6096/FCB6096 - RECOMMENDED SPECFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules Louver Type 6096 (or FCB6096) 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 descriptions related to wall openings and construction; and, anchorage details and locations. Provide samples of manufacturer's finish and color charts showing the fully range of colors available. For each type of product specified, submit free area, air performance, and water penetration ratings. Performance ratings shall be determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program.

PRODUCTS
Louvers shall be architectural blade Louver Type 6096 with visible vertical mullions (or Louver Type FCB6096 with concealed vertical mullions). Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from galvanized steel components. Blades shall be 20 gauge (1.01 mm) galvanized steel and frames shall be 16 gauge (1.52 mm) galvanized steel. Blades shall be stationary, horizontal and spaced 5.5-inches (139.7 mm) on center.

OPTIONAL WELDED ASSEMBLY
Join stationary blade, head and jamb frames with fillet welds concealed from view, unless the size of the louver makes bolted connections between louver sections necessary. Louver blades shall be joined to each jamb frame with a minimum of two fillet welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process. Each weld shall be a minimum of 1-inch (25.4 mm) in length with a minimum 1/8-inch (3.175 mm) leg. Frames shall be joined at each corner with a full-length GMAW fillet weld with a minimum 1/8-inch (3.175 mm) leg.

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 larger than 60-inches wide x 96-inches 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:	7.57 Square Feet (0.70 m^2)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	896 fpm (4.55 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	6,783 cfm (3.20 m^3/s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.15 in. H_2O (0.038 kPa)