



# MAXIMA





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## Standing Seam Roof System



### UNPARALLELED PERFORMANCE

McElroy Metal's family of vertical leg standing seam systems offers specifiers and contractors two distinct products:

#### MAXIMA and MAXIMA ADV

With unprecedented versatility and design flexibility, McElroy Metal's Maxima systems are an ideal choice for any project requiring a blend of strength, aesthetics, and variety of options including:

- 1.5", 2", and 3" Tall Seams
- Widths from 12" - 24"
- 90° and 180° Seaming Options
- Available Flat or Curved
- Panel Configurations Composed of Striated, Ribbed or Flat Pan.

### MECHANICALLY SEAMED

Utilizing electric seamers, McElroy's Maxima standing seam roofing products are mechanically seamed on the jobsite. The end result is an aesthetically pleasing roof system with excellent load and wind resistance capabilities. To rent a seamer to install Maxima panel systems, please visit:

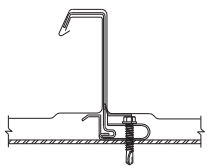
[www.mcelroyseamers.com](http://www.mcelroyseamers.com)



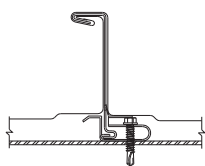
MECHANICAL SEAMER

### Seaming Details

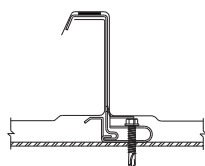
MAXIMA BEFORE SEAMING



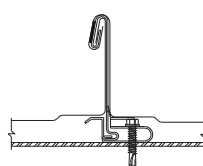
MAXIMA 90° FOLD



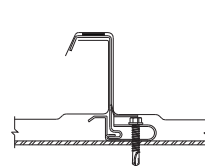
MAXIMA ADV BEFORE SEAMING



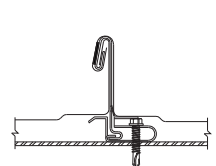
MAXIMA ADV 180° FOLD



MAXIMA 1.5 BEFORE SEAMING



MAXIMA 1.5 180° FOLD



### MAXIMA CURVED

For enhanced architectural styling, Maxima ADV and Maxima 1.5 panels are also available curved. To improve accuracy and customer satisfaction, Maxima curved panels are fabricated to the required radius on the job site by a McElroy Metal factory representative. Modified Maxima seamers are required for curved panels.

Sealant is field applied on curved applications.



#### MAXIMA ADV - For Curved Applications

- Panel Height/Width: 2:12, 2:16, 2:18.
- Minimum Radius: 25' for 22/24 GA. Steel
- 180 ° Seam Required

#### MAXIMA 1.5" - For Curved Applications

- Panel Height/Width: 1.5:12, 1.5:16, 1.5:18.
- Minimum Radius: 12' for 22/24 GA. Steel
- 180 ° Seam Required

### PANEL OPTIONS

MAXIMA PROFILES	WIDTH	PAN CONDITIONS			FACTORY NOTCHING		SEAM				
	WIDTH IN INCHES	STRIATED	SINGLE PENCIL RIB MINOR RIBS	DOUBLE PENCIL RIB	FLAT PAN	CURVED	LAP	EAVE	NONE	90 DEGREE SEAM	180 DEGREE SEAM
MAXIMA 1.5" SHOWN AS STRIATED	12	■	■	■	■	■	■	■	■	■	■
MAXIMA 1.5" SHOWN AS STRIATED	16, 18	■	■	■	■	■	■	■	■	■	■
MAXIMA 2" SHOWN AS FLAT PAN (OPT.) (SINGLE PENCIL RIB AVAILABLE IN 12" ONLY)	12	■	■	■	■	■	■	■	■	■	■
MAXIMA 2" SHOWN AS BEAD (PENCIL) RIB (OPT.)	16, 18	■	■	■	■	■	■	■	■	■	■
MAXIMA ADV 2" SHOWN AS STRIATED	12	■	■	■	■	■	■	■	■	■	■
MAXIMA ADV 2" SHOWN AS STRIATED	16, 18	■	■	■	■	■	■	■	■	■	■
MAXIMA 3" SHOWN AS MINOR RIB (STD.) (18" PANEL ONLY AVAILABLE WITH ONE MINOR RIB)	18, 24	■	■	■	■	■	■	■	■	■	■

Note: Maxima 2" and 3" panels feature a return leg on both the male and female seams. These return legs help create greater strength and uplift capabilities. Maxima 1.5" and ADV do not have the return legs, which enables the panels to be curved as well as seamed to 180 degrees. Maxima ADV is also available without shoulders.

