

MODEL A850

8" Deep • Chevron Drainable Blade • Rain Resistant Extruded Aluminum Louver

STANDARD MATERIALS AND CONSTRUCTION

- FRAME:** .081" thick; 6063-T52/T6 extruded aluminum alloy
- BLADES:** .081" thick; 6063-T52/T6 extruded aluminum alloy
- ASSEMBLY:** Mechanically fastened
- SCREEN:** 1/2" x .051" flattened aluminum birdscreen
- FINISH:** Mill

OPTIONS

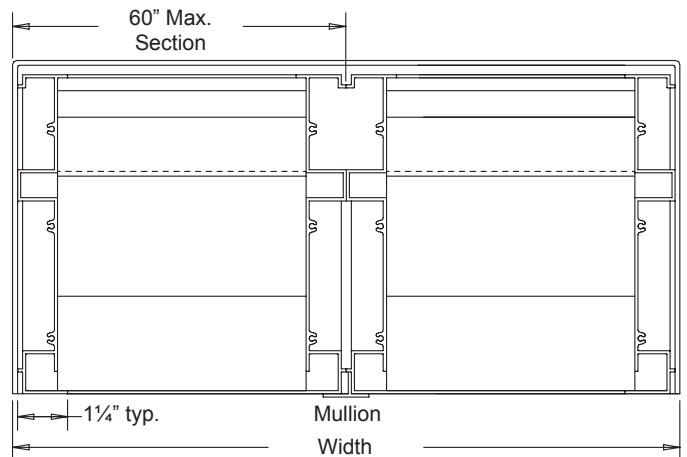
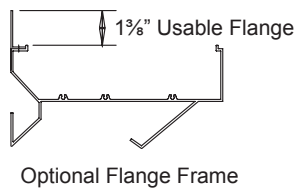
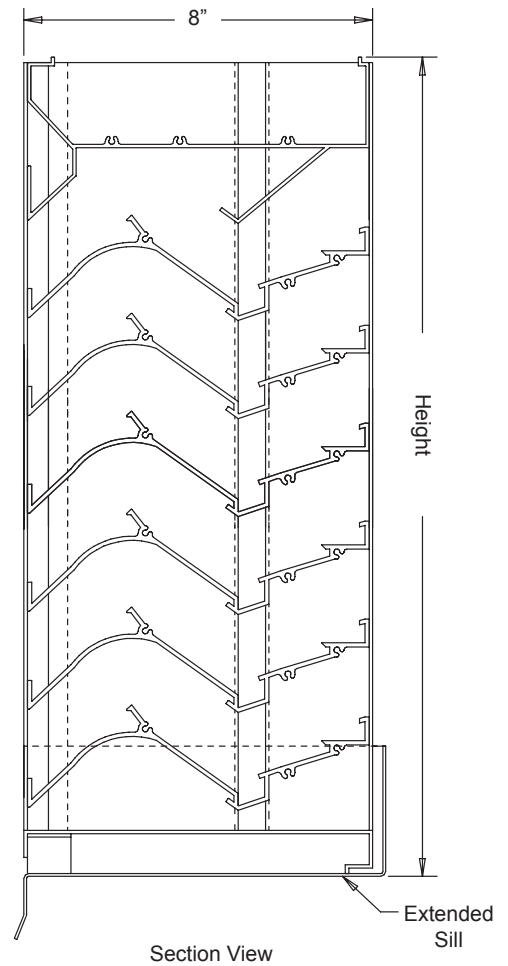
- Finish - Baked Enamel, Kynar, or Anodize
- Variety of Bird and Insect Screen
- 1 3/8" Usable Flange Frame (3 Sides Only)
- Welded Construction
- Blank-off Panels

NOTES

1. "A" width and "B" height are opening dimensions. Louvers are provided approximately 1/2" undercut.
2. Shipping weight approximately 9.0 lbs./sq.ft.

