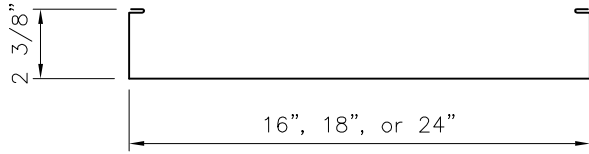
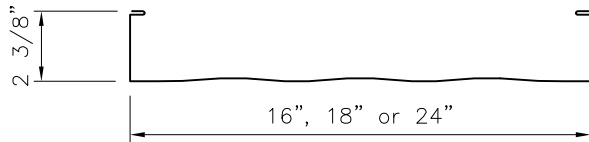


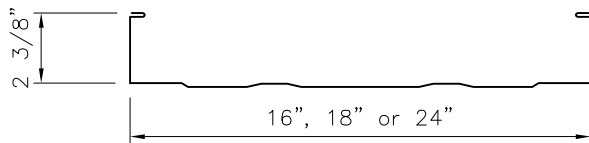
# 238T SYMMETRICAL PANEL



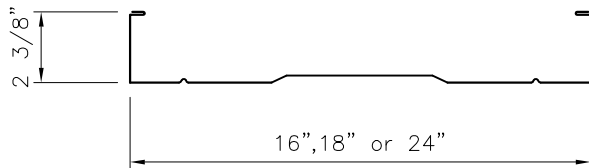
**SMOOTH PROFILE**  
Optimum Widths 16", 18" or 24"



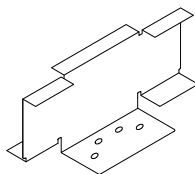
**STRIATED PROFILE**  
Optimum Widths 16", 18" or 24"



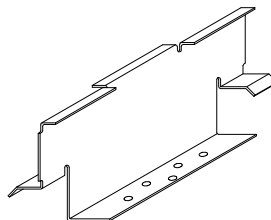
**STIFFENER RIB PROFILE  
WITH OPTIONAL CLIP OFFSET**  
Optimum Widths 16", 18" or 24"



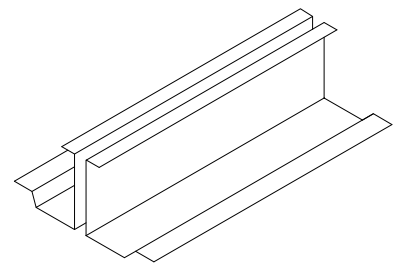
**PLANK & PENCIL PROFILE**  
Optimum Widths 16", 18" or 24"



**STANDARD CLIP**  
16 GA.  
Galvanized (Standard)  
Stainless (Optional)



**RETROFIT CLIP**  
16 GA.



**MULTISPAN CLIP**  
2-Piece  
24 GA (Standard)  
22 GA (Available)

**Applications**

Symmetrical structural roof/wall panel used on slopes down to 1/4:12. Continuous length up to 300ft. Tapered panels and convex curving available.

**Substrates**

Bar Joist, Open Purlin, Plywood, Metal Deck, Re-Roof over existing Modified, Built-up, Single-ply or Metal.

**Standard Material**

Alum-Zinc coated steel, Aluminum

**Standard Gauge**

24 ga.

**Aluminum Available By Request**

.040 aluminum

**Optional Gauge**

20 ga.  
22 ga.

**Optional Material**

Copper, Stainless, ABC DuraZinc®

**Manufacturing**

Factory, Jobsite  
Roll-formed, Curved onsite

**Finishes**

Acrylic Coated Galvalume and Fluoropolymer (Kynar 500® PVDF resin-based)

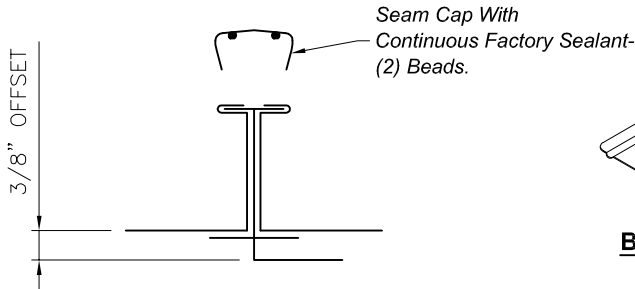
**Texture**

Smooth, Striations, Stiffener Ribs, Plank & Pencil.

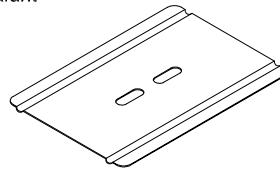
**Testing/Agency Approvals**

Uplift: FM 4471, UL 580, UL 1897, ASTM E-1592  
Static Water: FM 4471 Appendix G, ASTM E-2140  
Air & Water Infiltration: ASTM E-1680, ASTM E-1646  
Impact Resistance: UL Class 4, FM Class 1-SH  
Fire Rating: UL Class A;  
Texas Windstorm; Florida Building Code.

