

## MODEL AFL-D-4

## HIGH PERFORMANCE ADJUSTABLE LOUVER 4"

### STANDARD CONSTRUCTION:

#### FRAME:

.081 Extruded Aluminum 4.25" deep with standard 1.5" perimeter flange  
(Flange removal instructions included)

#### BLADES:

.081 Extruded Aluminum Positioned on a 30° angle  
on approximately 2.88" centers.

#### LINKAGE:

Jamb Linkage

#### BIRDSCREEN:

.50" X .050 Flattened Aluminum in Removable Frame.  
Screen is mounted on inside (rear) as looking from exterior of building.

#### OPERATOR:

Louvers without actuators will be supplied with Locking Quadrants

#### FINISH:

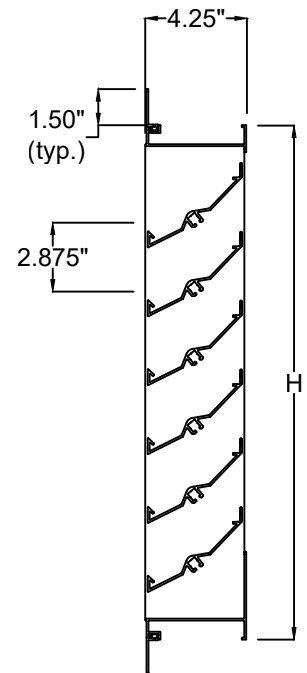
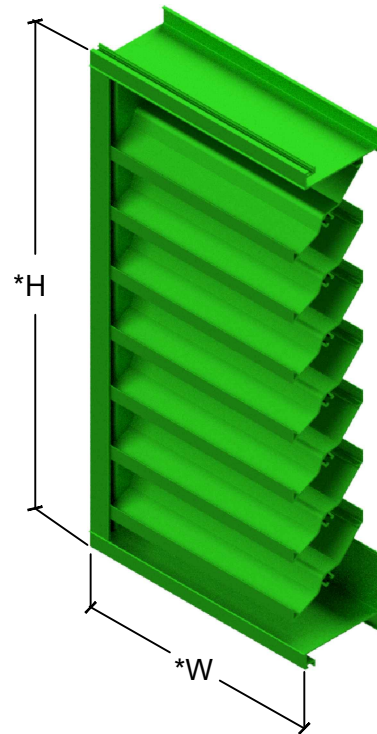
Mill Aluminum (Std.)

#### MINIMUM SIZE:

12"w x 12"h

#### MAXIMUM SIZE:

60"w x 96"h single section, Multiple louvers can be bolted together  
up to 120"w x 84" h or 84"w x 120"h. Factory assembled multi-section  
max: 108"w x 48"h. Larger sizes are field assembled.



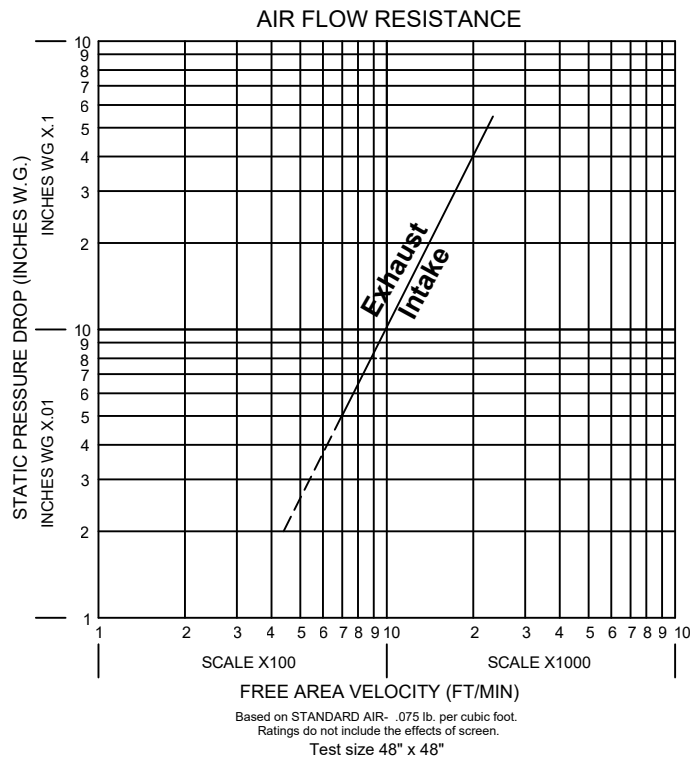
\*Width and Height dimensions are approximately 1/4" under listed size.



