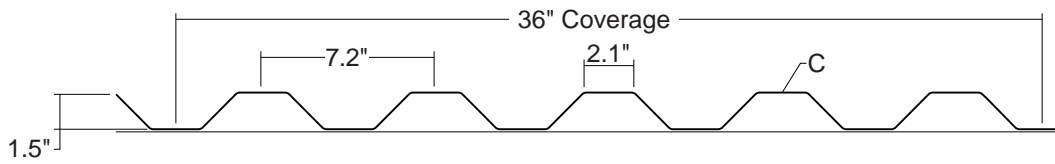


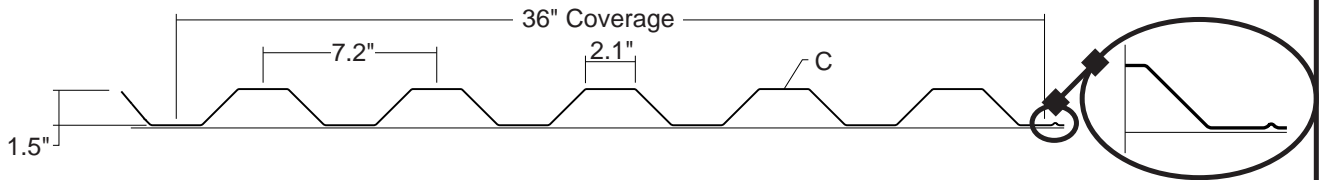
IC72-PANEL WALL

CONDENSED
TECHNICAL
REFERENCE

WALL PANEL



WOODLAND PANEL



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

DIRECT
FASTEN

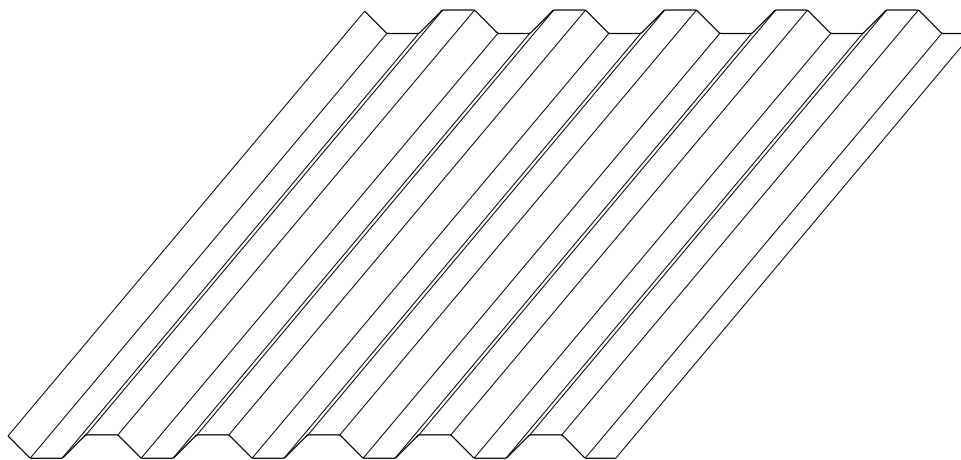
36"
COVERAGE

WALL
PANEL

SOLID SUBSTRATE
OR OPEN FRAMING

PANEL OVERVIEW

- ▶ Finishes: Kynar 500 (PVDF) and Acrylic Coated Galvalume®
- ▶ Gauges: 24ga standard, 22ga and 20ga optional
- ▶ 36" panel coverage, 1½" rib height
- ▶ Applies over open framing or solid substrate
- ▶ Exposed fastened metal building panel
- ▶ Trapezoidal ribs on 7.2" centers



TESTING

- ▶ UL-580 Class 90
- ▶ UL-790 Class A
- ▶ UL-2218 Class 4

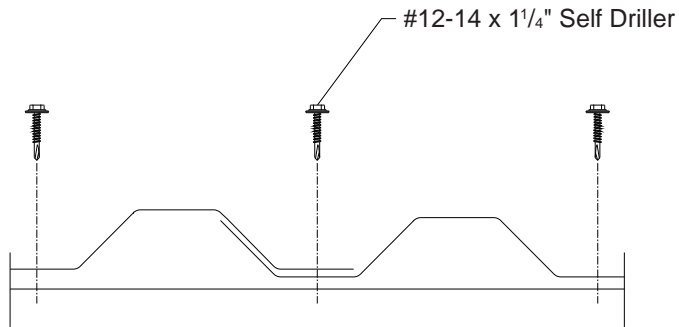
metal sales
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IC72-PANEL WALL

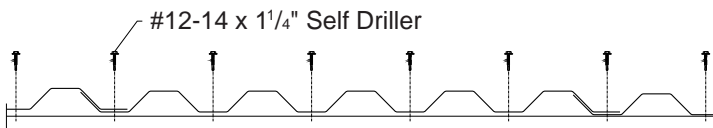
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

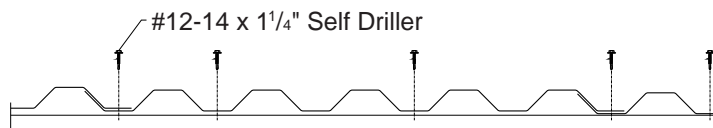


FASTENING PATTERNS

END OF PANEL



FIELD OF PANEL



GENERAL INFORMATION

► Substructure

IC72-Panel 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

IC72-Panel is available in a 1 1/2" rib height with a 36" width coverage.

► Length

Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-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

Finishes: Acrylic Coated Galvalume® or various Kynar 500 (PVDF) colors.

Gauges: 24ga standard, 22ga and 20ga optional

SECTION PROPERTIES

ALLOWABLE UNIFORM LOADS PSF (3 or More Equal Spans)

Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				Ixx In ² /ft	Sxx In ³ /ft	Ixx In ² /ft	Sxx In ³ /ft	5'	6'	7'	8'	9'	10'	5'	6'	7'	8'	9'	10'
26	36"	60	0.88	0.0620	0.0628	0.0633	0.0691	71	50	38	29	22	16	65	46	34	27	21	16
24	36"	50	1.15	0.0977	0.1082	0.0953	0.1122	101	71	52	40	29	21	98	69	51	39	29	21
22	36"	50	1.51	0.1367	0.1562	0.1333	0.1623	148	104	76	54	38	27	143	100	74	54	38	27
20	36"	33	1.85	0.1867	0.2227	0.1833	0.2320	140	98	72	55	44	34	135	94	69	53	42	34

- 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.
- Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear, deflection. 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.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase in uplift.

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