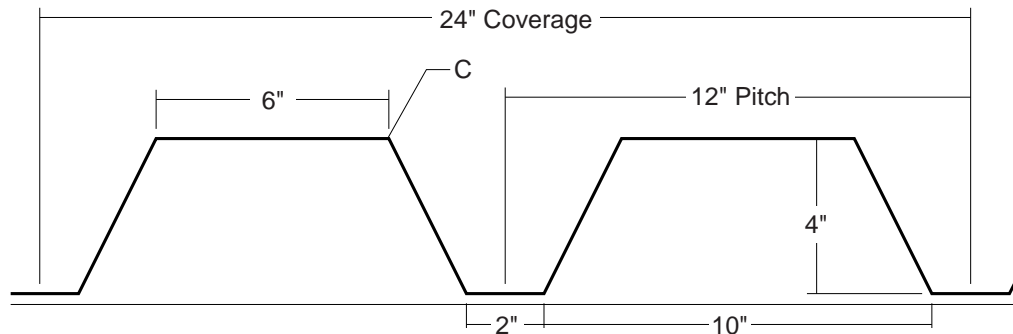


# T25 WALL PANEL

**CONDENSED  
TECHNICAL  
REFERENCE**



ARCHITECTURAL  
COMMERCIAL  
INDUSTRIAL  
PANEL

DIRECT  
FASTEN

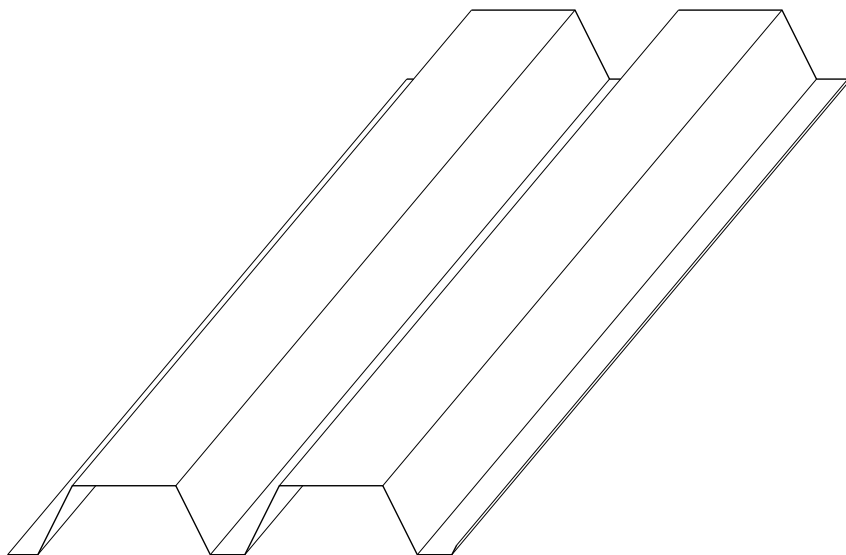
24"  
COVERAGE

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



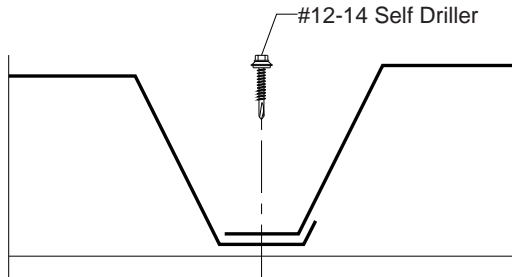
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# T25 WALL PANEL

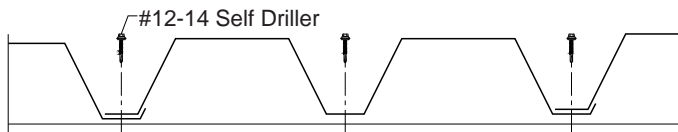
## CONDENSED TECHNICAL REFERENCE

### 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<sup>®</sup> (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					
				I <sub>xx</sub> In <sup>4</sup> /ft	S <sub>xx</sub> In <sup>3</sup> /ft	I <sub>xx</sub> In <sup>4</sup> /ft	S <sub>xx</sub> In <sup>3</sup> /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." I<sub>xx</sub> and S<sub>xx</sub> 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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