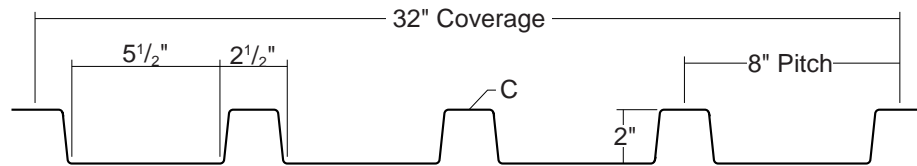


# T2832 ROOF PANEL

**CONDENSED  
TECHNICAL  
REFERENCE**

## ROOF PANEL



**ARCHITECTURAL  
COMMERCIAL  
INDUSTRIAL  
PANEL**

**DIRECT  
FASTEN**

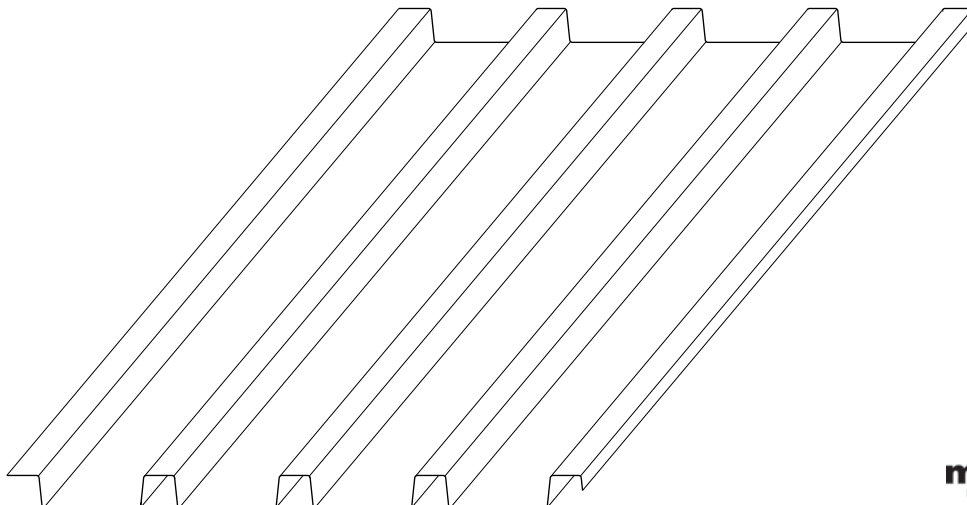
**32"  
COVERAGE**

**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® (SMP)
- ▶ Gauges: 24ga, 22ga, 20ga, and 18ga
- ▶ 32" panel coverage, 2" rib height
- ▶ Trapezoidal ribs on 8" centers
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum
- ▶ Custom capabilities include:
  - Perforated panels for wind screens and liner panels
- ▶ Exposed Fastened Panel



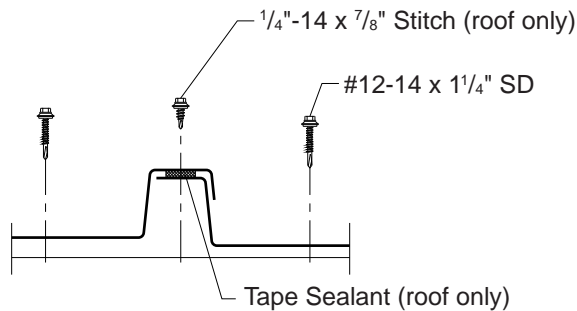
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# T2832 ROOF PANEL

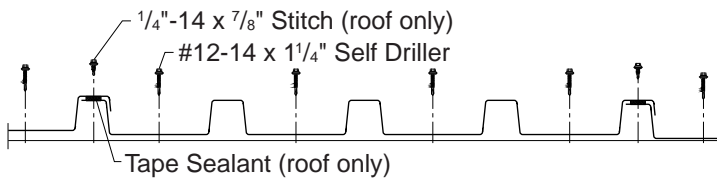
## CONDENSED TECHNICAL REFERENCE

### ATTACHMENT DETAIL

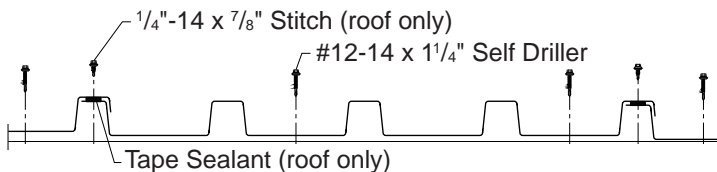


### FASTENING PATTERNS

#### Ends of Panel



#### Field of Panel



### GENERAL INFORMATION

#### ► Substructure

T2832 Panel is designed to be utilized over open structural framing, or a solid substrate.

#### ► Coverage

T2832 Panels are available in a 2" depth with a 32" width coverage.

#### ► 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

Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression		Inward Load						Outward Uplift Load					
				Ixx	Sxx	Ixx	Sxx												
				ln <sup>4</sup> /ft	ln <sup>3</sup> /ft	ln <sup>4</sup> /ft	ln <sup>3</sup> /ft	6'	7'	8'	10'	12'	14'	6'	7'	8'	10'	12'	14'
24	32"	50	1.35	0.2033	0.1451	0.1534	0.1320	84	62	48	31	21	16	92	68	52	34	23	16
22	32"	50	1.78	0.2955	0.2188	0.2190	0.1964	126	93	71	46	32	22	140	103	79	51	34	22
20	32"	33	2.11	0.3825	0.2951	0.2888	0.2783	117	86	66	43	30	22	124	91	70	45	31	23
18	32"	33	2.78	0.5288	0.4144	0.4200	0.4065	170	26	97	62	43	32	173	128	98	63	44	32

- 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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