LOUVER SIZES

| Panels | Min Panel | Max Single Panel |
|--------|-------------|------------------|
| A850 | 12"W x 12"H | 30 sq.ft. |



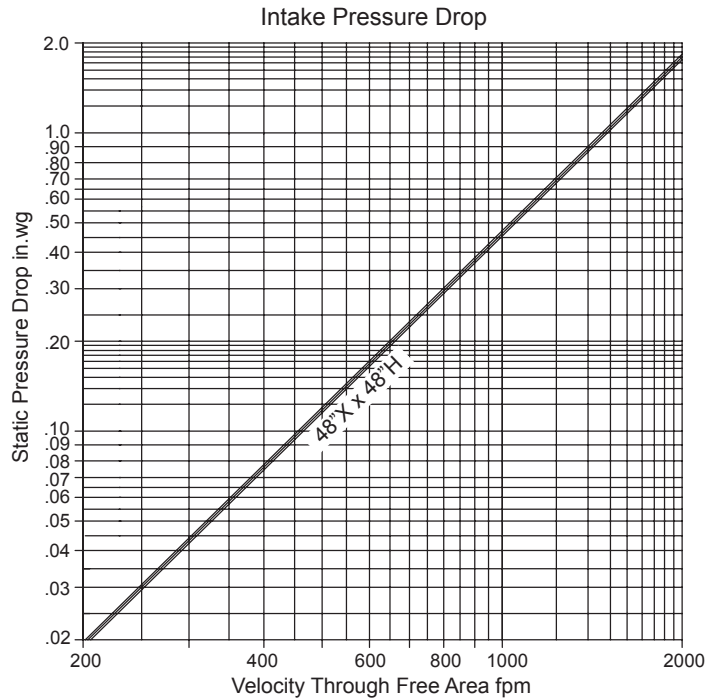
air balance

Dampers  Louvers
 UL Life Safety Products
 Division of Mestek
 Member of AMCA

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Water Penetration: 0.01 in.wg at 763 fpm free area velocity
 Pressure Drop: 0.50 in.wg at 1000 fpm and 5408 scfm
 Free Area: 9.01 sq.ft. = 56% for 48"W x 48"H test size



Free Area sq.ft.

| Height | Width | | | | | | | | | |
|--------|-------|------|------|-------|-------|-------|-------|-------|-------|--|
| | 12" | 18" | 24" | 30" | 36" | 42" | 48" | 54" | 60" | |
| 12" | 0.30 | 0.49 | 0.68 | 0.87 | 1.06 | 1.25 | 1.44 | 1.63 | 1.82 | |
| 24" | 0.83 | 1.36 | 1.89 | 2.42 | 2.95 | 3.48 | 4.01 | 4.54 | 5.07 | |
| 36" | 1.37 | 2.24 | 3.12 | 3.99 | 4.86 | 5.74 | 6.61 | 7.49 | 8.36 | |
| 48" | 1.86 | 3.05 | 4.24 | 5.43 | 6.62 | 7.82 | 9.01 | 10.20 | 11.39 | |
| 60" | 2.39 | 3.92 | 5.45 | 6.98 | 8.52 | 10.05 | 11.58 | 13.11 | 14.64 | |
| 72" | 2.93 | 4.80 | 6.68 | 8.55 | 10.43 | 12.30 | 14.18 | 16.05 | 17.92 | |
| 84" | 3.42 | 5.62 | 7.81 | 10.00 | 12.19 | 14.38 | 16.57 | 18.76 | 20.95 | |
| 96" | 3.96 | 6.49 | 9.02 | 11.55 | 14.08 | 16.61 | 19.14 | 21.67 | 24.20 | |

Wind Driven Rain Test Based on a Louver having a 39"W x 39"H Core Area

| Class | Effectiveness % | Maximum Allowed Penetration of Simulated Rain (gal/h/ft ²) | Free Area Velocity | cfm (48"W x 48"H) |
|-------|-----------------|--|--------------------|-------------------|
| A | 99 | 3" Rainfall and 29 mph Wind Velocity | 888fpm | 8000 cfm |

