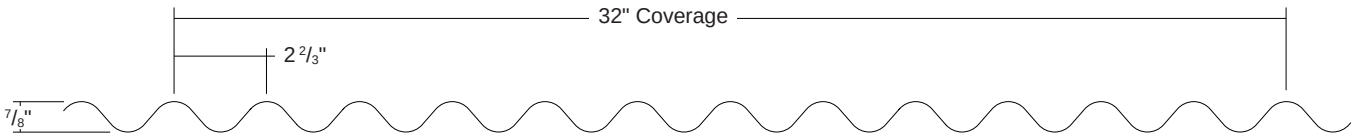
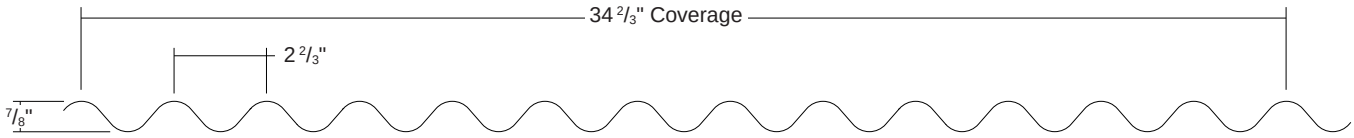
7/8" CORRUGATED

ROOF PANEL



WALL PANEL



COMMERCIAL RESIDENTIAL PANEL

DIRECT FASTEN

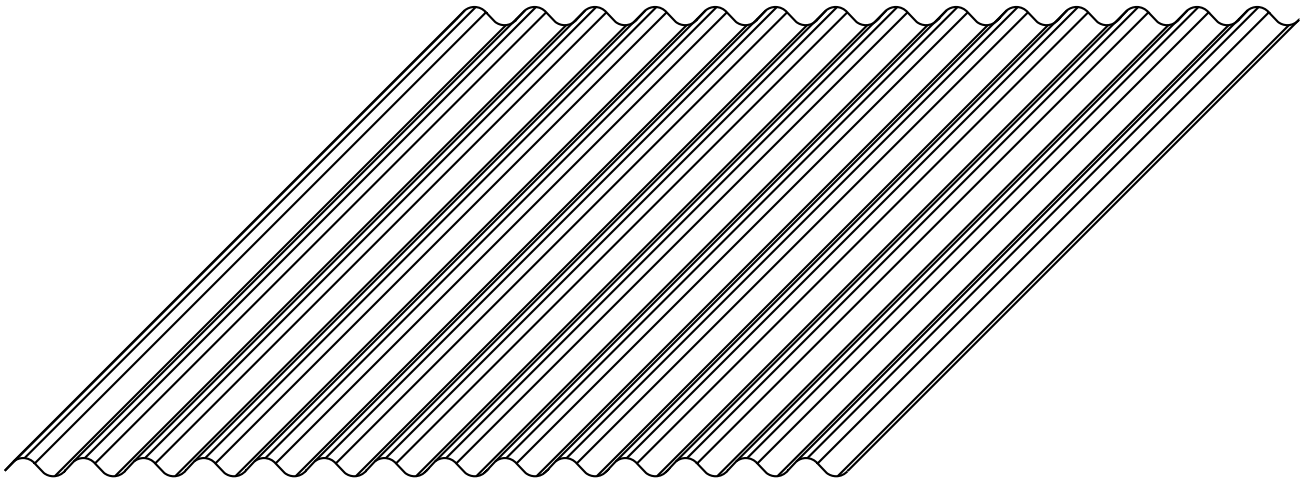
32" (ROOF) 34 2/3" (WALL) COVERAGE

MINIMUM 1:12 SLOPE

OPEN FRAMING OR SOLID SUBSTRATE

PANEL OVERVIEW

- Finishes: Bare galvanized, MS Colorfast45®, PVDF, Weathering Steel, and Acrylic Coated Galvalume®
- Gauges: 26ga, 24ga, 22ga, and 20ga
- 32" roof panel coverage, 7/8" rib height, and 34 2/3" wall panel coverage
- Applies over open framing or solid substrate
- 1:12 slope minimum



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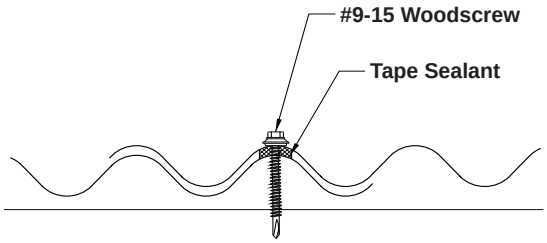
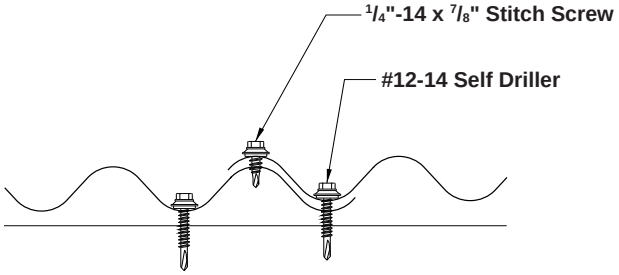
7/8" CORRUGATED

ROOF ATTACHMENT

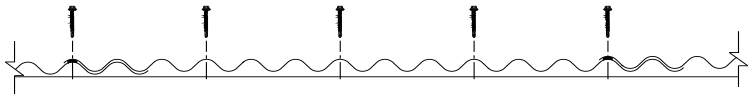


WALL ATTACHMENT

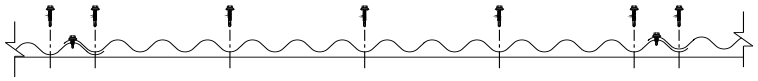


FASTENING PATTERNS

ROOF



WALL



GENERAL INFORMATION

▶ Slope
The minimum recommended slope for 7/8" Corrugated roofing panel is 1:12.

▶ Substructure
7/8" Corrugated panel is designed to be utilized over open structural framing but can easily be used with a solid substrate. To avoid panel distortion use a properly aligned and uniform substructure.

▶ Coverage
7/8" Corrugated panel has a coverage width of 32" for roof or 34 2/3" for wall with a 7/8" corrugation height.

▶ Length
Minimum factory cut length is 3'-0". Maximum recommended panel length is 45'-0". Longer panels require additional consideration in packaging, shipping, and erection. Please consult Metal Sales for recommendations.

▶ Fastener
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
Finishes: Bare galvanized, MS Colorfast45®, PVDF, Weathering Steel, and Acrylic Coated Galvalume®
Gauges: 26ga, 24ga, 22ga, and 20ga

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 In^4/ft	Sxx In^3/ft	Ixx In^4/ft	Sxx In^3/ft	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	32"	50	1.00	0.0259	0.0599	0.0259	0.0599	285	140	67	34	20	12	285	140	67	34	20	12
24	32"	50	1.31	0.0338	0.0777	0.0338	0.0777	344	175	87	45	26	16	344	175	87	45	26	16
22	32"	50	1.70	0.0413	0.0994	0.0413	0.0994	439	224	106	54	31	20	439	224	106	54	31	20
20	32"	33	2.00	0.0488	0.1151	0.0488	0.1151	271	149	93	63	37	23	271	149	93	63	37	23

1. Theoretical section properties have been calculated per AISI 2001 "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 2001 specifications considering bending, shear, combined bending and shear, deflection, and applicable testing when available. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and 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 in uplift.

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