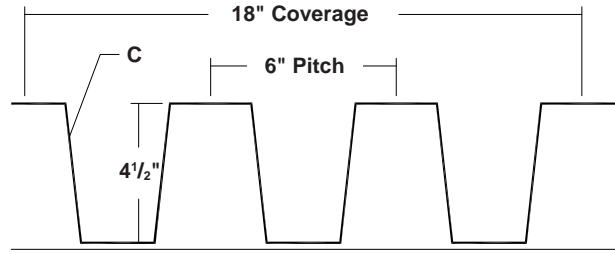
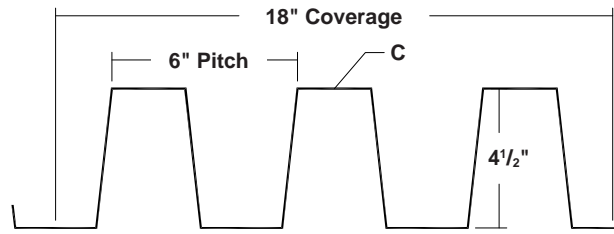


TDR-6 PANEL

ROOF PANEL



WALL PANEL



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

DIRECT FASTENED
(EXPOSED)

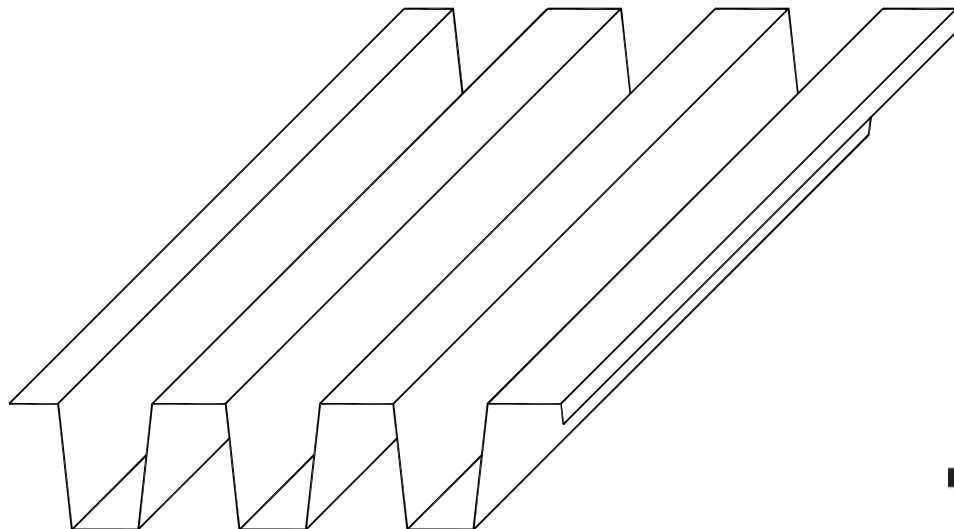
18"
COVERAGE

MINIMUM
1:12 SLOPE

OPEN FRAMING OR
SOLID SUBSTRATE

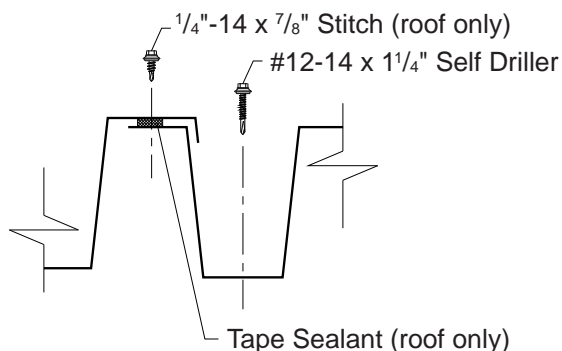
PANEL OVERVIEW

- ▶ Finishes: Kynar 500 (PVDF) standard, optional; multi-pass Kynar, Marblique, Plastisol, Polyester, and MS Colorfast45[®] (SMP)
- ▶ Gauges: 24ga, 22ga, 20ga, and 18ga
- ▶ 18" panel coverage, 4½" rib height
- ▶ Trapezoidal ribs on 6" centers
- ▶ Optional material availability: Stainless Steel, Weathering Steel, Copper, and Aluminum
- ▶ Custom capabilities include:
 - Crimp curving
 - Curving may be convex, concave, or "S" curves
 - Perforated panels for wind screens and liner panels



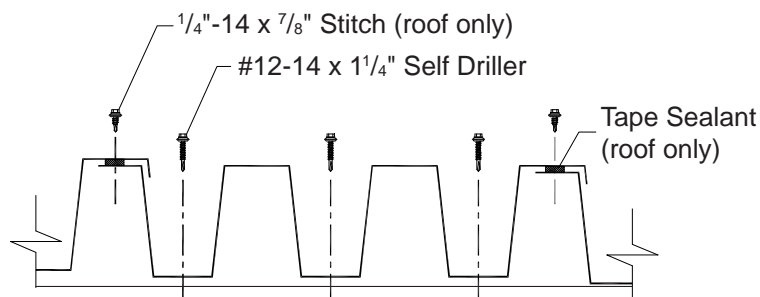
TDR-6 PANEL

ATTACHMENT DETAIL



FASTENING PATTERN

Roof Panel Fastening Pattern (Field and Ends)



GENERAL INFORMATION

► Substructure

TDR-6 panel is designed to be utilized over open structural framing, or a solid substrate.

► Coverage

TDR-6 panels are available in a 4 1/2" depth with a 18" width coverage.

► Length

Minimum factory cut length is 5'-0".
Maximum recommended panel length is 34'-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		Bottom in Compression		Inward (Gravity / Deflection) Load						Outward Uplift (Stress) Load					
				Ixx In ⁴ /ft	Sxx In ³ /ft	Ixx In ⁴ /ft	Sxx In ³ /ft	5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	18"	50	2.24	0.1264	0.4642	1.2533	0.4136	108	89	74	64	59	38	109	90	76	65	50	40
22	18"	50	2.93	1.9267	0.7759	1.9133	0.6803	235	190	158	133	99	76	239	194	162	138	104	81
20	18"	33	3.52	2.6433	1.1525	2.7913	1.1063	370	290	233	191	135	99	374	294	237	195	138	102
18	18"	33	4.64	3.7207	1.6779	3.8853	1.5739	475	377	306	253	181	135	482	384	313	261	188	141

- 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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