

Catalog 2016

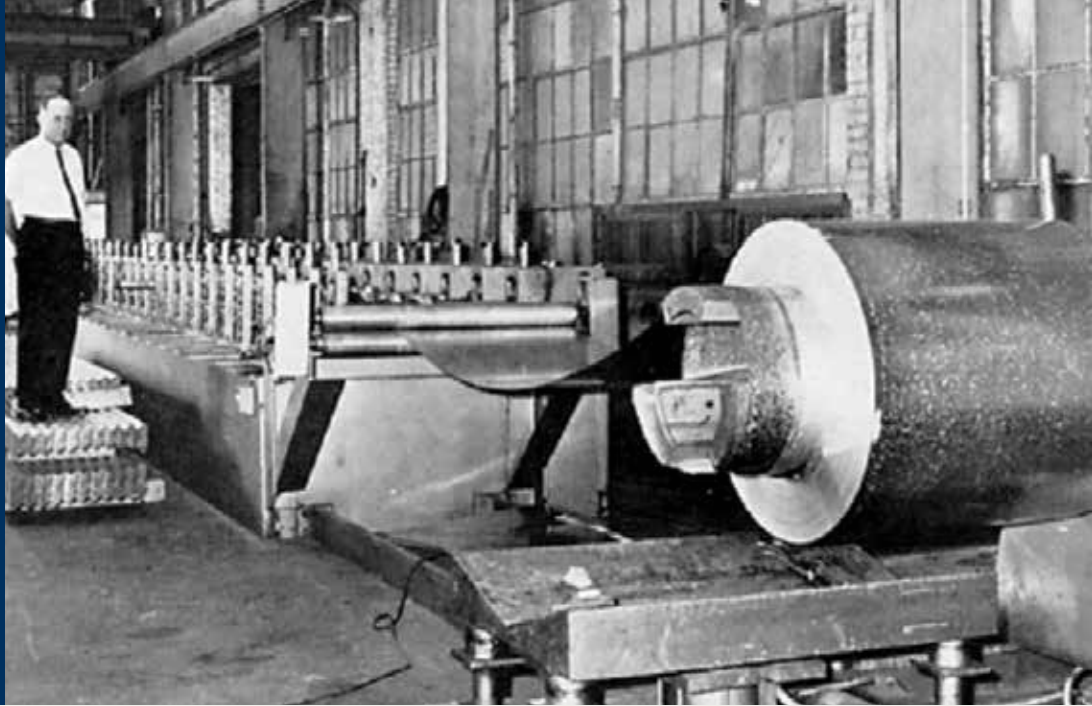


# Metal Roof & Wall Systems





Table Of Contents



Thomas E. McElroy Sr. (Mr. Mac) in 1963 posing with the company’s first rollformer.



From humble beginnings in 1963, McElroy Metal has grown into a national company with 12 manufacturing and 20 Service Center locations across the United States. McElroy Metal is a third generation family-owned business with a strong culture of values that extends to customers, employees, and vendors.

Contents

McElroy Information & Resources	inside front cover
Location Map	1
Standing Seam Systems	
Maxima	Roof 2-3
138T & 238T Panel	Roof 4-5
138T & 238T Recover	Roof 7
Medallion-Lok	Roof 9
Meridian	Roof 11
Instaloc	Roof 11
Medallion I	Roof 13
Medallion II	Roof 13
Mirage	Roof 14
Mirage II	Roof 14
MasterLok-90	Roof 15
MasterLok-FS	Roof 15
Soffit / Fascia & Canopy	
FW Series	Soffit 16
MCP	Canopy 16
Matrix	Soffit 17
Marquee-Lok	Soffit/Fascia/Wall 17
Marquee II	Soffit/Fascia/Wall 17
Concealed Fastener Panels	
Wave	Wall 19
MSR	Wall 19
Exposed Fastener	
Mega-Rib	Roof & Wall 21
Multi-Cor & M-Cor	Roof & Wall 21
Max-Rib	Roof & Wall 23
Mesa	Roof & Wall 23
5V-Crimp	Roof & Wall 23
U-Panel	Roof & Wall 23
R-Panel	Roof & Wall 25
Multi-Rib	Roof & Wall 25
Mini-Rib	Wall, Fascia, Liner 25
Multi-V	Wall 25
Specialty Panels	
Met-Tile	27
Milan	27
Retrofit Roofing Systems 29	
Solar Solutions 31	
Green Span Profiles	
Insulated Metal Panels	inside back cover
Slit Coil and Flat Sheets	back cover

For the most current information please visit our website at: [www.mcelroymetal.com](http://www.mcelroymetal.com)



M

Manufacturing Facilities

S

Service Centers

MS

Both Manufacturing Facilities & Service Centers

For more information:

phone:  
800.562.3576  
fax:  
318.747.8029  
email:  
[info@mcelroymetal.com](mailto:info@mcelroymetal.com)  
web:  
[www.mcelroymetal.com](http://www.mcelroymetal.com)

Corporate Office:

1500 Hamilton RD.  
Bossier City, LA 71111

- Manufacturing Facility Locations**
- California, **Adelanto**
- Georgia, **Ashburn**
- Georgia, **Peachtree City**
- Illinois, **Clinton**
- Kentucky, **Lewisport**
- Louisiana, **Bossier City**
- Michigan, **Marshall**
- Texas, **Houston**
- Texas, **Merkel**
- Texas, **Sunnyvale**
- Virginia, **Winchester**
- Wisconsin, **Mauston**

- Service Center Locations**
- 8304 Highway 70 E.  
**North Little Rock, AR** 72117  
Phone: 800-950-6539

5300 83rd St.  
**Sacramento, CA** 95826  
Phone: 800-950-8448

409 Lovejoy Road  
**Ft. Walton Beach, FL** 32548  
Phone: 800-950-6026

1365 Dean Forest Rd.  
**Savannah, GA** 31405  
Phone: 800-342-2764

7355 Oakley Industrial Blvd  
**Union City, GA** 30291  
Phone: 855-251-2577

9476 Meadowbrook Rd.  
**Clinton, IL** 61727  
Phone: 877-808-7994

10504 E. 59th Street  
**Indianapolis, IN** 46236  
Phone: 317-823-6895
- 9435 US Highway 60 West  
**Lewisport, KY** 42351  
Phone: 800-844-3724

1500 Hamilton Rd  
**Bossier City, LA** 71111  
Phone: 888-245-3696

5215 Leo Street  
**Alexandria, LA** 71301  
Phone: 888-767-0087

3215 Highway 59  
**Diamond, MO** 64840  
Phone: 417-325-7200

390 N. Valley Dell Dr.  
**Fenton, MO** 63026  
Phone: 888-673-0920

613 N. Bierdeman Rd.  
**Pearl, MS** 39209  
Phone: 601-718-0270

1144 Silstar Road  
**West Columbia, SC** 29170  
Phone: 866-494-5316
- 514 Cave Road  
**Nashville, TN** 37210  
Phone: 855-884-0978

1440 Aldine Bender Road  
**Houston, TX** 77032  
Phone: 855-885-7600

3014 Lincoln Court  
**Garland, TX** 75041  
Phone: 877-742-8675

3052 Yadkin  
**Chesapeake, VA** 23323  
Phone: 888-286-6334

325 McGhee Road  
**Winchester, VA** 22603  
Phone: 800-950-6535

5123 Terminal Drive  
**McFarland, WI** 53558  
Phone: 800-988-0921

Proud member of these leading organizations:



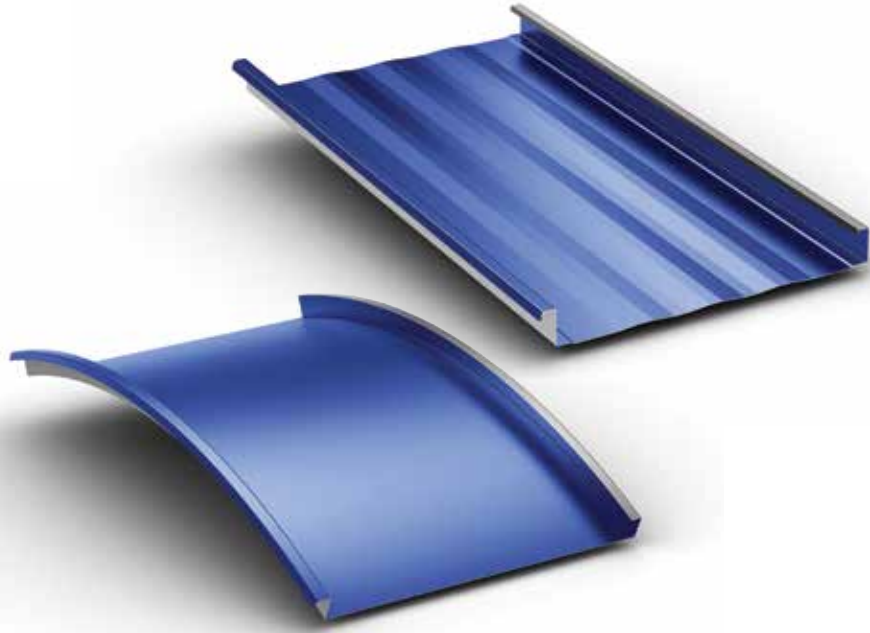
Standing  
Seam  
Systems



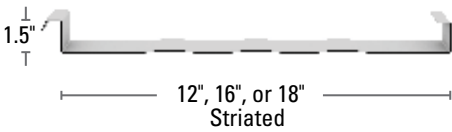
Maxima

Offering strength, durability and aesthetics, vertical leg standing seam systems are the industry’s most popular roofing panel. To meet the varying needs of specifiers and contractors, McElroy Metal's Maxima line represents the industry's broadest selection of vertical leg systems:

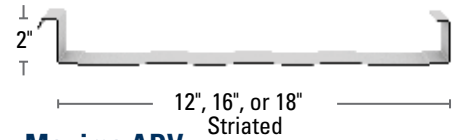
- Seam heights of 1.5", 2" & 3"
- Varying pan widths
- 90° & 180° seams
- Available flat or curved



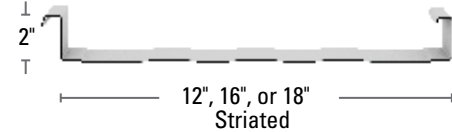
Maxima 1.5"



Maxima 2"

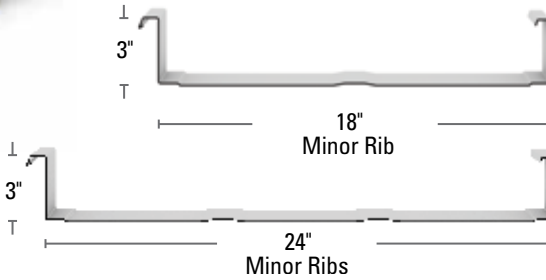


Maxima ADV



**Note:** Maxima ADV also available without shoulders.

Maxima 3"



**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 feature the return legs, which enables the panels to be curved as well as seamed to 180 degrees.

