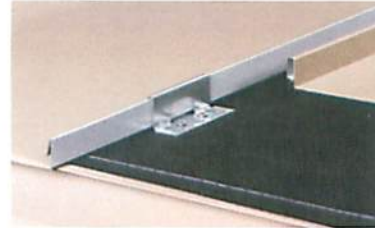


SL-175 Panel System

Technical Reference



Standard Striated Surface (Smooth optional)



Product Overview

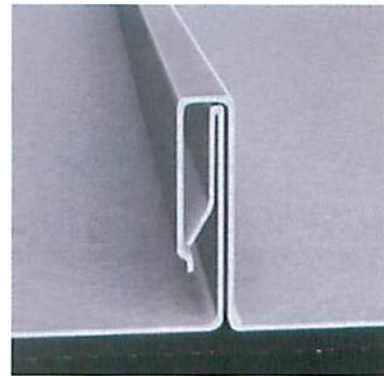
- ◆ Architectural or Structural application
- ◆ Finishes: Kynar 500 (PVFD) Colors and Acrylic Coated Galvalume
- ◆ Available Gauges: 24 ga Standard; 22 ga Optional
 - ◆ Also available in Copper, Aluminum and Zinc
- ◆ 1 3/4" Rib Height, 10", 12" and 18" coverage
- ◆ Applied over Solid Substrate or Open Framing
- ◆ Single piece clip for thermal expansion and contraction
- ◆ Positive engagement snap locking integral side lap seam
- ◆ Minimum slope – 2 1/2:12
- ◆ Factory applied sealant (optional) insures weathertightness
- ◆ Striated surface to minimize oil canning

Technical Overview

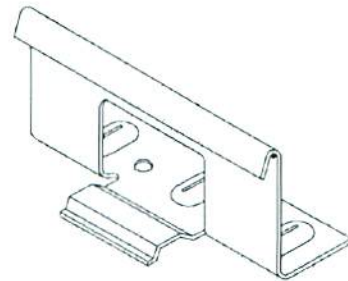
- ◆ UL-263 Fire Resistance Rating Design No. P225, P227, P230, P235, P237, PP250, P259, P265, P266, P268, P508, P510, P512, P514, P516, P518, P701, 711, P712, P713, P715, P717, P719, P720, P821, P722, P723, P726, P731, P732, P734, P739, P740, P801, P815, P819, P824, P825, P828
- ◆ UL-790 Class A Fire Resistance
- ◆ UL-2218 Class 4 Impact Resistant
- ◆ UL-580 Class 90 Wind Uplift Construction No. 254, 255, 261, 303, 342, 343, 359, 359A, 414, 436, 445, 446, 447, 448, 486, 508, 508A, 543, 544 and 565.
- ◆ CEGS 07416 US Army Corp of Engineers Rated ASTM E-1592
- ◆ Florida Building Code approved 10240.1
- ◆ ASTM E-1646 -Water Infiltration
- ◆ ASTM E-1680 Air Infiltration

General Information

- ◆ Minimum length panel – 3'-0"
- ◆ Maximum length – 50'-0"
- ◆ Field Forming available for panels over 50'
- ◆ Panel available in .032 Aluminum, 16 and 20 oz Copper and Zinc
- ◆ Special width panels upon request
- ◆ Tapered panels available up to 20'-0"
- ◆ Striation, narrower widths and heavier gauges minimize "Oil Canning"
- ◆ Oil Canning is NOT a cause for rejection



Seam Assembly Diagram



UL-90 Rated Clip

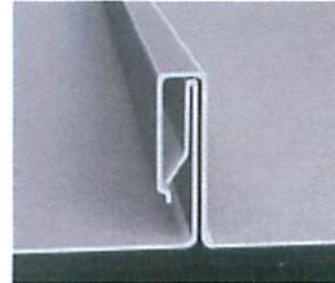
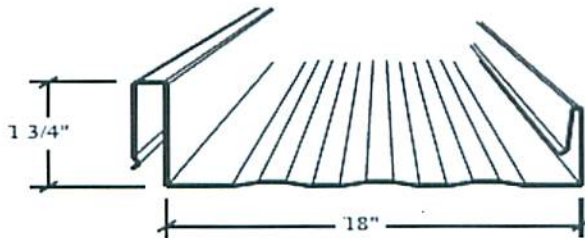
All panels will be supplied with striations unless specified otherwise, in writing, by purchaser. Rollfab utilizes top quality materials specifically designed for rollforming applications, which are tension leveled to help minimize oil canning. Oil canning is naturally inherent in sheet metal and is 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.

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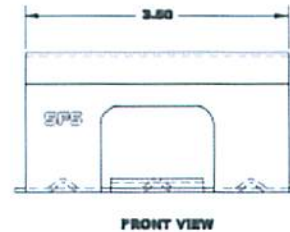
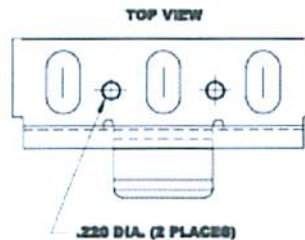
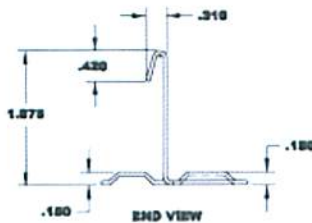
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2529 W Jackson Street, Phoenix, Arizona 85009

SL-175 Panel System

Technical Reference



Panel Clip



Rollfab SL- 175 18"

U.S. Army Corps of Engineers: CEGS-07416		ASTM E-1592	
	Allowable Wind Uplift Capacity, psf	Ultimate Wind Uplift Capacity, psf	
Panel Description	Design, wind pressures, psf	Design, wind pressure, psf	
Depth / Width / Gauge	"Field" of roof 48" O.C.	Leading & trailing edges 18"	"Field" of roof 48" O.C.
1 3/4" X 18" X 24 ga.	25.2 psf	48.8 psf	41.4 psf
			80.6 psf

AIR INFILTRATION: Resistance to air infiltration: 0.007cfm per lineal foot of joint when tested in accordance with ASTM E 283/ E 1680 at static test pressure differential of 12.00 psf.

WATER INFILTRATION: Resistance to water infiltration: No leakage through panel joints in accordance with ASTM E 331/ E 1646 at static test pressure differential at 1200 psf.

UL-90 Construction No. : 254, 255, 261, 303, 342, 343, 359, 359A, 414, 436, 445, 446, 447, 448, 486, 508, 508A, 543, 544 and 565

Wind Uplift/Load Span Chart

Panel Span Feet	2.0	2.5	3.0	3.5	4.0
Allowable Wind Uplift Pressure	48.8	42.9	37.0	31.1	25.2

General Notes:

- 1)The Allowable Pressure is the Ultimate Test Pressure divided by a Factor-of-Safety (Load Factor) of 1.85
- 2)The published Allowable Wind Uplift Pressure considers panel buckling strength, side joint disengagement resistance and clip/ side joint interactive strength only.



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