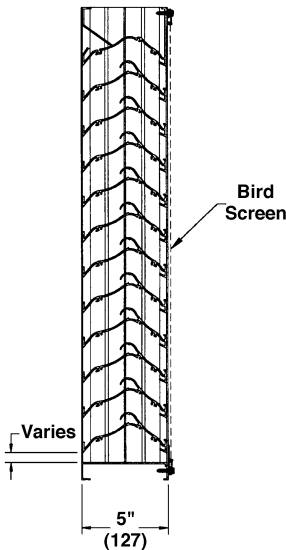
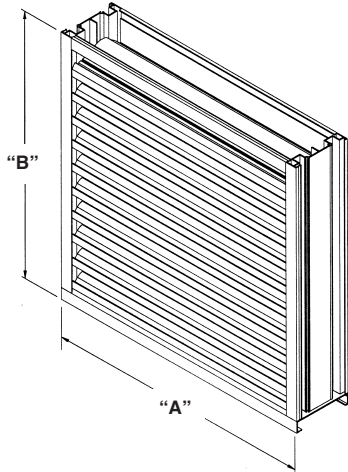




1300 ENTERPRISE ROAD GENEVA, ALABAMA 36340-0580 800-239-4621 FAX 1-800-508-1469 www.reliablelouvers.com

## 5DDWRG WIND-DRIVEN RAIN RESISTANT STATIONARY LOUVER EXTRUDED ALUMINUM



### STANDARD CONSTRUCTION

**FRAME**  
5" (127) deep, 6063T5 extruded aluminum with .081" (2.1) nominal wall thickness.

**BLADES**  
.062 (1.6) blades  
6063T5 extruded aluminum .063" (1.6) nominal wall thickness. Double drainable blades are sightproof and spaced approximately 2" (51) center to center.

**SCREEN**  
5/8" x .040" (16 x 1) expanded flattened aluminum bird screen in removable frame. Screen adds approximately 1/2" (13) to louver depth.

**FINISH**  
Mill.

**MINIMUM SIZE**  
12"w x 12"h (305 x 305).

**APPROXIMATE SHIPPING WEIGHT**  
7 lbs. per sq. ft. (34.2 kg/m<sup>2</sup>)

**MAXIMUM FACTORY ASSEMBLY SIZE**  
Single sections shall not exceed 120" x 90"h (3048 x 2286) or 90"w x 120"h (2286 x 3048). Louvers larger than the maximum single section size will require field assembly of smaller sections.

**SUPPORTS**  
Louvers may be provided with rear mounted blade supports that increase overall louver depth depending on louver size, assembly configuration or windload.

Consult Reliable for additional information.

### FEATURES

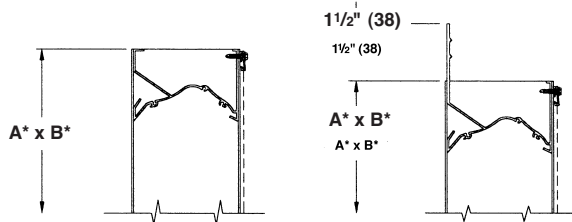
- Closely spaced horizontal blades minimize the penetration of wind-driven rain, reducing damage and additional operating expenses.
- Tested in the AMCA 5DD-L Wind-Driven Rain Penetration Test.
- Published performance ratings based on testing in accordance with AMCA Publication 511.
- 47% Free Area.
- Excellent pressure drop performance.
- Aluminum construction for low maintenance and high resistance to corrosion.

### VARIATIONS

- Extended sill.
- Hinged frame.
- Front or rear security bars.
- Filter racks.
- Installation angles.
- A variety of bird and insect screens.
- Selection of finishes: prime coat, baked enamel (modified fluoropolymer), epoxy, Pearledize 50 & 70, Kynar, clear and color anodize. (Some variation in anodize color consistency is possible).

Consult Reliable for other special requirements.

### FRAME CONSTRUCTION



**IMPACT RESISTANT LOUVER**  
Basic Protection

See www.AMCA.org for all certified or listed products

Reliable Products certifies that the 5DDWRG shown herein is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA Publications and comply with the requirements of the AMCA Listing Label Program.

The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers.

This label does not signify AMCA performance certification.

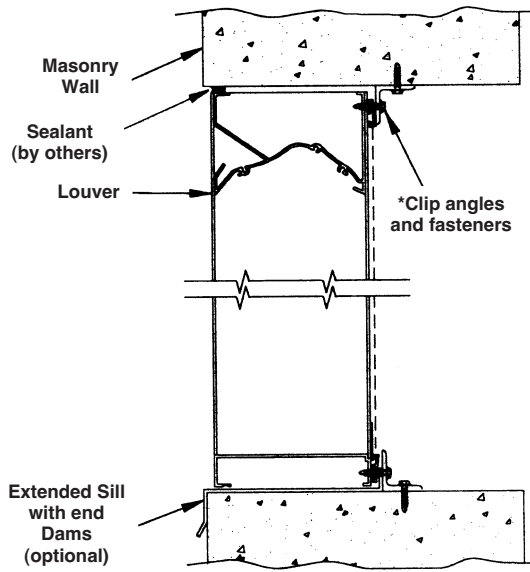
Dimensions in inches, parenthesis ( ) indicate millimeters.

