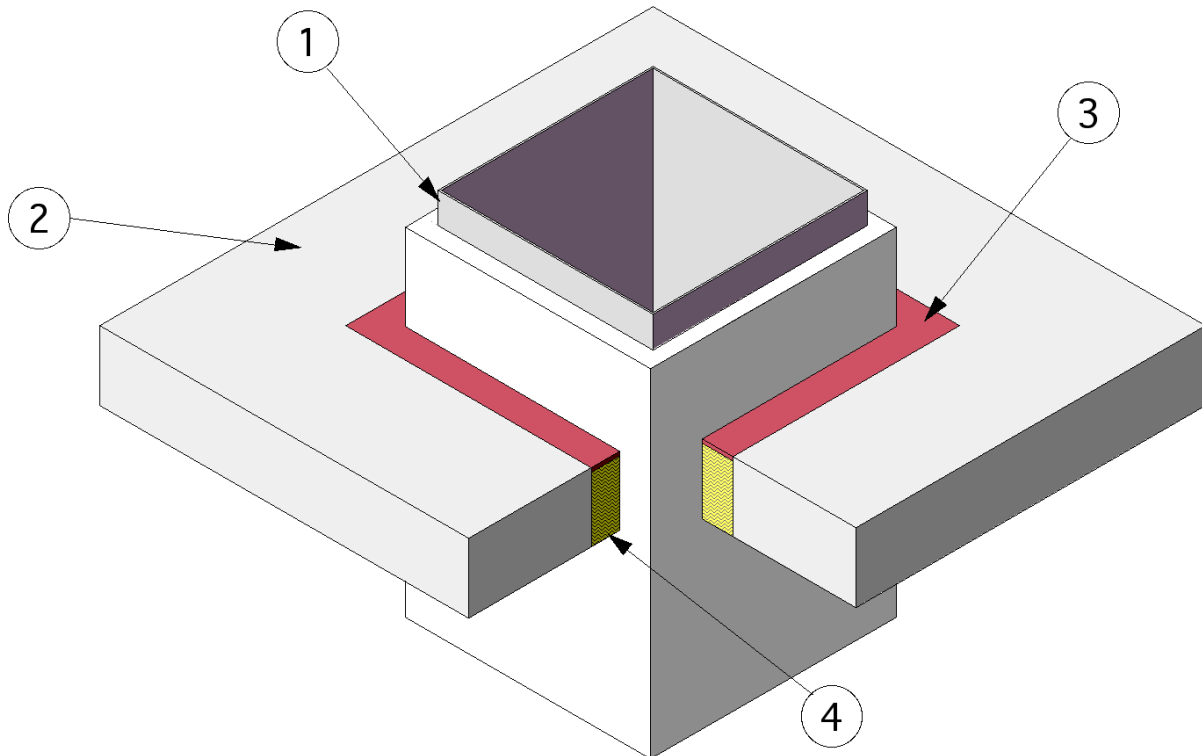

Design No. FS 582 F

FIRE PENETRATION SEAL

Penetrating Item Grease Duct

T-Rating - 2 hr

F-Rating - 2 hr



1. **PENETRATING ITEM:** 16 GA continuously-welded, liquidtight grease duct system, with both horizontal and vertical shafts permitted, constructed of sheet steel with outside dimensions of max. 49-in. wide x max. 49-in. high, and protected as detailed in Designs GD 544 F, GD 545 F, or GD 546 F.
2. **FLOOR/CEILING ASSEMBLY:** The two-hour fire-rated floor/ceiling assembly shall consist of min. 4-1/2 in. thick normal weight (100-150 pcf) reinforced concrete. The wall assembly may be constructed of similarly rated concrete masonry units. Size the opening for the penetrating item without exceeding max. dimensions of 57-in x 57-in. Position the duct assembly in the opening so that the annular space ranges from 1/2-in. min. to a 4-3/4 in. max.

3. **FILL, VOID OR CAVITY MATERIAL:** Min. 1/4-in. depth of sealant fill material is to be applied to the recess around the top surface of the floor through-penetration opening.

Listed Manufacturer:

Tremco Corporation--

Firestopping

Firestopping Sealant

Fyre-Sil® Sealant

Fyre-Sil® SL Sealant (Floor application Only)

4. **PACKING MATERIAL:** Fill the annular space using 8-pcf FireMaster® FastWrap+®. Cut the blanket into strips and compress it a

Through-Penetration Fire Stop Systems

minimum of 50%. (To be compressed 50%, the blanket must be twice as thick as the width of annular space into which it is being installed.) Insert it into the opening to fill the entire annular space. Recess the surface of packing material a min. 1/4 in. from the top surface of the floor, as required to accommodate the necessary depth of caulk fill material.

Listed Manufacturer:

Thermal Ceramics Inc. --

Applied Fireproofing

Insulation Blanket

FireMaster® FastWrap+®

(nom. 2 in. thick, 8-pcf)