216 Low Floating Clip



Maxima  
Before Seaming



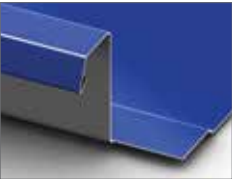
Maxima 90° Fold



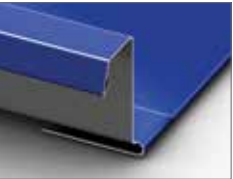
Maxima ADV &  
Maxima 1.5" 180° Fold



Factory Formed  
Eave Notch



Eave Notch  
Folded In Field



**Note:** Patented Floating Clips allow for 3 1/8" of thermal movement

MAXIMA PROFILES

	WIDTH IN INCHES	PAN CONDITIONS						FACTORY NOTCHING			SEAM	
		STRIATED	MINOR RIBS	SINGLE PENCIL RIB	DOUBLE PENCIL RIB	FLAT PAN	CURVED	LAP	EAVE	NONE	90 DEGREE SEAM	180 DEGREE SEAM
MAXIMA PROFILES												
Maxima 1.5"	12	■		■		■	■			■		■
Maxima 1.5"	16, 18	■			■	■	■			■		■
Maxima 2"	12	■		■		■		■	■	■	■	
Maxima 2"	16, 18	■			■	■		■	■	■	■	
Maxima ADV 2"	12	■		■		■	■	■	■	■		■
Maxima ADV 2"	16, 18	■			■	■	■	■	■	■		■
Maxima 3" Minor Rib (Std.) 18" panel only available with one minor rib	18, 24	■	■					■	■	■	■	

### Curving

- Only M  
Maxim
- Minim  
25' for  
12' for
- 180° s
- Sealar  
on curv
- Maxim  
panels  
radius

Curving Details

- Only Maxima 1.5 and Maxima ADV can be curved
- Minimum radius: 25' for 2" ADV 12' for 1.5"
- 180° seam required
- Sealant to be field applied on curved applications
- Maxima ADV and Maxima 1.5 flat panels will curve naturally on a radius of 250 feet or greater

Details

- Mechanically seamed profile
- Factory applied sealant (on non-curved panels only)
- Minimum slope: 1:12 for 1.5"
- Minimum slope: 1/2:12 for 2"
- Minimum slope: 1/4:12 for 3"
- Can be installed over solid deck or open framing
- Maxima 2" and ADV also available jobsite formed for long lengths

Panel Options

- Panel height & width: See panel profile drawings above
- Panel configurations: See chart on left
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®
  - Optional 22 gauge Galvalume
  - .032 and .040 aluminum (Aluminum is produced at the Sunnyvale, TX facility only)

Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 FM 4471 for 2" only (1-90 Rated) ASTM E1592 for 1.5", 2" & 3"
- Air Infiltration: ASTM E1680 (2" & 3")
- Water Infiltration: ASTM E1646 (2" & 3")
- Class 4 Impact Resistance: UL 2218

- Florida State Approval: 1747.3 (2" & 3") 1832.4 (2" & 3")
- Fire Resistance: UL 263 (2" & 3")
- Miami-Dade Approval: (2:16 only) NOA#11-1228.02 and 12-0831.02
- All testing conducted with Galvalume substrate
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)



# Standing Seam Systems

## Jobsite Production Vehicles

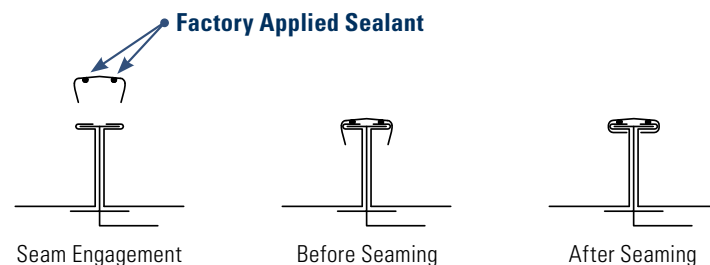
Available for:

- Maxima 2"
- Maxima ADV
- 138T & 238T

## 138T & 238T

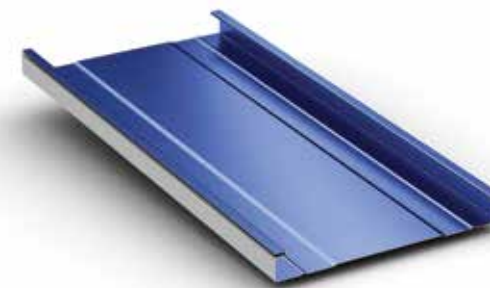
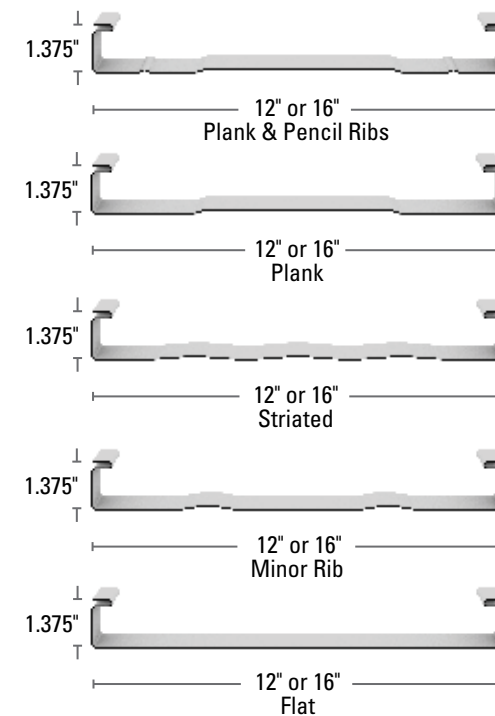
138T & 238T symmetrical standing seam systems offer many advantages over popular asymmetrical panels. 138T and 238T panels do not have male and female seams. Rather, these panels have identical left and right seams. Panels are then joined with a mechanically seamed cap.

- Ease of installation
- Available flat, curved, and tapered
- Individual panel replacement
- Watertight seam design
- Can be jobsite formed for longer lengths
- No laps equals greater watertightness

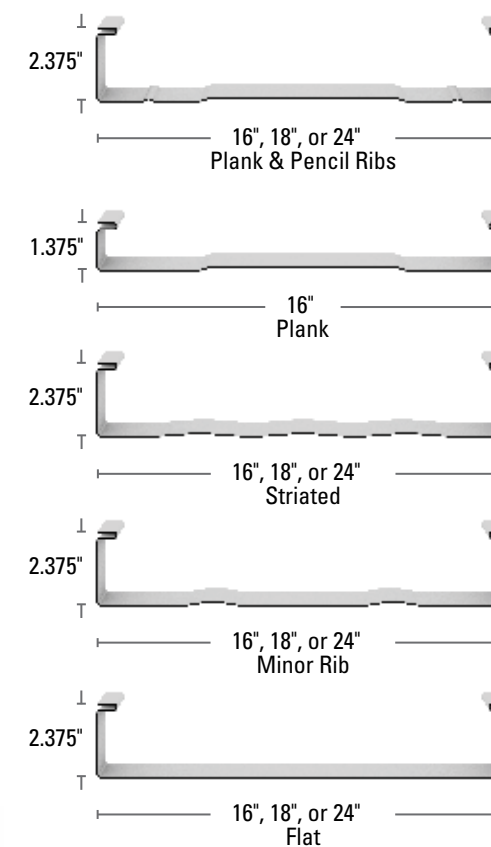


## 138T & 238T Panel

### 138T Panel Options



### 238T Panel Options



138T Clip



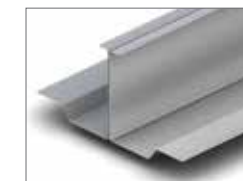
238T Clip



138T and 238T Two Piece Multi-Span Clip (238T Shown)



138T and 238T Two Piece Multi-Span Clip as Installed (238T Shown)



### 138T Details

- Mechanically seamed
- Minimum slope: 2:12
- Must be installed over solid deck

### Panel Options

- 138T panel width: 12" and 16"
- Panel configurations: 138T flat, plank, plank & pencil ribs, striated, minor ribs (plank & pencil ribs recommended)
- Coating: Kynar 500® (PVDF)
- 138T manufacturing: factory, jobsite roll-formed, curved on-site
- Substrate:
  - Standard 24 gauge Galvalume®
  - Optional 22 gauge Galvalume
  - .032 and .040 aluminum

### Testing Data

- Fire Rating: UL Class A
- Uplift Test: UL Class 90, UL 580, ASTM E1592
- Impact Resistance: UL Class 4
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

### 238T Details

- Mechanically seamed
- Minimum slope: 1/2:12
- Can be installed over solid deck or open framing

### Panel Options

- 238T panel width: 16", 18", 24" (24" panel formed on-site only)
- Panel configurations: 238T flat, plank, plank & pencil ribs, striations, minor ribs (plank & pencil ribs recommended)
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®
  - Optional 22 gauge Galvalume
  - .032 and .040 aluminum
- 238T manufacturing: factory, jobsite roll-formed, curved on-site

### Testing Data

- Fire Rating: UL Class A
- Uplift Test: UL Class 90, UL 580, FM 4471, UL 1897, ASTM E1592
- Air & Water Infiltration: ASTM E1680, ASTM E1646
- Impact Resistance: UL Class 4, FM Class 1-SH
- Static Water: FM 4471 Appendix G, ASTM E2140
- Texas Department of Insurance Approval: RC-270 (238T only)
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)



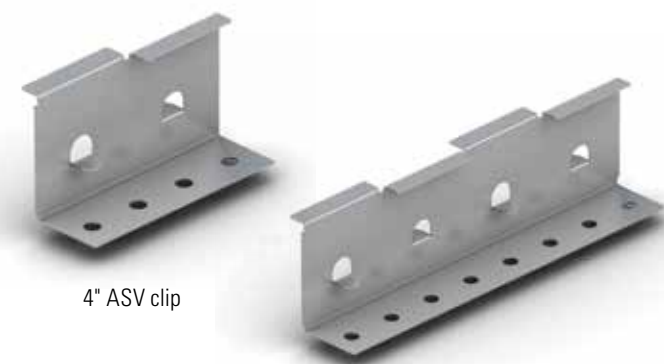
# Standing Seam Recover Systems



## 138T Shingle Recover System

Featuring McElroy's 138T symmetrical standing seam panel, this innovative system installs directly over existing shingles without tear-off or underlayment.

