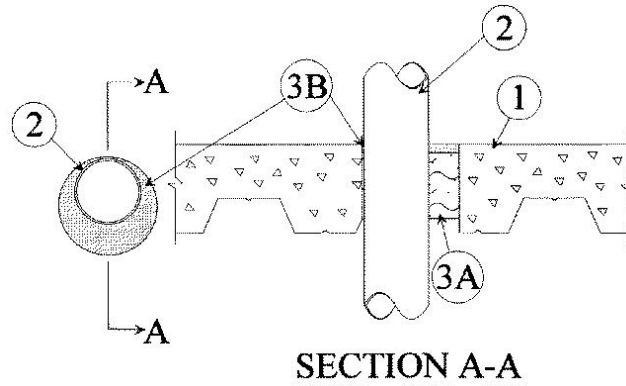


System No. F-A-1008

August 2008

F Rating — 2 and 3 Hr (See Item 3B)

T Rating — 0 Hr
(UL/cUL)



1. **Floor Assembly** The fire-rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D900 Series designs in the UL Fire Resistance Directory and as summarized below:
 - A. **Normal Weight or Lightweight Concrete** Min 3-1/2 in. (89 mm) thickness of normal weight concrete with carbonate or siliceous aggregate, 145 to 155 pcf (2320 to 2480 kg/cu meter) unit weight, min 3000 psi (2110 g/sq mm) compressive strength. Min 3-1/2 in. (89 mm) thickness of lightweight concrete with expanded shale, clay or slate aggregate, 105 to 115 pcf (1680 to 1840 kg/cu meter) unit weight, min 3000 psi (2110 g/sq mm) compressive strength.
 - B. **Welded Wire Fabric** 6 x 6 — W1.4xW1.4.
 - C. **Steel Floor and Form Units*** Composite or non-composite 2 in. (51 mm) deep fluted galv units as specified in the individual Floor-Ceiling design. Max diam of opening cored-drilled through floor assembly is 10-1/2 in. (267 mm).
2. **Through Penetrants** One metallic pipe, conduit or tubing to be installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
 - A. **Steel Pipe** Nom 8 in. (203 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe. The annular space shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm).
 - B. **Iron Pipe** Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe. The annular space shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm).
 - C. **Conduit** Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing or steel conduit. The annular space shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm).
 - D. **Copper Tubing** Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing. The annular space shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm).
 - E. **Copper Pipe** Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe. The annular space shall be min 1/4 in. (6 mm) to max 1-5/8 in. (41 mm).
3. **Firestop System** The firestop system shall consist of the following:
 - A. **Packing Material** Min 4 in. (102 mm) thickness of min 4.0 pcf (64 kg/cu meter) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor as required to accommodate the required thickness of fill material.
 - B. **Fill, Void or Cavity Material* — Caulk** Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor.

TREMCO INC — TREMstop Acrylic, TREMstop Intumescent Acrylic, Fyre-Sil, TREMstop IA+, or FyreCaulk

Note: When FyreCaulk is used, the F Rating is limited to 2 Hr.

*Bearing the UL Classification Mark



Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc.
Copyright © 2008 Underwriters Laboratories Inc. ®