

## *Setting the New Standard*

*138T and 238T Symmetrical Panel System*



**138T / 238T**

### ***138T and 238T***

Ease of Installation  
Unsurpassed Wind Uplift Resistance  
Individual Panel Replaceability  
Unlimited Thermal Movement  
Watertight Seam Design  
Can be Job-Site Formed for Long Lengths  
No Laps = Greater Weathertightness  
Available Flat, Curved and Tapered

**MCELROY  
METAL**  
Metal Roof & Wall Panels

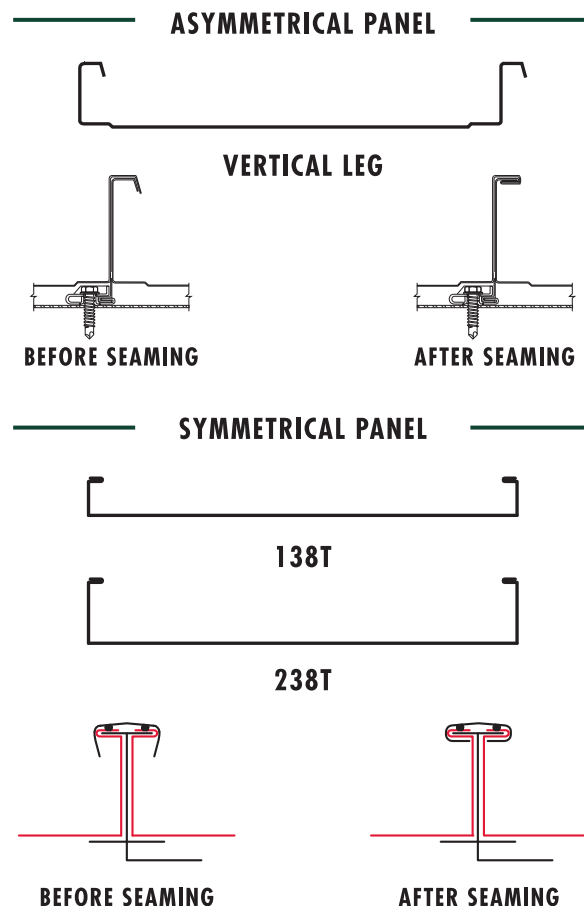
## 138T / 238T Symmetrical Panels

### Setting the New Standard ... in Ease of Installation

138T and 238T symmetrical standing seam systems offer many advantages over popular, asymmetrical panels, such as vertical leg systems, which feature male and female seams that interlock to form the roofing system. Asymmetrical panels are directional, and are typically installed from left to right.

Symmetrical standing seam panels, like 138T and 238T, do not have male and female seams. Rather, a symmetrical system is comprised of panels with identical/matching left and right seams. Panels are then joined with a mechanically seamed cap. Panels are non-directional and can be installed left to right, right to left or even center to right and left.

In addition to installation benefits, symmetrical panels also offer easy individual panel removal and replacement for easy plenum access. Removed panels can be re-installed, which means only a new cap needs to be purchased and installed.



### Setting the New Standard ... in Wind Uplift Resistance

238T offers unsurpassed wind uplift resistance. When installed with standard clips, 238T offers very competitive uplift performance. For greater uplift resistance, the 238T Multi-Span clip offers nearly three times greater uplift resistance than standard clips. Often, to optimize performance, a combination of standard and Multi-Span clips are utilized on the same project. Multi-Span clips are used on corners and other strategic areas while standard clips are used in all other locations.

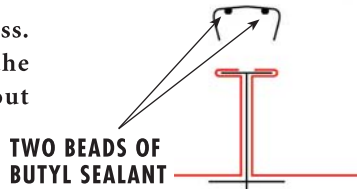




## 138T / 238T Symmetrical Panels

### *Setting the New Standard ... in Weathertight Design*

The design of 138T and 238T panels provides outstanding weathertightness. Two beads of butyl sealant are factory applied to the seam cap. When the cap is engaged to the metal panels, a watertight seam is created without any breaks or voids. This unique system design also allows for unlimited thermal movement, which lessens the risk of sealant breaks and/or voids.



### *Setting the New Standard ... in Jobsite Production*



Continuous panel runs from eave-to-ridge, without laps, is always preferable. McElroy Metal's onsite production vehicles can manufacture panels up to 200 feet long and reach eave heights up to 30 feet while accommodating slopes up to 5:12. Onsite panel production is always performed by trained McElroy Metal roll former operators, which is your assurance of quality.



### *Setting the New Standard ... for Design Creativity*

Once seamed, 138T and 238T panels create a symmetrical "T", which offers a unique and aesthetically pleasing appearance. 138T and 238T panels can also be curved and/or tapered to meet the growing demand for custom metal panels.

### *Setting the New Standard ... for Metal-Over-Metal Retrofit Applications*

With the 238T Retrofit Clip, retrofitting an existing metal roof can be accomplished quickly, and at a lower expense than common remove and replace strategies. The 238T Retrofit Clip sits between the ribs of the existing roof, eliminating the need for sub-framing and greatly reducing material and labor expense. As an added benefit, the existing roof remains in place which means limited disturbance to the building occupants. The end-result for building owners is a price point comparable to single-ply with a two to three times greater life-span. The tall clip also stands above the existing panel's major ribs which allows space for insulation, providing building owners an opportunity to lower utility expenses.



## 138T / 238T Symmetrical Panels

138T / 238T

### PRODUCT DATA

#### PAN CONDITIONS:



- 138T SEAM HEIGHT: 1 3/8"

- 238T SEAM HEIGHT: 2 3/8"

Oil canning is inherent in all metal panels and is not cause for panel rejection.

#### CURVING CAPABILITIES

- 138T Minimum Radius 9'
- 238T Minimum Radius 24'
- For both 138T and 238T, a curving machine will be delivered to the jobsite and operated by a McElroy Curving Technician.

#### DETAILS:

**Standard Substrates:**  
24 Gauge Galvalume

**Optional Substrates:**  
22 Gauge Galvalume,  
.040 Aluminum, and Copper

**Roofing Substrates:**  
138T: Solid Deck  
238T: Solid Deck or  
Open Framing

**Minimum Slope:**  
138T: 2:12  
238T: 1/2:12

**Optimal Widths:**  
138T: 12", 16", 18"  
238T: 16", 18", 24"

**Standard Coating:**  
Kynar 500® (PVDF)

#### TESTING INFORMATION:

##### 138T Symmetrical Panel:

- Uplift: UL 580, UL 1897, ASTM E1592  
(Tested in accordance with ASTM and UL procedures)
- Impact Resistance: UL Class 4
- Fire Rating: UL Class A

##### 238T Symmetrical Panel:

- Uplift: FM 4471, UL 580, UL 1897, ASTM E1592
- Static Water: FM 4471 Appendix G, ASTM E2140
- Air & Water Infiltration: ASTM E1680, ASTM E1646
- Impact Resistance: UL Class 4, FM Class 1-SH
- Fire Rating: UL Class A



CORPORATE OFFICE • 1500 HAMILTON RD. • BOSSIER CITY, LA 71111

Website: [www.mcelroymetal.com](http://www.mcelroymetal.com) • E-mail: [info@mcelroymetal.com](mailto:info@mcelroymetal.com)