- Ease of installation
- Above sheathing ventilation (ASV) - Utilizing air space to help reduce heat transfer and decrease energy expense)
- No tear off/disposal of existing roof
- No underlayment required
- Individual panel replaceability
- Decades long service life



4" ASV clip

8" shingle recover clip with ASV

**Note:** 4" ASV clip for new construction or remove and replace.



Corrugated sheeting installed at the ridge allows for continuous air flow between the existing and new roof while providing support for the panel and closure. Free flowing air space between a metal roof and shingles can reduce heat transfer.



The key to a proper installation of a standing seam recover over shingles is the patent pending 138T clip which is long enough to sit on two shingles simultaneously.

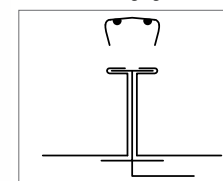
## 238T Metal-Over-Metal System

McElroy Metal's patented 238T frameless metal-over-metal recover solutions provide low cost retrofit solutions over both existing exposed fastened and 3" tall trapezoidal standing seam systems.

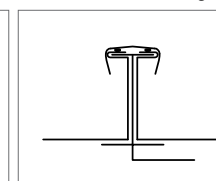
- Two patented frameless recover systems
- Job site production enables eave to ridge panels
- Extremely high wind uplift capacity without additional edge zone or corner framing
- 24" wide panels reduce installation labor
- Individual panel removal and replacement
- Has accompanying patented skylight system
- Decades long service life

### Seaming

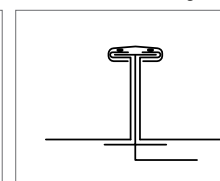
Seam Engagement



Before Seaming



After Seaming



Die-cut foam insulation is placed over the exiting roof panels and the 238T panels are placed on top of the insulation. The 238T panels are then joined together using 238T caps and a mechanical seamer.



Single length panels offer labor savings and improve weathertightness.



McElroy's patented 238T transverse mounted skylight can be installed over existing skylights or can be installed as a continuous light strip all the way to the ridge.

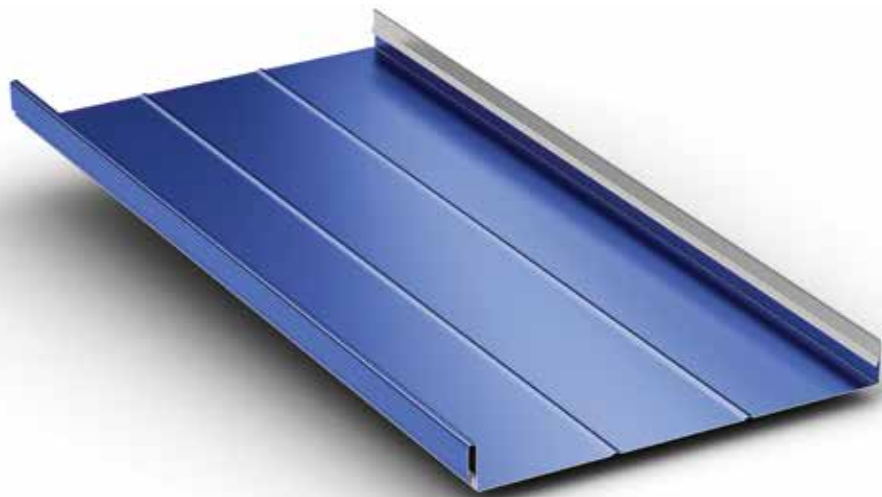


# Standing Seam Systems

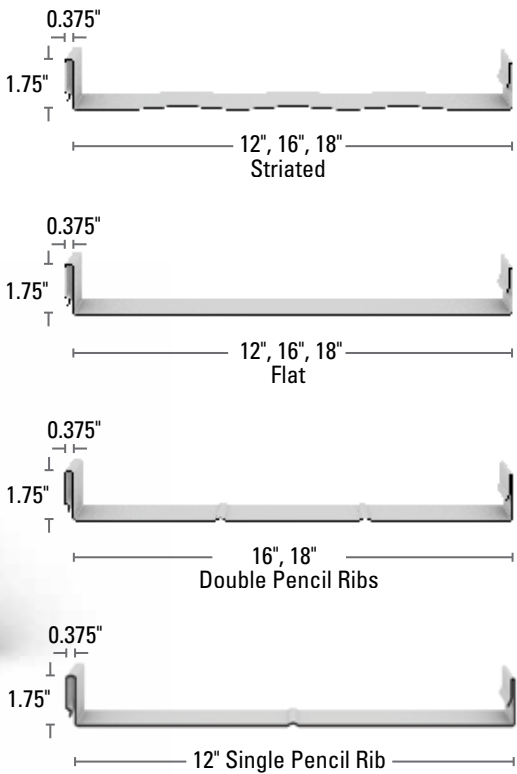


## Medallion-Lok

Medallion-Lok is a snap-together architectural panel with structural capabilities that features a rigid 1.75" standing seam. Medallion-Lok is McElroy Metal's most popular snap-together panel and has been utilized to add beauty and function on projects all across the country.



### Panel Options



**Note:** Striated panels are recommended as they reduce the appearance of oil canning



### Details

- Factory formed eave notch upon request
- Factory applied sealant
- Minimum slope: 3:12
- Can be installed over solid deck or open framing

### Panel Options

- Panel width 12", 16" & 18"
- Panel configurations: striated, ribbed or flat pan (striated recommended)
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®
  - Optional 22 gauge Galvalume
  - .032 and .040 aluminum

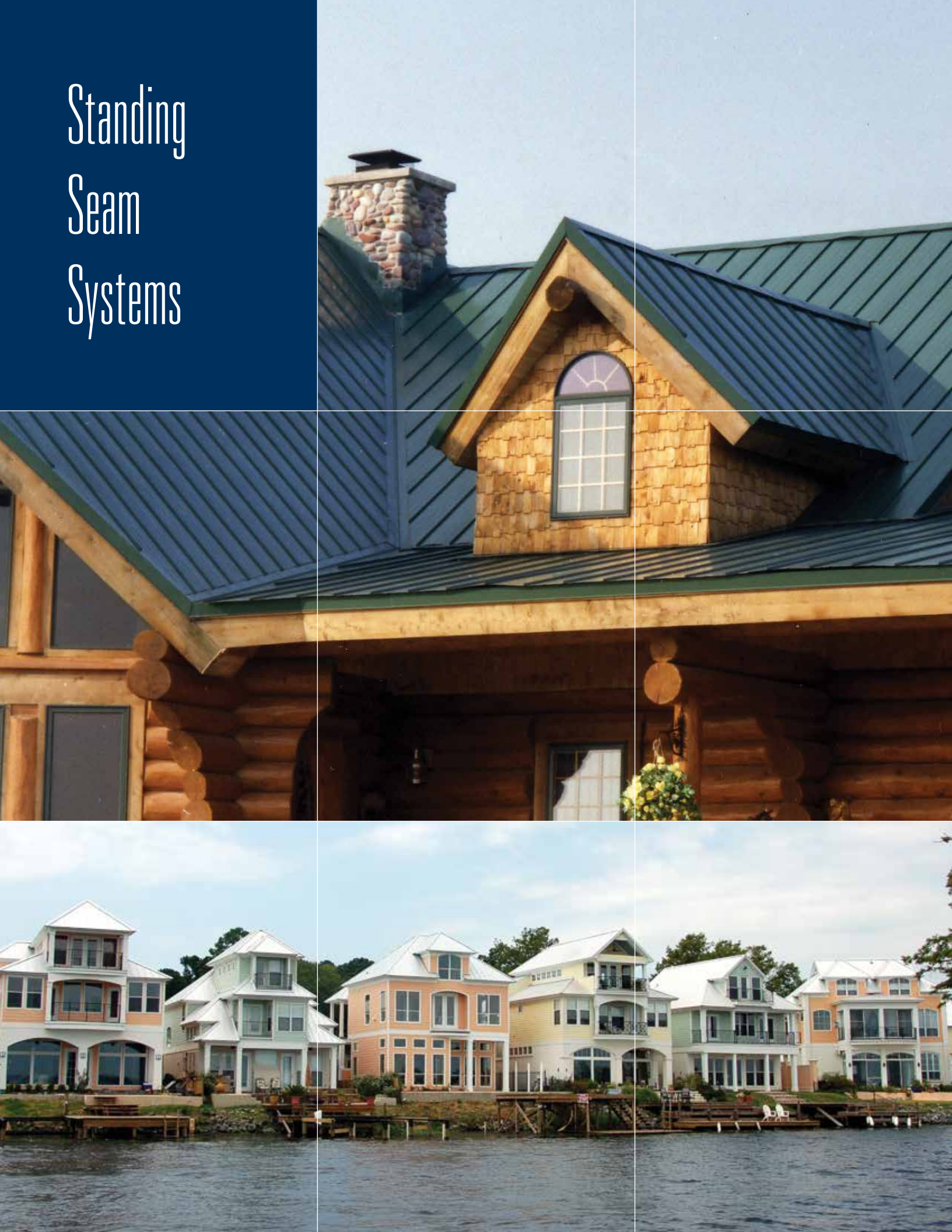
### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 ASTM E1592
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1747.5 and 1832.7
- Fire Resistance: UL 263
- Miami Dade Approval: NOA#13-0430.06
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

Oil canning (pan wave) is a natural occurrence in metal panels and is not a cause for panel rejection.

