T2630 ROOF PANEL

ROOF PANEL

30" Coverage

6" Pitch

C

2"

3¹/₂" 2¹/₂"

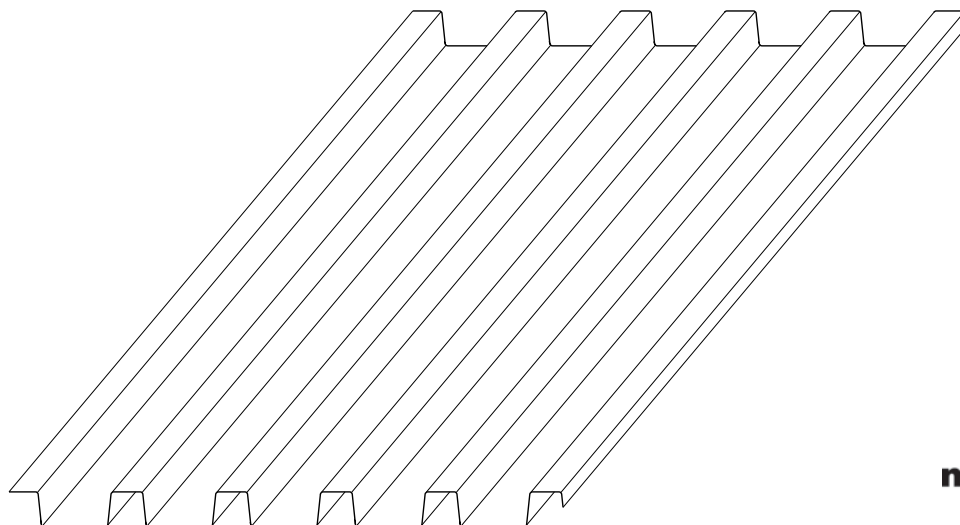| ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL | DIRECT FASTEN | 30" COVERAGE | MINIMUM SLOPE 1:12 | OPEN FRAMING OR SOLID SUBSTRATE |

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, 2" rib height

▶ Trapezoidal ribs on 6" centers

▶ Optional material availablity: Stainless Steel, Copper, and Aluminum

▶ Custom capabilites include:
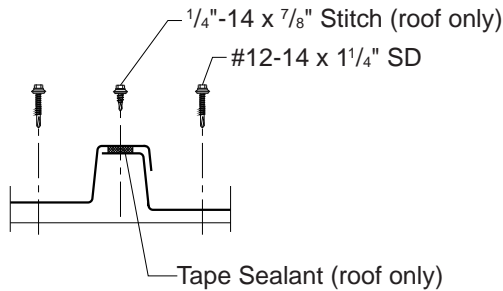   - Perforated panels for wind screens and liner panels

▶ Exposed Fastened Panel

metal sales
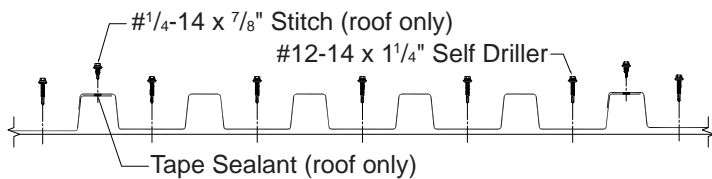manufacturing corporation

ms

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ATTACHMENT DETAIL

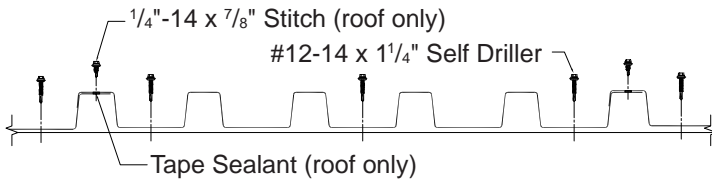¹/₄"-14 x ⁷/₈" Stitch (roof only)

#12-14 x 1¹/₄" SD

Tape Sealant (roof only)

FASTENING PATTERNS

Ends of Panel

#¹/₄-14 x ⁷/₈" Stitch (roof only)

#12-14 x 1¹/₄" Self Driller

Tape Sealant (roof only)

Field of Panel

¹/₄"-14 x ⁷/₈" Stitch (roof only)

#12-14 x 1¹/₄" Self Driller

Tape Sealant (roof only)

GENERAL INFORMATION

▶ **Substructure**
T2630 Panel is designed to be utilized over open structural framing or a solid substrate.

▶ **Coverage**
T2630 Panels are available in a 2" depth with a 30" 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 / ALLOWABLE UNIFORM LIVE LOADS PSF (3 or More Equal Spans)

Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression Ixx In⁴/ft	Top in Compression Sxx In³/ft	Bottom in Compression Ixx In⁴/ft	Bottom in Compression Sxx In³/ft	Inward 6'	Inward 7'	Inward 8'	Inward 10'	Inward 12'	Inward 14'	Outward 6'	Outward 7'	Outward 8'	Outward 10'	Outward 12'	Outward 14'
24	30"	50	1.47	0.2348	0.1879	0.1996	0.1731	110	81	63	40	28	18	119	88	68	44	29	18
22	30"	50	1.95	0.3312	0.2734	0.2840	0.2556	164	121	93	59	37	24	175	129	99	64	37	24
20	30"	33	2.31	0.4280	0.3685	0.3720	0.3568	150	111	85	55	38	28	155	114	88	56	39	28
18	30"	33	3.03	0.5840	0.5156	0.5280	0.5204	218	161	124	80	55	36	216	160	123	79	55	36

1. 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.
2. 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.
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.