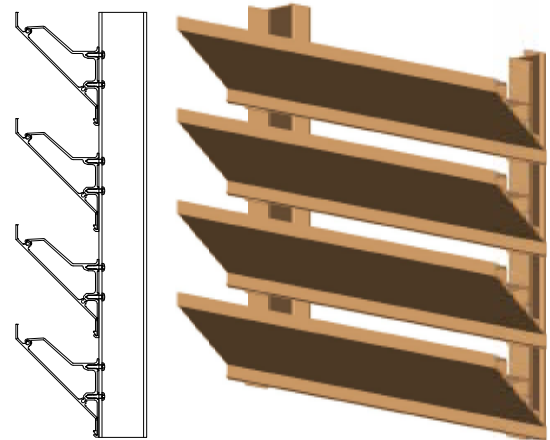


ARCHITECTURAL LOUVER SCREEN

Concealed Mullion Louver Screen	ENCB609
Material	Extruded Aluminum (Alloy 6063-T5)
Stationary Blade	0.081 in. (2.06 mm)
Vertical Support	Extruded Aluminum Z-Support
Louver Screen Depth	4 in. (101.6 mm)
Free Area – 4 ft. x 4 ft. Unit	8.23 sq. ft. (0.76 sq m)
Percent Free Area	51.4%



RECOMMENDED SPECIFICATION

Aiolite Louver Screen Type ENCB609 is a versatile, inverted, horizontal blade, 4-inch (101.6 mm) deep architectural louver screen designed for applications that require economical sight barriers. The inverted louver screen blade profile provides an effective visual screen when viewed from grade or any lower elevation. Louver Screen Type ENCB609 can be supplied with concealed vertical mullions, mitered and boxed corners, and man-doors in order to meet all aesthetic and service requirements. All materials are available in Aiolite's broad array of baked enamel, fluoropolymer, and clear or color anodize coatings for durability and compatibility with adjacent materials and finishes. Please contract your local Aiolite representative or the factory for assistance with the layout and design of supports systems when required.

GENERAL

Where indicated on plans or described in schedules, furnish and install Louver Screen Type ENCB609 as designed and manufactured by The Aiolite Company LLC, Schofield, Wisconsin. Louver screens shall be furnished in the configuration represented on the plan drawings and shall include installation hardware and finishes as specified and required 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 screen blades and frames; unit dimensions related to wall openings and construction; and, anchorage details and locations. Submit theoretical calculations prepared by a professional engineer specializing in the application of welding technology demonstrating that each fillet weld joining blade and frame members will withstand a minimum of 526 pounds of force in shear. Provide samples of manufacturer's finish and color charts showing the full range of colors available.

PRODUCTS

Louver screens shall be inverted, horizontal blade, Louver Screen Type ENCB609 with concealed vertical mullions. Louver screens shall be 4-inches (101.6 mm) deep and assembled by mechanically fastening or welding extruded aluminum components. Blades shall be 0.081-inch (2.06 mm) thick extruded aluminum, alloy 6063-T5. Blades shall be inverted, stationary, horizontal and spaced 5-inches (127 mm) on center. Blades shall be secured to vertical support members located to withstand the specified wind design load.

