

# System No. HW-D-1003



HWD 1003

F Rating — 3 Hr

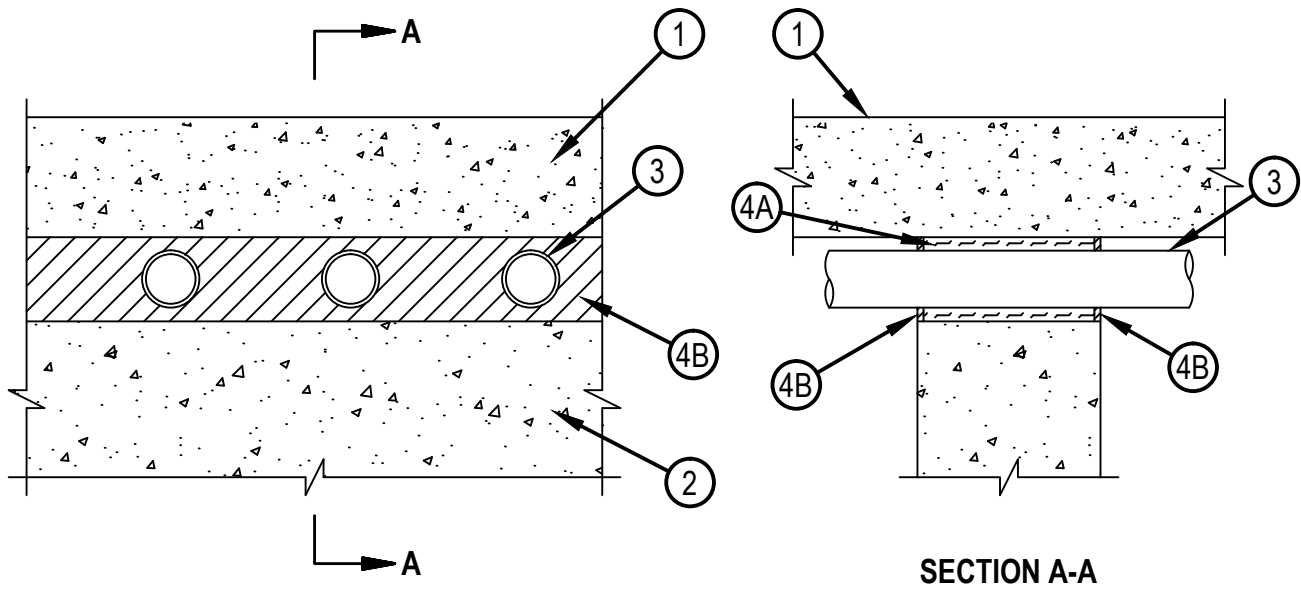
FT Rating - 0 Hr

FH Rating - 0 Hr

FTH Rating - 0 Hr

Nominal Joint Width — 3-1/2 In.

Class II Movement Capabilities — 7% Compression & Extension



1. Floor Assembly — Min 5 in. thick lightweight or normal weight (100-150 pcf) concrete.
2. Wall Assembly — Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*.  
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
3. Through-Penetrant — Multiple metallic pipes or conduits routed through gap between floor and wall such that an annular space of min 1/2 in. to max 1 in. is maintained between penetrant and bottom of floor and top of wall. A min annular space of 1 in. shall be maintained between penetrants. Pipes or conduits to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of metallic pipes or conduit may be used:
  - A. Steel Pipe — Nom 2 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.
  - B. Iron Pipe — Nom 2 in. diam (or smaller) cast or ductile iron pipe.
  - C. Conduit — Nom 2 in. diam (or smaller) steel conduit or steel electrical metallic tubing.
4. Joint System — Max width of joint (at time of installation of joint system) is 3-1/2 in. The joint system is designed to accommodate a max 7 percent compression or extension from its installed width. The joint system shall consist of the following:
  - A. Forming Material — Min 7 in. thickness of 4 pcf density mineral wool batt insulation compressed min 50 percent in thickness and installed edge first into joint opening between bottom of floor and top of wall, parallel with joint direction. Compressed batt sections recessed from both wall surfaces to accommodate the required thickness of fill material. Adjoining lengths of batt to be tightly butted with butted seams spaced min 48 in. apart along the length of the joint.  
FIBREX INSULATIONS INC — FBX Safing Insulation
  - B. Fill, Void or Cavity Material\* - Sealant — Min 1/4 in. thickness of fill material installed on each side of wall between the top of wall and the bottom of floor, flush with each surface of the wall.  
HILTI CONSTRUCTION CHEMICALS, DIV OF  
HILTI INC — CP606 Flexible Firestop Sealant

\*Bearing the UL Classification Mark



Hilti Firestop Systems

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