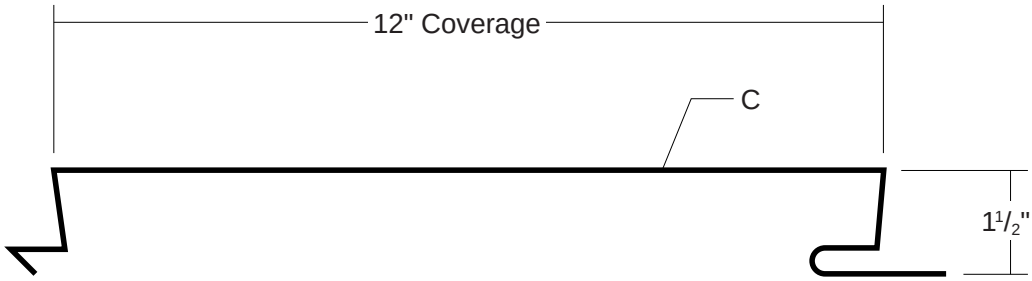
TL-17 PANEL

CONDENSED TECHNICAL REFERENCE

WALL PANEL



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

DIRECT FASTEN (CONCEALED)

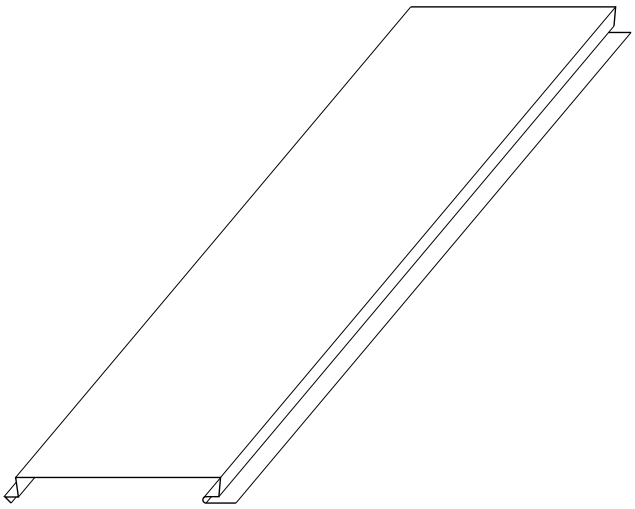
12" COVERAGE

SOFFIT-FASCIA WALL OR LINER PANEL

OPEN FRAMING OR SOLID SUBSTRATE

PANEL OVERVIEW

- Finishes: Kynar 500 (PVDF) standard, optional; multi-pass Kynar, Marblique, Plastisol, and Polyester
- 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-331 Water Penetration
- ASTM E-283 Air Infiltration
- ASTM E-330 Uniform Static Air Pressure Difference

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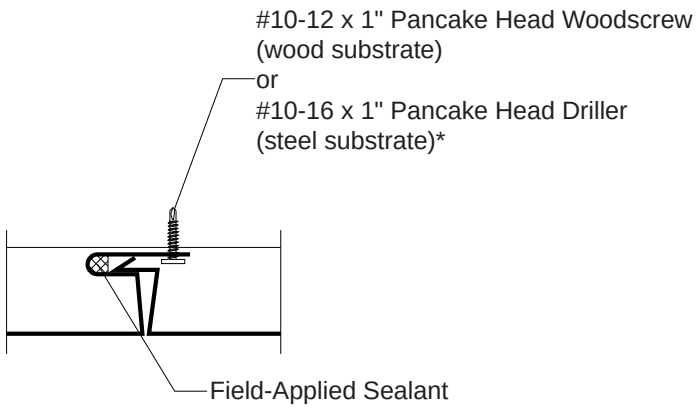
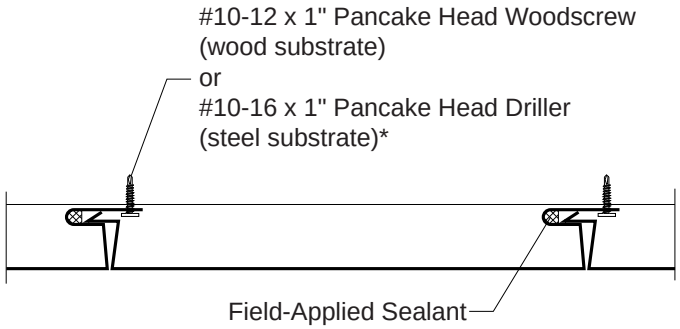
ATTACHMENT DETAIL



FASTENING PATTERNS



*Pre-drilling into thicker steel may be required.

GENERAL INFORMATION

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

▶ Coverage
TL-17 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 500, Marblique, Plastisol, and Polyester
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	1.34	0.0495	0.0562	0.0746	0.0597	302	145	84	54	38	22	288	137	79	51	36	20
22	12"	50	1.77	0.0724	0.0860	0.1025	0.0821	409	197	115	75	52	30	29	29	29	29	0	0
20	12"	33	2.10	0.0986	0.1268	0.1294	0.1043	335	163	95	62	44	25	29	29	29	29	0	0
18	12"	33	2.76	0.1480	0.1805	0.1790	0.1446	453	224	131	86	60	134	29	29	29	29	0	0

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 panel testing. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection or panel disengagement. Panel weight is not considered.
3. Deflection is limited to L/180.
4. Allowable loads do not include a 1/3 stress increase.

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Kent, WA (800) 431-3470
Temple, TX (800) 543-4415
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