T6786E - RECOMMENDED SPECIFICATION

GENERAL

Furnish and install where indicated on plans or described in schedules adjustable blade drainable Louver Type T6786E as designed and manufactured by The Airolite Company LLC, Schofield, Wisconsin. Louvers shall be furnished with bird screen, insect screen, electric motor actuators, supports 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. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

PRODUCTS

Louvers shall incorporate adjustable drainable blades and enclosed electric motor in a single frame. Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from aluminum components. The motor actuator housing shall be supplied with a removable cover plate accessible from the interior of the louver. Adjustable blades shall be 0.081-inch (2 mm) extruded aluminum, alloy 6063-T5. Frames shall be 0.125-inch (3 mm) extruded aluminum, alloy 6063-T5. The louver blades, head and jamb frames shall incorporate integral gutters to minimize water penetration. When open, the adjustable blades shall be positioned at 45-degrees and spaced 6.5-inches (165.1 mm) on center. Adjustable blades may be fitted with dual-durometer vinyl blade-edge gaskets and compressible jamb seals to resist air leakage and water penetration when the adjustable blades are closed. The blade linkage assembly shall be fully-enclosed within the louver jamb frame and isolated from the active airstream.

STRUCTURAL DESIGN CRITERIA

Louvers and any supports required shall be designed and furnished by the manufacturer to withstand a wind force of not less than 25 pounds per square foot. Louvers larger than 60-inches (152 cm) wide x 96-inches (244 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:	6.44 Square Feet (0.599 m^2)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	1,007 fpm (5.115 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	6,485 cfm (3.064 m^3/s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.14 in. H_2O (0.035 kPa)