

## **6776/FCB6776 - RECOMMENDED SPECIFICATION**

### **GENERAL**

Furnish and install where indicated on plans or described in schedules Louver Type 6776 (or FCB6776) 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, air performance, 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 drainable Louver Type 6776 with visible vertical mullions (or Louver Type FCB6776 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, incorporate drainable gutters, and be spaced 5.5-inches (139.7 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 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:                               | 8.15 Square Feet (0.76 m <sup>2</sup> ) |
| MINIMUM FREE AREA VELOCITY               |   |
| at Beginning Point of Water Penetration: | 948 fpm (4.81 m/s)                      |
| MINIMUM AIR VOLUME FLOW RATE             |   |
| at Beginning Point of Water Penetration: | 7,726 cfm (3.65 m <sup>3</sup> /s)      |
| MAXIMUM STATIC PRESSURE                  |   |
| at Beginning Point of Water Penetration: | 0.18 in. H <sub>2</sub> O (0.045 kPa)   |