

SCV501MD - RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules vertical blade Louver Type SCV501MD 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 vertical blade Louver Type SCV501MD with visible mullions. Louvers shall also be Florida Building Code and Miami-Dade Approved. Louvers shall be 5-inches (127 mm) deep and assembled entirely from extruded aluminum components. Blades shall be 0.063-inch (1.60 mm) and frames shall be 0.081-inch (2.06 mm) thick aluminum. Blades shall be vertical, V-type with center hook and spaced on 1.5 inch (38.1 mm) centers.

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 72-inch W x 120-inch H or 120 inch W x 72 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-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:	8.77 Square Feet (0.81 m ²)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	above 1,250 fpm (6.35 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	10,963 cfm (5.17 m ³ /s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.29 in. H ₂ O (0.07 kPa)