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**SCC901MD - RECOMMENDED SPECIFICATION****GENERAL**

Furnish and install where indicated on plans or described in schedules Storm Class<sup>™</sup> Louver Type SCC901MD as designed and manufactured by The Aiolite Company LLC, Schofield, Wisconsin. Louvers shall be furnished with bird screen, insect screen, supports, 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 areas, air performance, water penetration and wind driven rain ratings determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program, as well as tested in accordance with AMCA 540 Test Method for Louvers Impacted by Wind Borne Debris and AMCA 550 Test Method for High Velocity Wind Driven Rain. Include Florida Product Approval or Miami-Dade Notice of Acceptance to demonstrate compliance with applicable building code. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

**PRODUCTS**

Louvers shall be Storm Class<sup>™</sup> type and rated to resist water penetration under wind-driven rain conditions. Louvers shall be 9.25-inches (235.3 mm) deep and assembled from extruded aluminum components. Exterior blades and frames shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6063-T5. Interior blades shall be 0.060-inch (1.5 mm) extruded aluminum, alloy 6063-T5. Exterior blades shall be horizontal and spaced 4.5-inches (114.3 mm) on center.

**STRUCTURAL DESIGN CRITERIA**

Louvers shall be tested in accordance with Florida protocols TAS 201, TAS 202 and TAS 203. Maximum actual single section size shall be limited to 60-inch W x 120-inch H. Louvers must be installed in accordance with the manufacturer's published installation instructions. Multi-wide assemblies shall be permitted without any additional reinforcing provided the rough opening height is 120 3/4-inch or less. Multi-high assemblies shall be permitted provided suitable loading bearing structure is provided (not by louver manufacturer) at each louver section(s) head and sill condition so that the louver section(s) may be installed in accordance with the manufacturer's published installation instructions.

**PERFORMANCE RATINGS**

FREE AREA: 8.66 Square Feet (0.80 m<sup>2</sup>)

**MINIMUM FREE AREA VELOCITY**

at Beginning Point of Water Penetration: 974 fpm (4.95 m/s)

**MINIMUM AIR VOLUME FLOW RATE**

at Beginning Point of Water Penetration: 8,435 cfm (3.98 m<sup>3</sup>/s)

**PRESSURE DROP**

at Beginning Point of Water Penetration: 0.32 in. H<sub>2</sub>O (0.08 kPa)