

SCH601MDE - RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules Storm Class[™] Louver Type SCH601MDE as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Louvers shall be Florida Building Code approved for use in the High Velocity Hurricane Zone and Miami-Dade approved for installations where the enclosed space is designed to drain or otherwise accommodate water penetration (wet rooms). Louvers shall be furnished with bird screen, insect screen, sill pans, supports 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, air performance, water penetration and wind-driven rain water penetration ratings determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program. Include Miami-Dade Notice of Acceptance to demonstrate compliance with applicable code. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

PRODUCTS

Louvers shall be Florida Building Code and Miami-Dade Approved Storm Class[™] Louver Type SCH601MDE. Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from extruded aluminum components. Louver blades and frames shall be 0.081-inch (2 mm) thick aluminum, alloy 6063-T5. Blades shall be horizontal, inverted V-type with center hook and spaced approximately 2-inches on center.

STRUCTURAL DESIGN CRITERIA

Louvers shall be certified to comply with the requirements of Miami- Dade protocols TAS-201, TAS-202 and TAS-203 and Miami-Dade approved for building envelope protection for single unit sizes up to 4-feet wide x 4-feet high. In addition, louvers shall pass AMCA 540 Test Method for Louvers Impacted by Wind Borne Debris (Basic Protection, Missile Level D and Enhanced Protection, Missile Level E). Louvers shall be tested for wind forces up to 150 psf. Louvers must be secured to a structural substrate in accordance with Dade County Product Approval Drawings. In addition, the structural substrate must be designed to accommodate the point loads transferred by the louvers when subject to the design wind loads.

PERFORMANCE RATINGS

| | |
|--|---|
| FREE AREA: | 7.58 Square Feet (0.70 m ²) |
| MINIMUM FREE AREA VELOCITY | |
| at Beginning Point of Water Penetration: | 1,250 fpm (6.50 m/s) |
| MINIMUM AIR VOLUME FLOW RATE | |
| at Beginning Point of Water Penetration: | 9,475 cfm (4.47 m ³ /s) |
| MAXIMUM STATIC PRESSURE | |
| at Beginning Point of Water Penetration: | 0.32 in. H ₂ O (0.081 kPa) |