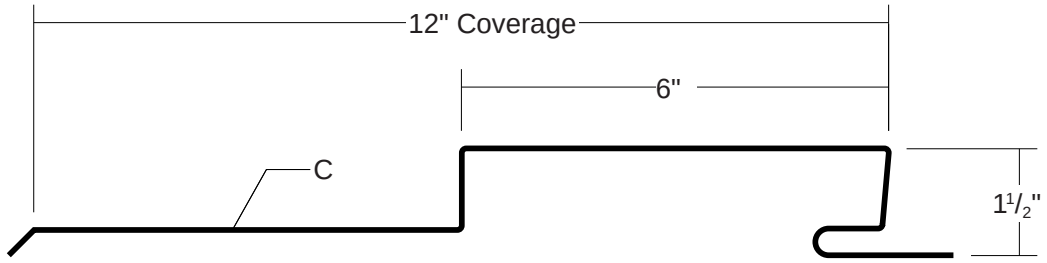
TL-17A PANEL

CONDENSED TECHNICAL REFERENCE

WALL PANEL



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

CONCEALED FASTENED

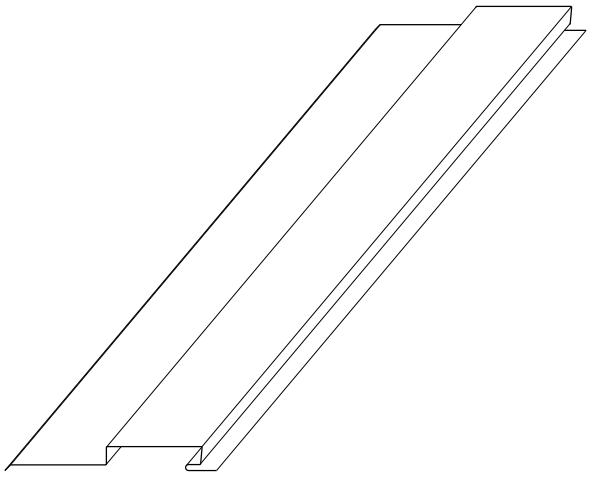
12" COVERAGE

CUSTOM CAPABILITIES

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
- 12" panel coverage, $1^1/_2$" height
- Optional material availablity: Stainless Steel, Copper, and Aluminum
- Use on single skin or field-assembled wall system applications
- Concealed fastened system
- Custom capabilites include:
  - Perforated panels for wind screens and liner panels



TESTING

- ASTM E-330 Uniform Static Air Pressure Difference

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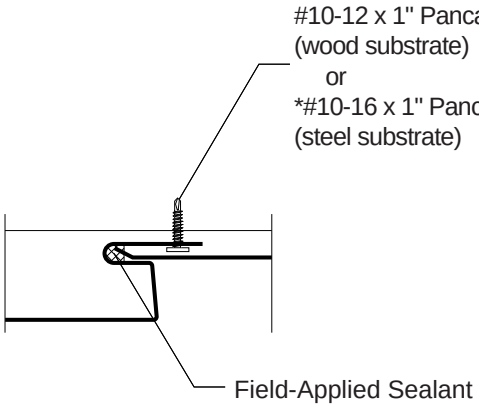
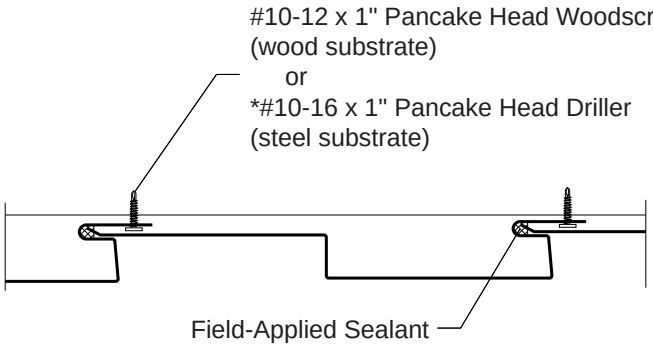
ATTACHMENT DETAIL



FASTENING PATTERNS



*Pre-drilling into thicker steel may be required.

GENERAL INFORMATION

▶ Substructure
TL-17A panels are designed to be utilized over open structural framing, or a solid substrate.

▶ Coverage
TL-17A panels are available in a 1½" depth with a 12" 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 LOADS PSF (3 or More Equal Spans)

Ga.	Width (in.)	Yield KSI	Weight PSF	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				Ixx In^4/ft	Sxx In^3/ft	Ixx In^4/ft	Sxx In^3/ft	2'	3'	4'	5'	6'	8'	2'	3'	4'	5'	6'	8'
24	12"	50	1.33	0.0564	0.0549	0.0703	0.0635	318	153	89	58	40	23	285	135	78	50	35	20
22	12"	50	1.77	0.0837	0.0834	0.0987	0.0913	445	217	127	82	58	33	417	201	117	76	53	30
20	12"	33	2.09	0.1168	0.1214	0.1322	0.1285	388	195	115	76	53	30	374	186	110	72	50	29
18	12"	33	2.75	0.1740	0.1880	0.1870	0.1885	539	276	165	109	77	44	538	276	165	109	77	44

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. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling, fasteners/support connection, or panel disengagement. 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.

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