K606/CB606- RECOMMENDED SPECFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules drainable Louver Type K606 (or CB606) 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 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 and air performance ratings as determined in accordance with AMCA Standard 500-L and each product shall be licensed under the AMCA Certified Ratings Program.

PRODUCTS
Louvers shall be architectural blade Louver Type K606 with visible vertical mullions (or Louver Type CB606 with concealed vertical mullions). Louvers shall be 6-inches (152 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.081-inch (2 mm) thick extruded aluminum, alloy 6063-T5. Blades shall be stationary, horizontal and spaced 6.5-inches (165 mm) on center.

OPTIONAL WELDED ASSEMBLY
Join stationary blade, head and jamb frames with fillet welds concealed from view. Louver blades shall be joined to each jamb frame with a minimum of two 0.5-inch (13 mm) long fillet welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process. Frames shall be joined at each corner with a minimum of two 0.5-inch (13 mm) long fillet welds.

STRUCTURAL DESIGN CRITERIA
Manufacturer shall design and furnish all supports required to withstand a wind force of not less than 25 pounds per square foot. Louvers 120-inches wide x 84-inches high (3048 mm x 2134 mm) or 84-inches wide by 120-inches high (2134 mm x 3048 mm) 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:	8.56 Square Feet (0.80 m^2)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	739 fpm (3.75 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	6,326 cfm (2.99 m^3/s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.090 in. H_2O (0.022 kPa)