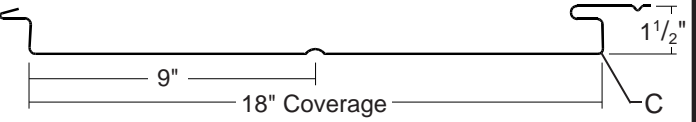


FLUSH FACE SERIES-18

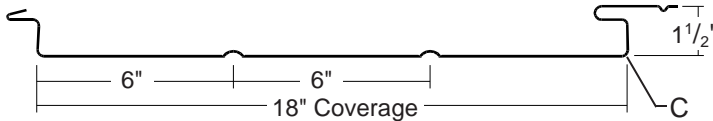
TLC-5 PANEL



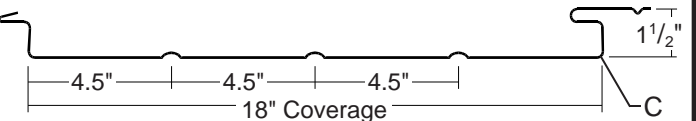
TLC-6 PANEL



TLC-7 PANEL



TLC-8 PANEL



ARCHITECTURAL
COMMERCIAL
INDUSTRIAL
PANEL

CONCEALED
FASTENERS

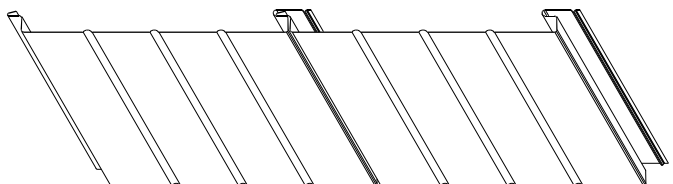
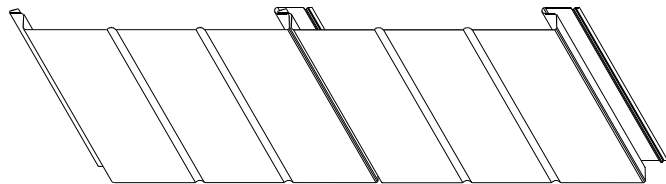
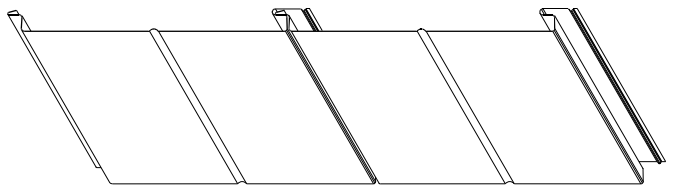
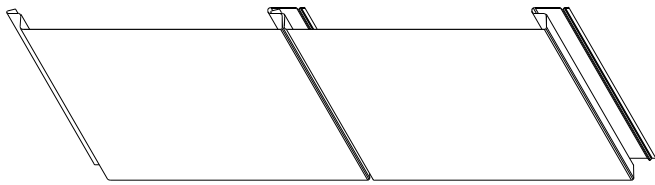
18"
COVERAGE

SOFFIT-FASCIA
WALL OR LINER
PANEL

OPEN FRAMING OR
SOLID SUBSTRATE

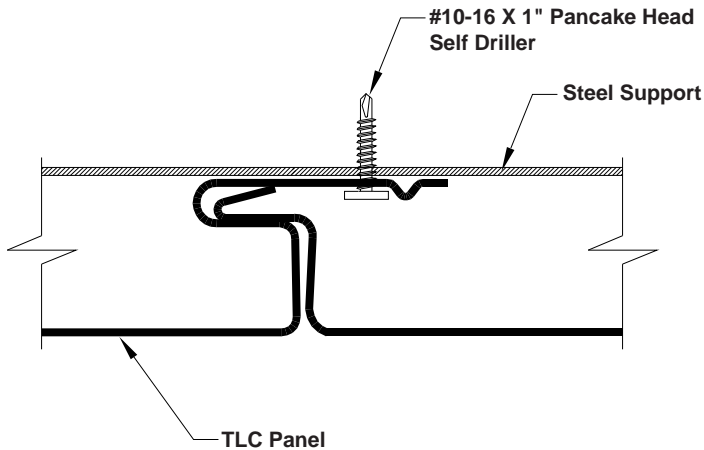
PANEL OVERVIEW

- ▶ Finishes: Kynar 500 (PVDF) standard, optional; multi-pass Kynar, Marblique, Plastisol, and Polyester
- ▶ Gauges: 24ga, 22ga, and 20ga
- ▶ 18" panel coverage, 1 1/2" height
- ▶ Roll Formed Panels
- ▶ Optional material availability: Stainless Steel, Copper, and Aluminum-inquire
- ▶ Use on single skin or field-assembled wall system applications
- ▶ Concealed fastened system
- ▶ Panels can be installed Horizontal or Vertical and are interchangeable for accent effects



FLUSH FACE SERIES-18

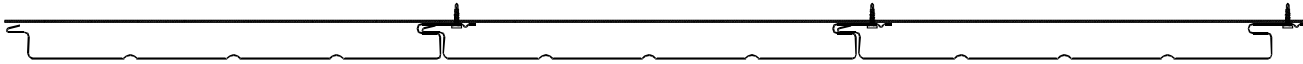
FASTENING PATTERN



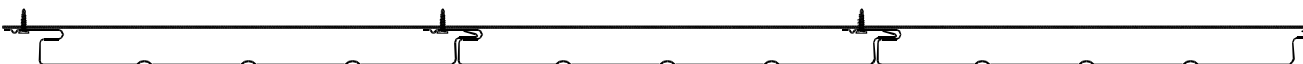
*Pre-drilling into thicker steel may be required.

DIRECTIONAL DETAILS

Left to Right Installation



Right to Left Installation



GENERAL INFORMATION

► Substructure

Flush Face Series-18 Panels are designed to be utilized over open structural framing or a solid substrate.

► Coverage

TLC-5, TLC-6, TLC-7, and TLC-8 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 40'-0".
Available in 1" increments.

► 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, and 20ga

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					
				I _{xx} In ⁴ /ft		S _{xx} In ³ /ft		I _{xx} In ⁴ /ft		S _{xx} In ³ /ft		2'		3'		4'		5'		6'		8'	
				2'	3'	4'	5'	6'	8'	2'	3'	4'	5'	6'	8'	2'	3'	4'	5'	6'	8'		
24	18"	50	1.29	0.0400	0.0409	0.0967	0.0790	281	142	80	51	35	20	198	97	57	37	26	15				
22	18"	50	1.69	0.0580	0.0612	0.1360	0.1113	372	209	120	77	53	30	281	141	83	55	39	22				
20	18"	33	2.03	0.0800	0.0894	0.1800	0.1495	303	174	112	76	53	30	252	132	80	53	38	22				

- Theoretical section properties have been calculated per AISI 2001 "Specification for the Design of Cold-formed Steel Structural Members." I_{xx} and S_{xx} 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