
FEMA GRILLE AFG801 - RECOMMENDED SPECIFICATION**GENERAL**

Furnish and install where indicated on plans or described in schedules FEMA Louver Type AFG801 as designed and manufactured by The Airlite Company LLC, Schofield, Wisconsin. Louvers shall be UL Listed and complies with FEMA 320 and 361. Furnish louvers with bird screen, installation hardware and finishes as specified and as required for a complete installation.

SUBMITTALS

Manufacturer shall submit shop drawings incorporating key plans, elevations, sections and details showing profiles, angles and spacing of louver blades and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. For each type of product specified, submit free area, Provide samples of manufacturer's finish and color charts showing the standard colors available.

PRODUCTS

Louvers shall be FEMA Louver Type AFG801 with visible mullions and shall be UL Listed. Louvers shall be 8-inches (203 mm) deep and assembled entirely from cold rolled steel components. Blades and frames shall be 0.25-inch (6.35 mm) thick cold rolled steel. Blades shall be horizontal, inverted-V-type.

ALL-WELDED ASSEMBLY

Louver blades shall be joined to each jamb frame with two fillet welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process. Each weld shall be a minimum of 1-inch (25.4 mm) in length with a minimum 1/8-inch (3.18 mm) leg. Frames shall be joined at each corner with a full-length GMAW fillet weld with a minimum 1/8-inch (3.18 mm) throat.

STRUCTURAL DESIGN CRITERIA

Manufacturer shall design and furnish all supports required to with-stand a wind force of not less than 248 pounds per square foot and comply with FEMA 320 and 361 storm shelter and safe room standards (ICC 500) for debris impact. Louvers, with a jamb mount, larger than 120-inches (305 cm) wide x 76-inches (193 cm) high or 76-inches (193 cm) wide x 120-inches (305 cm) high will be fabricated and installed in multiple sections. Louvers, with a head and sill mount, larger than 108-inches (274 cm) wide x 76-inches (193 cm) high or 76-inches (193 cm) wide x 120-inches (305 cm) high will be fabricated and installed in multiple sections. Louver blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

FREE AREA:

9.49 Square Feet (0.88 m²)