ASL401 - RECOMMENDED SPECFICATION

GENERAL
Furnish and install where indicated on plans or described in schedules Louver Type ASL401 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. For each type of product specified, submit free area, Provide samples of manufacturer's finish and color charts showing the standard colors available.

PRODUCTS
Louvers shall be ASL401 with visible mullions. Louvers shall be 4-inches (101 mm) deep and assembled entirely from galvanized steel components. Blades and frames shall be 18 gauge galvanized steel. Blades shall be vertical, sightproof.

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 (152 cm) wide x 96-inches (244 cm) high or 96-inches (244 cm) wide x 60-inches (152 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:	4.28 Square Feet (0.40 m^2)
SAND REMOVAL EFFICIENCY:	100% at 250 fpm
AIRFLOW RESISTANCE:	0.50 in. wg at 300 fpm