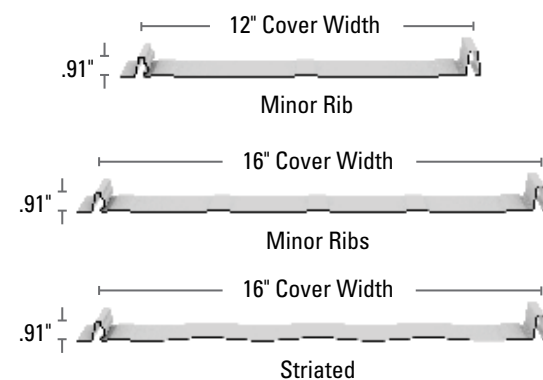


# Standing Seam Systems



## Meridian

Meridian is an economical, snap-together roofing system that is an excellent choice for commercial and residential applications. Panels are simply installed by placing pancake head fasteners in the panel's slotted flange. Meridian is installed over solid deck.



### Details

- Factory formed eave notch upon request
- Minimum slope: 3:12
- Must be installed over solid deck

### Panel Options

- Panel width: 12" and 16"
- Panel configurations: 16" minor ribs or striated 12" minor ribs or striated
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 26 gauge Galvalume® for 16" panels only
  - Standard 24 gauge Galvalume for 12" and 16" panels

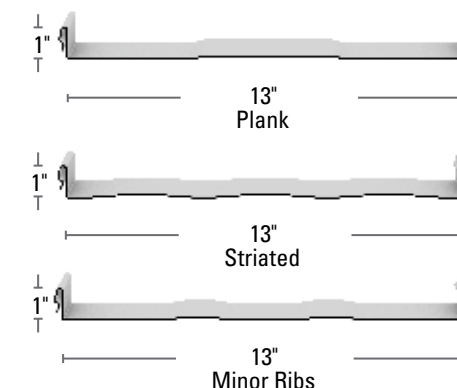
### Testing Data

- Fire Rating: Class A
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Texas Department of Insurance Approval: Evaluation RC-34
- Florida State Approval: 2358.1
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com).

Oil canning (pan wave) is a natural occurrence in metal panels and is not a cause for panel rejection.

## Instaloc

Instaloc is a snap-together standing seam that features a 1" seam and is installed with concealed clips. Instaloc is an excellent selection for applications where greater uplift characteristics are required than achieved with Meridian.



### Details

- Minimum Slope: 3:12
- Must be installed over solid deck
- Factory applied sealant

### Panel Options

- Panel width: 13" standard. Other widths available upon request
- Panel configurations: striated pan, plank and minor rib
- Coating: Kynar 500® (PVDF)
- Substrate: Standard 24 gauge Galvalume

### Testing Data

- Fire Rating: UL Class A
- Uplift Test: UL 580, UL 1897
- Class 4 Impact Resistance: UL 2218
- Texas Department of Insurance Approval: RC-86

Instaloc is produced in Houston, TX

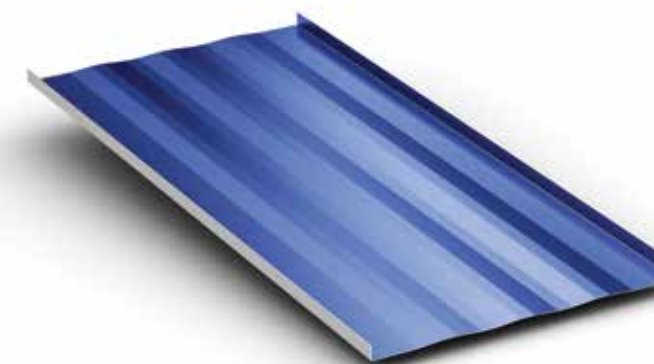
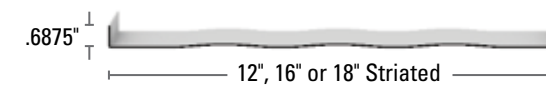


# Standing Seam Systems

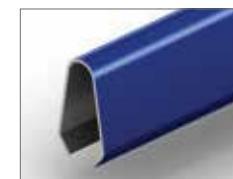


## Medallion I

Medallion I is an architectural standing seam system featuring a narrow batten cap applied over roofing panels and concealed clips. Medallion I is installed over solid deck and can also be curved to meet radius panel specifications.



Medallion I Batten



Medallion I Clip



### Details

- Minimum slope: 3:12
- Must be installed over solid deck

### Curving Details

- Minimum radius: 30"

### Panel Options

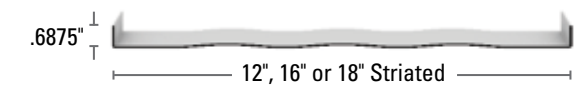
- Panel width: 12", 16" and 18"
- Panel configurations: striated (recommended), ribbed, or flat pan
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®

### Testing Data

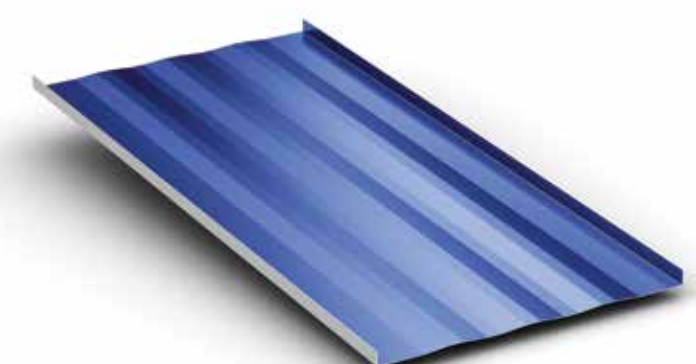
- Fire Rating: Class A
- Uplift Test: UL580 Class 90
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1832.5
- Fire Resistance: UL 263
- All testing conducted with Galvalume substrate
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

## Medallion II

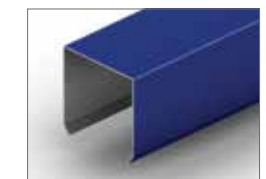
Medallion II is an architectural standing seam system that features a 1 1/2" wide batten cap applied over roofing panels and concealed clips. Medallion II is installed over solid deck.



\*Cover width is pan width plus 1"



Medallion II Batten



Medallion II Clip



### Details

- Minimum slope: 3:12
- Must be installed over solid deck

### Panel Options

- Panel width: 12", 16" and 18"
- Panel configurations: striated (recommended), ribbed, or flat pan
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume

### Testing Data

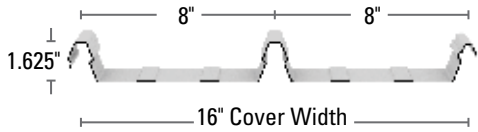
- Fire Rating: Class A
- Uplift Test: UL580 Class 90
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1832.6
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

Oil canning (pan wave) is a natural occurrence in metal panels and is not a cause for panel rejection.



# Mirage

Mirage is a concealed fastener roofing panel with 1 5/8" high ribs spaced 8" on center. Mirage can be installed over solid deck or substructural members.



Mirage Clip



Seam Detail



### Mirage Details

- Minimum slope: 2:12
- Tape sealant is required on seam (side laps) at less than 3:12 slope
- Can be installed over solid deck or open framing

### Panel Options

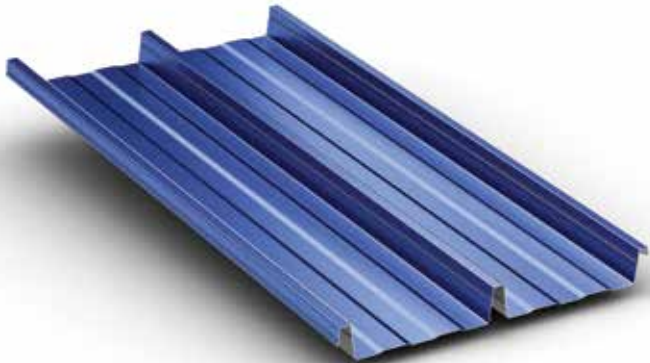
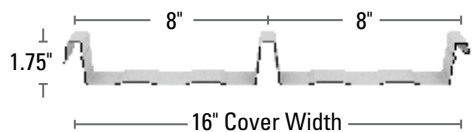
- Panel width: 16"
- Panel configurations: ribbed
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®

### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 ASTM E1592
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1747.7, 1832.9
- Fire Resistance: UL263
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

# Mirage II

Mirage II is a concealed fastener roofing panel with 1 3/4" high ribs spaced 8" on center. Mirage II can be installed over solid deck or substructural members.



Mirage II Clip



Seam Detail



### Mirage II Details

- Minimum slope: 2:12
- Tape sealant is required on seam (side laps) at less than 3:12 slope
- Can be installed over solid deck or open framing

### Panel Options

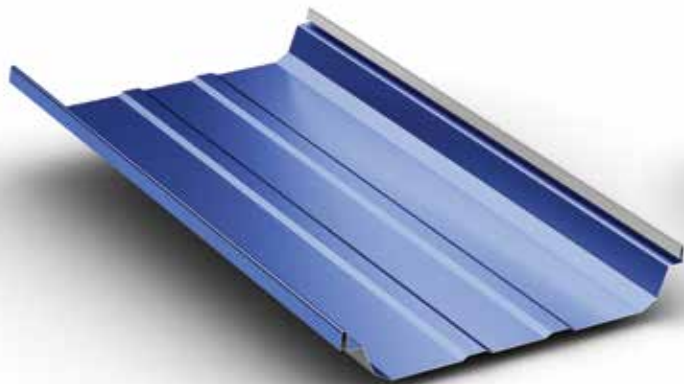
- Panel width: 16"
- Panel configurations: ribbed
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume

### Testing Data

- Fire Rating: UL790 Class A
- Uplift Test: UL580 Class 90
- Impact: UL2218 Class 4

# MasterLok-90

MasterLok-90 is a snap-together trapezoidal standing seam system designed for projects with slopes as low as 1:12. MasterLok-90 is best suited for simple sloped roofs without dormers, hips, valleys or other special conditions. MasterLok-90 is installed over solid deck or substructural members.



