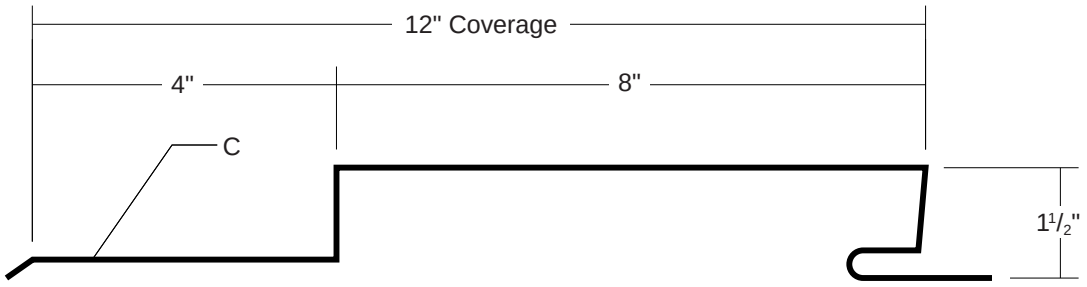
TL-17C PANEL

CONDENSED TECHNICAL REFERENCE

WALL PANEL



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

DIRECT FASTEN (CONCEALED)

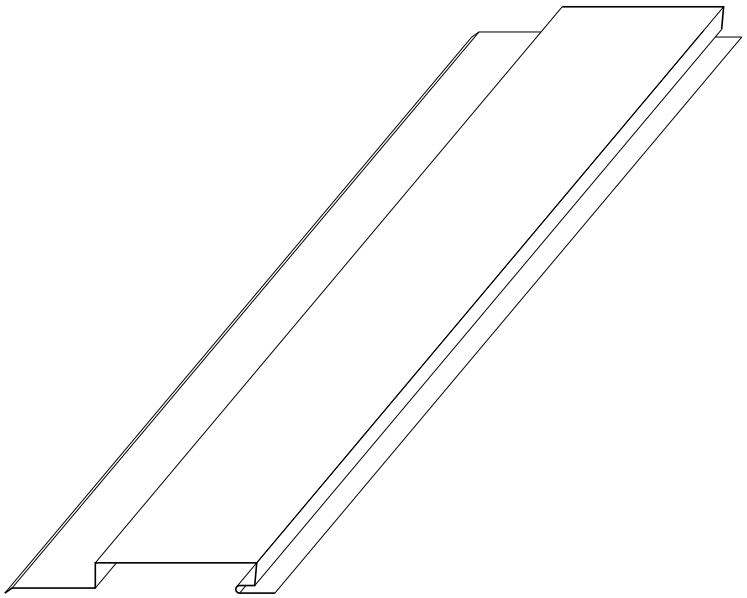
12" COVERAGE

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: 24g, 22ga, 20ga, and 18ga
- 12" panel coverage, 1½" 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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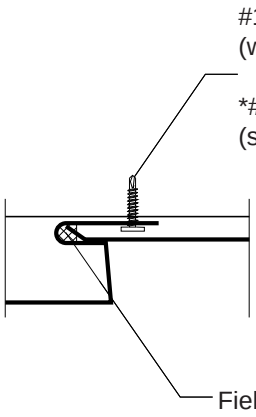
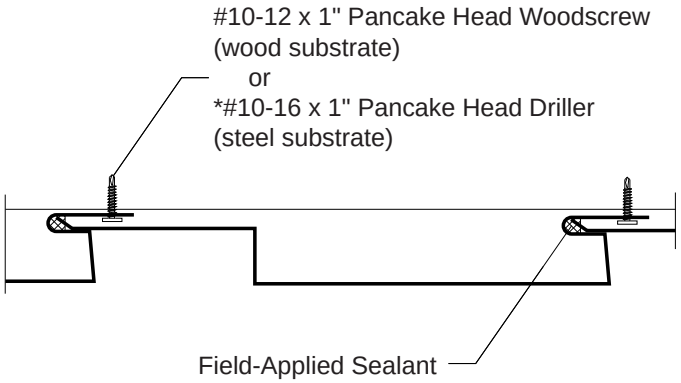
ATTACHMENT DETAIL



FASTENING PATTERN



*Pre-drilling into thicker steel may be required.

GENERAL INFORMATION

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

▶ Coverage
TL-17C 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	0.0553	0.0555	0.0788	0.0675	332	161	94	61	43	24	287	136	78	51	35	20
22	12"	50	1.77	0.0819	0.0845	0.1101	0.0961	461	226	133	87	61	35	421	203	1118	77	54	30
20	12"	33	2.09	0.1140	0.1237	0.1480	0.1347	399	202	120	79	56	32	379	189	111	73	51	29
18	12"	33	2.75	0.1700	0.1930	0.2080	0.1955	549	284	171	113	80	46	546	281	169	112	79	45

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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