



ARCHITECTURAL “V” RIB PANEL

PANEL SPECIFICATIONS

1. PRODUCT NAME

AMS Architectural “V” Rib Panels for wall applications.

2. MANUFACTURER

ARCHITECTURAL METAL SYSTEMS

1150 State Docks Road
Eufaula, Alabama 36027
Phone: (334) 688-2650
Fax: (334) 687-0298

3. PRODUCT DESCRIPTION

These wall panels provide 36” of coverage and reveal a sculptured appearance with semi-concealed fasteners. Rib depth is 1 5/16” on 12” centers.

Basic Use: A wall panel system for new or retrofit construction.

Materials: Architectural “V” Rib wall panels are 29, 26, 24 and 22 gage 80,000 psi (22 gage is 50,000 psi) either G90 zinc-coated (galvanized) or AZ50 aluminum-zinc alloy-coated steel. Pre-painted panels have Architectural Metal System’s Premium 70 Plus (Kynar 500®) Finish. An embossed finish is available as an option.

Architectural “V” Rib panels are attached to the secondary framing members by self-drilling carbon steel screws, No. 12 x 1-1/4” hex washer head, cadmium or zinc plated. Fasteners are applicable for use with fiberglass blanket insulation up to 6” thick.

Architectural “V” Rib panel sidelaps are stitched with self-drilling carbon steel screws, No. 14 x 7/8” cadmium or zinc plated.

Fasteners are normally color coordinated with a premium coating system that protects against corrosion and weathering.

4. TECHNICAL DATA

The Architectural “V” Rib panel has been tested in accordance with Air Infiltration, ASTM E 283 and Water Penetration, ASTM E331. This panel has received a Class A fire rating when tested in accordance with test procedure ASTM E108.

5. INSTALLATION

Installation should be performed in accordance with Architectural Metal System’s manuals and roof erection drawings, and should be by a qualified installer using proper tools and equipment. Systems are installed by Architectural Metal Systems Preferred Roofing Contractors.

6. AVAILABILITY

For availability, contact:
Architectural Metal Systems
1150 State Docks Road
Eufaula, Alabama 36027
Phone: (334) 688-2650
Fax: (334) 687-0298

7. WARRANTY

Thirty-five year paint finish warranties are available.

8. MAINTENANCE

Only normal routine maintenance is required over the life of the panels.

9. TECHNICAL SERVICES

For information, contact:
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Eufaula, Alabama 36027
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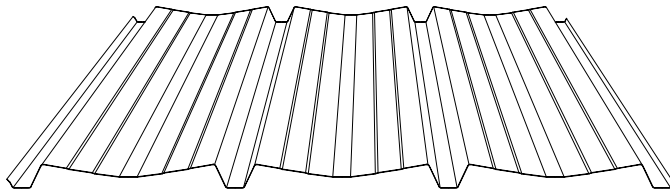
10. PRODUCT NOTES

Architectural Metal Systems reserves the right to revise all standard specifications and information. Architectural Metal Systems regularly updates its published “Standard Specifications” on the AMS web site, www.ametalsystems.com, which supercede and replace any previously published standard specifications of Architectural Metal Systems.

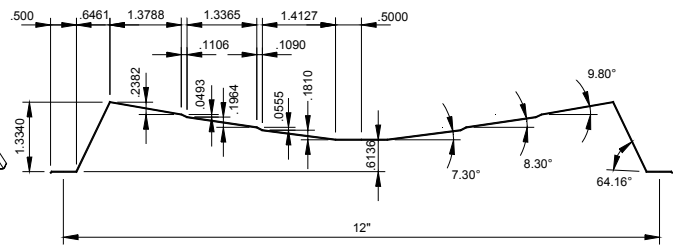
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ARCHITECTURAL "V" RIB PANEL

PANEL SPECIFICATIONS



PANEL PROFILE



PARTIAL CROSS SECTION

Engineering Properties of American's Architectural "V" Rib Panel								
Designated Gage of Steel	Base Metal Thickness (Inches)	Total Thickness (Inches)	Panel Weight (lbs./ft. ²)	Rib		Flat		Fy/1.67 (ksi)
				In Compression	In Compression	In Compression	In Compression	
				I _x (In ⁴ /ft.)	S _x (In ³ /ft.)	I _x (In ⁴ /ft.)	S _x (In ³ /ft.)	
29 Gage	0.0137	0.0146	0.71	0.025	0.044	0.024	0.036	36
26 Gage	0.0177	0.0184	0.90	0.034	0.059	0.033	0.052	36
24 Gage	0.0225	0.0230	1.12	0.043	0.077	0.043	0.072	36
22 Gage	0.0300	0.0301	1.47	0.057	0.104	0.060	0.105	30
Designated Gage of Steel	Number of Spans	Maximum Total Uniform Load in PSF						
		L = 4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	7'-0"	8'-0"
29 Gage Steel	1	73 / -88	58 / -69	47 / -56	39 / -46	32 / -39	24 / -29	18 / -22
	2	83 / -73	69 / -58	56 / -47	46 / -39	39 / -32	29 / -24	22 / -18
	3	110 / -91	87 / -72	70 / -58	58 / -48	49 / -40	36 / -30	27 / -23
	4	103 / -85	81 / -67	66 / -54	54 / -45	46 / -38	33 / -28	26 / -21
26 Gage Steel	1	104 / -117	82 / -93	66 / -75	55 / -62	46 / -52	34 / -38	26 / -29
	2	117 / -104	93 / -82	75 / -66	62 / -55	52 / -46	38 / -34	29 / -26
	3	147 / -129	116 / -102	94 / -83	78 / -68	65 / -58	48 / -42	37 / -32
	4	137 / -121	108 / -95	88 / -77	73 / -64	61 / -54	45 / -39	34 / -30
24 Gage Steel	1	144 / -153	114 / -121	92 / -98	76 / -81	64 / -68	47 / -50	36 / -38
	2	153 / -144	121 / -114	98 / -92	81 / -76	68 / -64	50 / -47	38 / -36
	3	191 / -180	151 / -142	122 / -115	101 / -95	85 / -80	62 / -59	48 / -45
	4	179 / -168	141 / -133	114 / -107	94 / -89	79 / -75	58 / -55	45 / -42
22 Gage Steel	1	175 / -173	138 / -137	112 / -111	93 / -91	78 / -77	57 / -56	44 / -43
	2	173 / -175	137 / -138	111 / -112	91 / -93	77 / -78	56 / -57	43 / -44
	3	216 / -219	171 / -173	138 / -140	114 / -116	96 / -97	71 / -72	54 / -55
	4	202 / -205	159 / -162	129 / -131	107 / -108	90 / -91	66 / -67	50 / -51

1. Section properties have been calculated in accordance with the *AISI Specification for the Design of Cold-Formed Steel Structural Members, 1996 Edition, including Supplement No. 1 (1999)*.
2. Minimum yield strength of 29, 26 and 24 gage steel is 80,000 psi. Minimum yield strength of 22 gage steel is 50,000 psi.
3. Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness shown in the minimum design thickness and was used in determining section properties.
4. Positive load is downward load applied to the top of the panel cross section as shown above. Negative load is opposite
5. The loads shown are limited by the more critical of Span/120 deflection or the allowable bending moment with no stress increase.