K6746PD - RECOMMENDED SPECFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules drainable Louver Penthouse K6746PD as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Louver penthouses shall be Florida Building Code approved for use in the High Velocity Hurricane Zone and Miami-Dade approved for installations where the enclosed space is designed to drain or otherwise accommodate water penetration (wet rooms). Louver penthouses shall be furnished with bird screen, insect screen, sill pans, 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 penthouse blades and frames; unit dimensions related to construction; and, anchorage details and locations. For each type of product specified, submit free area, air performance, and water penetration ratings based on the performance of Louver Type K6746. Include 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
Louver penthouses shall be drainable Louver Penthouse K6746PD with visible mullions. Louver penthouses shall also be Florida Building Code and Miami-Dade Approved. Louver penthouses shall be 6-inches (152.4 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.081-inch (2 mm) thick aluminum, alloy 6063-T5. Blades shall be drainable and spaced approximately 4-inches on center.

STRUCTURAL DESIGN CRITERIA
Louver penthouses shall be certified to comply with the requirement of Miami-Dade protocols TAS-201, TAS-202 and TAS-203 and Miami-Dade approved for building envelope protection for single unit sizes up to a max throat size of 84 inches wide x 108 inches long and a max height of 84 inches, for wet room protection. Louver penthouses shall be tested for wind forces up to 115 psf. Louver penthouses 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 louver penthouses when subject to the design wind loads.

PERFORMANCE RATINGS

FREE AREA:	9.41 Square Feet (0.88 m2)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	1,077 fpm (5.47 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	10,135 cfm (4.78 m3/s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.15 in. H2O (0.037 kPa)