Architectural Specifications

GENERAL

1.1 PRODUCT DESCRIPTION

1.1.1 Columns shall be Filament Wound Fiberglass/Resin-Infused Columns manufactured by Pacific based on design _____ (Tuscan, Doric, Attic, etc.)

1.1.2 Column design shall have the correct proportions based on Orders of Architecture, except when cut to a specific length.

1.1.3 Filament Wound Columns are manufactured from E-Glass Fiberglass and Polyester Resin (Fiberglass Reinforced Polymers - FRP)

1.1.4 Filament Wound Fiberglass/Resin-Infused Columns shall be sanded ready for priming/painting

1.1.5 Filament Wound Fiberglass/Resin-Infused Columns meet ASTM E84-01 testing criteria for Class B flame and smoke classifications.

1.1.6 Caps, Bases and Plinths shall be made from Fiberglass or Polyurethane materials

1.2 SUBMITTALS

1.2.1 Submit Pacific product data and shop drawings for customer approval.

2.0 PRODUCTS

2.1 SUPPLIER

2.1.1 Pacific Columns, Inc.
6765 Horizon Road
Heath, TX 75032
Phone: (800) 294-1098
Fax: (714) 257-9628

2.2 MATERIALS

2.2.1 Filament Wound Fiberglass/Resin-Infused Columns are manufactured from E-Glass Fiberglass and Polyester Resin (Fiberglass Reinforced Polymers - FRP)

3.0 EXECUTION

3.1 INSTALLATION

3.1.1 Follow manufactures detailed installation procedures

3.1.1.1 The position of the plinth must be determined by dropping a plumb line from the center of the soffit beam to the floor. This point should be marked well on the floor.

3.1.1.2 Measure the overall height. Raise the soffit or porch slightly and brace safely for later column placement.

3.1.1.3 Measure shaft length and if necessary, trim the shaft on the bottom only. Trim with an abrasive saw blade and always wear protective eye guards. Finish both the top and bottom ends of shaft with a rasp or sander to ensure an even load distribution around the shaft.

3.1.1.4 Slide the standard capitals (Tuscan/Roman Doric) over the neck and rest temporarily on the astragal until the shaft is in the proper position.

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3.1.1.6 Stand column in a vertical position and slide into place where mark was made on floor.

3.1.1.7 Use small L brackets to hold shaft to flooring and do not let these brackets interfere with the position of the base/plinth. (NOTE: Use through bolts on shaft, do not use screws.)

3.1.1.8 Remove brace and allow load to rest on column evenly.

3.1.1.9 Measure and pre-drill hole in capital and base for screws.

3.1.1.10 Slide capital up to soffit and attach using corrosion resistant type screws. Attach base to floor using masonry or appropriate fasteners. Fill holes with a polyester filler.

3.1.1.11 Caulk between the capital and the shaft, and the base and the shaft for a completed appearance. (NOTE: a gap around the base and shaft is normal and a standard in the industry.)

3.2 PAINTING AND FINISHING

3.2.1 Make sure all surfaces are clean prior to painting. The surface preparation of your columns and components is very important to assure you a lifetime of beauty.

3.2.2 Lightly sand and remove ALL dust and or dirt before applying any paint or primer. In case of surface scratches, some filling may be required.

3.2.3 Use a good high quality exterior paint, at least one coat of primer and two coats surface paint. Pacific strongly recommends an alkyd or oil based primer and paint.

3.2.4 Follow the paint instructions completely, making sure that the air and material temperatures are in accordance with the manufacturer's suggested recommendations. Paint adhesion problems occur when the directions are not followed properly.

3.3 WARRANTY

3.3.1 All fiberglass/resin-infused columns and components have a limited lifetime warranty

3.3.2 Manufacturer warrants that columns are free of defects in material and workmanship and, when stored, installed and finished in accordance with Manufacturer's published installation instructions, will perform as specified in the current published specifications for as long as the original purchaser owns the property. Manufacturer's warranty begins at date of substantial completion.