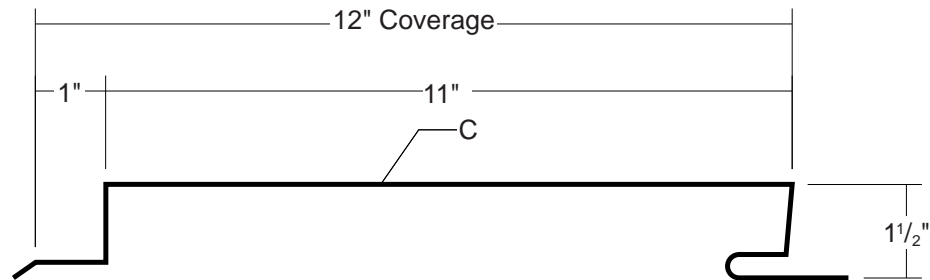


TL-17D PANEL

**CONDENSED
TECHNICAL
REFERENCE**

WALL PANEL



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

CONCEALED
FASTENED

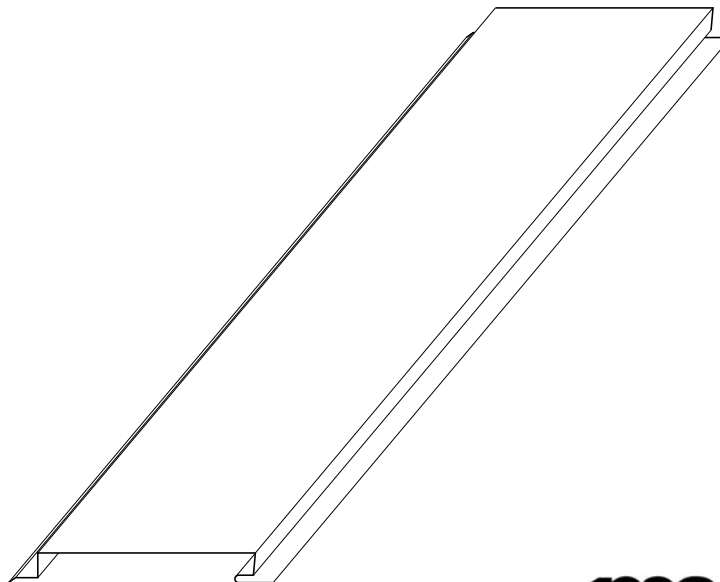
12"
COVERAGE

SOFFIT-FASCIA
WALL OR LINER
PANEL

OPEN FRAMING OR
SOLID SUBSTRATE

PANEL OVERVIEW

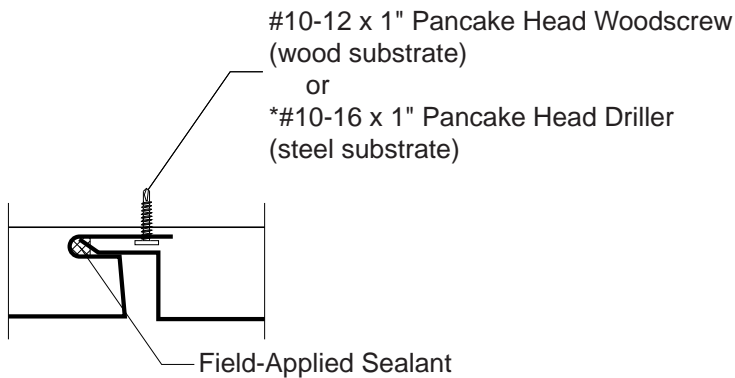
- ▶ Finishes: Kynar 500 (PVDF) standard, optional; multi-pass Kynar, Marblique, Plastisol, Polyester, and MS Colorfast45® (SMP)
- ▶ Gauges: 24ga, 22ga, 20ga, and 18ga
- ▶ 12" panel coverage, 1 1/2" height
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum
- ▶ Use on single skin or field-assembled wall system applications
- ▶ Concealed fastened system
- ▶ Custom capabilities include:
 - Perforated panels for wind screens and liner panels



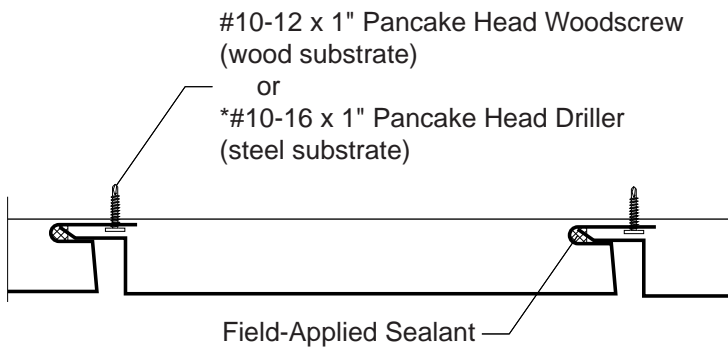
TL-17D PANEL

CONDENSED TECHNICAL REFERENCE

ATTACHMENT DETAIL



FASTENING PATTERNS



*Pre-drilling of thicker steel may be required.

GENERAL INFORMATION

► Substructure

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

► Coverage

TL-17D panels are available in a 1½" depth with a 12" width coverage.

► Length

Minimum factory cut length is 5'-0".
Maximum available panel length is 22'-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	0.0521	0.0564	0.0831	0.0665	329	159	93	60	42	24	291	138	80	52	36	20
22	12"	50	1.77	0.0765	0.0863	0.1197	0.0979	466	230	135	88	62	35	427	207	120	78	55	31
20	12"	33	2.09	0.1051	0.1270	0.1553	0.1296	390	196	116	76	54	31	385	193	114	75	53	30
18	12"	33	2.75	0.1550	0.1993	0.2130	0.1805	526	268	160	105	74	43	555	288	173	115	81	47

- 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. 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.
- 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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