3M Company
Design No. 3M/PH 120-08
Through Penetration
3M™ FireStrap™
3M™ FireDam FD-150+
3M™ Fire Barrier IC 15WB+
3M™ Fire Barrier CP 25WB+
3M™ Fire Barrier 3000WT
CAN/ULC-S115
Rating: See Table 1

Pressure Differential: Positive, 50 Pa (0.20 in. w.g.)

TABLE 1. RATINGS

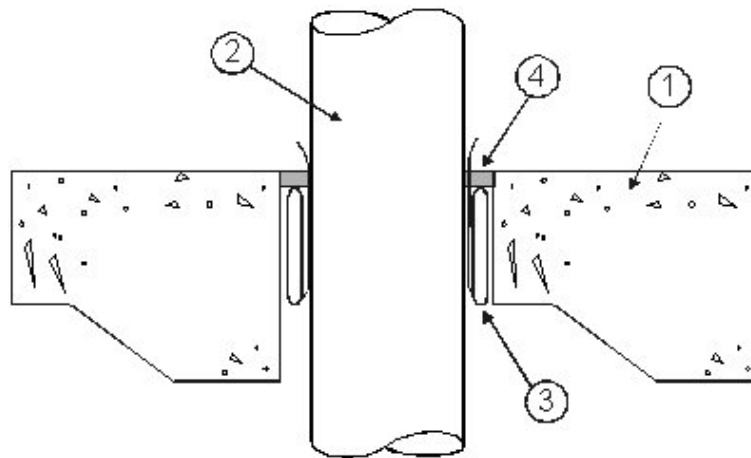| Penetrating Item	Max. Pipe Size	CAN/ULC-S115			
		F	FT	FH	FTH
PVC	2 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.
ccABS	3 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.
ABS	2 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.
PVC – Thin Wall	2 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.

Figure 1. Penetration Detail

1. **FLOOR ASSEMBLY:** Code conforming 2-hour fire-rated floor assembly, nominal 2-1/2-in. concrete, Q Deck or Fluted Deck, normal or low density cast concrete.

2. **PENETRATING ITEMS:** (See Table 1) Schedule 40, ccABS, ABS, PVC pipes for use in DWV (Drain, Waste and Vent) or Closed (Process and Supply) piping systems and PVC-Thin Wall Vacuum Tubing (nominal 2-in. diameter). Ratings achieved will equal that of floor assembly.

3. **FIRESTOP SYSTEM COMPONENTS:**
   Certified Products: 3M™ FireStrap™

   Install 3M™ FireStrap™ within opening 1/2 in. below the floor surface of the concrete according to the manufacturer's instructions. Use 3M™ FireStrap™ 1-1/2 in. for PVC – Thin Wall Tubing (nominal 2-in. diameter).

Pipe Size	Hole Size
1-1/2 in.	2-1/2 in.
2 in.	3 in.
3 in.	4-1/2 in.

4. **FILL, VOID, OR CAVITY MATERIAL:**
   Certified Products: Sealant
   - **3M™ FireDam FD-150+**
   - **3M™ Fire Barrier IC 15WB+**
   - **3M™ Fire Barrier CP 25WB+**
   - **3M™ Fire Barrier 3000WT**

   Apply to 1/2-in. thickness flush with the floor surface.

Consult the listing report on the Directory of Building Products (https://bpdirectory.intertek.com) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.