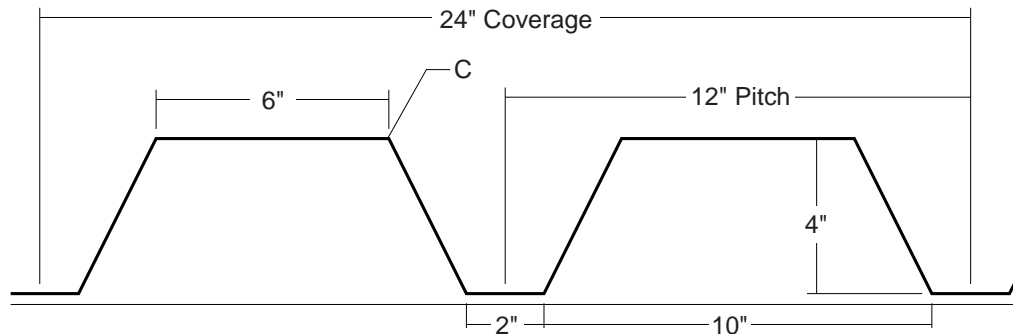


T25 WALL PANEL

**CONDENSED
TECHNICAL
REFERENCE**



**ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL**

**DIRECT
FASTEN**

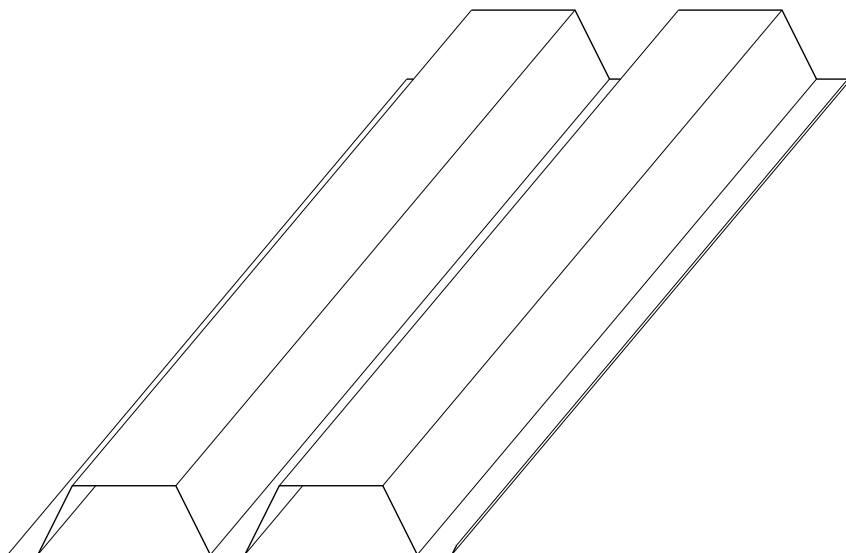
**24\"
COVERAGE**

**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
- ▶ 24" panel coverage, 4" rib height
- ▶ Trapezoidal 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



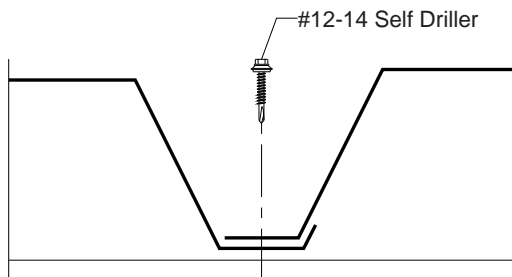
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T25 WALL PANEL

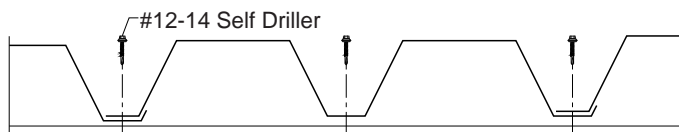
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL



FASTENING PATTERN

Ends and Field of Panel



GENERAL INFORMATION

► Substructure

T25 Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

T25 Panels are available in a 4" depth with a coverage width of 24".

► 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	6'	7'	8'	10'	12'	14'	6'	7'	8'	10'	12'	14'
24	24"	50	1.36	0.5120	0.1991	0.6465	0.2242	92	74	60	42	31	24	87	69	56	39	28	21
22	24"	50	1.80	0.7950	0.3373	0.9900	0.3654	180	141	112	76	55	41	172	133	106	71	51	38
20	24"	33	2.14	1.1045	0.5142	1.4195	0.5791	219	166	129	85	60	44	199	150	117	76	54	40
18	24"	33	2.82	1.5615	0.7542	1.9630	0.8189	328	245	190	123	86	64	305	227	176	114	80	59

- Theoretical section properties have been calculated per AISI 2001 "Specification 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, deflection, and applicable testing when available. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and 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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