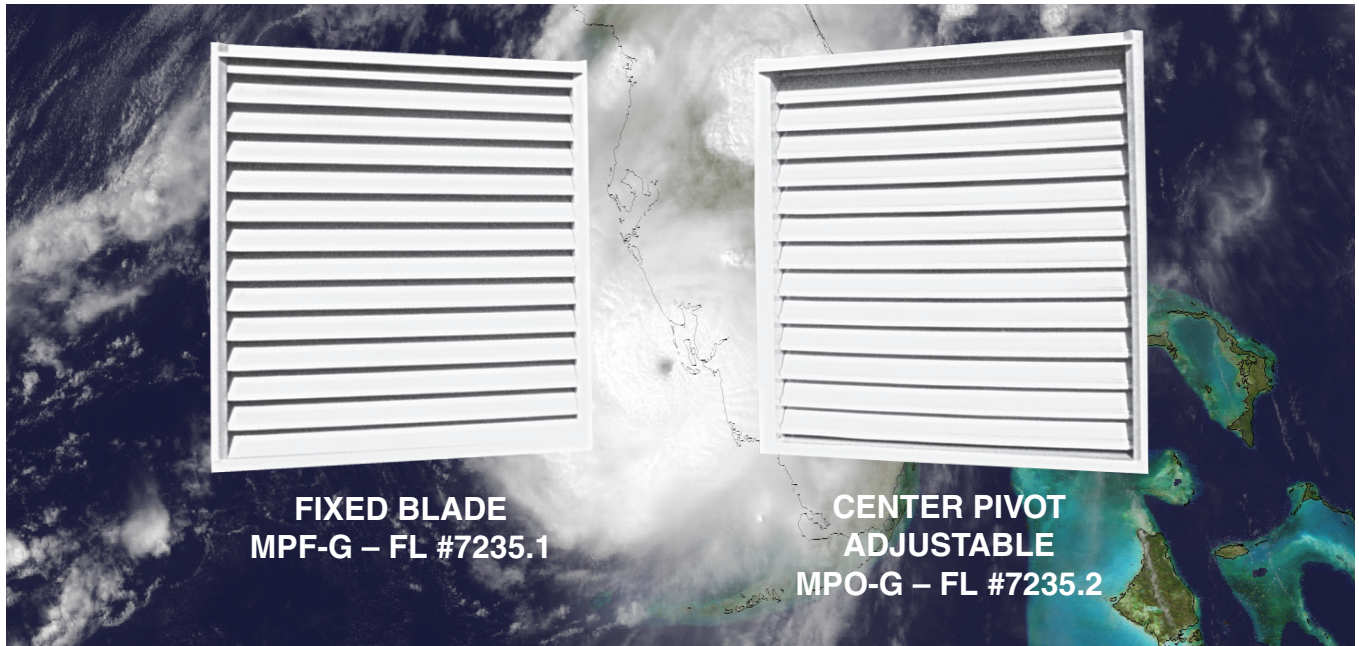




FLORIDA APPROVED WALL LOUVERS



Performance testing was conducted by Architectural Testing Inc. on the MPO-G Adjustable Center Pivot Wall Louver (ATI 61244.01-801-44) and MPF-G Stationary Wall Louver (ATI 61245.01-801-44).

Test Methods: The test specimen was evaluated in accordance with the following:

ASTM E 330-97e1, *Test Method for Structural Performance of Exterior Windows, Walls, Curtain Walls and Doors by Uniform Static Air Pressure Difference*

ASTM E 1886-02, *Standard Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials. (Impact test only.)*

The following definitions are assumed for evaluating the results of the design wind pressure analyses:

Florida Building Code 2004 – Building

Exposure C. Means, except in the high-velocity hurricane zone, that area which lies within 1,500 feet (46 m) of the coastal construction control line, or within 1,500 feet (46 m) of the mean tide line, whichever is less. On barrier islands, exposure category C shall be applicable in the coastal building zone set forth in Section 161.55(4), Florida statutes.

2003 International Building Code, Florida Building Code 2004 – Building and ASCE 7-02

Exposure B. Urban and Suburban areas, wooded areas or other terrain with numerous closely spaced obstructions having the size of single-family dwellings or larger. Exposure B shall be assumed unless the site meets the definition of another type of exposure.