### MODEL AFL-D-4 (High Performance Adjustable Louver 4")

Due to continuing research, S&P reserves the right to  
change specifications without notice.

|           |            |            |          |           |
|-----------|------------|------------|----------|-----------|
| DRAWN BY: | DATE:      | REV. DATE: | REV. NO. | DWG. NO.: |
| CLJ       | APRIL 1998 | MARCH 2026 |          | A-25      |



## AFL-D-4 SPECIFICATION

Furnish and install louvers as hereinafter specified where shown on plans or as described in schedules. Louvers shall be adjustable drainable type with drain gutters in each blade and downspouts in jambs and mullions. adjustable drainable blades shall be contained within a 4.25" frame. Louver components (heads, jambs, sills, blades, and mullions) shall be factory assembled by the louver manufacturer. Louver sizes too large for shipping shall be built up by the contractor from factory assembled louver sections to provide overall sizes required. Louver design shall incorporate structural supports required to withstand a wind load of 30 lbs. Per sq. ft. (equivalent of a 110 mph wind).

Louvers shall be S&P AFL-D-4 6063-T6 extruded aluminum construction as follows:

- Frame: 4.25" deep, .081 nominal wall thickness.
- Blades: .081 nominal wall thickness. Drainable.
- Blades are positioned at 37-degree angle and spaced approximately 2.88 center to center.
- Screen: .50" x .050" (19 x 1.3) expanded, flattened aluminum in removable frame.
- Finish: Select finish specification from Finishes Brochure.

## PERFORMANCE DATA

The louver system should be designed with a reasonable safety factor for louver performance. To ensure protection from water carryover, design with a performance level somewhat below maximum desired pressure drop and .01 oz./sq.ft. of water penetration.

| Louver<br>Height<br>Inches | AFL-D-4 FREE AREA IN SQ. FT. |      |      |      |       |       |       |       |       | Louver<br>Height<br>Inches |
|----------------------------|------------------------------|------|------|------|-------|-------|-------|-------|-------|----------------------------|
|                            | Width - Inches               |      |      |      |       |       |       |       |       |                            |
|                            | Width                        |      |      |      |       |       |       |       |       |                            |
|                            | 12                           | 18   | 24   | 30   | 36    | 42    | 48    | 54    | 60    |                            |
| 12                         | 0.23                         | 0.36 | 0.50 | 0.64 | 0.78  | 0.92  | 1.06  | 1.20  | 1.34  | 12                         |
| 18                         | 0.45                         | 0.73 | 1.01 | 1.29 | 1.57  | 1.85  | 2.13  | 2.40  | 2.68  | 18                         |
| 24                         | 0.65                         | 1.04 | 1.44 | 1.84 | 2.23  | 2.63  | 3.03  | 3.43  | 3.82  | 24                         |
| 30                         | 0.80                         | 1.28 | 1.77 | 2.26 | 2.75  | 3.24  | 3.73  | 4.22  | 4.71  | 30                         |
| 36                         | 1.08                         | 1.74 | 2.40 | 3.07 | 3.73  | 4.39  | 5.05  | 5.72  | 6.38  | 36                         |
| 42                         | 1.21                         | 1.96 | 2.71 | 3.46 | 4.21  | 4.95  | 5.70  | 6.45  | 7.20  | 42                         |
| 48                         | 1.45                         | 2.35 | 3.24 | 4.14 | 5.03  | 5.93  | 6.82  | 7.71  | 8.61  | 48                         |
| 54                         | 1.65                         | 2.66 | 3.68 | 4.69 | 5.71  | 6.72  | 7.74  | 8.76  | 9.77  | 54                         |
| 60                         | 1.79                         | 2.89 | 4.00 | 5.10 | 6.20  | 7.31  | 8.41  | 9.51  | 10.61 | 60                         |
| 66                         | 2.07                         | 3.35 | 4.62 | 5.90 | 7.17  | 8.45  | 9.73  | 11.00 | 12.28 | 66                         |
| 72                         | 2.21                         | 3.57 | 4.93 | 6.29 | 7.65  | 9.02  | 10.38 | 11.74 | 13.10 | 72                         |
| 78                         | 2.47                         | 3.99 | 5.50 | 7.02 | 8.54  | 10.06 | 11.58 | 13.09 | 14.61 | 78                         |
| 84                         | 2.65                         | 4.27 | 5.90 | 7.53 | 9.16  | 10.79 | 12.42 | 14.04 | 15.67 | 84                         |
| 90                         | 2.79                         | 4.50 | 6.22 | 7.94 | 9.65  | 11.37 | 13.08 | 14.80 | 16.52 | 90                         |
| 96                         | 3.07                         | 4.96 | 6.85 | 8.74 | 10.63 | 12.53 | 14.42 | 16.31 | 18.20 | 96                         |

Beginning point of WATER PENETRATION  
is  
**1217 fpm**  
the maximum recommended FREE AREA VELOCITY

