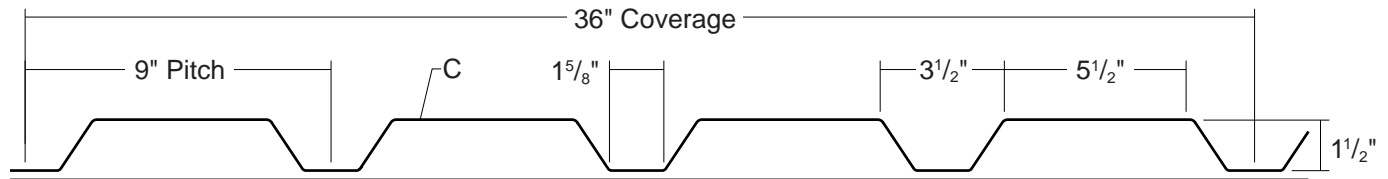


T7 WALL PANEL

**CONDENSED
TECHNICAL
REFERENCE**



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

DIRECT
FASTEN

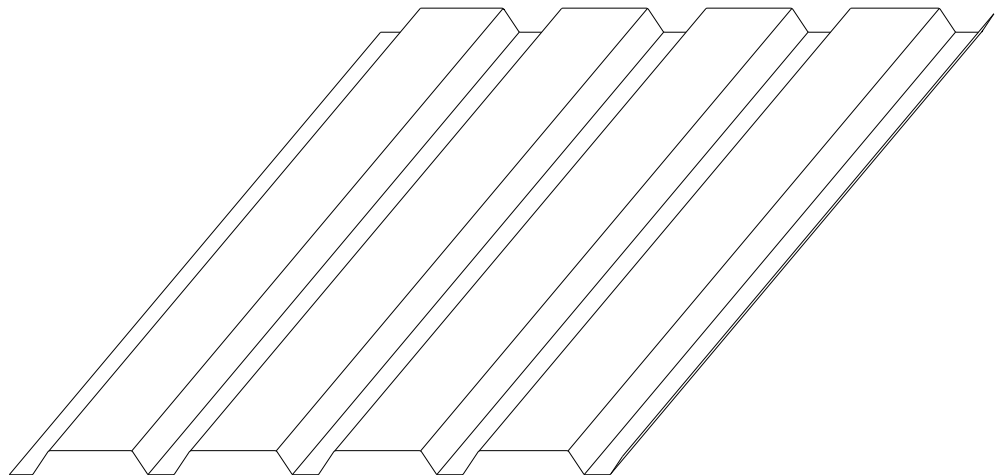
36"
COVERAGE

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 1/2" rib height
- ▶ Trapezoidal ribs on 9" centers
- ▶ Exposed Fastener Panel
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum
- ▶ Custom capabilities include:
 - Crimp curving (convex, concave, or "S" curves)
 - Perforated panels for wind screens and liner panels



TESTING

- ▶ ASTM E-331 Water Penetration
- ▶ ASTM E-283 Air Infiltration

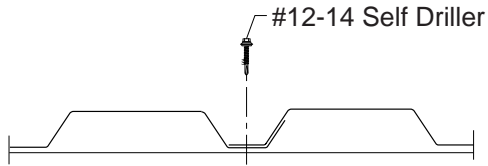
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T7 WALL PANEL

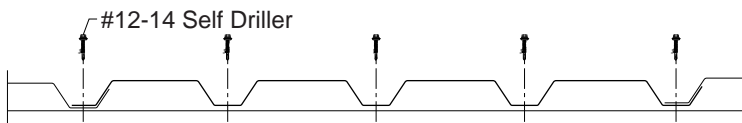
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

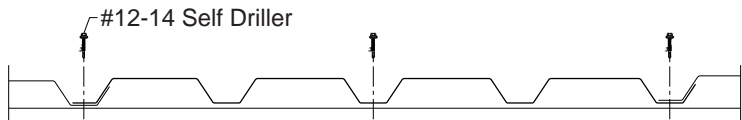


FASTENING PATTERN

Ends of Panel



Field of Panel



GENERAL INFORMATION

► Substructure

T7 Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

T7 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 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

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	5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	36"	50	1.14	0.0703	0.0825	0.0973	0.0903	82	58	43	33	21	12	76	53	39	30	19	12
22	36"	50	1.51	0.1000	0.1244	0.1433	0.1364	125	87	64	49	27	16	114	80	59	45	27	16
20	36"	33	1.79	0.1333	0.1771	0.1833	0.1828	110	77	57	44	28	19	107	75	55	42	27	19
18	36"	33	2.36	0.2000	0.2403	0.2467	0.2460	148	103	76	59	38	24	145	101	75	57	37	24

- 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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