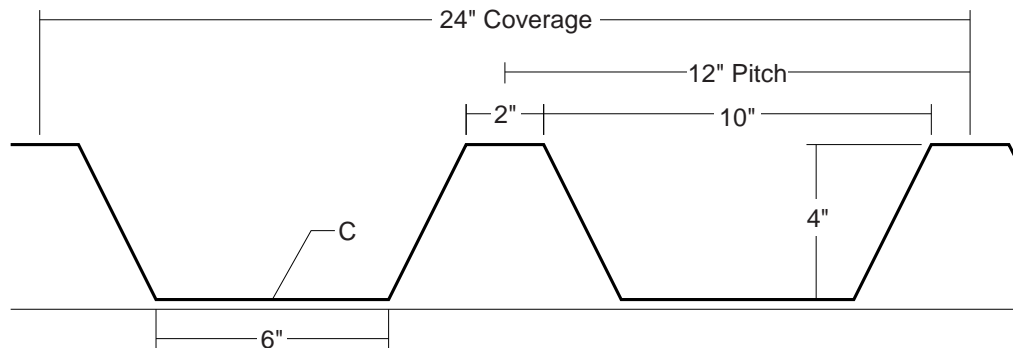


# T25 ROOF PANEL

**CONDENSED  
TECHNICAL  
REFERENCE**



**ARCHITECTURAL  
COMMERCIAL  
INDUSTRIAL  
PANEL**

**DIRECT  
FASTEN**

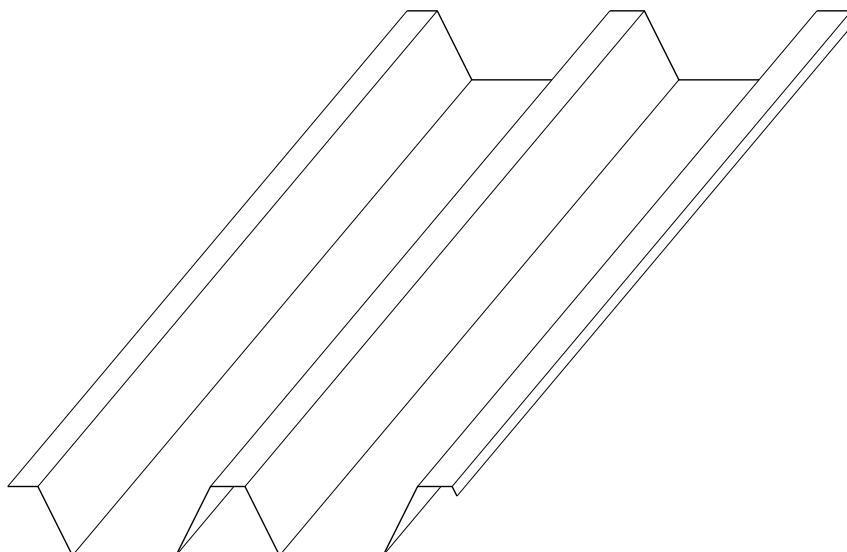
**24"  
COVERAGE**

**MINIMUM  
SLOPE  
1:12**

**OPEN FRAMING OR  
SOLID SUBSTRATE**

## PANEL OVERVIEW

- ▶ Finishes: Kynar 500 (PVDF) standard, optional; multi-pass Kynar, Marblique, Plastisol, Polyester, and MS Colorfast45<sup>®</sup> (SMP)
- ▶ Gauges: 24ga, 22ga, 20ga, and 18ga
- ▶ 24" panel coverage, 4" rib height
- ▶ Trapezoidal ribs on 10" centers
- ▶ Exposed Fastener Panel
- ▶ Minimum Roof Slope 1:12
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum



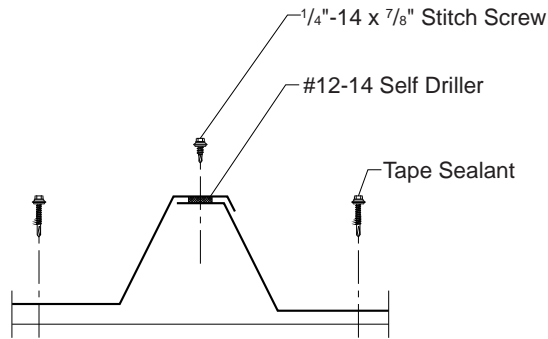
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# T25 ROOF PANEL

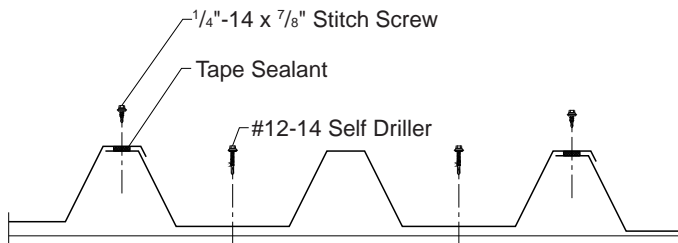
## CONDENSED TECHNICAL REFERENCE

### ATTACHMENT DETAIL



### FASTENING PATTERNS

#### 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 / Uplift Load					
				Ixx In <sup>4</sup> /ft	Sxx In <sup>3</sup> /ft	Ixx In <sup>4</sup> /ft	Sxx In <sup>3</sup> /ft	6'	7'	8'	10'	12'	14'	6'	7'	8'	10'	12'	14'
24	24"	50	1.36	0.6465	0.2242	0.5120	0.1991	87	69	56	39	28	21	92	74	60	42	31	24
22	24"	50	1.80	0.9900	0.3654	0.7950	0.3373	172	133	106	71	51	38	180	141	112	76	55	41
20	24"	33	2.14	1.4195	0.5791	1.1045	0.5142	199	150	117	76	54	40	219	166	129	85	60	44
18	24"	33	2.82	1.9630	0.8189	1.5615	0.7542	305	227	176	114	80	59	328	245	190	123	86	64

- 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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