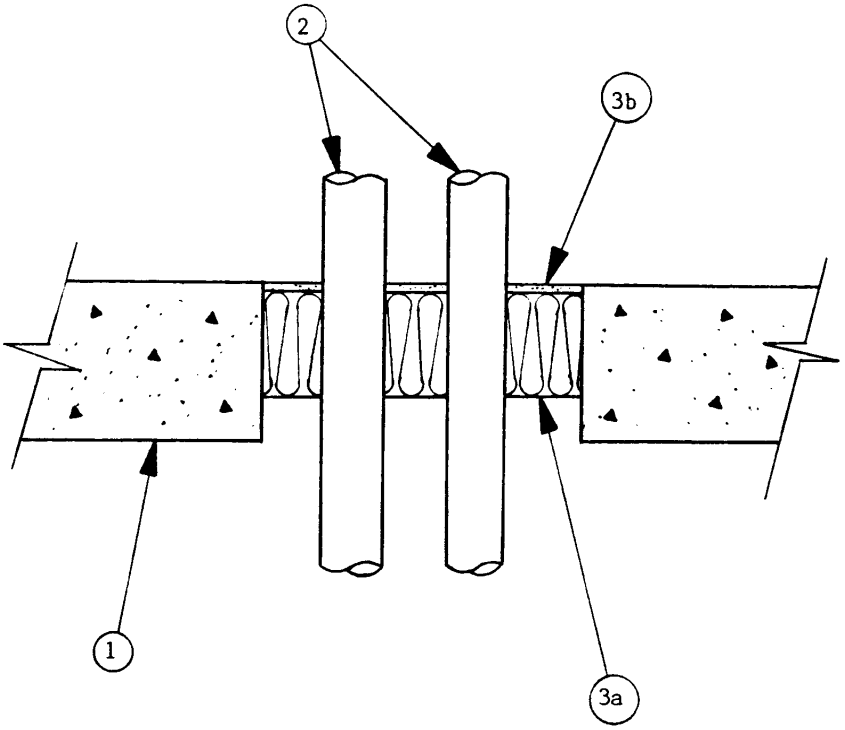
SYSTEM No. SP159
(For Horizontal or Vertical Separations)

F and FH Ratings – 1 & 3 h (See Item 2)
FT and FTH Ratings – 0 & 2 h (See Item 2)



1. Floor or Wall – Minimum depth or thickness as necessary for required grade of fire separation but not less than 150 mm. Normal-density (2400±50 kg/m^3) concrete. Maximum size of opening 272 mm by 116 mm.

2. Pipe – Nominal 50 mm diameter (or smaller) copper, Schedule 40 steel pipe, or cast or ductile iron pipe, reliably supported above the through-opening. Minimum 60 mm clearance to be maintained between pipes, and minimum 13 mm clearance to be maintained between pipes and perimeter of through-opening.

	Ratings, h	
Type of Pipe	**F and FH**	**FT and FTH**
Copper	1	0
Steel and iron	3	0

If no pipes penetrate assembly, FT and FTH Ratings are 2 h.

- **3. Firestop System Components** – (Guide No. 40 U19.13).
  (a) Type "A/D FIREBARRIER Mineral Wool" to be compressed 33% (minimum) between pipes and edge of opening. Minimum depth of 100 mm. Minimum 13 mm space to be left above insulation for Item 3b.
  (b) Type "A/D FIREBARRIER Silicone Sealant" applied over insulation (Item 3a) to a minimum depth of 13 mm. For vertical separations, apply to minimum depth of 13 mm on both sides of assembly.
  (c) For horizontal separations only, Type "A/D FIREBARRIER Silicone Sealant SL" applied over insulation (Item 3a) to a minimum depth of 13 mm flush with the top surface of the slab.

A/D FIRE PROTECTION SYSTEMS INC.