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**SCC550MD - RECOMMENDED SPECIFICATION****GENERAL**

Furnish and install where indicated on plans or described in schedules Storm Class<sup>™</sup> (TM) Louver Type SCC550MD as designed and manufactured by The Airlite Company LLC, Schofield, Wisconsin. Louvers shall be Florida Building Code and Miami-Dade approved for use where the room behind the louver is NOT designed to drain water penetrating into the room or the room will house non-water resistant or water proof equipment, components or supplies. 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 5.5-inches (139.7 mm) deep and assembled entirely from extruded aluminum components. Exterior blades and frames shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6005-T5. Interior blades shall be 0.050-inch (1.27 mm) extruded aluminum, alloy 6005-T5. Exterior blades shall be horizontal and spaced 1.9-inches (48 mm) on center.

**STRUCTURAL DESIGN CRITERIA**

Louvers shall be tested in accordance with Florida protocols TAS 201, TAS 202 and TAS 203. Maximum single section size shall be limited to 60-inches (152 cm) W x 96-inches (244 cm) H. Louvers must be installed in accordance with the manufacturer's published installation instructions. Multiwide assemblies do not require any additional reinforcing provided the rough opening height is 96-inches or less. Structural reinforcing members along with any associated installation hardware or anchors is not provided by Airlite unless indicated otherwise by Airlite. Options are not subject to structural analysis unless indicated otherwise by Airlite.

**PERFORMANCE RATINGS**

FREE AREA: 8.02 Square Feet (0.75 m<sup>2</sup>)

**MINIMUM FREE AREA VELOCITY**

at Beginning Point of Water Penetration: 1,083 fpm (5.5 m/s)

**MINIMUM AIR VOLUME FLOW RATE**

at Beginning Point of Water Penetration: 8,686 cfm (4.10 m<sup>3</sup>/s)

**PRESSURE DROP**

at Beginning Point of Water Penetration: 0.44 in. H<sub>2</sub>O (0.109 kPa)