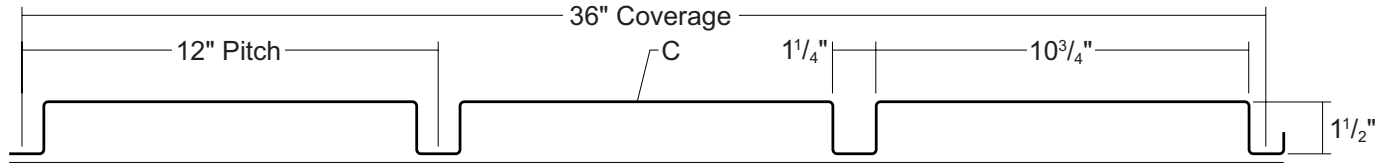


T10-E WALL PANEL

CONDENSED
TECHNICAL
REFERENCE



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

DIRECT
FASTEN

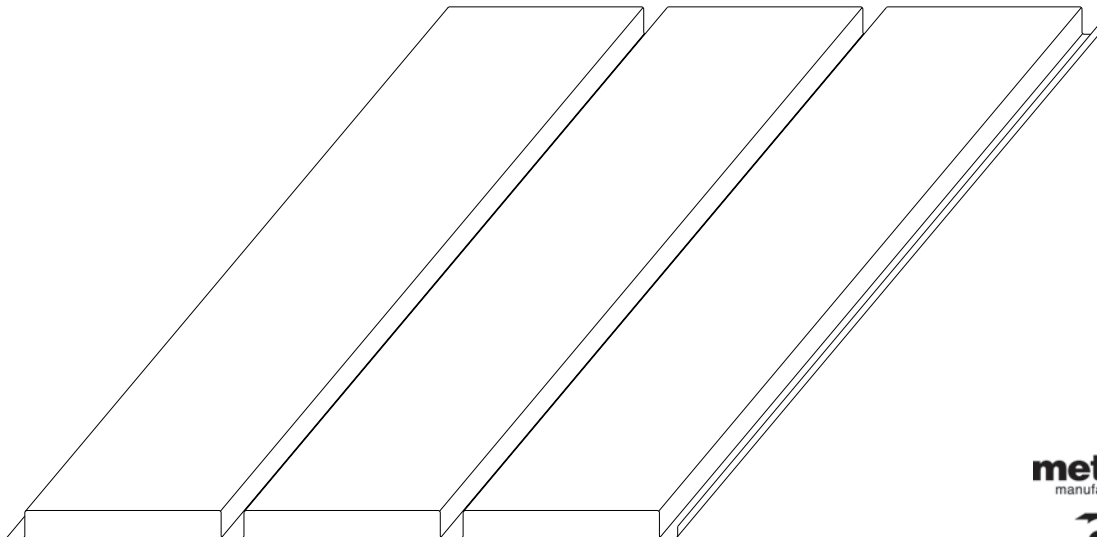
36"
COVERAGE

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, 1 1/2" rib height
- ▶ Crisp 90° vertical box ribs on 12" centers
- ▶ Exposed Fastener Panel
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels
- ▶ Contact the Fontana, CA branch before ordering to confirm the application is appropriate

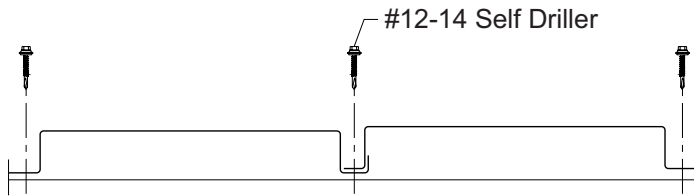


metal sales
manufacturing corporation
ms

T10-E WALL PANEL

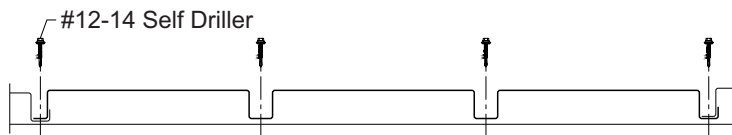
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL



FASTENING PATTERN

Ends and Field of Panel



GENERAL INFORMATION

► Substructure

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

► Coverage

T10-E 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

► Application

Contact the Fontana, CA branch before ordering this panel to confirm the intended application is appropriate.

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	1.15	0.0440	0.0552	0.0800	0.0652	93	60	42	31	24	15	79	51	36	26	20	13
22	36"	50	1.53	0.0633	0.0840	0.1133	0.0933	133	86	60	44	34	20	120	77	54	40	30	20
20	36"	33	1.81	0.0867	0.1052	0.1367	0.1154	108	70	49	36	28	18	99	64	45	33	25	16
18	36"	33	2.38	0.1300	0.1417	0.1800	0.1520	142	92	64	47	36	23	133	86	60	44	34	22

- 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.



Kent, WA (800) 431-3470
Temple, TX (800) 543-4415
Longmont, CO (800) 289-7663
Antioch, TN (800) 251-8508
Woodland, CA (800) 759-6019
Rogers, MN (800) 328-9316
Spokane, WA (800) 572-6565

Jefferson, OH (800) 321-5833
Rock Island, IL (800) 747-1206
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