ML-90 Low Floating Clip



Seam Detail



Other utility, fixed, and floating clips available

### MasterLok-90 Details

- Factory applied sealant in seam to improve weather-tightness
- Minimum slope: 1:12
- Can be installed over solid deck or metal framing

### Panel Options

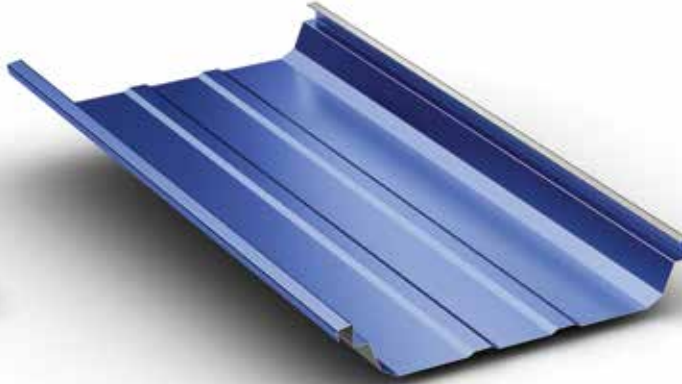
- Panel width: 24"
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®
  - Optional 22 gauge Galvalume
- Also available with Moisture-Lok

### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 ASTM E1592
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1832.2, 1747.1
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

# MasterLok-FS

MasterLok-FS is a mechanically seamed trapezoidal standing seam system designed for projects with slopes as low as 1/4:12. MasterLok-FS is best suited for simple sloped roofs without dormers, hips, valleys or other special conditions and can be installed over solid deck or substructural members.



ML-FS Low Floating Clip



Before Seaming



After Seaming



Other floating clips available

### MasterLok-FS Details

- Mechanically seamed profile
- Factory applied sealant in seam to improve weather-tightness
- Can be installed over solid deck or open framing
- Minimum slope: 1/4:12

### Panel Options

- Panel width: 24"
- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume
  - Optional 22 gauge Galvalume

### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 ASTM E1592
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218
- Florida State Approval 8051.1
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)



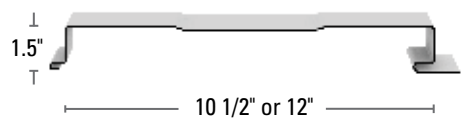
# Soffit, Fascia & Canopy Panel



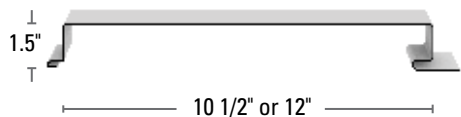
## FW Panel

McElroy Metal's FW Panel features a 1.5" deep flush metal panel designed for usage in vertical applications. Available options include deep vee grooves, reveal 1" to 2 1/2", or a traditional smooth appearance. Regardless of the pattern, the 1.5" depth and the tongue-and-groove engagement remain the same.

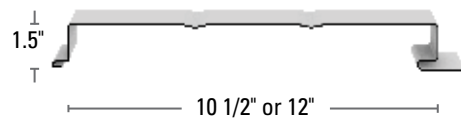
### Inverted Plank Profile



### Flat



### Vee Grooves



#### Details

- Maximum lengths:  
- 24 gauge 4' minimum and 8' maximum  
- 22 gauge 4' minimum and 15' maximum

#### Panel Options

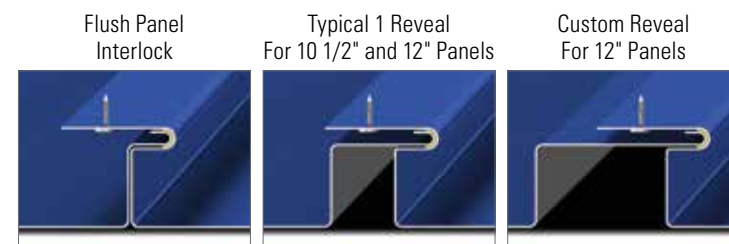
- Panel width: 10 1/2" to 12"
- Panel height: 1 1/2"
- Panel configurations: inverted plank, flat, vee grooves

- Reveal Options:  
- 1" for 10 1/2" panel  
- 1" to 2 1/2" for 12" panel
- Coating: Kynar 500® (PVDF)
- Substrate:  
- Standard 24 gauge Galvalume®  
- Optional 22 gauge Galvalume

#### Testing Data

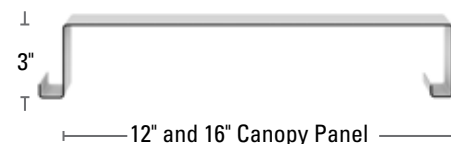
- FW: ASTM E1592
- FW Reveal: No testing

### Reveal Options



## MCP

MCP (McElroy Canopy Panel) is a concealed fastener panel designed to meet the demands of canopy installations. Banks, drive-thru restaurants, convenience stores or any other building type requiring attractive and functional canopy systems are an excellent application for MCP.

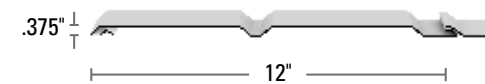


MCP Clip



## Matrix

Matrix soffit system will add an elegant touch to any commercial or residential project. Matrix panels are easy to install. And, to minimize on-site labor, McElroy Metal inventories 11.5" and 23.5" length panels.



#### Details

- Stocked lengths:  
11.5" and 23.5"
- 10% net free area with vented surface

#### Panel Options

- Panel width: only available in 12"
- Panel configurations:  
non-vented or vented
- Coating: Kynar 500® (PVDF)
- Substrate:  
- Standard 29 gauge Galvalume®  
- Optional 24 gauge Galvalume

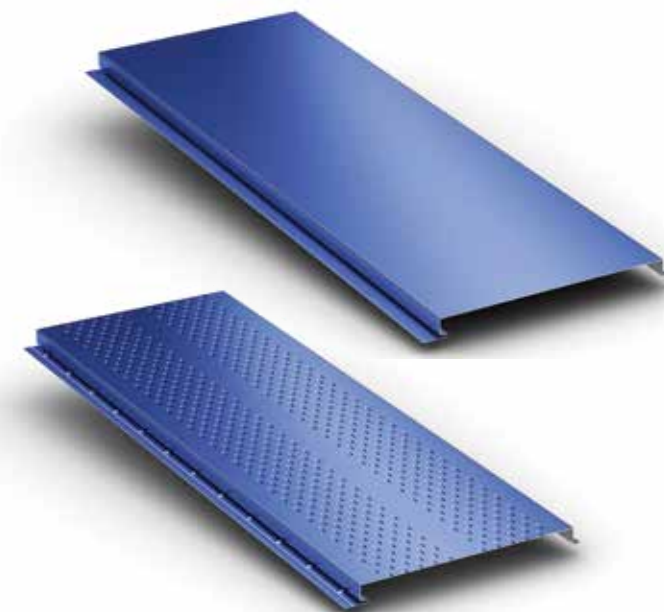
#### Testing Data

- Uplift Test: ASTM E1592
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

## Marquee-Lok and Marquee II

Marquee-Lok and Marquee II are soffit and fascia panels that are coated in colors matching McElroy's standing seam systems. The end result is assurance of an exact color match between roof system, soffit, fascia and wall panels.

McElroy Metal's Marquee-Lok panel features a unique locking design that adds strength and helps to prevent the panels from unlatching due to high suction force during a wind incident. No other panel in the industry features this type of locking mechanism.



#### Details

- Marquee-Lok - 8% net free area with vented surface  
Marquee II - 2% net free area with vented surface
- Maximum lengths:  
- 24 gauge 3' minimum and 8' maximum  
- 22 gauge 3' minimum and 15' maximum

#### Testing Data

- Uplift Test: ASTM E1592 (Marquee-Lok with locking feature only)
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

#### Panel Options

- Panel width: 12"
- Marquee-Lok panel configurations:  
- Non-vented: flat or double pencil ribs (on-center spacing with double pencil ribs is 4")  
- Vented: flat or single pencil rib
- Marquee II panel configurations:  
- Non-vented:  
flat or double pencil ribs  
- Vented: flat or single pencil ribs (vented available in 24 gauge only)
- Coating: Kynar 500® (PVDF)
- Substrate:  
- Standard 22 gauge Galvalume  
- Optional 24 gauge Galvalume



# Concealed Fastener Wall Panel



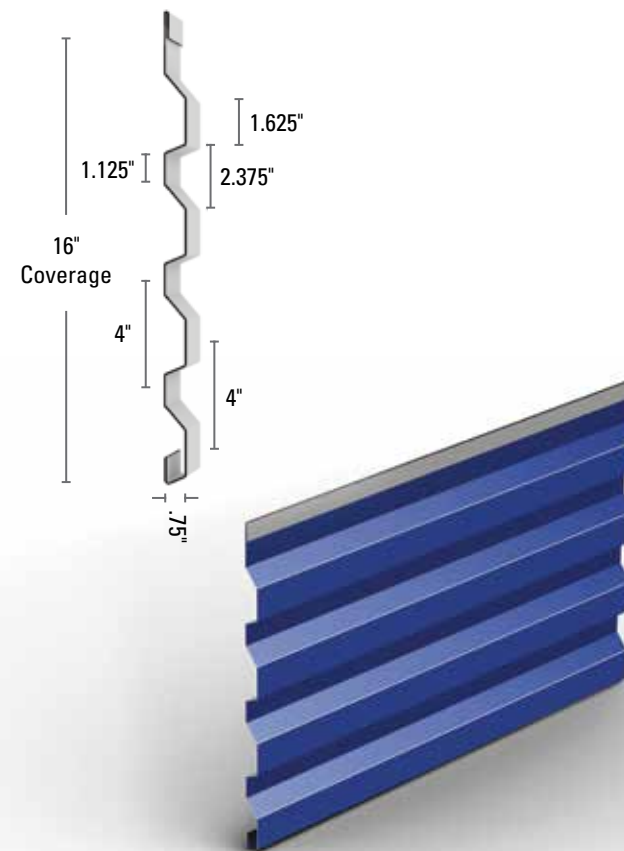
## Pre-Notched Wave Flashing

Wave pre-notched transition flashings allow for thermal expansion and contraction while providing an attractive finishing detail. Also available, Wave's pre-notched corner flashing



## Wave

If specifications call for a textured wall design without visible fasteners, Wave Panel makes an excellent selection. The Wave Panel is installed horizontally utilizing hidden clips and fasteners, resulting in a monolithic and aesthetically pleasing appearance.