\*Units furnished 1/4" (6) smaller than given opening dimensions.

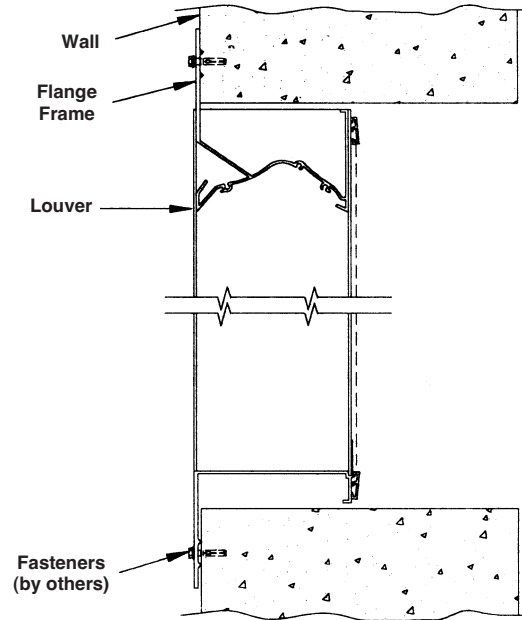
TAG	QTY.	SIZE		FRAME	VARIATIONS
		A*-WIDE	B*-HIGH		
<b>PROJECT ARCH./ENGR. REPRESENTATIVE</b>			<b>LOCATION CONTRACTOR DATE</b>		

