



# ARCHITECTURAL III PANEL PANEL SPECIFICATIONS

## 1. PRODUCT NAME

AMS Architectural III Panels for wall applications.

## 2. MANUFACTURER

### ARCHITECTURAL METAL SYSTEMS

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

## 3. PRODUCT DESCRIPTION

These wall panels provide 36" width coverage with a decorative shadow line and semi-concealed fasteners. Rib height is 1 1/4" on 12" centers.

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

**Materials:** Architectural III wall panels are 29, 26, 24 and 22 gage 80,000 psi (22 gage, 50,000 psi), either G90 zinc-coated (galvanized) or AZ50 aluminum-zinc alloy-coated steel. Pre-painted Panels have Architectural Metal Systems' Marquis Series Premium (Kynar 500®) Finish. An embossed finish is available as an option. Architectural Metal Systems' Painted Long Life available in Reflective White only. Architectural III 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 III 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 III 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 Systems' manuals and building erection drawings, and should be by a qualified installer using proper

tools and equipment. Roofing systems are installed by Architectural Metal Systems' Preferred Roofing Contractors.

## 5. AVAILABILITY

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

## 6. WARRANTY

Thirty-five year paint finish warranties are available.

## 7. MAINTENANCE

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

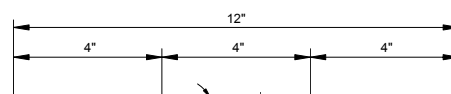
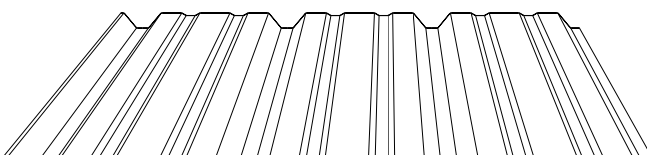
## 8. TECHNICAL SERVICES

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

## 9. 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](http://www.ametalsystems.com), which supercede and replace any previously published standard specifications of Architectural Metal Systems.

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Engineering Properties of AMS' Architectural III Panel									
Designated Gage of Steel	Base Metal Thickness (Inches)	Total Thickness (Inches)	Panel Weight (lbs./ft. <sup>2</sup> )	Top In Compression		Bottom In Compression		Fy/1.67 (ksi)	
				Ix (In <sup>4</sup> /ft.)	Sx (In <sup>3</sup> /ft.)	Ix (In <sup>4</sup> /ft.)	Sx (In <sup>3</sup> /ft.)		
29 Gage	0.0137	0.0146	0.71	0.026	0.036	0.030	0.025	36	
26 Gage	0.0177	0.0184	0.90	0.036	0.047	0.043	0.039	36	
24 Gage	0.0225	0.0230	1.12	0.048	0.060	0.060	0.054	36	
22 Gage	0.0300	0.0301	1.47	0.070	0.082	0.083	0.084	30	
Designated Gage of Steel	Number of Spans	Maximum Total Uniform Load in PSF							
		L = 3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	6'-0"	7'-0"	7'-6"
29 Gage	1	95 / -67	70 / -50	53 / -38	38 / -30	28 / -24	16 / -17	10 / -11	8 / -9
	2	67 / -95	50 / -70	38 / -53	30 / -42	24 / -34	17 / -24	12 / -17	11 / -15
	3	84 / -119	62 / -87	47 / -67	37 / -53	30 / -43	21 / -30	15 / -22	13 / -18
	4	79 / -111	58 / -81	44 / -62	35 / -49	28 / -40	20 / -28	14 / -20	13 / -18
26 Gage	1	124 / -105	91 / -77	70 / -59	51 / -47	37 / -38	22 / -26	14 / -16	11 / -13
	2	105 / -124	77 / -91	59 / -70	47 / -55	38 / -45	26 / -31	19 / -23	17 / -20
	3	131 / -156	96 / -114	74 / -88	58 / -69	47 / -56	33 / -39	24 / -29	21 / -25
	4	122 / -145	90 / -107	69 / -82	54 / -65	44 / -52	31 / -36	22 / -27	20 / -23
24 Gage	1	160 / -145	118 / -107	90 / -82	69 / -65	50 / -52	29 / -36	18 / -23	15 / -19
	2	145 / -160	107 / -118	82 / -90	65 / -71	52 / -58	36 / -40	27 / -29	23 / -26
	3	181 / -200	133 / -147	102 / -113	81 / -89	65 / -72	45 / -50	33 / -37	28 / -32
	4	169 / -187	124 / -137	95 / -105	75 / -83	61 / -67	42 / -47	31 / -34	27 / -30
22 Gage	1	182 / -188	134 / -138	102 / -106	81 / -83	65 / -68	42 / -47	27 / -32	22 / -26
	2	188 / -182	138 / -134	106 / -102	83 / -81	68 / -65	47 / -45	34 / -33	30 / -29
	3	235 / -227	172 / -167	132 / -128	104 / -101	84 / -82	59 / -57	43 / -42	38 / -36
	4	219 / -212	161 / -156	123 / -119	97 / -94	79 / -76	55 / -53	40 / -39	35 / -34

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.