Wave Panel Clip



### Details

- Wave panel is installed horizontally rather than vertically

### Panel Options

- Panel width: only available in 16"
- Substructural options:  
Can be installed over solid deck or open framing
- Coating: Kynar 500® (PVDF)

- Substrate:  
- Standard 24 gauge Galvalume®  
- Optional 22 gauge Galvalume

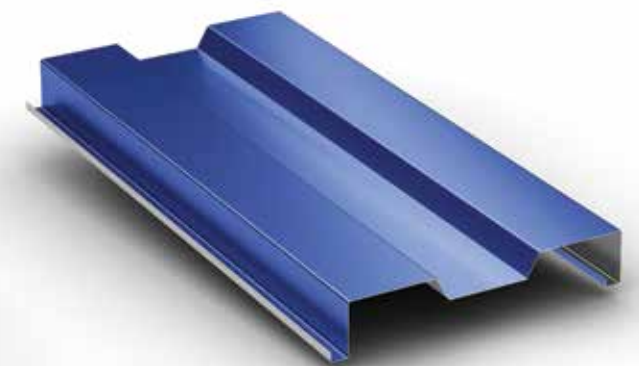
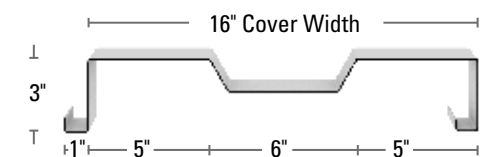
### Testing Data

- Uplift Test: ASTM E1592

Wave is produced in Houston, TX.

## MSR

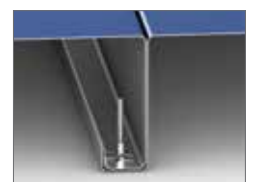
MSR is a concealed fastener wall panel by McElroy Metal that combines aesthetics and strength in one panel. MSR's bold profile will add curb appeal to most any project while providing the engineering and weather tightness characteristics demanded by architects and owners.



MSR with Clip



MSR with Fablok Fastener



### Details

- Also called "Shadow Rib" panel

### Panel Options

- Panel width: 16"
- Panel height: 3"
- Maximum panel length: 40'
- Coating: Kynar 500® (PVDF)
- Substrate:  
- Standard 24 gauge Galvalume  
- Optional 22 gauge Galvalume

### Testing Data

- Air Infiltration: ASTM E283
- Water Penetration: ASTM E331
- Acoustical Performance: ASTM E90
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

MSR is produced in Sunnyvale, TX.

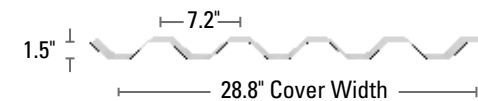
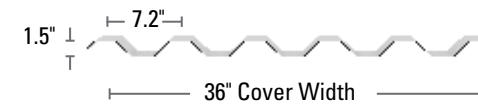


# Exposed Fastener Panels



## Mega-Rib

Mega-Rib is a 7.2 panel that provides optimum strength and spanning capabilities. Mega-Rib is equally well suited for industrial and commercial applications.



**Note:** Mega-Rib is also available with a 28.80" coverage, which is standard for 26 gauge panels. Please specify if 36" coverage is required.



## Multi-Cor & M-Cor

McElroy's corrugated panels were designed and engineered with greater-than-normal spans and load-carrying characteristics in mind. And, they quickly communicate their high-strength performance capabilities. McElroy's Multi-Cor and M-Cor are similar in design, with M-Cor offering a more subtle rib height and configuration.

### Multi-Cor



### M-Cor



### Details

- Minimum slope: 1:12
- Tape sealant required on all slopes.
- Can be installed vertically or horizontally

### Panel Options

- Coating: Kynar 500® (PVDF)
- Substrate:
  - Standard 24 gauge Galvalume®
  - Optional 22 gauge Galvalume
  - 26 gauge Galvalume (narrow coverage)

### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL2218
- Florida State Approval: 1832.8, 1747.6
- Fire Resistance: UL263
- Miami Dade Approval: NOA#13-0617.21
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

### Details

- Multi-Cor minimum slope: 1:12
- M-Cor minimum slope: 3:12
- Tape Sealant required on all slopes.
- Multi-Cor and M-Cor can be installed over solid deck or open framing

### Panel Options

- Coating:
  - Kynar 500® (PVDF)
  - Silicone Modified Polyester (SMP)
- Substrate:
  - Standard 26 gauge Galvalume
  - Multi-Cor is also available in 24 gauge Galvalume
  - M-Cor is also available in 29 gauge Galvalume

### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90 (Multi-Cor only)
- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 10680.1 (Multi-Cor only)
- Texas Department of Insurance Approval: Evaluation RC-158 (Multi-Cor only)
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

Multi-Cor and M-Cor are produced in Bossier City, LA.

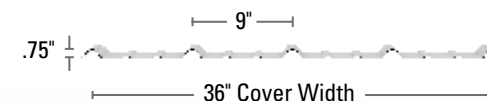


# Exposed Fastener Panels



## Max-Rib

Max-Rib is a low profile 3/4" panel that is well suited for post frame, commercial, and residential applications.



### Details

- Minimum slope: 1:12 (with sealant)
- 3:12 slope required without sealant
- Also available with Moisture-Lok

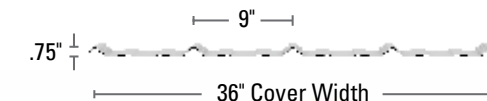
### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90

- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1747.2, 1832.3
- Fire Resistance: UL263
- Texas Department of Insurance Approval: Evaluation RC-157
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

## Mesa

Mesa is a patent and copyright protected panel that features a nearly invisible lap. Designed for Post Frame and residential applications, Mesa will add beauty to any project.

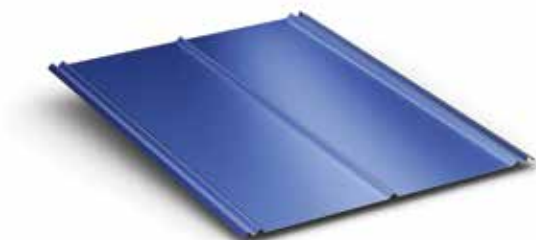


### Details

- Minimum slope: 1:12 (with sealant)
- 3:12 slope required without sealant
- Patent and copyright protected
- Nearly invisible lap
- Ideal for post frame structures and residential roofing
- Also available with Moisture-Lok

## 5V-Crimp

Homeowners across the country are discovering that metal roofing not only adds value to their home, but provides beauty as well. McElroy's 5V panel incorporates a classic design that will add beauty to any residential or commercial project.



### Details

- Minimum slope: 3:12 with sealant

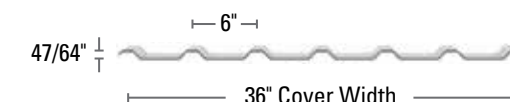
### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90
- Class 4 Impact Resistance: UL 2218

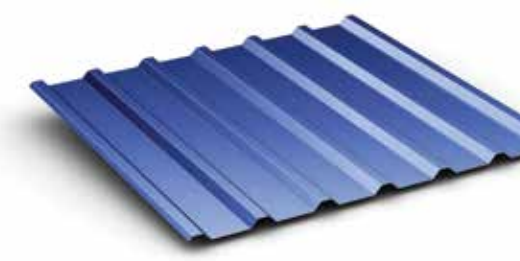
- Florida State Approval: 1832.1
- Fire resistance: UL263
- Texas Department of Insurance: RC-13
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

## U-Panel

U-Panel is an exposed fastener wall and roof panel that is also used extensively as a liner or partition panel.