### FACTORY NOTCHING

For enhanced aesthetics and improved installation efficiency, Maxima panels are available with factory fabricated notching. Notching enables installers to bend the panel ends and eliminate unsightly fasteners along the building eave. And, factory notching eliminates the need for cumbersome and error-prone hand-notching on the job site. Lap notching also available.





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### MAXIMA DETAILS:

- Mechanically Seamed Profile
- Factory Applied Sealant (on Non-Curved Panels Only)
- Coating : Kynar 500®
- 1:12 Minimum slope for 1.5"
- 1/2:12 Minimum slope for 2"
- 1/4:12 Minimum slope for 3"
- Can be installed over solid deck or open framing
- Maxima 2" and ADV also available jobsite formed for longer lengths
- Patented clip provides 3 1/8" of roof panel thermal movement

### MAXIMA TESTING DATA :

- Class A - Fire Rating
- UL 580 Class 90 - Uplift Test
- FM 4471 (1-90 Rated) - Uplift Test (2" Only)
- ASTM E1592 - Uplift Test (1.5" (16" only), 2", and 3")
- ASTM E 1680 - Air Infiltration (2" & 3")
- ASTM E1646 - Water Infiltration (2" & 3")
- UL 2218 - Class 4 Impact Resistance
- Florida State Approval: 1747.3 (2" & 3"), 1832.4 (2" & 3")
- UL 263 Fire Resistance (2" & 3")
- Miami-Dade Approved (216 Only) NOA 11-1228.02 & 12-0831.02
- All Testing Conducted with Galvalume® Substrate

### MAXIMA ADV & 1.5" TESTING DATA:

- Class A - Fire Rating
- ASTM E1592
- UL 580 Class 90 - Uplift Test
- Florida State Approval: 1747.4 (ADV) 8051.2 (1.5")
- ASTM E1680 - Air Infiltration
- ASTM E1646 - Water Infiltration
- UL 2218 Class 4 Impact Resistance
- UL 263 Fire Resistance
- All Testing Conducted with Galvalume® Substrate

Panel	Seam Height	Panel Width	Seam Bend	Radius Capability	ASTM E1646	ASTM E1680	ASTM E1592	UL 580 Class 90	FM	Surface Options	Steel Substrate	Aluminum Substrate
Maxima 2:12	2"	12"	90°	No	√	√		√	√	Striated, Bead, Flat Pan	22, 24, Ga.	.032
Maxima 2:16	2"	16"	90°	No	√	√	√	√	√	Striated, Bead, Flat Pan	22, 24, Ga.	.032
Maxima 2:18	2"	18"	90°	No	√	√	√	√	√	Striated, Bead, Flat Pan	22, 24, Ga.	.032
Maxima 3:18	3"	18"	90°	No	√	√	√	√	√	Minor Ribbed	22, 24, Ga.	.032
Maxima 3:24	3"	24"	90°	No	√	√	√	√		Minor Ribbed	22, 24, Ga.	.032
Maxima ADV 2:16	2"	16"	180°	25' Min. for Steel 20' Min. for Alum.	√	√	√	√		Striated, Bead, Flat Pan	22, 24, Ga.	.032
Maxima ADV 2:18	2"	18"	180°	25' Min. for Steel 20' Min. for Alum.	√	√	√	√		Striated, Bead, Flat Pan	22, 24, Ga.	.032
Maxima 1.5	1.5"	16"	180°	12' Min. for Steel 10' Min. for Alum.	√	√	√	√		Striated, Flat Pan	22, 24, Ga.	.032

Note: Oil canning is a natural occurrence in metal panels and is not a cause for panel rejection. Striated surface recommended to reduce appearance of oil canning.



For more information:  
**800-562-3576**

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