

## SCC550 - RECOMMENDED SPECIFICATION

### GENERAL

Furnish and install where indicated on plans or described in schedules Storm Class<sup>™</sup> Louver Type SCC550 as designed and manufactured by The Airolite 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. 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 5.50-inches (139.7 mm) deep and assembled from extruded aluminum components. Exterior blades and frames shall be 0.050-inch (1.27 mm) thick extruded aluminum, alloy 6005-T5. Interior blades shall be 0.081-inch (2.06 mm) extruded aluminum, alloy 6005-T5. Exterior blades shall be horizontal and spaced 1.9-inches (48 mm) on center.

### STRUCTURAL DESIGN CRITERIA

Maximum single section size for model SCC550 is 60 inches (152 cm) wide by 96 inches (244 cm) high. Larger openings require field assembly of multiple louver sections to make up the overall opening size. Individual louver sections shall be designed to withstand a 25 PSF wind. Structural reinforcing members may be required to adequately support and install multiple louver sections within a large opening.

### PERFORMANCE RATINGS

FREE AREA:	8.02 Square Feet (0.75 m <sup>2</sup> ) 50%
MINIMUM FREE AREA VELOCITY at Beginning Point of Water Penetration:	1,083 fpm (5.50 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)