

FiberFlute Classic™

Fluted Fiberglass Column Architectural Specification

1.0 General

1.1 Description:

- A. Columns shall be Melton Classics **FiberFlute Classic™** fiberglass columns Design No. _____.

1.2 Submittals

- A. Submit Melton Classics shop drawings clearly marked to show column requirements.
B. Field samples shall be capable of being incorporated into the actual construction.

1.3 Warranty

- A. The columns shall be guaranteed in writing against defects of materials or workmanship for the lifetime of the original owner of the structure to which the columns are attached. Provide manufacturer's written warranty.

2.0 Products

2.1 Acceptable Manufacturer

- A. Melton Classics Incorporated
P.O. Box 465020
Lawrenceville, GA 30042-5020
770-963-3060 * 800-963-3060 * Fax 770-962-6988

2.2 Fiberglass and Resin Materials

- A. Glass cloth, matt and "chop" shall be equal to the products of PPG-Owens Corning.
B. All exposed surfaces shall be finished factory primed.
C. Final ratio of materials shall be 40% fiber 60% resin for the body of components.
D. Shaft thickness shall be 1/8" to 1/4" depending on column size.
E. Column shaft shall be fiberglass and supplied with fiberglass capital and base of the design indicated.
G. Allowable Tolerances
1. Dimensional Tolerances of Finished Units
a. (1) Dimensions 10' or under: +/- 1/4".
(2) Dimensions 10' to 20': +/- 3/8".
b. Out of Square: 1/8" per 3'.
c. Warpage or bowing: +/- 1/16" per ft.

3.0 Material Properties

3.1 Physical Properties

| | <u>Typical Properties</u> | <u>Typical Range</u> |
|----|---------------------------------|----------------------|
| A. | Glass Content 0/0 | 35% - 45% |
| G. | Compression Strength, psi | 15,000 - 20,000 |
| H. | Water Absorption | .04% - .05% |
| I. | Thermal Expansion (in./in./ft.) | .000011 - .000012 |

4.0 Execution

4.1 Installation

- A. Follow manufacturer's detailed installation guidelines.