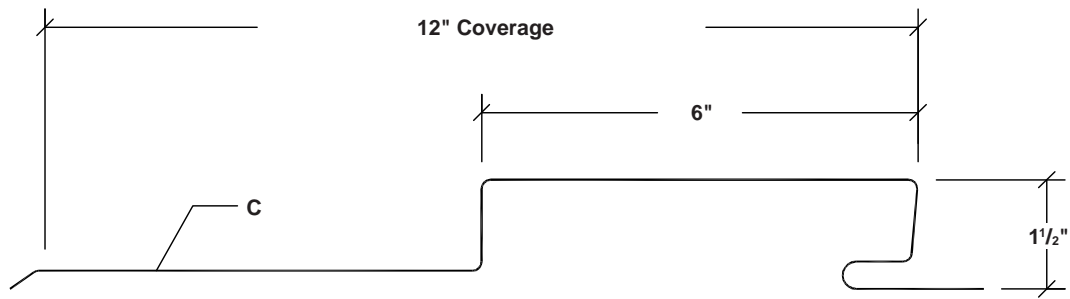


TL-17A PANEL

SIDING PANEL



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

CONCEALED
FASTENERS

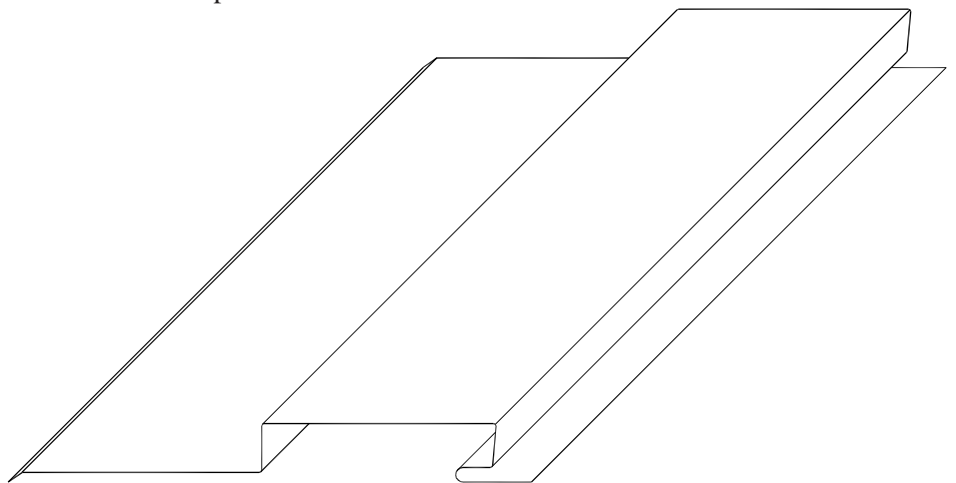
12"
COVERAGE

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, 1½" height
- ▶ Optional material availability: Stainless Steel, Weathering 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
 - Tapering



TESTING

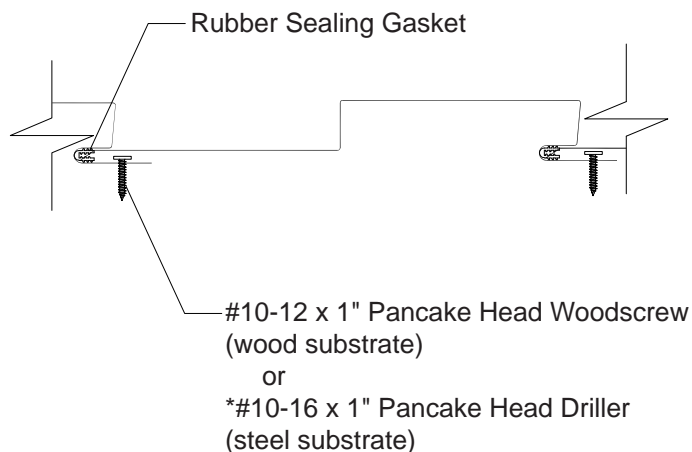
- ▶ ASTM E-330 Uniform Static Air Pressure Difference

metal sales
manufacturing corporation



TL-17A PANEL

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 1 1/2" depth with a 12" width coverage.

► Length

Minimum factory cut length is 5'-0".
Maximum recommended panel length is 34'-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	1.45	0.0597	0.0564	0.0754	0.0689	464	222	129	83	58	25	396	186	107	69	48	25
22	12"	50	1.88	0.0877	0.0850	0.1048	0.0980	646	312	182	118	82	35	581	276	159	103	72	35
20	12"	33	2.21	0.1227	0.1239	0.1392	0.1368	563	279	164	108	76	43	527	258	150	98	68	39
18	12"	33	2.89	0.1830	0.1921	0.1970	0.2003	785	398	236	156	110	63	766	385	228	150	106	60

- 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.

metal sales
manufacturing corporation



Kent, WA (800) 431-3470
Temple, TX (800) 543-4415
Longmont, CO (800) 289-7663
Antioch, TN (800) 251-8508
Woodland, CA (800) 759-6019
Rogers, MN (800) 328-9316
Spokane, WA (800) 572-6565

Jefferson, OH (800) 321-5833
Rock Island, IL (800) 747-1206
Sellersburg, IN (800) 999-7777
Jacksonville, FL (800) 394-4419
Orwigsburg, PA (800) 544-2577
Independence, MO (800) 747-0012
Fontana, CA (800) 782-7953

Anchorage, AK (866) 640-7663
Bay City, MI (888) 777-7640
Detroit Lakes, MN (888) 594-1394
Mocksville, NC (800) 228-6119