OPTIONAL WELDED ASSEMBLY

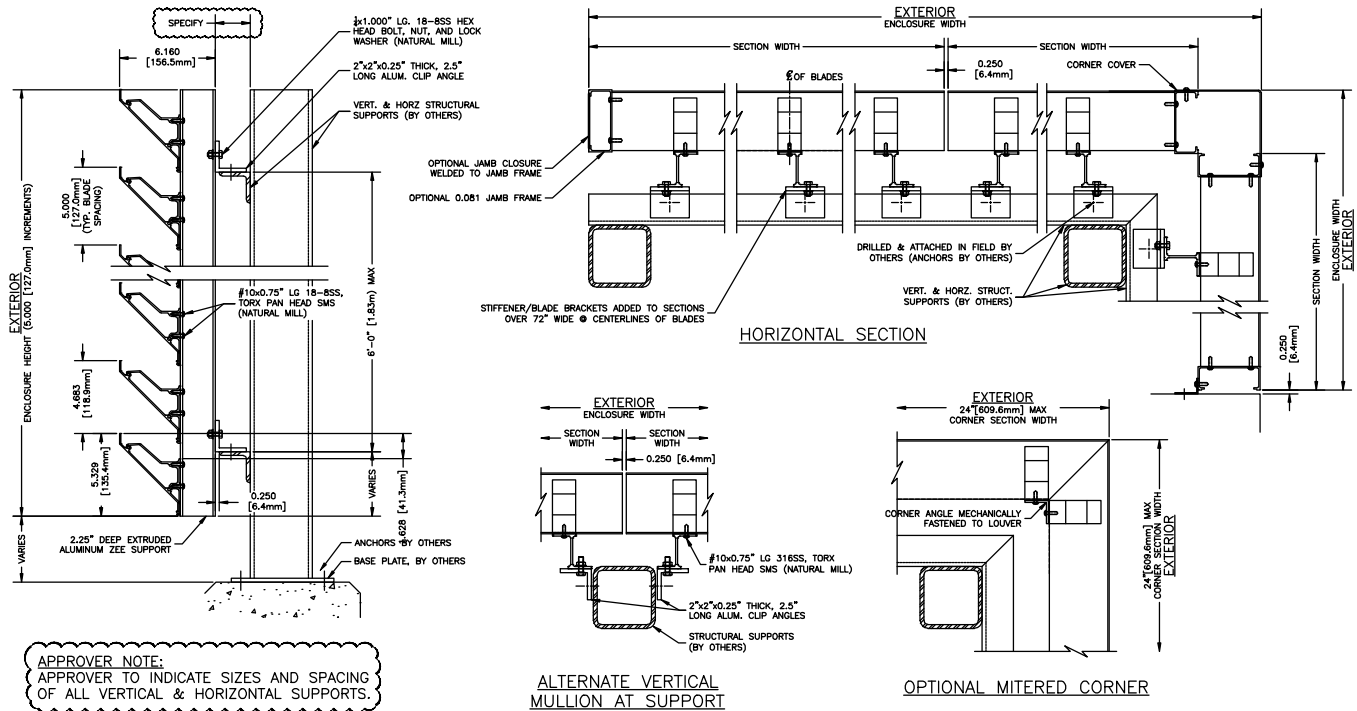
Join stationary blade, head, sill and jamb frames with fillet welds concealed from view, unless the size of the louver makes bolted connections between louver sections necessary. Louver blades shall be joined to each jamb frame with fillet welds produced with the Pulsed Gas Metal Arc Welding (GMAW/Mig) process.

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 for panel sizes no larger than 72-inches. Louver screens larger than 72-inches (183 cm) wide x 144-inches (366 cm) high or 144-inches (366 cm) wide x 72-inches (183 cm) high will be fabricated and installed in multiples sections. Louver screen blades, horizontal members and anchorages shall be demonstrated to withstand the specified wind design load.

See page 2 for complete finish options

LOUVER SCREEN TYPE ENCB609 DETAILS & FINISH OPTIONS



*Louver screen height for ENCB609 available in 5-inch increments.

FINISHES (Select one of the following)

ACRYLIC ENAMEL: Louvers shall be cleaned, pretreated and FINISHED-AFTER-ASSEMBLY with an oven-cured thermosetting acrylic enamel finish that meets or exceeds the performance requirements of AAMA 2603, "Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings."

2-COAT FLUOROPOLYMER: Louvers shall be cleaned, pretreated and FINISHED-AFTER-ASSEMBLY with an inhibitive primer and oven-cured Kynar 5000® / Hylar 5000® resin coating with minimum 1.2 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels."

3-COAT FLUOROPOLYMER: Louvers shall be cleaned, pretreated and FINISHED-AFTER-ASSEMBLY with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating with minimum 2.0 mils dry-film coating thickness that meets or exceeds the performance requirements of AAMA 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels."

CLEAR ANODIZE: Louvers shall be a Class I clear anodized coating (AA-M10C22A41) that complies with the performance requirements of AAMA Specification 611-98, "Voluntary Specification for Anodized Architectural Aluminum."

COLOR ANODIZE: Louvers shall be a Class I electrolytically color anodized coating (AA-M10C22A42/44) that complies with the performance requirements of AAMA Specification 611-98, "Voluntary Specification for Anodized Architectural Aluminum." Color shall be (select one): Champagne, Light Bronze, Medium Bronze, Dark Bronze, Extra Dark Bronze or Black Anodize.



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