



**McElroy Metal**

**MEDALLION SERIES**  
**METAL ROOFING SYSTEMS**



MEDALLION SERIES

# THE MEDALLION SERIES...



## Medallion-Lok

McElroy's Medallion-Lok is a structural standing seam system that combines architectural styling with structural performance. Medallion-Lok's attractive profile and load-handling capabilities make it equally well-suited for commercial, industrial or residential roofing applications.

### MEDALLION-LOK SECTION PROPERTIES

Medallion-Lok Section Properties									
				Top in compression			Bottom in compression		
Width	Ga.	Fy	Weight	Ix	Se	Ma	Ix	Se	Ma
12	24	50	1.42	0.1079	0.0740	2.2160	0.0525	0.0636	1.6620
12	22	50	1.85	0.1511	0.1052	3.1490	0.0759	0.0967	2.2920
16	24	50	1.3	0.0860	0.0561	1.6800	0.0400	0.0479	1.2480
16	22	50	1.69	0.1200	0.0803	2.4050	0.0570	0.0729	1.7220
18	24	50	1.27	0.0770	0.0501	1.4990	0.0350	0.0426	1.1100
18	22	50	1.64	0.1090	0.0718	2.1490	0.0510	0.0649	1.5310

#### NOTE:

1. Section properties are calculated in accordance with 2004 AISI North American Specifications for the Design of Cold-Formed Steel Structural Members.
2. Ix is for deflection determination.
3. Se is for bending.
4. Ma is the allowable bending moment.
5. All values are for one foot of panel width.

### MEDALLION-LOK LOAD TABLE

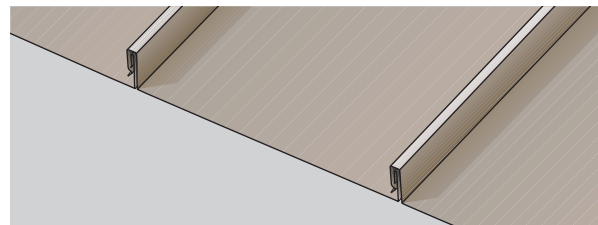
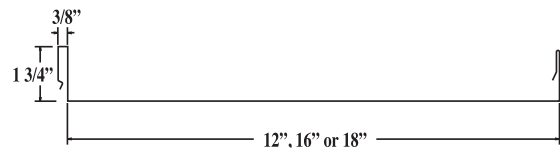
Allowable loads											
		Live Load					Deflection				
Width	Ga.	3'	3.5'	4'	4.5'	5'	3	3.5	4	4.5	5
12	24	120	88	68	54	43	349	219	147	103	75
12	22	166	123	94	74	60	489	308	206	144	105
16	24	90	66	51	40	32	278	175	117	82	60
16	22	125	92	71	56	45	388	244	163	115	83
18	24	80	59	45	36	29	249	156	105	73	53
18	22	111	82	63	50	40	352	222	148	104	76

#### NOTE:

1. Allowable uniform loads are based upon equal span lengths.
2. Positive Wind is wind pressure and is NOT increased by 33 1/3%.
3. Live is the allowable live or snow load.
4. Deflection (L/180) is the allowable load that limits the panel's deflection to L/180 while under positive or live load.
5. The weight of the panel has NOT been deducted from the allowable loads.
6. Positive wind and Live load values are limited to combined shear and bending using Eq. C3.3.1-1 of the AISI Specification.
9. Positive Wind and Live Load values are limited by web crippling using a bearing length of 2".
10. Web crippling values are determined using a ratio of the uniform load actually supported by the top flanges of the section.



