



**FIBERGLASS
DUCT
TECHNICAL
INFORMATION**

PROJECT: _____
LOCATION: _____
ARCHITECT: _____
ENGINEER: _____
SALES ENGINEER: _____
DATE: _____

Typical Specification • Section 15890

2.01 Underground Duct

A. Underground fiberglass duct and fittings as shown on the drawings shall be UnderDuct by Monoxivent. Duct and fittings shall meet the Flame and Smoke requirements of a Class 1duct per UL 181 and UMC 10-1 throughout the laminate. Linings or coatings of a different material are not acceptable.

B. Duct should be shop fabricated as much as possible limiting the number of field joints. Joints will be made using the butt and wrap wet lay up method and exterior surfaces will be finished with a resin rich surfacing veil to assure a leak proof system.

C. Duct will be filament wound. Wall thickness and fitting dimensions will be in accordance with ASTM D-3982, NBSPS15-69 and SMACNA's Thermoset FRP Duct Construction Manual. Register boots will be manufactured with the same materials as the duct.

D. Underd slab duct should be installed in a graded trench with good drainage on a 4" bed of pea gravel or sand. After the wet lay up field joints are completed in accordance with the manufactures instructions the system should be tested to 0 leakage before backfilling with sand or pea gravel. Do not allow vehicular traffic over the buried duct.