

## **FIBER GLASS DUCT SYSTEM**

All supply and return ducts operating within the range of  $\pm 2"$  ( $\pm 498$  Pa) w.g. pressure, [2,400 fpm (12.2 m/sec), 5000 fpm (25.4m/sec)] maximum air velocity, and internal air temperatures not exceeding 250°F (121°C), shall be constructed of [1" (25 mm) EI475, 1" (25mm) EI800, 1-1/2"(38 mm) EI800, 2" (51mm) EI800] thick fibrous glass duct board having a UL 181 Class 1 listing. Material to be CertainTeed [Ultra\*Duct Fiberglass Duct System, ToughGard Duct Board], or equal, per project drawings.

Fabrication and installation shall conform to the requirements of the latest edition of the North American Insulation Manufacturers' Association's Fibrous Glass Duct Construction Standards, and to the fiberglass duct board manufacturer's recommendations.

Closure system shall be one of those listed by the duct board manufacturer and comply with the requirements of UL181-A/P, UL181-A/H, or UL181-A/M. Application shall comply with procedures specified in the manufacturer's instruction sheets.

Reinforcement, hanging and details governing the installation of other accessory items shall be in compliance with the latest edition of the NAIMA Fibrous Glass Duct Construction Standard, and as specified by the fiberglass duct board manufacturer.