K6856/CB6856 - RECOMMENDED SPECIFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules dual-drainable Louver Type K6856 as designed and manufactured by The Airolite Company LLC, Marietta, Ohio. 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 shall be determined in accordance with AMCA Standard 500-L and licensed under the AMCA Certified Ratings Program.

PRODUCTS
Louvers shall be dual-drainable Louver Type K6856. Louvers shall be 6-inches (152.4 mm) deep and assembled entirely from extruded aluminum components. Blades and frames shall be 0.081-inch (2.06 mm) thick extruded aluminum, alloy 6063-T5. Blades shall be stationary, incorporate two drain-able gutters, and be spaced 6.5-inches (165.1 mm) on center. Where openings exceed maximum louver section sizes, louvers shall be made in multiple sections with recessed vertical mullions incorporating two gutters to achieve maximum water-carrying capacity.

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 (100 mph). Louvers larger than 84-inches wide x 120-inches high or 120-inches wide x 84-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:	7.91 Square Feet (0.73 m^2)
MINIMUM FREE AREA VELOCITY	
at Beginning Point of Water Penetration:	1,065 fpm (5.41 m/s)
MINIMUM AIR VOLUME FLOW RATE	
at Beginning Point of Water Penetration:	8,424 cfm (3.949 m^3/s)
MAXIMUM STATIC PRESSURE	
at Beginning Point of Water Penetration:	0.15 in. H_2O (0.038 kPa)