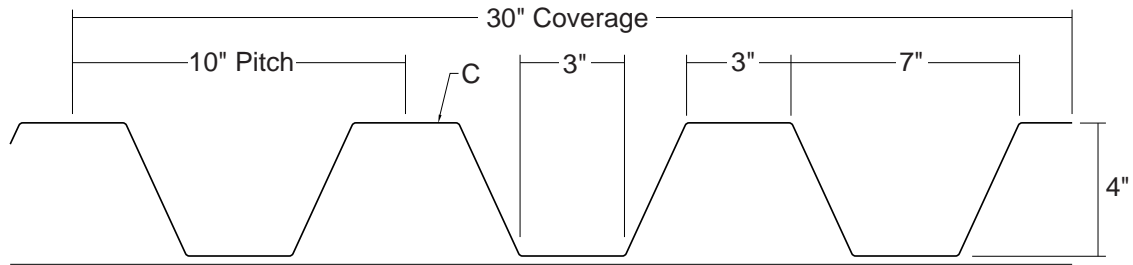


T15 ROOF PANEL

**CONDENSED
TECHNICAL
REFERENCE**



**ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL**

**DIRECT
FASTEN**

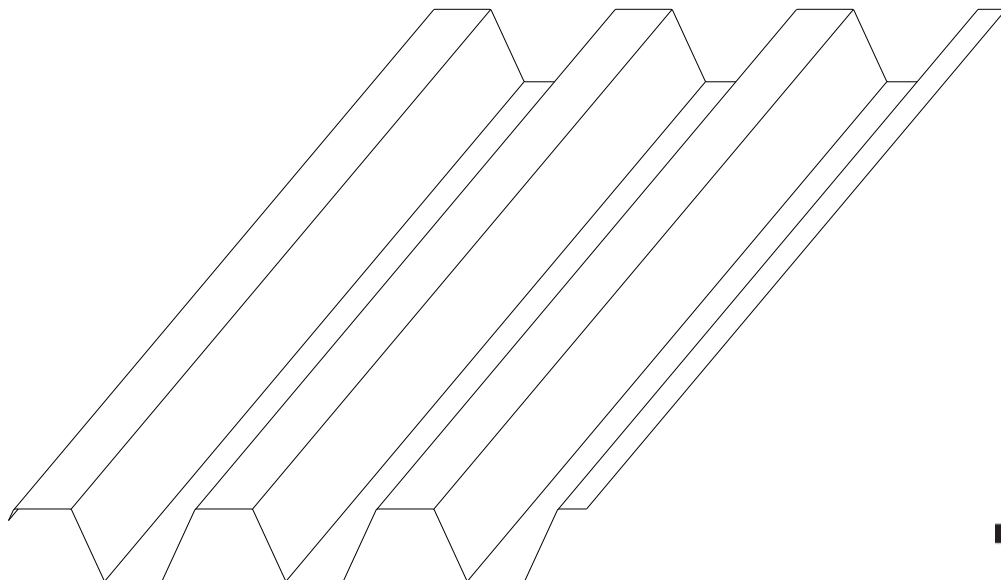
**30"
COVERAGE**

**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
- ▶ 30" panel coverage, 4" rib height
- ▶ Trapezoidal ribs on 10" centers
- ▶ Exposed Fastener Panel
- ▶ Minimum Roof Slope 1:12 (Tube Sealant is required at sidelap and endlap)
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum

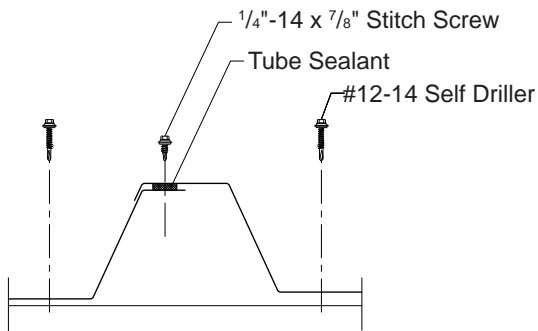


metal sales
manufacturing corporation
ms

T15 ROOF PANEL

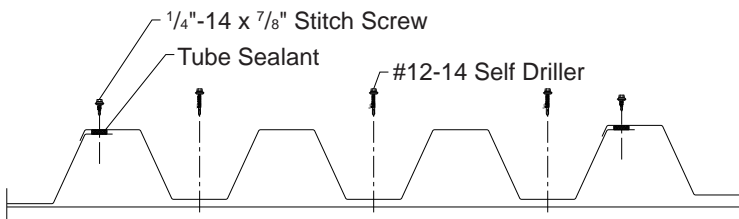
CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL

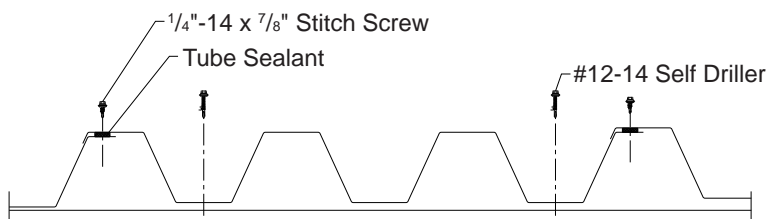


FASTENING PATTERNS

Ends of Panel



Field of Panel



GENERAL INFORMATION

► Substructure

T15 Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

T15 Panels are available in a 4" depth with a coverage width of 30".

► 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												
				In ⁴ /ft	In ³ /ft	In ⁴ /ft	In ³ /ft	5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	30"	50	1.42	0.6536	0.2635	0.6340	0.2344	134	103	82	66	46	33	139	109	87	71	50	37
22	30"	50	1.89	1.0008	0.4404	0.9792	0.3908	268	201	156	124	83	59	285	216	169	135	91	66
20	30"	33	2.24	1.3480	0.6404	1.3880	0.6137	328	237	179	139	91	64	339	246	185	145	95	67
18	30"	33	2.95	1.8640	0.9084	1.9400	0.8796	502	357	266	205	133	93	516	367	274	212	137	96

1. 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.
2. Allowable load is calculated in accordance with AISI 2001 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers both 3 or more equal span conditions. Allowable load does not address web crippling or fasteners/support connection. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase in uplift.