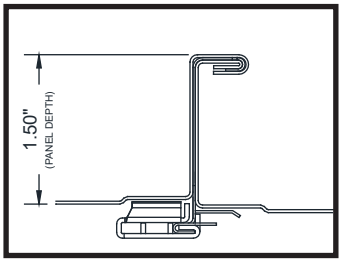
MS-150 Mechanical Standing Seam Panel

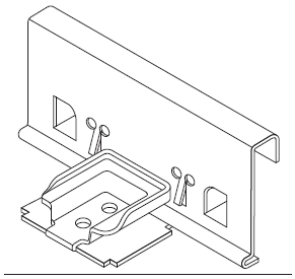
Features:
- Roof or Wall Application
- Horizontal or Vertical Installation
- Applied over solid substrate or open framing
- 2 piece concealed clip designed for thermal movement
- Minimum slope 3/4:12
- Factory applied sealant (standard) ensures weather tightness
- Tapered panels available up to 20'-0", w/o clip relief or face ribs

Panel Lengths:
Minimum 5' up to 50'
Field forming available for panels over 50'
1.5" Rib Height, 12" & 20" coverage standard (16" special order)

Panel Depth:
1.5"seam depth, (system depth is 2.0" with clip)



OPTION MS150 @ 90°


MS150 PANEL CLIP

Product Options:
- Finishes: Kynar 500 (PVFD) Colors and Acrylic Coated Galvalume
- Available Gauges: 24 ga Standard; 22 ga Optional
- Also available in 20 or 24 oz Copper, 0.040 Aluminum, 0.8mm Zinc
- Mechanically seamed integral side lap seam
- Single or double lock; UL rated in either seam type
- Striated surface standard
- Oil Canning is NOT a cause for rejection
- Weathertight warranty may be available, inquire for details

Clarifications:
- All panels will be supplied with striations unless specified otherwise, in writing by purchaser.
- Rollfab utilizes top quality materials specifically designed for rollforming applications, which are tension leveled to help minimize oil canning. Oil canning is naturally inherent in sheet metal and is not grounds for rejection.
- Kynar 500 is a registered trademark of Elf Atochem North America Inc.
- Galvalume is a registered trademark of BEIC International, Inc.

Testing:
UL-263 Fire Resistance Rating
UL-790 Class A Fire Resistance
UL-2218 Class 4 Impact Resistant
UL-580 Class 90 Wind Uplift, Construction no. 588, 589, 603, 604 & 605
Florida Building Code approved 8629.1
Dade County Florida PA-125 approval
Miami Dade County TAS 100-95 & TAS 125-03/UL1897 approved, no. 05-1122.13
Dade County Submersion test PA-114 (FM 4471) approved
ASTM E-330 Structural
ASTM E-E1646-95 Water Infiltration
ASTM E-E1680-95 Air Filtration

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MS-150 Mechanical Standing Seam Panel

	ASTM E-283/1680 Air Infiltration		ASTM E-331/1646 Water Penetration	
Profile	Pressure Differential	Leakage Rate	Pressure Differential	Leakage Rate
24 Gauge–16" Wide	6.24 PSF 12.0 PSF 15.0 PSF	.006 CFM/sq. ft. .000 CFM/sq. ft. .000 CFM/sq. ft.	6.24 PSF 12.0 PSF 15.0 PSF	None None None

LOAD TABLE OVER 15/32" PLYWOOD

Buildings having a Roof Mean Height ≤20'-0"; Roof Slope: 3"/12 – 12"/12"
Wind speeds 120-150 mph, Exp. C, 1=1.0, based on Florida Bldg. Code 2004

1.5" 24 Ga. Mechanical Lock, 16" Wide, Clip Spacing						
Zone	Fastener	Substrate	Wind Speed Zone			
			120	130	140	150
			On Center Spacing	On Center Spacing	On Center Spacing	On Center Spacing
Zone 1	(2) #12-11x1"	15/32" CDX Plywood	24"	24"	24"	24"
Zone 2	(2) #12-11x1"	15/32" CDX Plywood	24"	6"	6"	6"
Zone 3	(2) #12-11x1"	15/32" CDX Plywood	6"	6"	6"	6"

1. PANEL DESCRIPTION: 1.5" Mechanical Lock, Min. 24 Ga. MSG coated steel, 16" max width double lock seam
2. PANEL FASTENER: (2) #12-11 x 1" Type A Pancake Head per clip
3. PANEL CLIP: 1500SC Floating Clip
4. MAXIMUM ALLOWABLE PANEL UPLIFT PRESSURE: 59.75 PSF @ 24" O.C., 123.5 PSF @ 6" O.C. Pressure based on UL 580/UL 1897 Testing by Force Engineering , Test Report #72-0313T-06A-C
5. PLYWOOD DECKING: Min. 15/32" Thick, APA Rated Plywood, Grade C-D, Plywood. Must be designed in accordance with F.B.C. 2004

General Notes:

1. The Allowable Pressure is the Ultimate Test Pressure divided by a Factor-of-Safety (Load Factor) of 1.65
2. The published Allowable Wind Uplift Pressure considers panel buckling strength, side joint disengagement resistance and clip/side joint interactive strength.

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