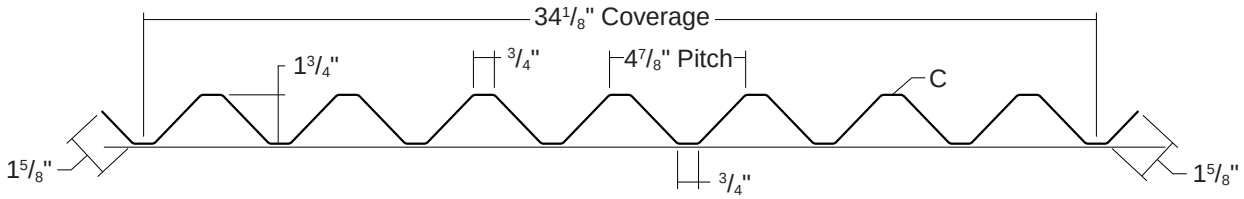
T11-A WALL PANEL

CONDENSED TECHNICAL REFERENCE

WALL PANEL



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

DIRECT FASTEN

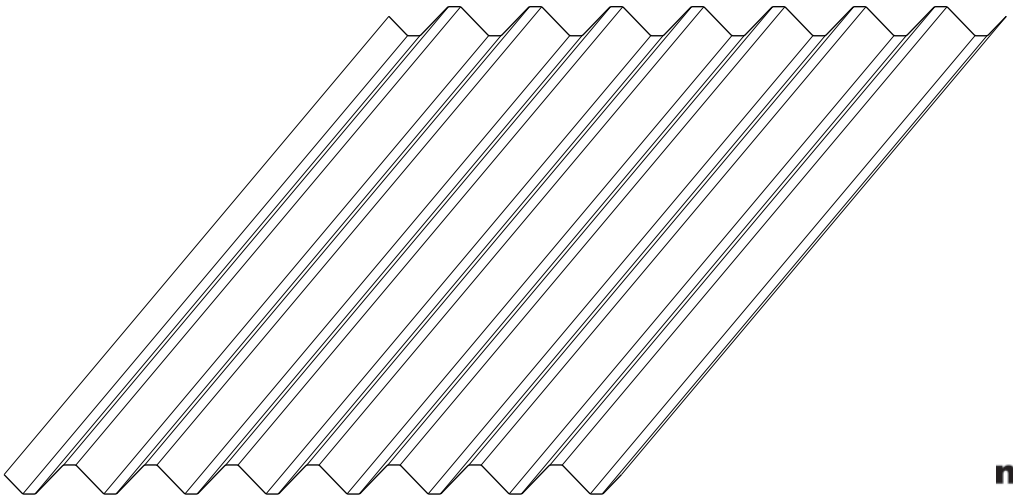
36" COVERAGE

WALL 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
- 34 1/8" panel coverage, 1 3/4" rib height
- Trapezoidal ribs on 9" centers
- Exposed Fastener Panel
- Minimum Roof Slope 1:12
- Optional material availablity: Stainless Steel, Copper, and Aluminum
- Custom capabilites include:
  - Crimp curving (convex, concave, or "S" curves)



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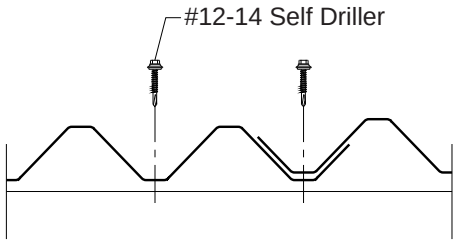
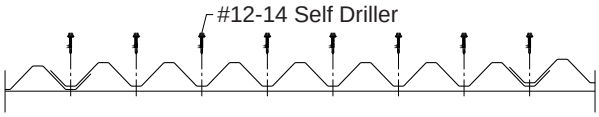
ATTACHMENT DETAIL



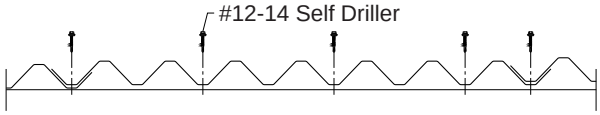
Tape Sealant

FASTENING PATTERN

Ends of Panel



Field of Panel



GENERAL INFORMATION

▶ **Substructure**
T11-A Panels are designed to be utilized over open structural framing or a solid substrate.

▶ **Coverage**
T11-A Panels are available in a $1^{3}/_{4}$" depth with a coverage width of $34^{1}/_{8}$".

▶ **Length**
Minimum factory cut length is 5'-0".
Maximum recommended panel length is 31'-10".

▶ **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 / Uplift Load					
				Ixx In^4/ft	Sxx In^3/ft	Ixx In^4/ft	Sxx In^3/ft	5'	6'	7'	8'	10'	12'	5'	6'	7'	8'	10'	12'
24	36"	50	1.18	0.1067	0.1207	0.0713	0.0829	76	53	39	30	19	12	93	65	48	37	21	12
22	36"	50	1.56	0.1533	0.1519	0.1033	0.1259	116	81	60	46	28	16	139	97	72	55	28	16
20	36"	33	1.85	0.1967	0.2029	0.1367	0.1792	108	75	56	43	27	19	121	85	63	48	31	19
18	36"	33	2.43	0.2633	0.2697	0.2033	0.2483	149	104	77	59	38	25	161	113	84	64	41	25

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, and applicable testing when available. Allowable load considers the worst case of 3 and 4 equal span conditions. Allowable load does not address web crippling or fasteners/support connection and 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 in uplift.

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