System No. F-E-2051
F Rating - 1 Hr
T Rating - 1 Hr

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Floor-Ceiling Assembly — The 1 hr fire-rated structural cement-fiber panel and steel truss floor-ceiling assembly shall be constructed of the materials and in the manner described in Design Nos. G592 or H502 in the UL Fire Resistance Directory, as summarized below:
   A. Flooring System — Nom 1 in. (25 mm) thick Mineral Fiber Boards* installed as specified in Design Nos. G592 or H502. Max diam of cutout in flooring is 1 in. (25 mm).
      PLYCEM CONSTRUSISTEMAS EL SALVADOR S A DE C V — Type Plycem
      PLYCEM CONSTRUSISTEMAS HONDURAS S A DE C V — Type Plycem
      THE PLYCEM COMPANY INC — Type Plycem
   1A. Floor Topping Mixture* — (Optional, Not Shown ) — As specified in Design No. H502, min 3/4 in. (19 mm) thickness of floor topping mixture having a minimum compressive strength of 1800 psi (126.6 kg/cm²). Refer to manufacturer's instructions accompanying the material for specific mix design.
      UNITED STATES GYPSUM CO — Types LRK, HSLRK, CSD
      USG MEXICO S A DE C V — Types LRK, HSLRK, CSD
   B. Structural Members* — Pre-Fabricated light gauge truss system consisting of a cold-formed, galvanized steel chord and web sections. Trusses are minimum 10 in. (254 mm) deep and are to be installed as specified in Design Nos. G529 or H502.
      PRESCIENTCO INC — Pre-fabricated Light Gauge Steel Truss System
C. Batts and Blankets* — Optional. Not Shown - Batts and Blankets as specified in Design Nos. G529 or H502. Insulation fitted in the concealed space, draped over the resilient channel/gypsum board ceiling membrane.

D. Gypsum Board* — Min 5/8 in. (16 mm) thick, screw-attached to furring channels as specified in Design Nos. G529 or H502. Max diam of cutout in gypsum board ceiling is 1 in. (25 mm).

UNITED STATES GYPSUM CO — Type C

USG BORAL ZAWAWI DRYWALL L LC SFZ — Type C

2. Through Penetrant — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. Annular space between penetrant and periphery of opening to be min 0 in. (point contact) and max 1/8 in. (3.2 mm). Penetrant to be rigidly supported on both sides of floor assembly. The following types and sizes of nonmetallic penetrants may be used:

A. Crosslinked Polyethylene (PEX) Tubing — One nom 3/4 in. (19 mm) diam (or smaller) SDR 9 PEX tubing for use in closed (process or supply) piping systems.

3. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material* — Nom 60 mm diam by 3 mm thick putty disc with one seam at radius. Paper-backer of disc to be removed and disc firmly pressed around the penetrant lapping nom 5 mm onto penetrant to completely cover opening and firmly pressed to lap onto the floor around periphery of opening. Disc seam to be firmly pressed and sealed tight, Disc to be installed at top and bottom of floor assembly.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-D 1" Firestop Cable Disc

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.