SCV660MD - RECOMMENDED SPECFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules vertical blade Louver Type SCV660MD (with optional VCD-40 damper) as designed and manufactured by The Airolite 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 nonwater 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 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 , 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 code. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

PRODUCTS
Louvers shall be vertical blade Louver Type SCV660MD with visible mullions. Louvers shall also be Florida Building Code and Miami-Dade Approved. Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from extruded aluminum components. Blades shall be 0.063- inch (1.60 mm) and frames shall be 0.095-inch (2.41 mm) thick aluminum, alloy 6063-T5. Blades shall be vertical, V-type with center hook and spaced 0.75-inches 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 4-feet wide x 10-feet high. Louvers shall be tested for wind forces up to 150 psf (7.2 kPa). 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:	7.29 Square Feet (0.68 m^2)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	1,250 fpm (6.35 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	9,112 cfm (4.30 m^3/s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.18 in H_2O (0.4 kPa)