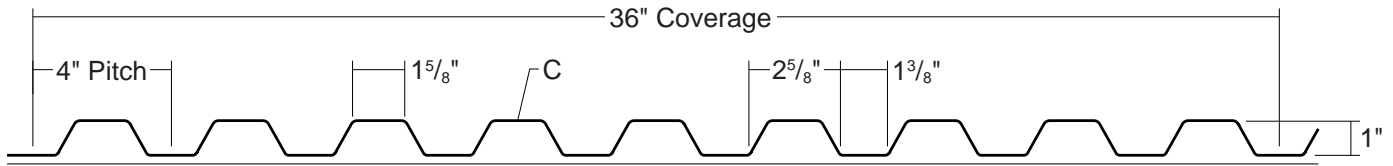


T2 WALL PANEL

**CONDENSED
TECHNICAL
REFERENCE**



**ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL**

**DIRECT
FASTEN**

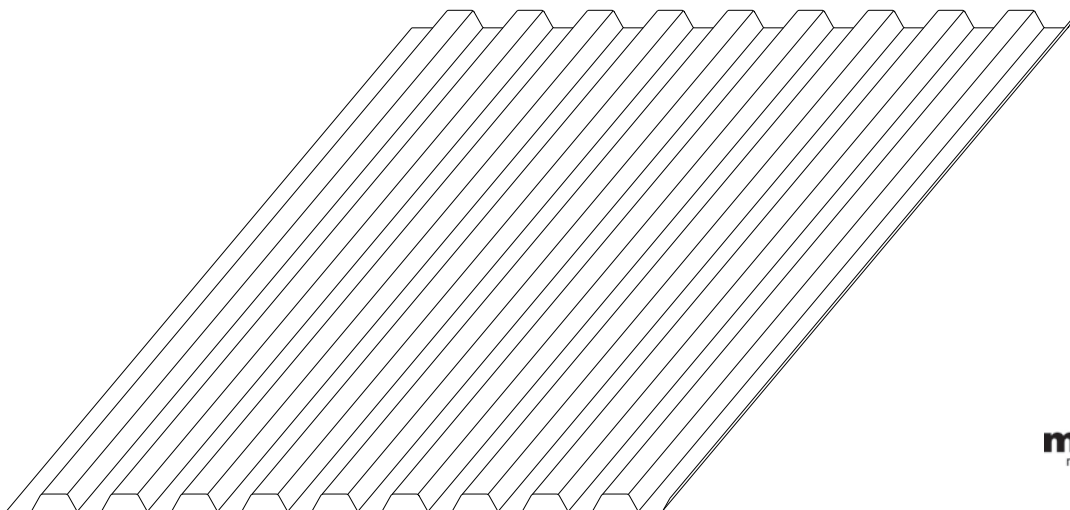
**36"
COVERAGE**

**WALL
PANEL**

**OPEN FRAMING OR
SOLID SUBSTRATE**

PANEL OVERVIEW

- ▶ Finishes: Kynar 500 (PVDF) standard, optional; multi-pass Kynar, Marblique, Plastisol, Polyester, and MS Colorfast45® (SMP)
- ▶ Gauges: 24ga, 22ga, 20ga, and 18ga
- ▶ 36" panel coverage, 1" rib height
- ▶ Trapezoidal ribs on 4" centers
- ▶ Exposed fastener panel
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum
- ▶ Designed for greater span requirements
- ▶ Custom capabilities include:
 - Crimp curving (convex only)
 - Perforated panels for wind screens and liner panels

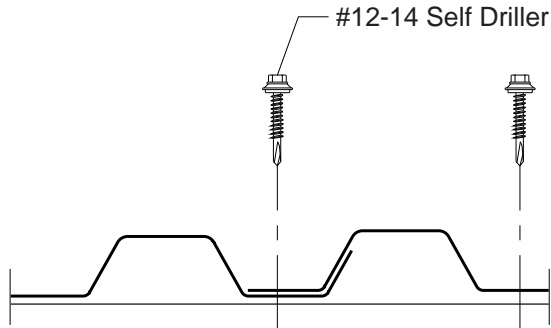


metal sales
manufacturing corporation
ms

T2 WALL PANEL

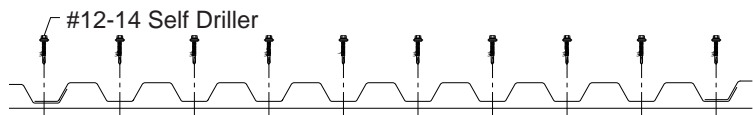
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

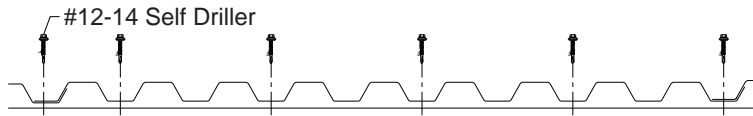


FASTENING PATTERNS

Ends of Panel



Field of Panel



GENERAL INFORMATION

► Substructure

T2 Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

T2 Panels are available in a 1" rib height with a coverage width of 36".

► Length

Minimum factory cut length is 5'-0"

Maximum recommended panel length is 31'-10"

► 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: Kynar 500 (PVDF) standard; optional: multi-pass Kynar, Marblique, Plastisol, Polyester, and MS Colorfast45® (SMP)

Gauges: 24ga, 22ga, 20ga, and 18ga

SECTION PROPERTIES

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												
								4'	5'	6'	7'	8'	10'	4'	5'	6'	7'	8'	10'
24	36"	50	1.21	0.0533	0.0960	0.0533	0.0956	138	79	46	29	19	10	138	79	46	29	19	10
22	36"	50	1.60	0.0733	0.1411	0.0767	0.1399	201	106	61	38	26	13	202	106	61	38	26	13
20	36"	33	1.89	0.0933	0.1840	0.0933	0.1787	169	109	71	45	30	15	174	112	71	45	30	15
18	36"	33	2.49	0.1233	0.2377	0.1200	0.2327	220	142	94	59	40	20	145	145	94	59	40	20

ALLOWABLE UNIFORM LOADS PSF (3 or More Equal Spans)

- Theoretical section properties have been calculated per AISI 2001. "Specifications 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 and deflection. Allowable load considers both 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection. 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.