



SHADOW PANEL PANEL SPECIFICATIONS

1. PRODUCT NAME

AMS Shadow Panel for wall applications.

equipment. Systems are installed by Architectural Metal Systems Preferred Roofing Contractors.

2. MANUFACTURER

ARCHITECTURAL METAL SYSTEMS

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

6. AVAILABILITY

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

3. PRODUCT DESCRIPTION

These 16" net width embossed panels have deep-fluted profiles that accent contrasting shadow patterns. Panels are 3" deep and are fastened to the framework from the inside leaving no exposed fasteners.

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

Materials: Shadow Panels are embossed 24 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.

Shadow Panels are fastened to the supporting members from the inside, totally concealing the fasteners. Fasteners are carbon steel, with yellow chromate over zinc plate finish, No. 12 x 1" self-drilling hex head screws with special 1/2" x 1" rectangular locking nuts.

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

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4. TECHNICAL DATA

This 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.

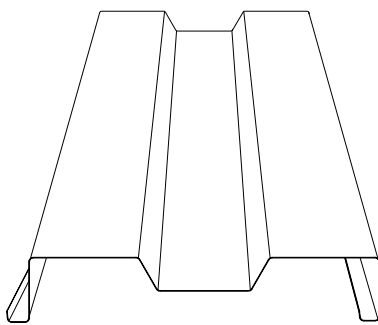
10. PRODUCT NOTES

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.

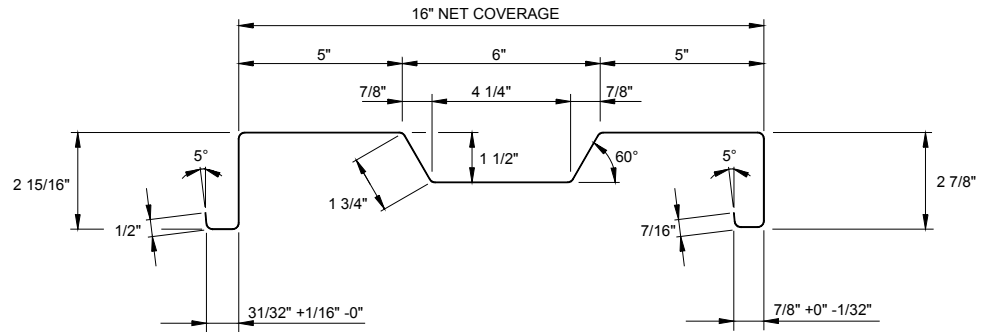
5. INSTALLATION

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

continued...on back



PANEL PROFILE



CROSS SECTION

Engineering Properties of AMS' Shadow Panel								
Designated Gage Of Steel	Base Metal Thickness (Inches)	Total Thickness (Inches)	Panel Weight (lbs./ft. ²)	Top In Compression		Bottom In Compression		Fy/1.67 (ksi)
				Ix (In ⁴ /ft.)	Sx (In ³ /ft.)	Ix (In ⁴ /ft.)	Sx (In ³ /ft.)	
24 Gage	0.0225	0.0230	1.50	0.282	0.162	0.374	0.162	30
Designated Gage Of Steel	Number of Spans	Maximum Total Uniform Load in PSF						
		L = 5'-0"	6'-0"	8'-0"	9'-0"	10'-0"	12'-0"	14'-0"
24 Gage	1	130 / -130	90 / -90	51 / -51	40 / -40	32 / -32	21 / -23	13 / -17
	2	130 / -130	90 / -90	51 / -51	40 / -40	32 / -32	23 / -23	17 / -17
	3	162 / -162	113 / -113	63 / -63	50 / -50	41 / -41	28 / -28	21 / -21
	4	151 / -151	105 / -105	59 / -59	47 / -47	38 / -38	26 / -26	19 / -19

1. Section properties have been calculated in accordance with the *AISI specifications for the Design of Cold-Formed Steel Structural Members, 1996 Edition, including Supplement No. 1 (1999)*
2. Minimum yield strength of steel is 50,000 psi.
3. Steel panels are either aluminum-zinc alloy or G-90 coated. The base metal thickness shown is 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.