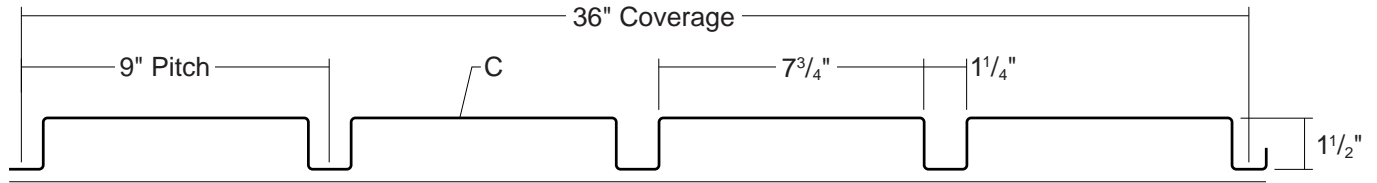


T10-D WALL PANEL

CONDENSED
TECHNICAL
REFERENCE



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

DIRECT
FASTEN

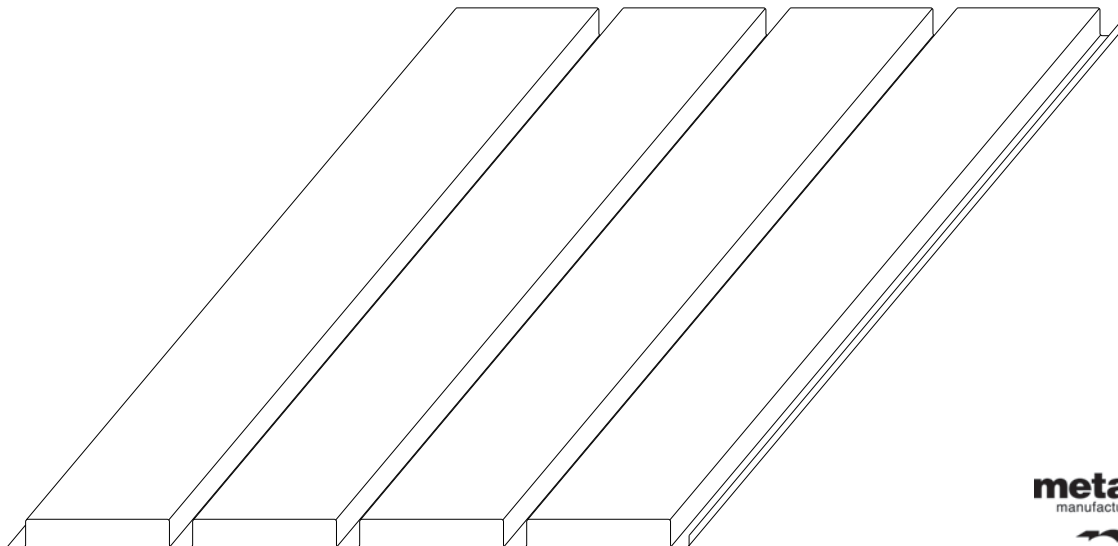
36"
COVERAGE

CUSTOM
CAPABILITIES

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, 1¹/₂" rib height
- ▶ Crisp 90° vertical box ribs on 9" centers
- ▶ Exposed Fastener Panel
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels

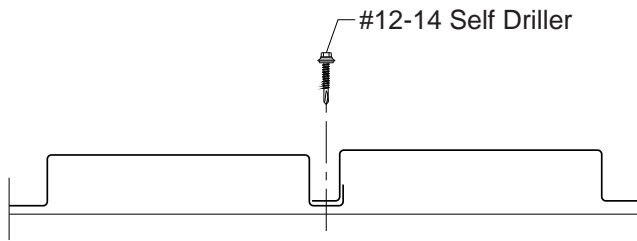


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T10-D WALL PANEL

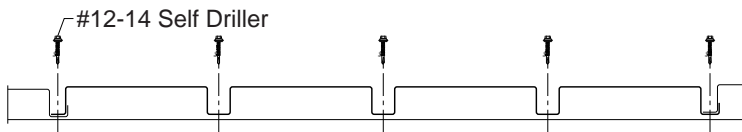
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

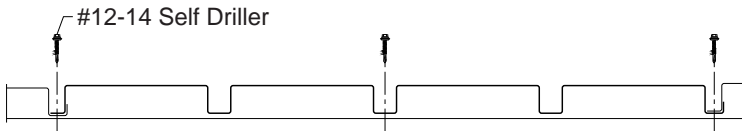


FASTENING PATTERNS

Ends of Panel



Field of Panel



GENERAL INFORMATION

► Substructure

T10-D Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

T10-D Panels are available in a 1 1/2" depth with a coverage width of 36".

► Length

Minimum factory cut length is 5'-0".
Maximum recommended panel length is 32'-0".

► 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

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 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	1.22	0.0573	0.0728	0.0970	0.0835	119	77	54	40	30	18	105	67	47	35	26	17
22	36"	50	1.61	0.0833	0.1083	0.1367	0.1192	170	110	76	56	43	24	155	100	70	51	39	24
20	36"	33	1.91	0.1133	0.1343	0.1667	0.1458	137	88	62	45	35	22	126	82	57	42	32	21
18	36"	33	2.51	0.1667	0.1803	0.2167	0.1910	179	116	81	60	46	29	169	109	76	56	43	28

- 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.

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