

3M Company
Design No. 3M/PV 120-04
Penetration Firestop
3M™ Fir Barrier PPD-6
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

		CAN/ULC-S115
Penetrating Item	Pipe Size	F, FT, FH, FTH
PVC	6 in.	1-3/4 Hr
System XFR	6 in.	1-3/4 Hr

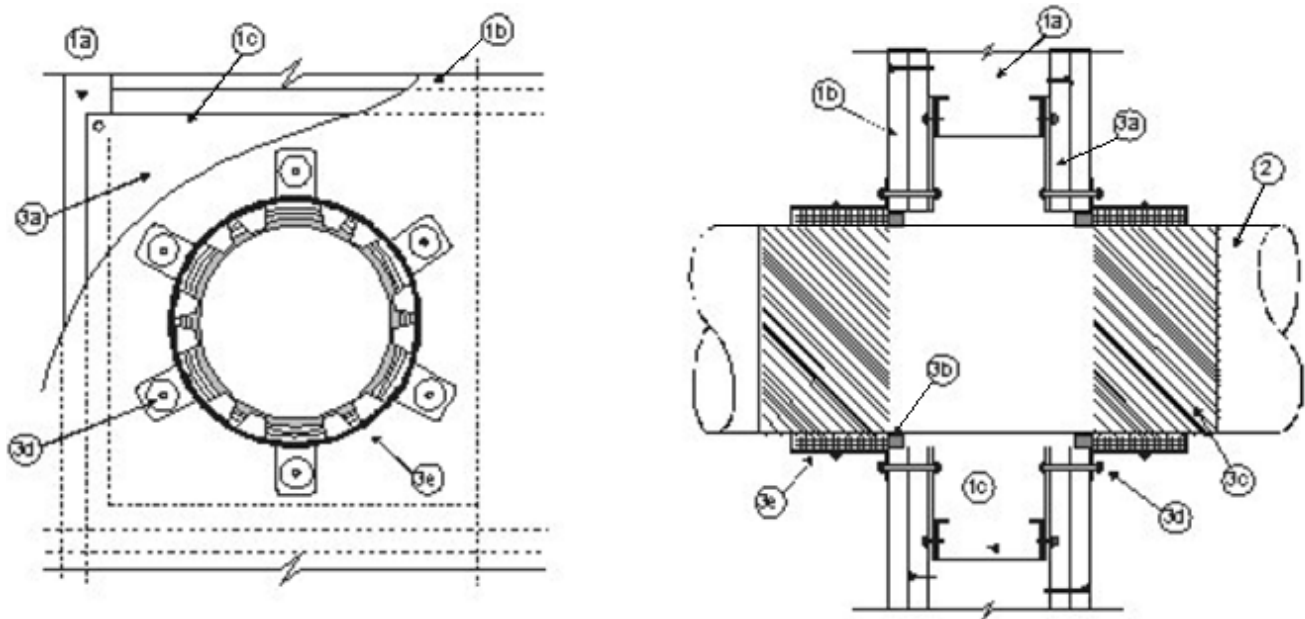


Figure 1. Penetration Detail



1. **WALL ASSEMBLY:** Code confirming 2-hour fire-rated wall, metal, or wood stud (Item 1a) framed gypsum wallboard (Item 1b) wall assembly. Opening is to be framed to create a nominal 16-in. square compartment with metal or wood studs (Item 1c). Maximum 7-in. diameter opening.

2. **PENETRATING ITEMS:** (See Table 1) Nominal 6-in. diameter, Sch. 40, PVC, and System XFR pipes used for DWV or Closed (Process & Supply) applications. Install with 1/4-in. annular space.

3. **FIRESTOP SYSTEM COMPONENTS:**

a) **Galvanized Steel Backing:** Minimum 28-gauge galvanized steel sheet. Secured to studs and framed compartment with self-tapping screws. Sheet may be comprised of 2 sections, with a 7-in. diameter opening for the pipe (Item 2) forming an overlap or butt seam. A 2-in. wide cover strip is applied over butted seams and secured with self-tapping screws according to the manufacturer's instructions.

b) **Certified Products: Sealant**

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Apply within the annular space around the pipe, to a 1/4-in. thickness flush with the wall surface on both sides.

c) **Aluminum Foil Tape:** Pipe is to be covered with aluminum foil tape from the wall interface for a 4-in. length.

d) **Certified Product: 3M™ Fire Barrier PPD-6**

Wrapped tightly around the pipe, latched, and secured with the steel hose clamp, provided. The mounting tabs are fastened with 1/4-in. diameter hollow dry wall anchors or toggle bolts in conjunction with 1-1/4-in. diameter steel fender washers (Item 3d).

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.