

CHADSWORTH COLUMNS

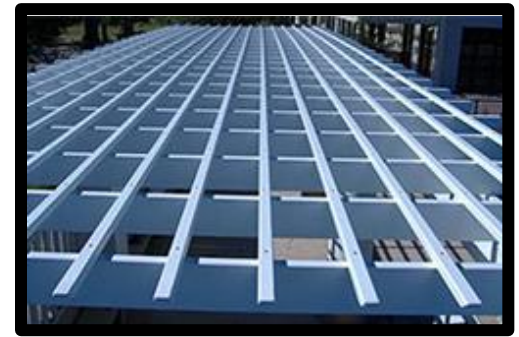
1-800-COLUMNS

FIBERGLASS PERGOLA SPECIFICATIONS

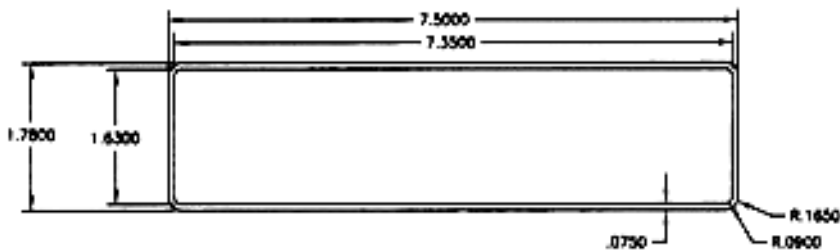
RAFTER & PURLIN TECHNICAL INFORMATION



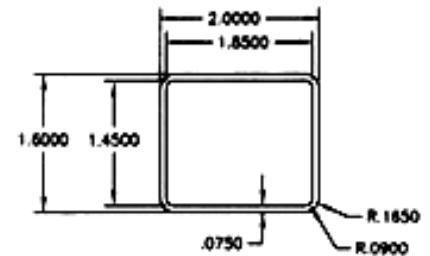
RAFTERS



PURLINS



1.78" x 7.50" PROFILE



1.60" x 2" PROFILE

FIBERGLASS PULTRUSION PROCESS

Pultrusion is a manufacturing process for producing continuous lengths of fiberglass reinforced structural shapes. Raw materials include a liquid resin mixture (containing polyester resin, fillers and specialized additives) and reinforcing glass fibers. The process involves pulling these raw materials (rather than pushing, as in the case of extrusion) through a heated steel forming die using a continuous pulling device. The reinforcement materials are in continuous forms such as rolls of fiberglass mat or doffs of fiberglass roving. As the reinforcements are saturated with the resin mixture ("wet out") in the resin impregnator and pulled through a die, the gelation (or hardening) of the resin is initiated by the heat from the die and a rigid, cured profile is formed that corresponds to the shape of the die.



