

3M Company
Design No. 3M/PH 120-03
Through Penetration
3M™ Fire Barrier PCID
3M™ MDA
CAN/ULC-S115, ASTM E814
Rating: See Table 1
Pressure Differential: Positive, 50 Pa (0.20 in. w.g.)

TABLE 1. RATINGS

Penetrating Item	Max. Pipe Diameter	CAN/ULC-S115				ASTM E814	
		F	FT	FH	FTH	F	T
PVC	4 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.	2 Hr.	2 Hr.
System XFR	4 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.	2 Hr.	2 Hr.
RNC - PVC	4 in.	2 Hr.	2 Hr.	2 Hr.	2 Hr.	2 Hr.	2 Hr.
ccABS	4 in.	2 Hr.	1 Hr.	2 Hr.	1 Hr.	2 Hr.	1 Hr.
ABS	4 in.	2 Hr.	1 Hr.	2 Hr.	1 Hr.	2 Hr.	1 Hr.

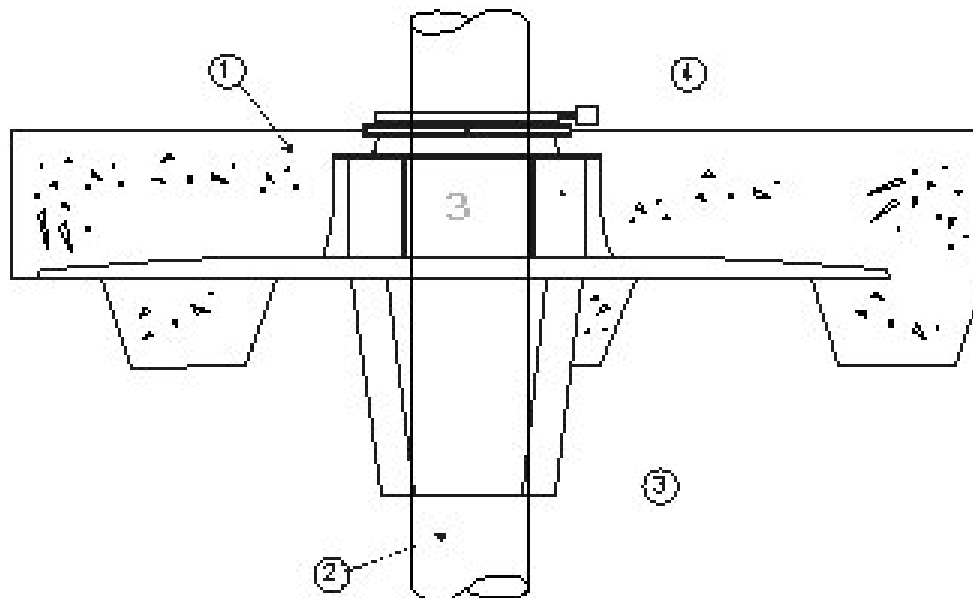


Figure 1. Penetration Detail



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

2. **PENETRATING ITEMS:** (See Table 1) Sch. 40, ccABS, ABS, PVC, System XFR pipes for DWV (Drain, Waste and Vent) or Closed (Process and Supply) piping systems and RNC-PVC (Rigid Non-Metallic Conduit), ratings achieved will equal that of floor assembly. Pipe is inserted from the floor side.

3. **FIRESTOP SYSTEM COMPONENTS:**

Certified Product: 3M™ MDA (Metal Deck Adapter)

The adapter is positioned in the metal deck opening and secured to the metal deck ribs creating a horizontal flat surface to permit mounting of the appropriately sized 3M™ PCID.

4. **FIRESTOP SYSTEM COMPONENTS:**

Certified Product: 3M™ Fire Barrier Plastic Cast in Device (PCID)

The device is attached to the 3M™ Metal Deck Adaptor (MDA) by inserting the base of the device into the locking tabs of 3M™ MDA. The device and adaptor are permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions. The device may be trimmed flush with the top of the floor or may project up to a maximum of 3-1/2 in. above the top surface of the floor.

3M PCID Size Chart

Device	Nominal Pipe ID	Adapter
3M™ 2PCID	1-1/2 in.	3M™ 2MDA
3M™ 2PCID	2 in.	3M™ 2MDA
3M™ 3PCID	3 in.	3M™ 3MDA
3M™ 4PCID	4 in.	3M™ 4MDA

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.