## MEDALLION LOK



### PANEL OPTIONS

- Panel Width: 12", 16" & 18"
- Seam Height: 1 3/4"
- Pan Configurations: Striated, Ribbed, Flat Pan
- Substrate: Galvalume
- Gauge: 22 and 24 Gauge Steel

### DETAILS

- Factory applied sealant placed in seams
- Coating: Kynar 500®
- 3:12 Minimum Slope
- For use over open framing or solid decking

### TESTING DATA

Class A - Fire Rating  
 UL580 Class 90 - Uplift Test  
 ASTM 1592 - Uplift Test  
 ASTM E1680 - Air Infiltration  
 ASTM E1646 - Water Infiltration  
 UL 2218 - Class 4 Impact Resistance  
 Florida State Approved  
 Miami Dade Approval (NOA#08-0225.03)

# BEAUTY & FUNCTIONALITY...



## Medallion I and II

The striking profile of McElroy's Medallion I and II Architectural Roof Systems bring out the best in any building project. The distinctive appearance of the Medallion I and II Systems make them ideal for roofing, as well as a variety of mansard or fascia applications. Medallion I and II Systems are designed for quick installation over decking, utilizing metal clips.

### DETAILS

- Must be installed over solid decking
- Two styles available:
  - Medallion I: narrow batten cap
  - Medallion II: wide batten cap
- Coating: Kynar 500®
- 3:12 Minimum Slope

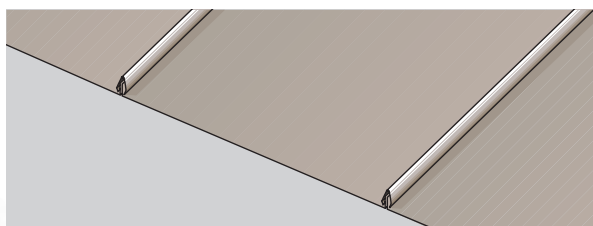
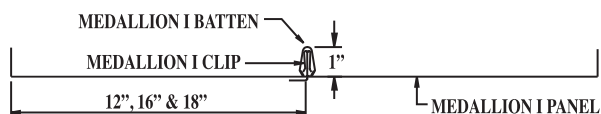
### PANEL OPTIONS

- Panel Width:
  - 12", 16" & 18"
- Panel Configurations:
  - Striated, Ribbed or Flat Pan
- Substrate: Galvalume
- Gauge: 24 Gauge Steel

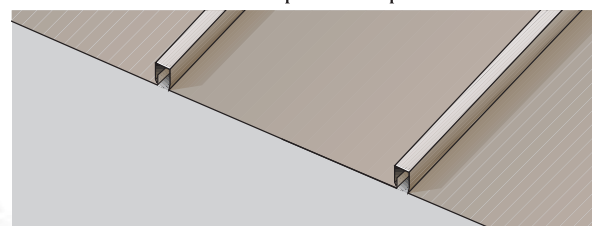
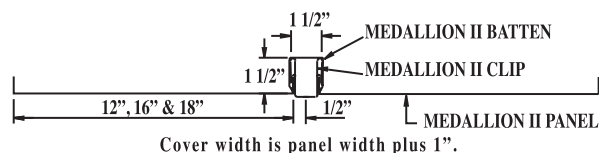
### TESTING DATA

- Class A - Fire Rating
- UL580 Class 90 - Uplift Test
- ASTM E1680 - Air Infiltration
- ASTM E1646 - Water Infiltration
- UL 2218 - Class 4 Impact Resistance
- Florida State Approved

## MEDALLION I



## MEDALLION II



# PERFORMANCE & STYLE

## Curved Medallion I Roofing System

### Curved metal roofing adds style and beauty to any project.

For years, standing seam roofing has been recognized as an excellent choice for long lasting and beautiful roofs. Today, the beauty of metal roofing is accentuated with curves as architects and designers recognize curved metal roofing as a way to enhance the aesthetic appeal of any commercial or residential project.



### Curved Panels by McElroy Metal.

McElroy Metal's popular Medallion I standing seam system, featuring roofing panels and snap-on battens, is now available curved. The end result is a great looking metal roof that is easy to install.

#### MEDALLION I CURVING SPECIFICATIONS

- Panel width: 12", 16", and 18"
- Minimum radius: 30'
- Maximum panel length: 40'
- Substrates: 24 gauge Galvalume Steel
- Coating: Kynar 500®
- Curving Equipment Rental: Contact your McElroy representative for rental information.

#### MEDALLION I CURVED PANEL CONFIGURATIONS



\* Oil canning is a natural occurrence in metal panels and is not a cause for panel rejection.



**McElroy Metal, Inc.**

*Trusted by professionals throughout America*

#### CORPORATE OFFICE

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