

K6746X - RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules drainable Louver Type K6746X 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 certified reports demonstrating that Louver Type K6746X is tested by UL Laboratories Inc in accordance with ASTM E330-02, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls by Uniform Static Air Pressure Difference, to a maximum wind design load of +/- 200 psf (9.6 kPa) in compliance with the Florida Building Code. 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. Provide samples of manufacturer's finish and color charts showing the full range of colors available. For each type of product specified, submit free area, air performance and water penetration ratings determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program.

PRODUCTS

Louvers shall be drainable Louver Type K6746X with visible vertical mullions. Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.081-inch (2.0 mm) thick extruded aluminum, alloy 6063-T5. Blades shall be stationary, incorporate drainable gutters, and be spaced 4-inches (101.6 mm) on center. Jamb frames shall incorporate drainable gutters to ensure resistance to water penetration.

STRUCTURAL DESIGN CRITERIA

Manufacturer shall design and furnish all supports required to withstand wind forces in accordance with the Florida Building Code. Louvers larger than 84-inches (213 cm) wide x 120-inches (305 cm) high or 120-inches (305 cm) wide x 84-inches (213 cm) high will be fabricated and installed in multiple sections. Louver blades, frames, mullions and anchorages shall be demonstrated to withstand the specified wind design load.

PERFORMANCE RATINGS

FREE AREA:	9.41 Square Feet (0.88 m ²)
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 m ³ /s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.15 in. H ₂ O (0.037 kPa)