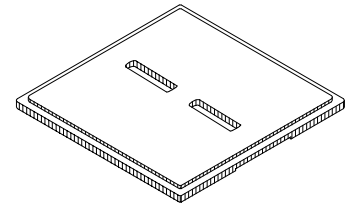
## 238T SYMMETRICAL PANEL



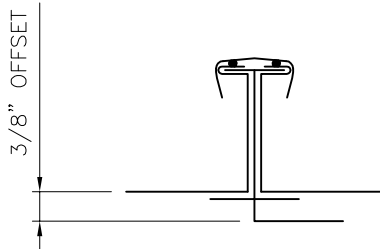
**SEAM ENGAGEMENT**



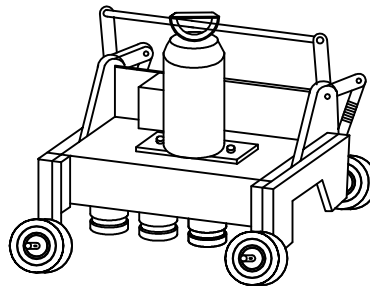
**BEARING PLATE**  
24 GA., 50 KSI Steel



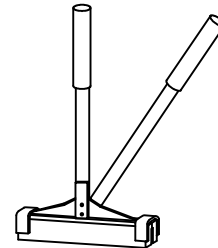
**STACKABLE LEVELING SHIM**  
6" x 6" x 1/4" Thick



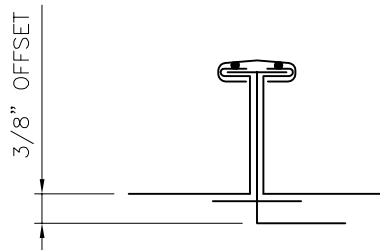
**BEFORE SEAMING**



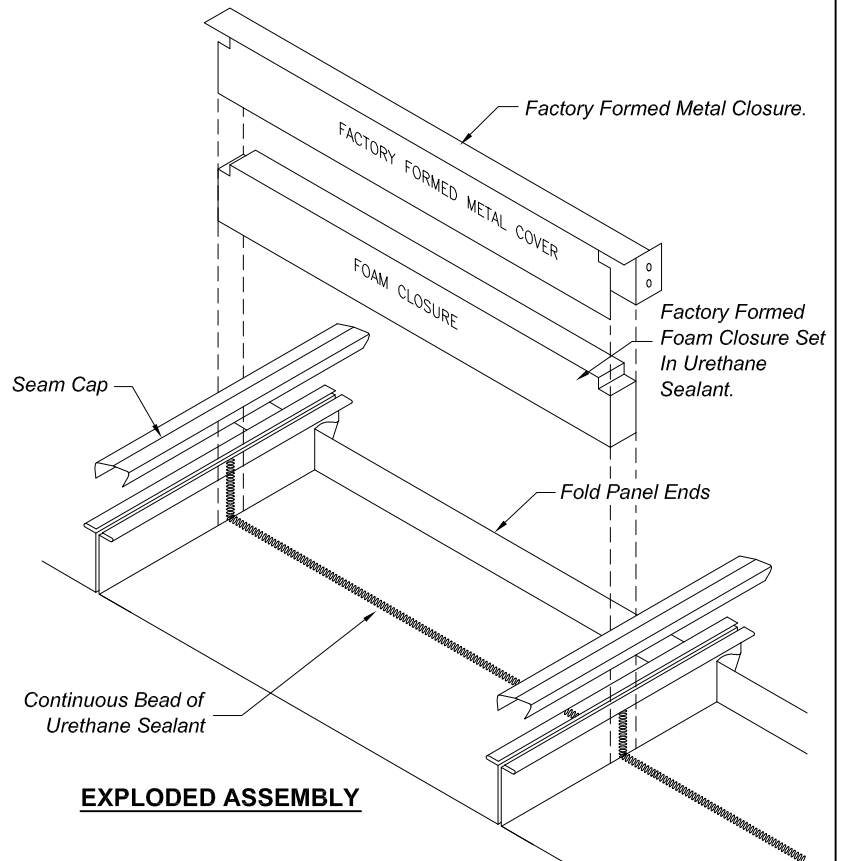
**MECHANICAL SEAMER**



**HAND SEAMER**



**AFTER SEAMING**



**EXPLODED ASSEMBLY**