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**
• **90° and 180° Seaming Options**
• **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

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**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**

**Quality . . . Service . . . Performance**
**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.
- 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

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**Panel Options**

<table>
<thead>
<tr>
<th>Width (Inches)</th>
<th>Single Pencil Rib</th>
<th>Double Pencil Rib</th>
<th>Flat Pan Rib</th>
<th>Curved</th>
<th>Eave</th>
<th>Half</th>
<th>15 Degree Seam</th>
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<td></td>
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<tr>
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</table>

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.

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**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.

![Eave Notch](image)

![Eave Notch Folded](image)
**Standing Seam Roof System**

**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

<table>
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<th>Seam Height</th>
<th>Panel Width</th>
<th>Seam Bend</th>
<th>Radius Capability</th>
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<th>FM</th>
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<th>Aluminum Substrate</th>
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<td>22, 24, Ga.</td>
<td>.032</td>
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</table>

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.