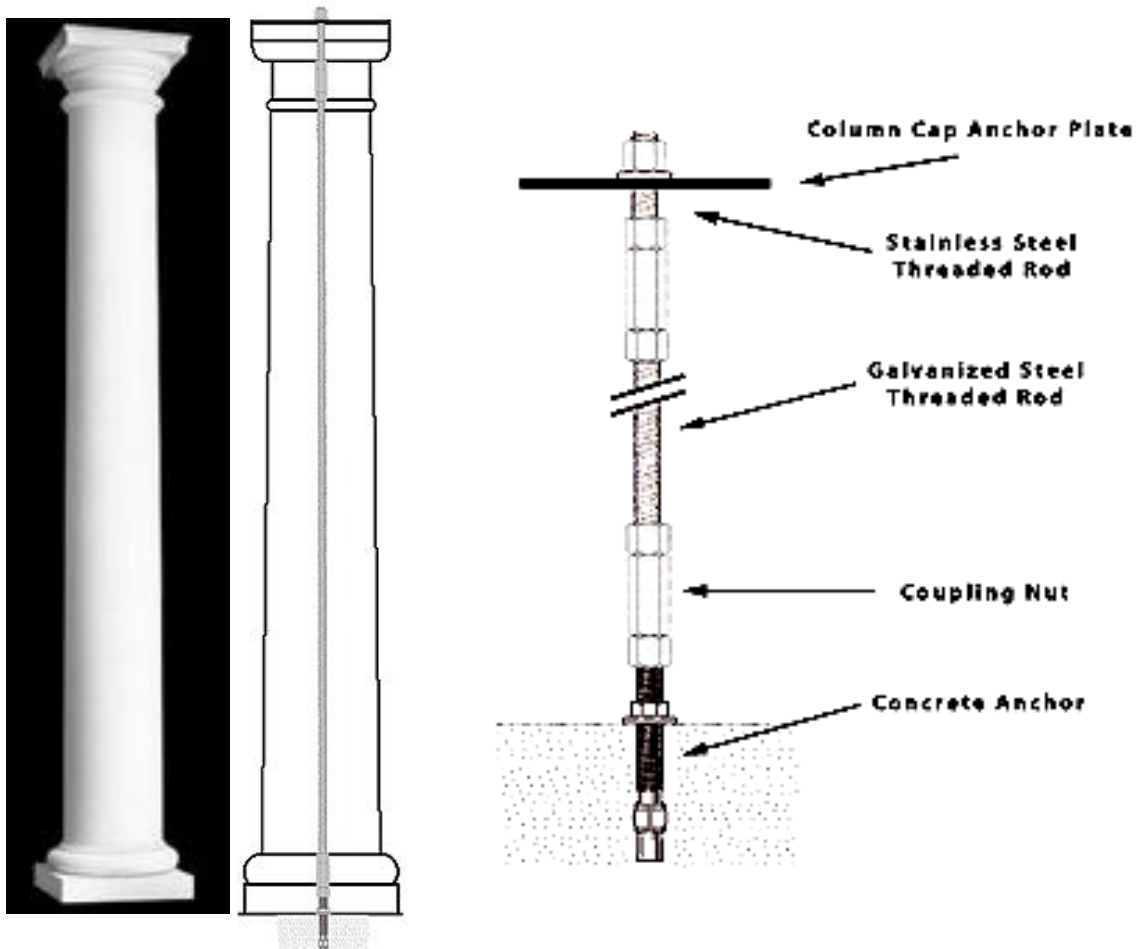
www.COLUMNS.com

CHADSWORTH INCORPORATED

277 NORTH FRONT STREET • HISTORIC WILMINGTON, NC 28401 • PHONE: 1.800.486.2118 • FACSIMILE: 1.910.763.3191 • E-MAIL: sales@columns.com

FIBERGLASS PERGOLA SPECIFICATIONS

COLUMN & ANCHOR TECHNICAL INFORMATION



COLUMNS

Chadsworth's award winning PolyStone® (FRP) Columns are composed of polyester resin, fiberglass and marble dust. They are weather proof, insect proof and highly durable in exterior use. Decorative capitals and bases are made from the same material as the shaft and side over the shaft without affecting the height of the column. All full round PolyStone® columns are load-bearing with the 12" diameter by 8ft column rated at 18,000 pounds of compressive load.

FOOTINGS

Minimum concrete footings should be at least cube 2ft X 2ft X 2ft. Or may be a concrete pad of various dimensions having a thickness of 5 inches at the anchor point.

MKT FASTENING SUP-R-STUD #2712512/304 Stainless 4 inch thread length, 1/2 inch x 5-1/2 inch overall length. 4,608 lbs tension and 6,828 lbs shear installed in 2000 psi concrete.

APPROVAL LISTINGS

ICBO ER-3219

G.S.A. Spec FF-S-325C, Group II, Type 4, Class 1

FM 3/8"-3/4" UL Listed 3/8"-1"

www.COLUMNS.com

CHADSWORTH INCORPORATED

277 NORTH FRONT STREET ▪ HISTORIC WILMINGTON, NC 28401 ▪ PHONE: 1.800.486.2118 ▪ FACSIMILE: 1.910.763.3191 ▪ E-MAIL: sales@columns.com