**Note:** Also available, U-Panel with non-purlin bearing leg



### Details

- Minimum slope: 2:12 with sealant

### Testing Data

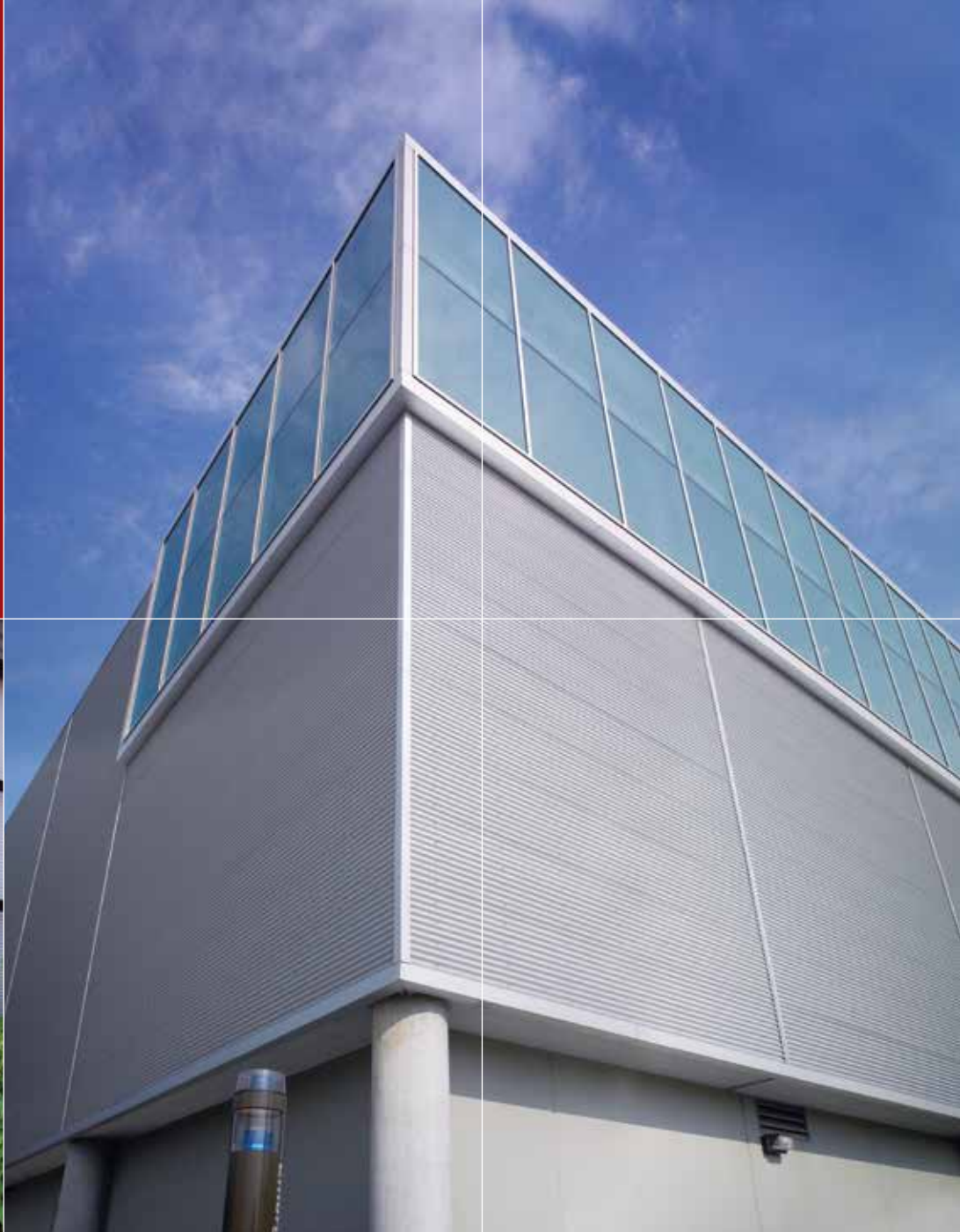
- Fire Rating: Class A
- Uplift Test: UL580 Class 90
- Class 4 Impact Resistance: UL 2218

- Florida State Approval: 8885.1
- Fire Resistance: UL263
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

5V-Crimp is produced in Ashburn, GA.

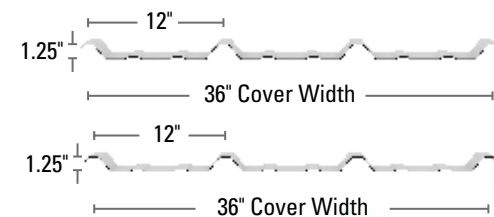


# Exposed Fastener Panels



## R-Panel

R-Panel is a multi-use wall and roof panel used primarily in pre-engineered metal building applications.



### Details

- Minimum slope: 1:12 (with sealant)

### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90, ASTM E1592 (26 PBR)
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646
- Class 4 Impact Resistance: UL 2218

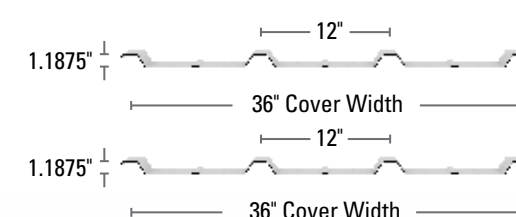
- Florida State Approval: 1747.9, 1832.11
- Fire Resistance: UL263

- Miami Dade Approval: - NOA#13.1024.02 (roof - 24 ga PBR only) - NOA#14.0120.07 (wall - 24 ga PBR only)

- Texas Department of Insurance Approval: RC-284 (PBR only)
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

## Multi-Rib

Multi-Rib is a multi-use roof and wall panel used primarily in pre-engineered metal building applications.



### Details

- Minimum slope: 1:12 (with sealant)
- Also available with Moisture-Lok

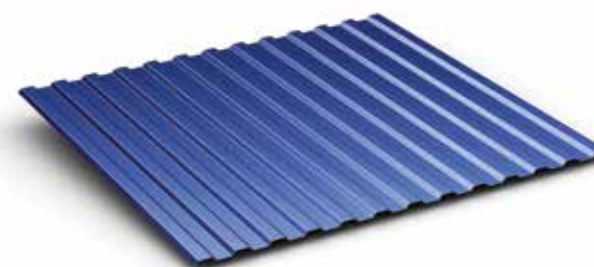
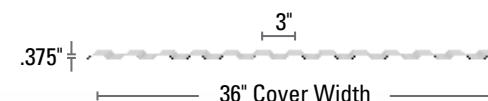
### Testing Data

- Fire Rating: Class A
- Uplift Test: UL580 Class 90, ASTM E1592 (26 PBR)
- Air Infiltration: ASTM E1680
- Water Infiltration: ASTM E1646

- Class 4 Impact Resistance: UL 2218
- Florida State Approval: 1747.8, 1832.10
- Fire Resistance: UL263
- Texas Department of Insurance Approval: Evaluation RC-63 and RC-283
- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)
- Fire Resistance: UL263

## Mini-Rib

The symmetrical design of McElroy's Mini-Rib panel makes it an appealing profile for wall, soffit, liner, and fascia applications.



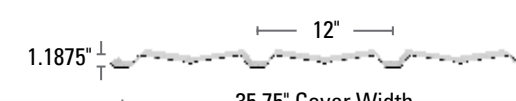
### Testing Data

- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)

Mini-Rib is produced in Bossier City, LA.

## Multi-V

Multi-V is an exposed fastener wall panel that is designed so that fasteners are placed in the valleys, making them visually less apparent.



### Testing Data

- For any available Test Data, Section Properties or Load Tables, please visit our download section at [www.mcelroymetal.com](http://www.mcelroymetal.com)



# Met-Tile & Milan



## Met-Tile

Met-Tile roofing panels provide the appearance of ceramic tile roofing with all the advantages and performance of metal. Met-Tile is lightweight, energy efficient and aesthetically attractive. Since Met-Tile is a panelized roofing system, installation takes a fraction of the time required for ceramic tiles. Panels are installed vertically from eave to ridge and are secured to the deck with fasteners.



### Kynar 500® Colors

Cotillion White	Gallery Blue
Coral Blue	Bravo Red
Morocco Red	Meadow Green
Mission Clay	Spanish Tile Red
Ranchwood Brown	Slate Gray

**Note:** Colors are representative of colors offered and are not intended for matching purposes.

#### Details

- Minimum slope: 3:12 with sealant
- Must be installed over solid deck

#### Panel Options

- Panel lengths: 2' - 20' (in 1' increments)
- Panel width: 38 5/16"
- Panel coverage: 36 3/16"
- Steps are 1' OC

- Coating: low gloss, Kynar 500® (PVDF)
- Substrate: - 26 gauge Galvalume® stucco embossed only

#### Testing Data

- Fire Rating: Class A and C ratings for new construction (depending on substrate)
- Miami Dade County: NOA#11-1129.02

## Milan

Milan shingles add beauty and curb appeal to any home or business. Offering eight attractive Kynar 500® colors as well as Slate and Shake Kynar 500 Prints, McElroy Metal's Milan will compliment any exterior design palette.



### Kynar 500® Colors

Ebony	Manor Gray	New Penny
Keystone Gray	Adobe Red	Linen
Heritage Green	Homestead Brown	

### Kynar 500® Designer Prints

Blue Slate	Gray Slate	Green Slate
Red Slate	Classic Cedar Shake	Cedar Shake
Seasoned Cedar Shake		

**Note:** Colors are representative of colors offered and are not intended for matching purposes.

#### Details

- Minimum Slope 3:12
- Milan has a four-way interlock system that is secured to the roof using aluminum fastening clips
- Can be installed over most existing asphalt shingles or solid deck

#### Panel Options

- Panel exposure: 39" x 12"
- Panels per square: 30.77
- Weight per square: 76 lbs.
- Coating: - Kynar 500® (PVDF) - Designer prints in Kynar 500® (PVDF) also available
- Substrate: - 29 gauge G90 Galvanized steel

Met-Tile is produced in Sunnyvale, TX.

Oil canning (pan wave) is a natural occurrence in metal panels and is not a cause for panel rejection.





# Retrofit Systems



## Retrofit Systems

McElroy Metal has the optimal solution for building owners, architects and contractors who desire a high performance, long-term solution for worn-out conventional roofs. McElroy Metal Retrofit Roofing Systems provides an extended service life and reduced life-cycle costs. In many cases, the cost difference between a conventional roof tear-off and replacement compared to a retrofit metal roof system is a return on investment which can be recovered in a short period of time.

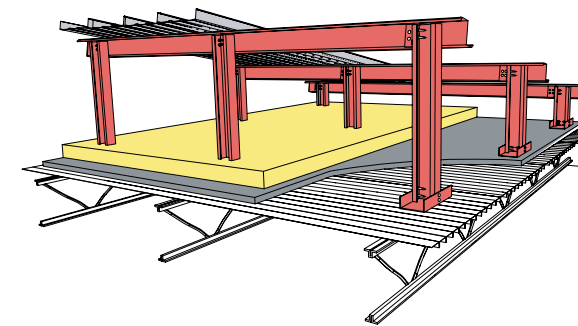
### Building Owner Benefits

- Decades long service life
- Reduced maintenance
- Energy savings through reduced consumption
- Aids in LEED™ certification
- Increases wind and snow storm resistance
- Possible reduction of insurance premiums
- Improves appreciable value of your building

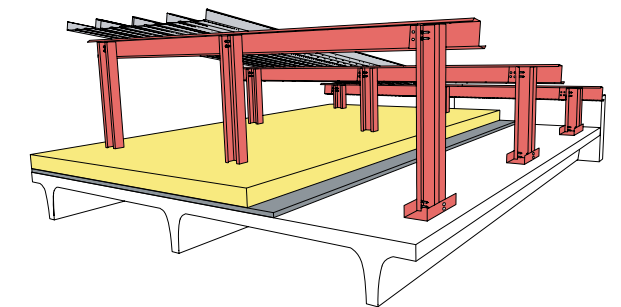
### The Contractor's Advantages

- Easy to erect framing systems
- Designed by in-house McElroy Metal engineering staff
- Proven and tested standing seam metal roofing systems
- All materials manufactured by McElroy Metal
- Quicker than normal turn-around times
- Reduces landfill expenses for disposal of existing materials

McElroy Metal Retrofit Roofing Systems are engineered to adapt to the existing roof's structural support system whether constructed of steel, concrete or wood.



