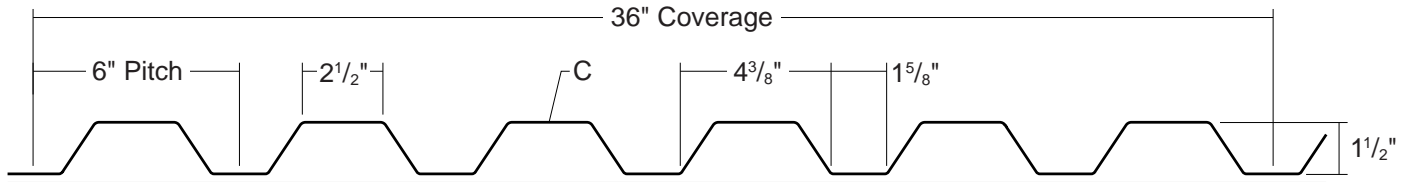


T5 WALL PANEL

CONDENSED
TECHNICAL
REFERENCE



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

DIRECT
FASTEN

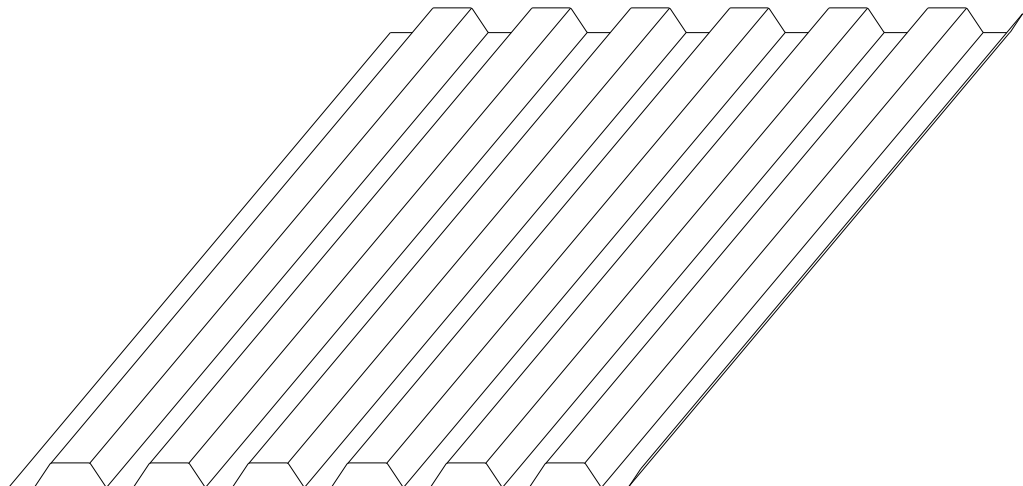
36"
COVERAGE

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 6" 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

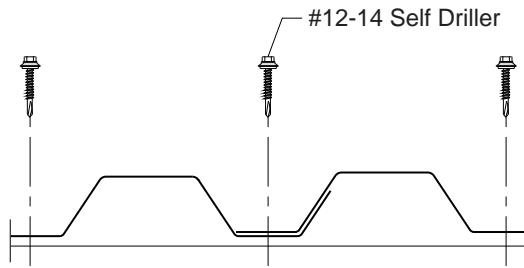
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T5 WALL PANEL

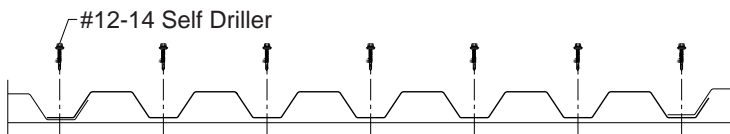
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

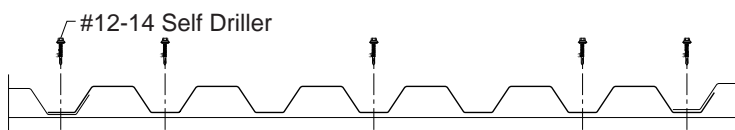


FASTENING PATTERNS

Ends of Panel



Field of Panel



GENERAL INFORMATION

► Substructure

T5 Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

T5 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	1.22	0.1010	0.1194	0.1110	0.1245	114	80	59	44	23	13	110	77	56	43	23	13
22	36"	50	1.62	0.1433	0.1771	0.1567	0.1813	167	116	86	58	30	17	163	114	84	58	30	17
20	36"	33	1.91	0.1867	0.2449	0.2033	0.2431	147	103	76	58	35	20	148	103	76	59	35	20
18	36"	33	2.52	0.2667	0.3357	0.2700	0.3257	197	138	101	78	46	26	203	142	104	80	46	26

- 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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