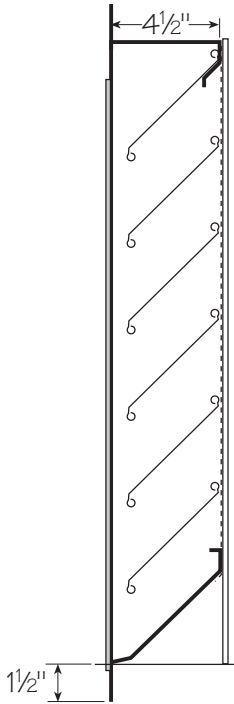
Exposure C. Open terrain with scattered obstructions, including surface undulations or other irregularities, having heights generally less than 30 feet (9144 mm) extending more than 1,500 feet (457.2 mm) from the building site in any quadrant. This exposure shall also apply to any building located within Exposure B-type terrain where the building is directly adjacent to open areas of Exposure C-type terrain in any quadrant for a distance of more than 600 feet (182.9 m). This category includes flat open country, grasslands and shorelines in hurricane-prone regions.

Enclosed Building. A building that does not comply with the requirements for open or partially enclosed buildings.

Mean Roof Height. The average of the roof eave height and the height to the highest point on the roof surface, except that eave height shall be used for roof angle of less than or equal to 10 degrees (0.1745 rad).

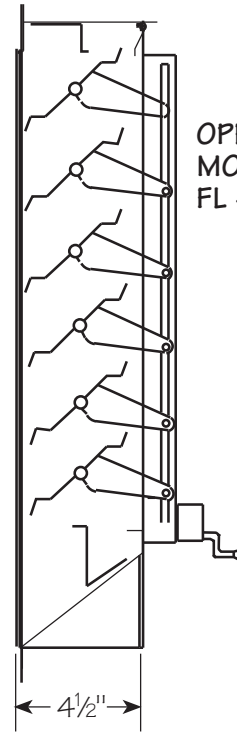
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VERTICAL CROSS SECTION DETAIL



**FIXED BLADE
MODEL MPF-G
FL #7235.1**

- **Frame:** 18 gauge galvanized steel 4-1/2 inch deep 1-1/2 inch flat flange.
- **Finish:** Louvers can be painted to match pre-selected colors by manufacturer. Standard paint is an electrostatically-applied polyester paint, 2 mil thick and then oven baked finish.
- **Insect and Bird screen:** 18/16 or Birdscreen is available.
- **Blades:** 18 gauge galvanized steel. 45° blades, 4" depth, riveted. 55% free area.



**OPERABLE BLADES
MODEL MPO-G
FL #7235.2**

- **Frame:** 18 gauge galvanized steel 4-1/2 inch deep 1-1/2 inch flat flange.
- **Finish:** Louvers can be painted to match pre-selected colors by manufacturer. Standard paint is an electrostatically-applied polyester paint, 2 mil thick and then oven baked finish.
- **Insect and Bird screen:** 18/16 or Birdscreen is available.
- **Blades:** 18 gauge galvanized roll-formed steel. Blade edge seals installed for maximum sealing. 55% free area.
- **Blade Operators:** Twin link brackets plated steel assembled with double brass pivot and set screw.
- **Connecting Rod:** 1/4" zinc plated steel.
- **Operator:** Standard operator is by a reinforced cast aluminum hand crank. OPTIONAL: Motorized operator; or chain operator of #35 sash chain, with plastic-coated chain pull handle.

Wall Zone	Exposure Category	Roof Height (ft)	Design Pressure (psf)	Basic Wind Speed (mph)
4	B	60	-52.3	150
	C	60	-69.5	150
5	B	60	-63.6	150
	C	60	-84.4	150

MPF-G Stationary Wall Louver (DP = -87.5 psf) Size Tested - 48" x 48"

Wall Zone	Exposure Category	Roof Height (ft)	Design Pressure (psf)	Basic Wind Speed (mph)
4	B	60	-52.3	150
	C	60	-69.5	150
5	B	60	-63.6	150
	C	60	-84.4	150

MPO-G Center Pivot Wall Louver (DP = -127.5 psf) Size Tested - 48" x 48"

Notes:

1. In all cases, buildings using these products are assumed "Enclosed Buildings"
2. Products shall not be used in State of Florida High Velocity Hurricane Zones
3. Installation shall conform to tested installation and manufacturer's requirements
4. Reported values are for uplift and negative loads
5. A Factor of Safety of 2.0 has been applied to static load test results
6. Reported Basic Wind Speeds are for 3-second gust condition

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