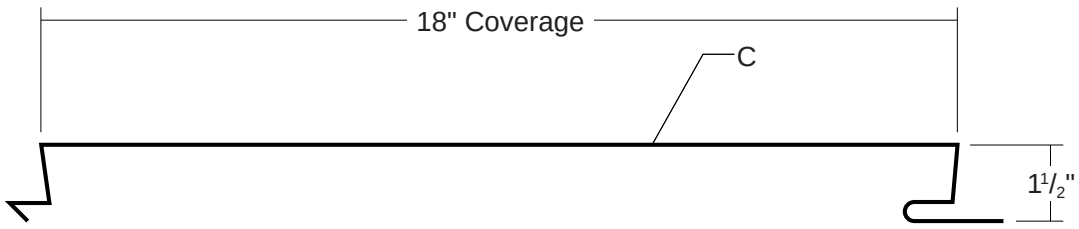
TL-17 WIDE PANEL

CONDENSED TECHNICAL REFERENCE

WALL PANEL



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

CONCEALED FASTENED

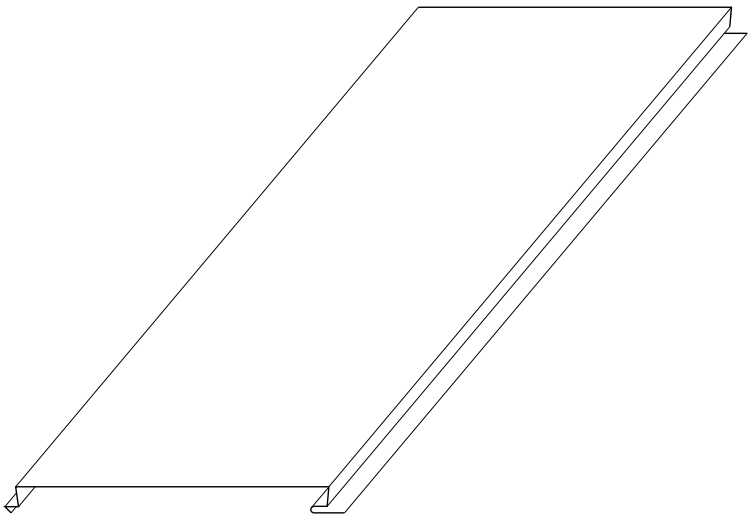
18" COVERAGE

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: 24g, 22ga, 20ga, and 18ga
- 18" 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



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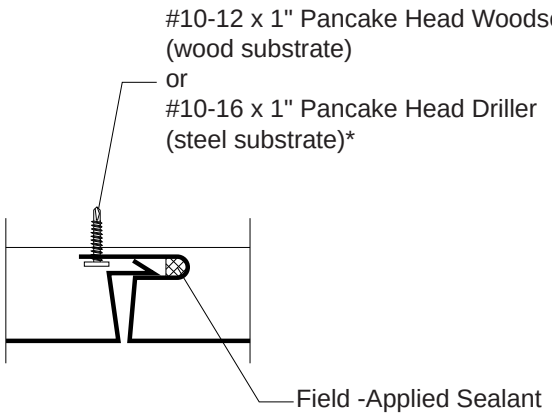
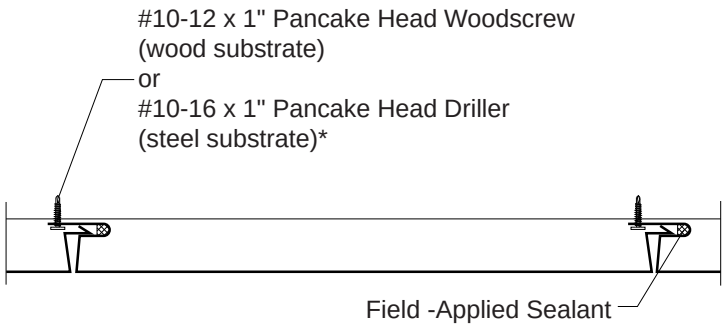
ATTACHMENT DETAIL



FASTENING PATTERNS



*Pre-drilling into thicker steel may be required.

GENERAL INFORMATION

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

▶ Coverage
TL-17 Wide panels are available in a 1½" depth with a 18" 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	18"	50	1.20	0.0333	0.0376	0.0533	0.0407	204	98	57	37	26	15	193	92	53	34	24	14
22	18"	50	1.59	0.0487	0.0576	0.0733	0.0559	277	134	78	51	36	20	283	137	80	52	37	21
20	18"	33	1.88	0.0660	0.0852	0.0933	0.0711	227	111	65	42	30	17	255	128	76	50	35	20
18	18"	33	2.47	0.1000	0.1207	0.1287	0.0985	306	152	89	58	41	23	346	177	106	70	50	28

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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