

FiberWound Classic™

Fiberglass Column

Architectural Guide Specification

1.0 General

1.1 Description

- A. Columns shall be Melton Classics **FiberWound Classic™** filament wound fiberglass columns according to their design number _____FW.

1.2 Submittals

- A. Submit Melton Classics shop drawings for diameter indicated.
- B. Field samples shall be capable of being incorporated into the actual construction.

1.3 Warranty

- A. Columns shall be guaranteed in writing against defects in material and workmanship for as long as the original purchaser owns the structure to which the FiberWound Classic™ columns are attached.
- B. Submit manufacturer's standard warranty upon completion of the project.

2.0 Products

2.1 Acceptable Manufacturer

- A. Melton Classics Incorporated
P.O. Box 465020
Lawrenceville, GA 30042-5060
770-963-3060 * 800-963-3060 * Fax 770-962-6988 * www.meltonclassics.com

2.2 Description

- A. The column shaft is filament wound fiberglass which is constructed using the strength of continuous fiberglass strands threaded together to create bands which are coated in a resin mixture and wrapped in two perpendicular directions in a weave pattern to create the entasis tapered column shaft.
- B. Capitals and bases are constructed of high density polyurethane or fiberglass using a hand lay-up and spray-up process depending on shaft size.
- C. Shaft thickness shall be 1/8" to 1/4" depending on size and project specifications.

3.0 Properties

3.1 Compressive strength

- A. Dead load compressive strength of column shaft when load applied concentrically through the axis of the column with uniform contact between full area of the column ends is 6,000 lb. to 24,000 lb. depending on column height and diameter. Split and tabbed columns are non-load bearing.

4.0 Materials

- A. Columns shafts are constructed with 250 yield E-glass.
- B. Column shafts meet ASTM E 84-01 flame and smoke standards.
- C. Capitals and bases are constructed from fiberglass or high density polyurethane. Fiberglass capitals and bases are constructed of glass cloth, matt and "chop" bound in polyester resin and reinforced as necessary.

5.0 Execution

5.1 Installation

- A. Follow manufacturers detailed installation guidelines.