**TYPICAL INSTALLATION DETAILS**

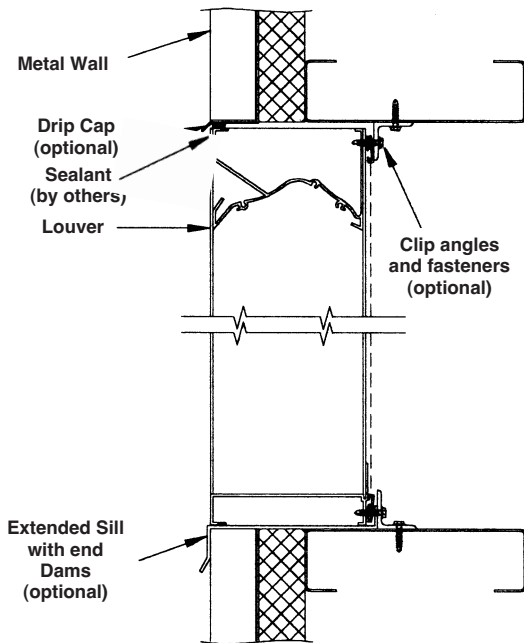
**Masonry Wall**



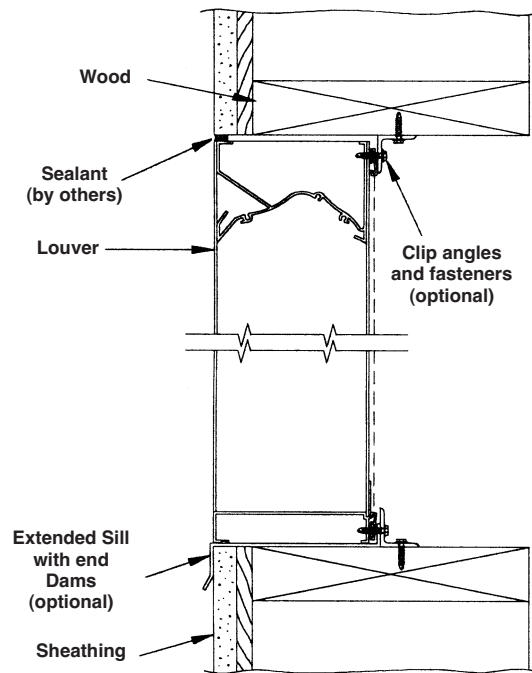
**Flange Mount**



**Metal Panel Wall**

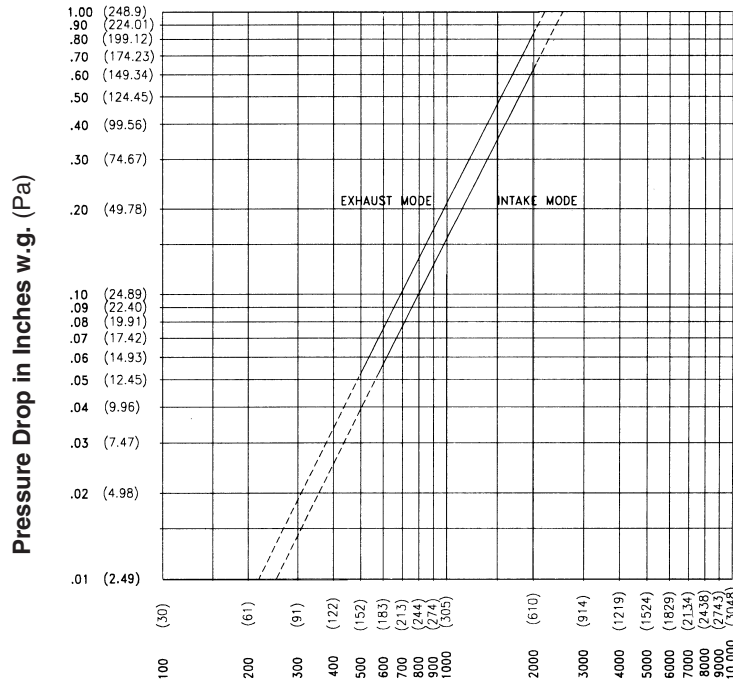


**Wood Installation**



**PRESSURE DROP**

Test size 48" wide x 48" high (1219 x 1219).



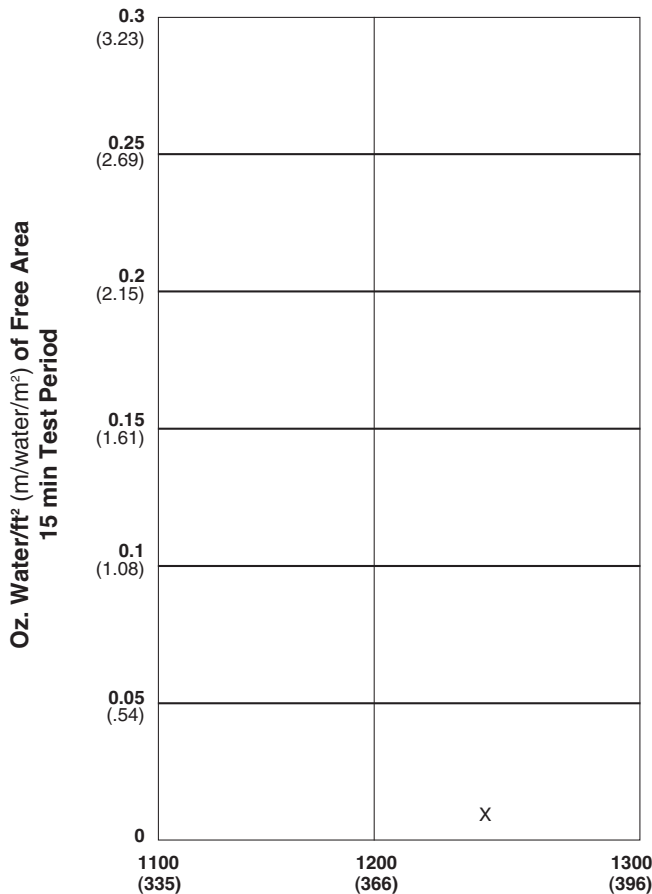
Ratings do not include the effect of a bird screen.

**Air Velocity in feet (meters) per minute through Free Area**  
(Data corrected to standard air density and AMCA figure tested to 5.5)

**WATER PENETRATION GRAPH**

Test size 48" x 48" (1219 x 1219)

Beginning point of water penetration at .01 oz./sq. ft. is above 1250 fpm (381 m/min.)



Reliable Products certifies that the louver shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to air performance ratings, water penetration ratings and wind driven rain ratings only.



5DDWRG

WIND-DRIVEN RAIN PERFORMANCE

Test size is 1m x 1m (39" x 39") core area, 1.04m x 1.12m (41" x 44") nominal. Free Area of test louver is 5.45 ft² (.51m²).

29 mph (47 kph) wind & 3" (76) per hour rain conditions

50 mph (80 kph) wind & 8" (203) per hour rain conditions

Table with 6 columns: Core Velocity, Airflow cfm, Free Area Velocity, Effectiveness Ratio, Class, Discharge Loss Class. Rows show performance data for wind speeds from 0 to 98 mph.

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NOTES

- 1. Core area is the open area of the louver face...
2. Free Area of test size is calculated per AMCA standard 500-L.
3. Wind Driven Rain Penetration Classes:

Table mapping Class (A, B, C, D) to Effectiveness ranges.

4. Intake Discharge Loss Class 2

Discharge Loss Coefficient is calculated by dividing a louvers' actual airflow rate vs. a theoretical airflow for the opening. It provides an indication of the louvers' airflow characteristics.

Discharge Loss Classes:

Table mapping Class (1-4) to Discharge Loss Coefficient ranges.

(The higher the coefficient, the less resistance to airflow.)

5. The AMCA Wind Driven Rain Test is performed in a laboratory environment and incorporates controlled wind, water and system airflow effects. In actual field installations, storms may create conditions not considered by the AMCA test.

FREE AREA GUIDE

Free Area Guide shows free area in ft² and m² for various sizes of 5DDWRG. Width – Inches and Meters

Large grid table showing Free Area Guide values for various sizes of 5DDWRG, with columns for width in inches and meters, and rows for height in inches and meters.