MULTI-RIB PANEL
PANEL SPECIFICATIONS

1. PRODUCT NAME

AMS Multi-Rib panels for liner applications.

2. MANUFACTURER

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

3. PRODUCT DESCRIPTION

These panels have ¾" ribs with major corrugations on 6" centers. They offer 36" width coverage.
***Basic Use*:** A ribbed liner panel system for new or retrofit construction.
Materials: Multi-Rib liner panels are available in 29, 26 or 24 gage 80,000 psi (22 gage is 50,000 psi) either G90 zinc-coated (galvanized) or AZ50 aluminum-zinc alloy-coated or 26 gage perforated steel. Pre-painted panels have Architectural Metal Systems, Painted Long Life available in Reflective White only.
Multi-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 normally color coordinated with a premium coating system that protects against corrosion and weathering. Multi-Rib sidelaps are stitched with self-drilling carbon steel screws, No. 14 x 7/8" cadmium or zinc plated.

4. TECHNICAL DATA

The Multi-Rib panel has received a Class 90 Wind Uplift rating by Underwriters Laboratories when tested in accordance with test procedure UL 580. 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. 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

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

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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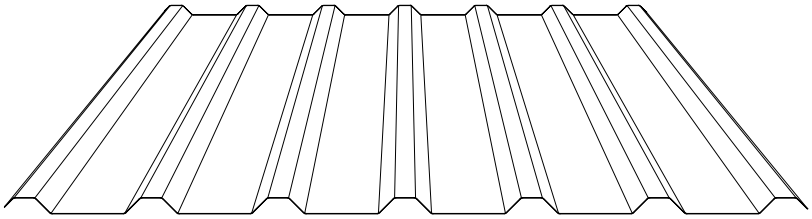
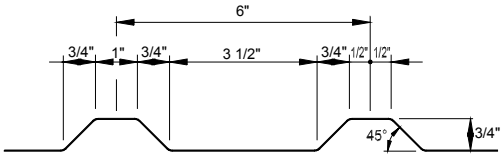


PANEL PROFILE



PARTIAL CROSS SECTION

Engineering Properties of AMS' Multi-Rib 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.)	
29 Gage	0.0137	0.0146	0.71	0.016	0.026	0.011	0.024	36
26 Gage	0.0177	0.0184	0.90	0.022	0.038	0.015	0.034	36
24 Gage	0.0225	0.0230	1.12	0.029	0.053	0.021	0.048	36
22 Gage	0.0300	0.0301	1.47	0.040	0.076	0.033	0.070	30

Designated Gage of Steel	Number of Spans	Maximum Total Uniform Load in PSF						
		L = 2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
29 Gage	1	156 / -140	100 / -72	61 / -41	38 / -26	26 / -17	18 / -12	13 / -9
	2	140 / -156	91 / -100	63 / -69	46 / -51	36 / -39	28 / -30	23 / -22
	3	178 / -195	114 / -124	79 / -78	58 / -49	44 / -33	35 / -23	25 / -17
	4	166 / -182	106 / -116	74 / -81	54 / -52	41 / -35	33 / -25	26 / -18
26 Gage	1	229 / -197	147 / -101	85 / -58	54 / -37	36 / -25	25 / -17	18 / -13
	2	204 / -229	131 / -147	91 / -102	67 / -75	51 / -57	40 / -42	33 / -30
	3	255 / -287	163 / -183	113 / -110	83 / -69	64 / -46	48 / -33	35 / -24
	4	238 / -268	153 / -171	106 / -117	78 / -74	60 / -49	47 / -35	37 / -25
24 Gage	1	315 / -275	197 / -141	114 / -82	72 / -51	48 / -34	34 / -24	25 / -18
	2	290 / -315	186 / -202	129 / -140	95 / -103	73 / -79	57 / -58	46 / -42
	3	363 / -394	232 / -252	161 / -154	118 / -97	91 / -65	64 / -46	46 / -33
	4	338 / -368	217 / -235	150 / -163	111 / -103	85 / -69	67 / -48	49 / -35
22 Gage	1	382 / -352	244 / -224	155 / -129	98 / -82	66 / -55	46 / -38	34 / -28
	2	352 / -382	225 / -244	156 / -170	115 / 125	88 / -95	69 / -75	56 / -61
	3	440 / -477	281 / -305	195 / -212	144 / -124	110 / -103	87 / -72	63 / -53
	4	410 / -445	263 / -285	182 / -198	134 / -145	103 / -109	81 / -77	66 / -56

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/150 deflection or the allowable bending moment with no stress increase.