

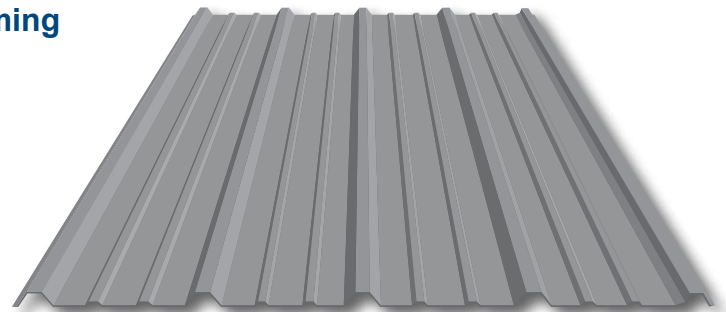
Pro-Panel II

Metal Sales Manufacturing Corporation



Metal Roof, Wall and Liner Panel

- ▶ Choose from PVDF, MS Colorfast45® or Acrylic Coated Galvalume®
- ▶ Available in a wide variety of ENERGY STAR® listed colors
- ▶ Applies over solid substrate or open framing
- ▶ 29 gauge and 26 gauge standard
- ▶ Minimum roof slope 3:12



800.406.7387
metalsales.us.com

ms metal sales™
manufacturing corporation

PRO-PANEL II®

PROFILE



*Anchorage, AK, Seattle, WA and Spokane, WA branches only

PANEL INFORMATION

- ▶ 36" panel coverage
- ▶ Gauges: 29 ga. and 26 ga.
- ▶ Minimum roof slope: 3:12
- ▶ Up to a 45 year paint warranty and up to a 10 year edge corrosion warranty available
- ▶ Finishes: MS Colorfast45® and Acrylic Coated Galvalume®

TESTING

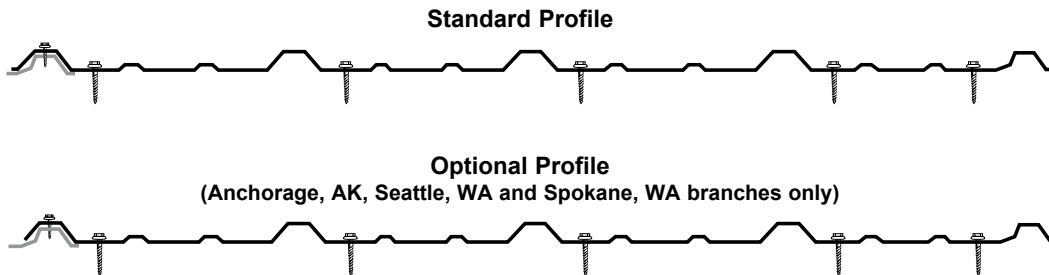
- ▷ UL 790 Class A Fire Resistance Rating
- ▷ UL 2218, Class 4 Impact Resistance
- ▷ ASTM E 455 Diaphragm Test
- ▷ 2017 Florida Building Code Approved:
-29 ga. over 1/2" Plywood 14645.14

GENERAL INFORMATION

- ▶ **Substructure:** Pro-Panel II is designed to be utilized over open structural framing or a solid substrate. To avoid panel distortion, use a properly aligned and uniform substructure.
- ▶ **Length:** Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-0". Longer panels require additional considerations in packaging, shipping and erection. Please consult Metal Sales for recommendations.
- ▶ **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.

For all specific warranty, application, installation, and technical information regarding these products, contact your representative.

FASTENING PATTERNS



LOAD TABLE

SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS psf (3 or More Equal Spans)									
Ga.	Width (in.)	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load					Outward Load				
				lxx in ⁴ /ft	Sxx in ³ /ft	lxx in ⁴ /ft	Sxx in ³ /ft	2'	2.5'	3'	3.5'	4'	2'	2.5'	3'	3.5'	4'
29	36	80	0.62	0.0060	0.0123	0.0043	0.0128	88	57	40	27	18	85	55	38	27	18
26	36	80	0.79	0.0083	0.0171	0.0057	0.0165	114	73	51	34	23	118	76	53	34	23

1. Theoretical section properties have been calculated per AISI 2012 "Specifications for the Design of Cold-formed Steel Structural Members." lxx and Sxx are effective section properties for deflection and bending.
2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal span condition. Allowable load does not address web crippling, fasteners/support connection or load testing. 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.
5. *Diaphragm Capacity* - 306 plf average Ultimate Shear Strength using the above fastening pattern on 2x supports located 2' on center per ASTM E 455.

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Metal Sales Manufacturing Corporation

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