

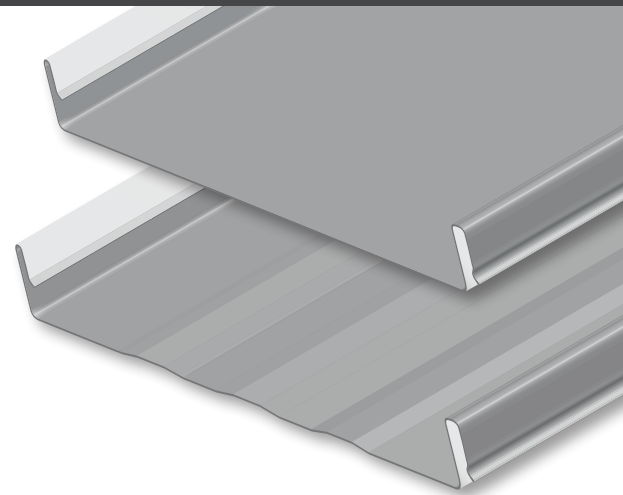
Vertical Seam

ms Metal Sales™



Architectural and Residential Roof Panel

- Snap-seam with a concealed clip
- 26 ga. and 24 ga. standard
- Minimum roof slope 3:12 (Open Framing)
- Minimum roof slope 1:12 (Solid Substrate)
- Available in a wide variety of colors
- Installs over a solid substrate or open framing

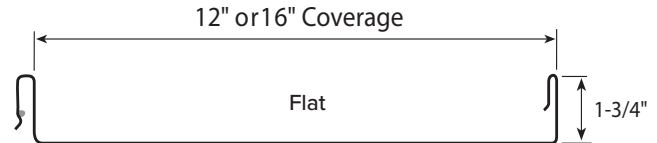
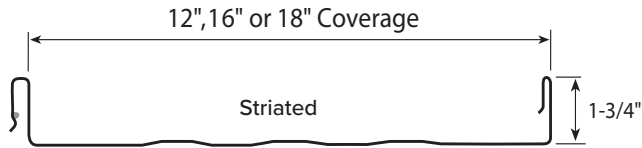


800.406.7387
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VERTICAL SEAM

ROOF PANEL



PANEL INFORMATION

- ▷ 12", 16" or 18" panel coverage
- ▷ Gauge: 26 ga. & 24 ga. standard; 22 ga. optional
- ▷ Minimum roof slope: 3:12
- ▷ Architectural/Residential structural standing snap-seam
- ▷ Rib Height: 1-3/4"

TESTING AND APPROVALS

- ▷ UL 263 Fire Resistance Rating – per assembly
- ▷ UL 580 Class 90 Wind Uplift, Construction, #254, 255, 261, 303, 342, 343, 436, 445, 446, 508 & 508A
- ▷ UL 790 Class A Fire Resistance Rating – per assembly
- ▷ UL 2218 Impact Resistance – Class 4
- ▷ ASTM E 1592 Roof Uplift
- ▷ ASTM E 1646 Water Penetration
- ▷ ASTM E 1680 Air Leakage
- ▷ Texas Windstorm – Evaluation RC-412
- ▷ ICC Evaluation Report – ESR-2385
- ▷ Miami-Dade County Florida – NOA 24-0212.04
- ▷ 2023 FBC Approvals – 1/2" Plywood, FL11560.9 (26 gauge, 16")
24 Gauge over: **0.032" Aluminum over:**
 - 1/2" Plywood, FL11560.7 (16") - 7/16" OSB, FL14645.4 (16")
 - 1/2" Plywood, FL11560.8 (18") - 5/8" Plywood FL14645.5 (16")

GENERAL INFORMATION

► **Features:** Vertical Seam panels will not warp, split, crack or curl and are impervious to mildew, rot, termites and pests. Installation over solid substrate is a snap.

► **Substructure:** Vertical Seam is designed to be utilized over a solid substrate or open framing. To avoid panel distortion, use a properly aligned and uniform substructure.

► **Length:** Minimum factory cut length is 5'-0". Maximum recommended panel length is 30'-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.

► **Finishes:** MS Colorfast45®, PVDF colors, & Acrylic-Coated Galvalume.

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

LOAD TABLE

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	1.5'	2'	2.5'	3'	3.5'	4'	1.5'	2'	2.5'	3'	3.5'	4'
26	12	50	1.06	0.0783	0.05320	0.0370	0.0405	337	193	124	87	64	49	72	65	57	50	43	36
26	16	50	0.97	0.0617	0.0403	0.0278	0.0304	253	145	93	65	48	37	72	65	57	50	43	36
24	12	50	1.38	0.1120	0.0777	0.0525	0.0554	464	265	171	119	88	67	45	45	44	43	42	41
24	16	50	1.26	0.0885	0.0590	0.0398	0.0416	348	199	128	89	66	50	43	40	38	35	32	30
24	18	50	1.22	0.0807	0.0527	0.0353	0.0369	309	177	114	79	58	45	39	36	33	30	27	24
22	12	50	1.81	0.1534	0.1072	0.0763	0.0768	600	437	282	197	145	111	71	71	69	67	65	62
22	16	50	1.66	0.1230	0.0823	0.0578	0.0577	484	276	178	124	91	70	60	57	54	51	48	45
22	18	50	1.60	0.1113	0.0737	0.0513	0.0513	430	245	158	110	81	62	32	32	31	30	30	29

- Theoretical section properties have been calculated per AISI 2016 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
- Allowable loads are calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending and shear, deflection and ASTM E 1592 uplift testing for 24 ga and 22 ga and UL 580 uplift testing for 26 ga. Allowable loads consider the 3 or more equal spans condition. Allowable loads do not address web crippling, fasteners or support material. 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 for wind.
(-) Indicates that no testing is available for the application.

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