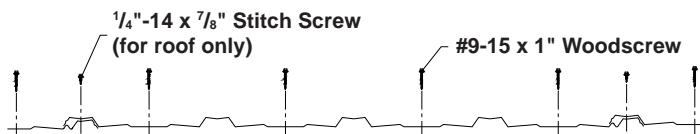


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ATTACHMENT DETAIL



FASTENING PATTERN



GENERAL INFORMATION

► Slope

The minimum recommended slope for Strong Panel roofing panel is 3:12.

► Substructure

Strongpanel is designed to be utilized over open structural framing, or a solid substrate. To avoid panel distortion, use a properly aligned and uniform substructure.

► Coverage

Strongpanel panels are available in a 5/8" rib height with a coverage width of 36".

► Length

Minimum factory cut length is 6'-0". Maximum recommended panel length is 36'-0". Longer panels require additional consideration in packaging, shipping, and erection. Please consult Metal Sales for recommendations.

► Fasteners

The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.

NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.

► Availability

Finish: MS Strongcoat45®

Gauge: 29ga (0.015 nominal galvanized thickness)

SECTION PROPERTIES

ALLOWABLE UNIFORM LIVE LOADS PSF (3 or More Equal Spans)

Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression		Inward (Gravity / Deflection) Load					Outward Uplift (Stress) Load						
				Ixx	Sxx	Ixx	Sxx	1'	1.5'	2'	2.5'	3'	3.5'	1'	1.5'	2'	2.5'	3'	3.5'
				In ⁴ /ft	In ³ /ft	In ⁴ /ft	In ³ /ft												
29	36"	60	0.81	0.0080	0.0178	0.0067	0.0189	417	208	123	81	50	32	403	199	117	77	45	28

- Theoretical section properties have been calculated per AISI 2001. "Specifications for the design of cold formed steel members." Ixx and Sxx are effective section properties for deflection and bending.
- Tabulated loads are allowable loads calculated in accordance with good engineering practices and with AISI 2001 specifications considering bending stresses, shear, and applicable combined stresses. Panel weight has not been subtracted from allowable gravity loads. Allowable load does not address web crippling requirement, or fasteners/support connection.
- Allowable loads are calculated in accordance with AISI 2001 specifications, and are not increased by 33 1/3% for wind loads. Contact Metal Sales Technical Services Department for more information.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.