

## SECTION 06 44 60

## ARCHITECTURAL COMPOSITE COLUMNS

## 1.1 SECTION INCLUDES

- a. Columns: HB&G PermaCast Non-bearing columns; fiber-reinforced polymer composite; weatherproof, insect-proof, and highly durable.
- b. Decorative Capitals and Bases: To fit over shaft through center of capital and base without affecting height of the column, except for "ornate" styles of capitals for round columns.
- c. Materials for column installation.

## 1.2 RELATED SECTIONS

- a. Section 05 12 00
- b. Section 06 10 00 - Rough Carpentry: Wood framing.

## 1.3 SUBMITTALS

- a. Submit under provisions of Section 01 33 00.
- b. Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- c. Shop Drawings: For custom products, show dimensions, configuration, and anchorages.

## 1.4 DELIVERY, STORAGE, AND HANDLING

- a. Store products in manufacturer's unopened packaging until ready for installation.
- b. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

## 1.5 PROJECT CONDITIONS

- a. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

## 1.6 WARRANTY

- a. At project closeout, provide to Owner or Owners Representative a copy of the manufacturer's limited warranty outlining its terms and conditions.
  - 1. Duration 25 year limited warranty extended to original owner.
- b. Free from defects in material and workmanship for 25 year of

ownership. Installation must be per manufacturer's guidelines.

## PART 2 PRODUCTS

### 2.1 MANUFACTURERS

- a. Basis of Design: HB&G, which is located at: P. O. Box 589 ; Troy, AL 36081; Toll Free Tel: 800-264-4424; Tel: 334-566-5000; Fax: 334-566-4629; Email: [tbobo@hbgcolumns.net](mailto:tbobo@hbgcolumns.net); Web: [www.hbgcolumns.com](http://www.hbgcolumns.com)
- b. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

### 2.2 LOAD BEARING COLUMNS - SQUARE

- a. PermaCast Column:
  - 1. Height: 6 feet (1829 mm).
  - 2. Height: 10 feet (3048 mm).
  - 3. Size: 10 inches (254 mm) square.
  - 4. Texture: Smooth.
  - 5. Split Columns: 3/4 column (corner column), and half column (wall column), where indicated.
- b. Capitals and Bases:
  - 1. Capital: Ogee Cap.
  - 2. Bases: Ogee
  - 3. Split Columns: Provide split capitals and bases to match.

### 2.3 ACCESSORY MATERIALS

- a. Construction Adhesive: Non-acetone based exterior grade.
  - 1. Use at top and bottom of shaft.
  - 2. Use at top of cap and bottom of base prior to nailing or screwing to soffit and substrate.
  - 3. Use to affix neck molding to shaft of square columns, prior to screwing or nailing the molding in place.
- b. Caulk: Use to cover holes of nails or screws in molding for square columns.
- c. Molding for Columns
- d. Hardware:
  - 1. Bottom Anchors: Corner irons.
  - 2. Anchor Fasteners: Concrete anchors.
  - 3. Cap and Base Fasteners: Screws.

### 2.4 FINISH

- a. Primer:
  - 1. Latex Based Primer: One light, even coat of top quality

exterior latex primer.

b. Finish Coat:

1. Latex Based Finish: Three light, even coats of high quality exterior latex paint.

PART 3 EXECUTION

3.1 EXAMINATION

- a. Do not begin installation until substrates have been properly prepared.
- b. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- c. Check opening height before ordering columns.

3.2 PREPARATION

- a. Clean surfaces thoroughly prior to installation.
- b. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- c. If attaching handrails or corner iron to column, pre-drill holes before applying screws.

3.3 INSTALLATION

- a. Install in accordance with manufacturer's instructions.
- b. Plumb and level, with 100 percent of bottom contacting substrate and 75 percent of top contacting soffit. Center load over shaft and evenly distribute around bearing surface.

3.4 PROTECTION

- a. Protect installed products until completion of project.
- b. Touch-up, repair or replace damaged products before Substantial Completion.

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