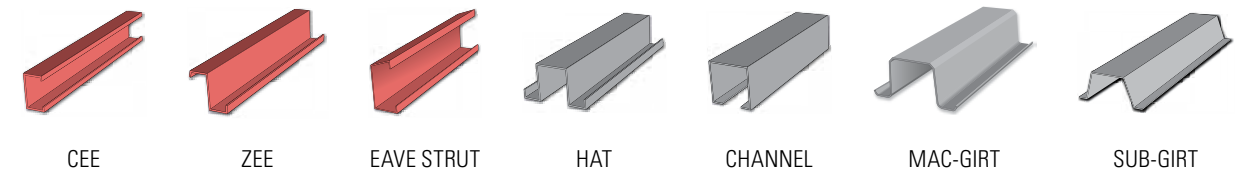
Adaptation to Steel



Adaptation to Concrete

## Substructural Components

McElroy's substructural components - Cees, Zees, Hats, Channels, Angles - represent the broadest selection of cold-formed substructural components in the industry.



Cee, Zee, and Eave Strut are available in 12, 14, and 16 gauge.

Hat, Channel, Mac-Girt, and Sub-Girt are available in 16, 18, and 20 gauge.



# Solar Solutions



## Solar Solutions

McElroy Metal Solar Solutions combine metal roofing with crystalline and thin-film solar technologies. The end-result is a functional and environmentally friendly roof system that generates renewable, clean, green energy.

**Crystalline** panels are the most popular photovoltaic product and offer higher efficiency and power generation. Crystalline Panels are easily attached to McElroy Metal standing seam systems utilizing S-5! PV Kits, which hold the solar panels in place without penetrating the roof.

**Thin-film solar laminate** solar panels are flexible and adhere directly to many McElroy Metal standing seam systems. Because the solar material is adhered directly to the roof panels, this technology is referred to as Building Integrated Photovoltaic (BIPV). Thin-film solar panels are lightweight, aesthetically appealing, and have an ability to generate power under cloudy conditions.



S-5! PV Kit

Crystalline Panels



Thin-film Solar Laminate



McElroy Metal Peachtree City, GA manufacturing plant with McElroy 238T panels and Crystalline solar panels.





# Green Span Profiles



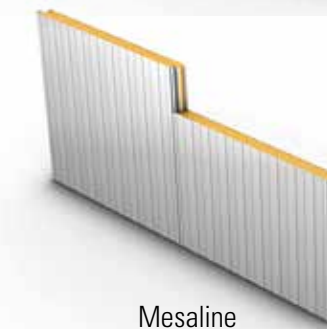
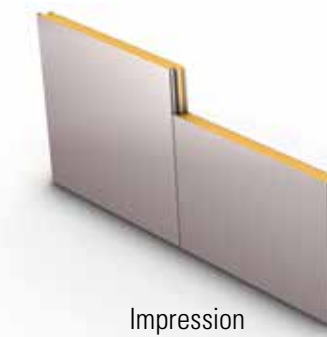
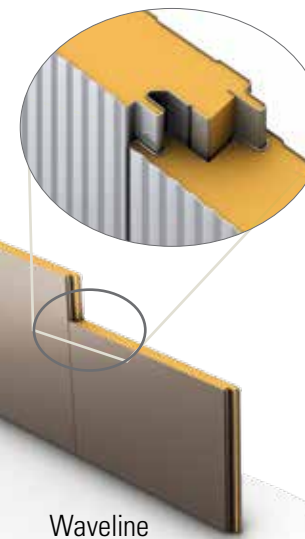
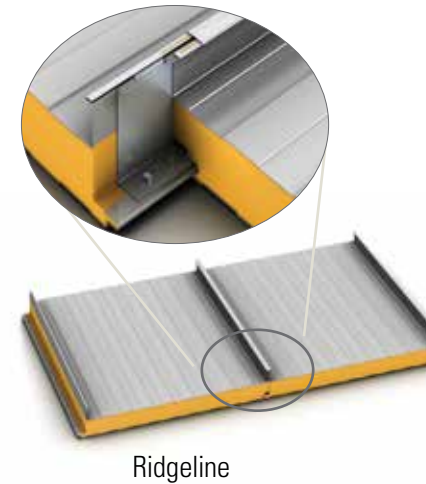
## Green Span Profiles

Green Span Profiles (GSP) is a McElroy Metal joint venture company that manufactures Insulated Metal Panels (IMP's) in a state-of-the-art manufacturing facility in Waller, TX.

Insulated Metal Panels are premier building products on the leading edge of innovation. Panels are formed by a continuous poured-in-place manufacturing process which binds interior and exterior steel facings to a polyisocyanurate insulating foam core. Green Span Profiles GSPs offer exceptional insulating properties ( $R = 8$  per inch), superior spanning, superior spanning capability, accelerated installation times and an attractive architectural appearance. GSP wall panels can be installed both vertically and horizontally.

Green Span Profiles are available in 2, 2.5, 3, 4, 5, and 6 inch thickness.

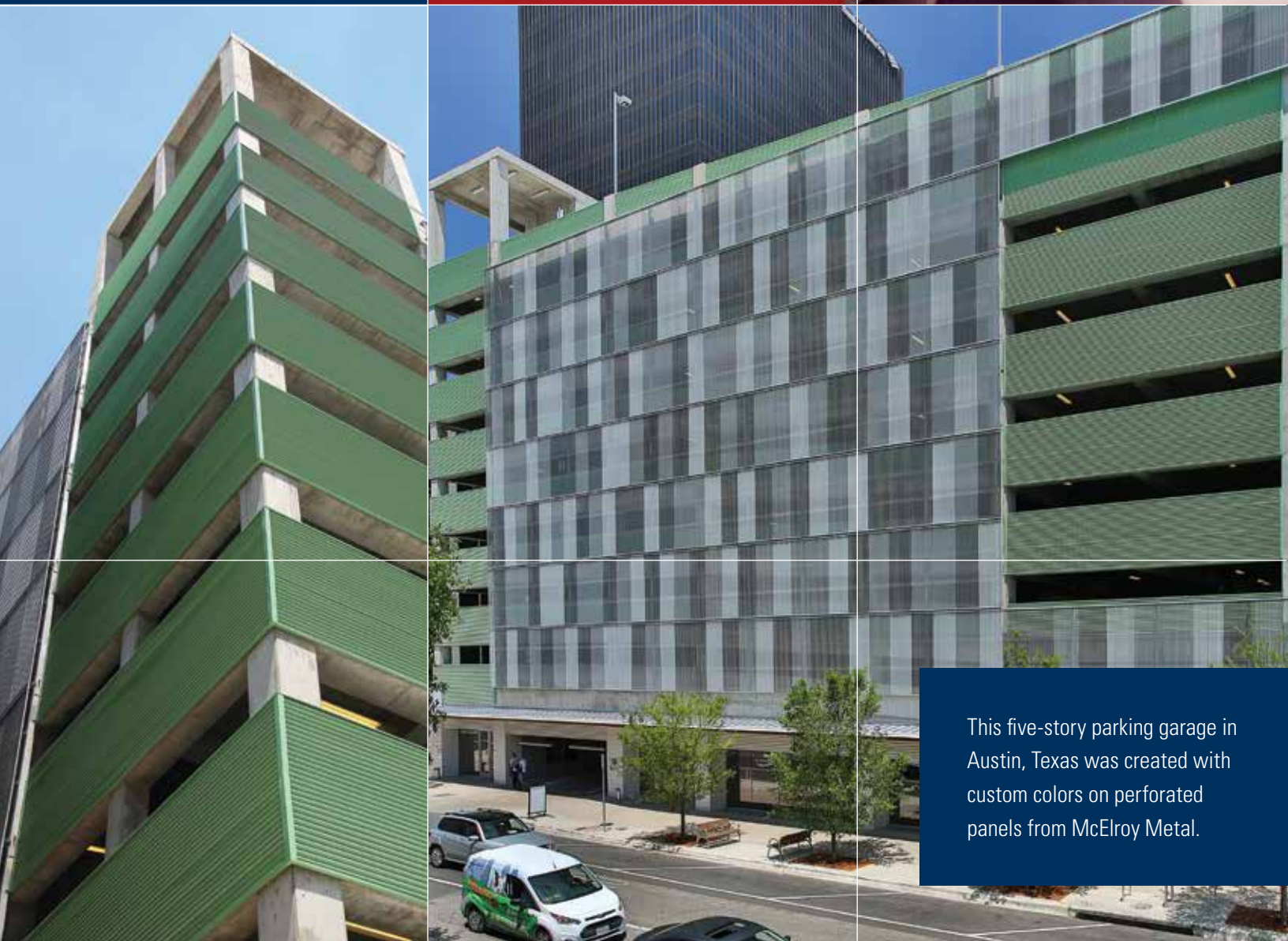
Green Span's RidgeLine roof panel features a 238T symmetrical standing seam, making it the industry's easiest IMP to install. RidgeLine is available with a 42" cover width in thicknesses from 2 1/2" to 5".





# Slit Coils, Flat Sheets, & Perforated

McElroy's slit coils and flat sheets are available in a wide variety of widths and gauges in Kynar 500® colors.



This five-story parking garage in Austin, Texas was created with custom colors on perforated panels from McElroy Metal.



address:  
1500 Hamilton RD.  
Bossier City, LA 71111

phone:  
800.562.3576  
fax:  
318.747.8029

email:  
[info@mcelroymetal.com](mailto:info@mcelroymetal.com)  
web:  
[www.mcelroymetal.com](http://www.mcelroymetal.com)