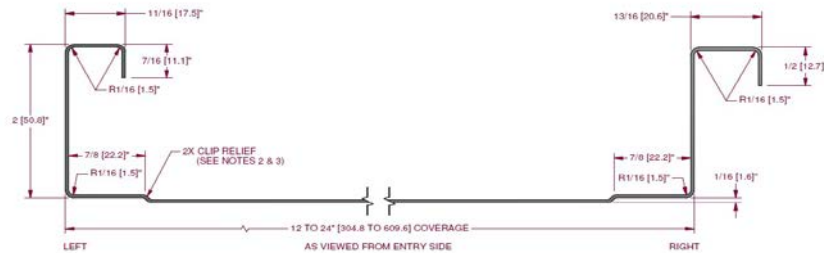


# MS-200 HP Panel System



## Product Overview

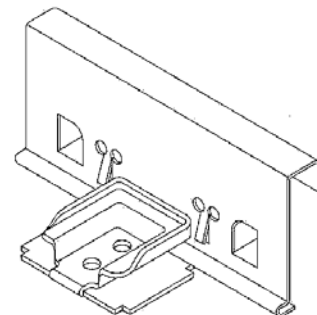
- ◆ Architectural or Structural application
- ◆ Finishes: Kynar 500 (PVFD) Colors and Acrylic Coated Galvalume
- ◆ Available Gauges: 24 ga Standard; 22 ga Optional
  - ◆ Also available in Copper, Aluminum and Zinc
- ◆ 2" Rib Height, 18" coverage standard (12" and 16" special order)
- ◆ Applied over Solid Substrate or Open Framing
- ◆ Two piece articulating clip for thermal expansion and contraction
- ◆ Mechanically locked integral side lap seam
- ◆ Single or double seam; UL rated in either seam type
- ◆ Minimum slope – 3/4:12
- ◆ Factory applied sealant (standard) insures weather tightness

## Technical Overview

- ◆ UL-263 Fire Resistance Rating
- ◆ UL-790 Class A Fire Resistance
- ◆ UL-2218 Class 4 Impact Resistant
- ◆ CEGS 07416 US Army Corp of Engineers Rated, ASTM E-1592
- ◆ UL-580 Class 90 Wind Uplift Construction No. 90, 176, 180, 238, 238A, 238B, 238C, 435, 437, 449, 451, 452, 487, 506, 506A and 506B.
- ◆ Miami Dade County ASTM 1897 approved; FM I-90 protocol
- ◆ ASTM 2140 Submersion Test approved
- ◆ ASTM E-331/E1646-95 Water Infiltration
- ◆ ASTM E-283/E1680-95 Air Infiltration

## General Information

- ◆ Minimum length panel – 3'-0"
- ◆ Maximum length – 50'-0"
- ◆ Field Forming available for panels over 50'
- ◆ Panel available in .032 and .040 Aluminum, 16 & 20 Copper and Zinc
- ◆ Tapered panels available on special inquiry
- ◆ Striation, narrower widths and heavier gauges minimize "Oil Canning"
- ◆ Oil Canning is NOT a cause for rejection



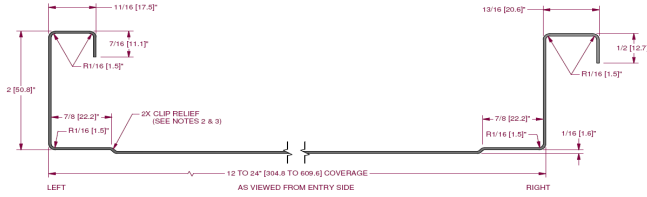
RMP recommends all panels be striated to minimize oil canning. Purchaser must specify striated or smooth panel on order. Rollfab utilizes top quality materials specifically designed for rollforming applications, which are tension leveled to help minimize oil canning. Oil canning is naturally inherent 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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# MS-200 HP Panel System

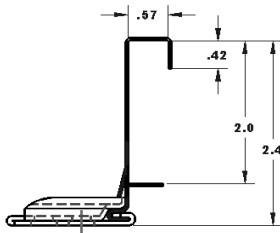
## Technical Reference



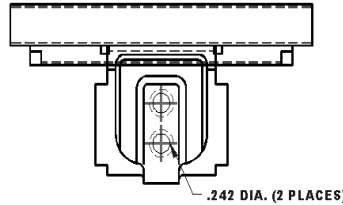
18" standard



## Panel Clip



END VIEW



| Rollfab MS 200 HP 16"                    |                                     |                                    |                             |                             |
|--|-------------------------------------|------------------------------------|-----------------------------|-----------------------------|
| 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<br>60" O.C.         | Leading & trailing<br>edges 24"    | "Field" of roof<br>60" O.C. | Leading & trailing roof 24" |
| 2" X 16" X 24 ga.                        | 43.5 psf                            | 101.5                              | 71.9 psf                    | 167.6 psf                   |

**AIR INFILTRATION:** Resistance to air infiltration: 0.004 cfm per lineal foot of joint when tested in accordance with ASTM 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 1646 at static test pressure differential at 20.00 psf.

## Wind Uplift/Load Span

|                                |            |            |            |            |            |            |            |
|--------------------------------|------------|------------|------------|------------|------------|------------|------------|
| Panel Span Feet                | <u>2.0</u> | <u>2.5</u> | <u>3.0</u> | <u>3.5</u> | <u>4.0</u> | <u>4.5</u> | <u>5.0</u> |
| Allowable Wind Uplift Pressure | 101.6      | 91.9       | 82.2       | 72.6       | 62.9       | 53.2       | 43.6       |

### 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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