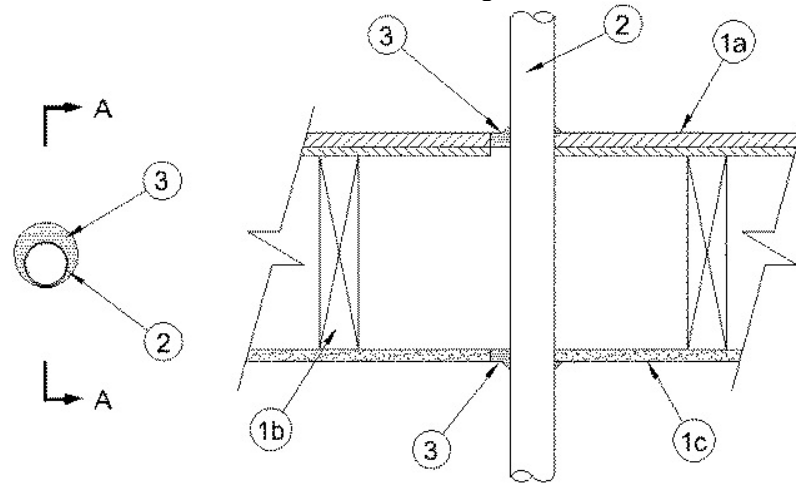


System No. SP1002

(For Horizontal or Vertical Separations)

F and FH Ratings - 1 h

FT and FTH Ratings - 0 h



SECTION 'A-A'

1. **Floor-Ceiling Assembly** — The 1 h fire rated wood joist, floor-ceiling assembly shall be constructed of materials and in the manner specified in the ULC List of Equipment and Materials, Fire Resistance Ratings. The general construction details of the floor-ceiling assembly shall include the following:
 - (a) **Flooring System** — Lumber or plywood subfloor with finish floor of lumber, plywood or floor topping mixture, as specified in the individual Floor-Ceiling Design. Max diam of floor opening is 117 mm.
 - (b) **Wood Joist** — Nom 50 by 250 mm lumber joist spaced 406 mm OC with nom 25 by 75 mm lumber bridging and with ends firestopped.
 - (c) **Wallboard, Gypsum** — Nom 1219 mm wide by 16 mm thick as specified in the individual Floor-Ceiling Design. Max diam of ceiling opening is 117 mm.
- 1A. **Chase Wall** — (Optional, Not Shown) - The through metal pipe (Item 2) may be routed through a 1 hr rated single, double or staggered wood stud/gypsum board chase wall. Depth of chase wall stud cavity to be min 12 mm greater than diameter of opening cut in sole and top plates to accommodate the metal pipe (Item 2). The chase wall shall be constructed of the materials and in the manner specified in the ULC List of Equipment and Materials, Fire Resistance, and shall include the following:
 - A. **Studs** — Nom 50 by 100 mm, 50 by 150 mm or double nom 50 by 100 mm lumber studs.
 - B. **Sole Plate** — Nom 50 by 100 mm, 50 by 150 mm or parallel 50 by 100 mm lumber plates, tightly butted. Max diam of opening is 127 mm.
 - C. **Top Plate** — The double top plate shall consist of two nom 50 by 100 mm, 50 by 150 mm or two sets of parallel 50 by 100 mm lumber plates, tightly butted. Max diam of opening is 127 mm.
 - D. **Gypsum Board** — Thickness, type, number of layers and fasteners shall be as specified in the individual Wall and Partition Design.
2. **Metal Pipe** — Nom 102 mm diam (or smaller), Schedule 10 (or heavier) steel pipe, or Type L (or heavier) copper pipe, or steel electrical metallic tubing or galvanized steel conduit. The annular space between pipe and edge of through-opening shall be 0 mm (point contact) to max 13 mm. Pipes to be rigidly supported on both sides of the wall assembly.
3. **Firestop System Components** — (Guide No. 40 U19.13). "A/D FIREBARRIER Intumescent Caulk" applied within the annulus flush with the floor surface to a min depth of 19 mm. On bottom of assembly, a min depth of 16 mm of caulk applied within annulus flush with bottom surface of ceiling. Additional caulk material to be installed such that a min 13 mm thick crown is formed around the through penetrant on both sides of floor-ceiling assembly.