



ARCHITECTURAL “V” RIB PANEL SPECIFICATIONS

1. PRODUCT NAME

American Architectural “V” Rib Panels for wall applications.

2. MANUFACTURER

AMERICAN BUILDINGS COMPANY

1150 State Docks Road
Eufaula, Alabama 36027
Phone: (334) 687-2032

3. PRODUCT DESCRIPTION

These wall panels provide 36” of coverage and reveal a sculptured appearance with semi-concealed fasteners. Rib depth is 1 1/4” on 12” centers.

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

Materials: Architectural “V” Rib wall panels are available in , 26 or 24 gage 80,000 psi, G90 zinc-coated (galvanized) steel or aluminum-zinc alloy-coated (AZ50 or AZ55) steel. Pre-painted panels have American Buildings Company’s Silicone Modified Polyester Finish. 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. Architectural “V” Rib panel sidelaps are stitched with self-drilling carbon steel screws, No. 14 X 3/4” cadmium or zinc plated. Fasteners are normally color coordinated with a premium coating system that protects against corrosion and weathering.

Maximum insulation thickness allowed with these panels is 6”.

4. TECHNICAL DATA

The Architectural “V” Rib panel has been tested in accordance with Air Infiltration, ASTM E283 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 American Buildings Company’s manuals and building erection drawings, and should be by a qualified installer using proper tools and equipment. Systems are installed by American Buildings Company Authorized Builders.

6. AVAILABILITY

For availability, contact:

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7. WARRANTY

Thirty-five Year material warranties are available.

8. MAINTENANCE

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

9. TECHNICAL SERVICES

For information, contact:

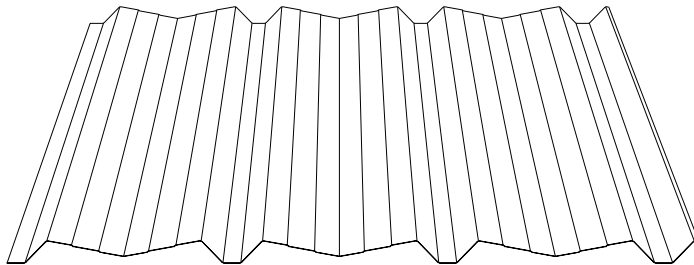
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10. PRODUCT NOTES

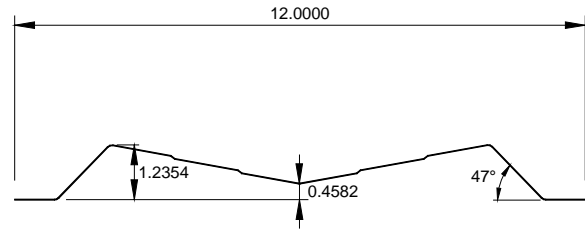
American Buildings Company reserves the right to revise all standard specifications and information. American Buildings Company regularly updates its published “Standard Specifications” on the American Buildings web site, www.americanbuildings.com, which supercede and replace any previously published standard specifications of American Buildings Company.

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PANEL PROFILE



PARTIAL CROSS SECTION

Engineering Properties of American Buildings Company Architectural "V" Rib Panel

Designated Gage of Steel	Steel Yield KSI	Base Metal Thick. (In.)	Total Thick. (In.)	Panel Weight (lbs. / ft. ²)	Top In Compression			Bottom In Compression			Fb KSI
					Ix (In. ⁴ / ft.)	Sx (In. ³ / ft.)	Ma K-IN.	Ix (In. ⁴ / ft.)	Sx (In. ³ / ft.)	Ma K-IN.	
26 Ga.	80	0.0177	0.0193	0.94	0.030	0.042	1.51	0.028	0.035	1.26	36
24 Ga.	80	0.0222	0.0238	1.15	0.040	0.054	1.94	0.037	0.047	1.69	36

Gage of Panel	No. of Spans	Load Type	Maximum Total Uniform Load in PSF							
			Span Lengths, Ft.							
			3.00	3.50	4.00	4.50	5.00	6.00	7.00	7.33
26 Ga.	1	POS	108	80	61	43	31	18	11	10
		NEG	-91	-67	-52	-40	-29	-17	-11	-9
	2	POS	71	61	51	41	33	23	17	16
		NEG	-64	-55	-48	-42	-38	-28	-20	-19
	3	POS	81	69	61	50	41	29	21	19
		NEG	-72	-62	-54	-48	-43	-32	-20	-18
4	POS	78	67	58	47	38	27	20	18	
	NEG	-70	-60	-52	-46	-42	-32	-21	-19	
24 Ga.	1	POS	141	104	80	58	42	24	15	13
		NEG	-123	-91	-70	-53	-38	-22	-14	-12
	2	POS	108	90	70	55	45	31	23	21
		NEG	-80	-69	-60	-53	-48	-36	-26	-24
	3	POS	123	106	86	69	56	39	29	25
		NEG	-91	-78	-68	-61	-55	-42	-26	-23
	4	POS	119	102	81	64	52	36	27	24
		NEG	-87	-75	-66	-58	-52	-42	-28	-24

- The panels were checked for bending, shear, combined bending and shear, deflection, web crippling, and panel pullover. Deflection was limited to span/120
- Section Properties have been calculated in accordance with the Supplement 2004 to the 2001 *North American Specification* for the Design of Cold-Formed Steel Structural Members.
- Minimum yield strength of 26 and 24 gage steel is 80,000 psi.
- Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness was used in determining section properties.
- Positive load (POS) is applied inward toward the panel supports and is applied to the outer surface of the full panel cross-section. Negative load (NEG) is in the opposite direction.