

SECTION 08090
GLASS FIBER REINFORCED PLASTIC LOUVERS



PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Glass fiber reinforced plastic (FRP/GRP) louvers.
- B. Glass fiber reinforced plastic (FRP/GRP) flashing.
- C. Fasteners for louvers.
- D. Closures and sealants

1.2 SUBMITTALS

Glass fiber reinforced plastic (FRP/GRP) louvers.

- A. Submit under provisions of Section 01300.
 - 1. Product data sheets.
 - 2. Storage and handling instructions.
 - 3. Installation instructions.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Enduro Composites, Inc., 6602 Central Green Blvd., Houston, TX 77032; 713-358-4000, 800-231-7271; email: sales@endurocomposites.com; www.endurocomposites.com.

2.2 GLASS FIBER REINFORCED PLASTIC LOUVERS

- A. Louvers shall have stationary blades and fixed open area.

or

- A. Louvers shall be operable with adjustable open area and blades.

- 1. Each Operable Louver shall include a stainless steel sash chain.
- 2. Sash chain shall be _____' length (distance from louver to operating point).

- B. Louver dimensions shall be sized to have a gap of 1/8" (.125") around louver unit(s) outer edges to allow for installation.

Dimensions shall be measured from outside of louver frame and not the opening.

- C. Louver debris screen shall be 1/2 inch, black plastic or 300 series stainless steel.

**** Note to Specifier ** Indicate if debris screen shall be Bird or Bug Screen type; and whether plastic, 304 or 316 stainless steel.**

2.3 GLASS FIBER REINFORCED PLASTIC MATERIALS

- A. Material resin shall be premium grade, Isophthalic Polyester, UV stabilized with neopentyl glycol and acrylic monomer.

- B. Glass Fiber Reinforcements shall be continuous and minimum content of 48% of the material weight.

- C. Materials shall be fire retardant with Class 1 Flame Spread Rating of 25 or less per ASTM E-84.

- D. Color shall be:

- 1. Frames: _____ Gray _____ Custom Color. Louver frames shall be gray color unless noted otherwise.

- 2. Blades: _____ Gray _____ Beige _____ White _____ Translucent Clear _____ Custom Color

Custom color blades may be furnished with a surface coating over gray or white parts.

2.4 ACCESSORIES

- A. Accessories shall include flashing, fasteners, and other items as required for a complete installation.

- B. FRP/GRP flashing and trim shall be in thickness, dimensions, and profile as required.

- 1. Head or Drip flashing; Sill flashing _ 10 ft length

- 2. Jamb or "J" flashing _ 8 ft length

- C. Fasteners

- 1. Fasteners for installing louvers shall be _____ stainless steel and installed per manufacturer's instructions.

**** Note to Specifier ** Indicate whether fasteners are to be 304 or 316 stainless steel.**

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Installation shall not begin until substrates have been properly prepared and in correct alignment.

3.2 INSTALLATION

- A. Materials shall be installed in accordance with Manufacturer's Installation Instructions and Drawings.