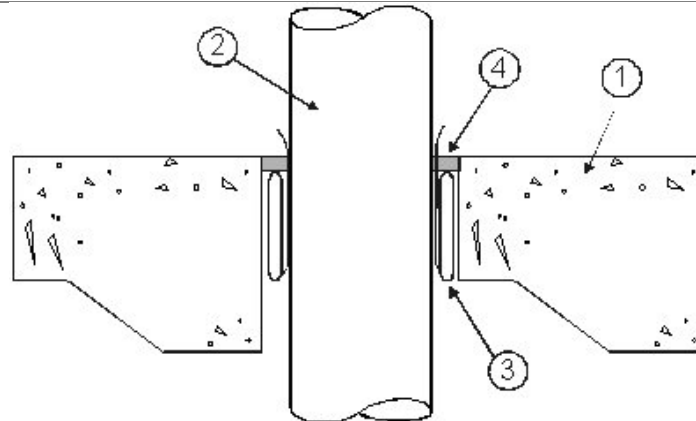


DESIGN NO. 3M/PH 120-08
HORIZONTAL (FLOOR),
RATINGS - SEE BELOW, HOLE SIZE - SEE ITEM 3
TEST PRESSURE DIFFERENTIAL - 50 Pa (0.20" OF WATER)

Penetrant	Max. Pipe ID	CAN/ULC-S115 F, FH, FT, FTH
PVC	2"	2 Hr
ccABS	3"	2 Hr
ABS	2"	2 Hr
PVC - Thin Wall	2"	2 Hr



1.	Floor Assembly: Code conforming 2 hour fire-rated floor assembly, nominal 2-1/2" thick concrete, Q Deck or Fluted Deck, normal or low density cast concrete.								
2.	Penetrant: (See table of ratings) Schedule. 40, ccABS, ABS, PVC pipes for use in DWV (Drain, Waste & Vent) or Closed (Process & Supply) piping systems and PVC-Thin Wall Vacuum Tubing (nominal 2" diameter), ratings achieved will equal that of floor assembly.								
3.	Firestop System Component: *3M™ FireStrap™: Install within opening 1/2" below the floor surface of the concrete according to the manufacturer's instructions. Use *3M™ FireStrap™ 1-1/2" for PVC - Thin Wall Vacuum Tubing (nominal 2" diameter). <table border="1"> <thead> <tr> <th>Pipe ID</th><th>Hole Size</th></tr> </thead> <tbody> <tr> <td>1-1/2"</td><td>2-1/2"</td></tr> <tr> <td>2"</td><td>3"</td></tr> <tr> <td>3"</td><td>4-1/2"</td></tr> </tbody> </table>	Pipe ID	Hole Size	1-1/2"	2-1/2"	2"	3"	3"	4-1/2"
Pipe ID	Hole Size								
1-1/2"	2-1/2"								
2"	3"								
3"	4-1/2"								
4.	Sealant: *3M™ Fire Barrier CP-25WB+ Caulk, *3M™ Fire Barrier IC 15WB+ Sealant or *3M™ FireDam 150+ Caulk, applied to 1/2" thickness flush with the floor surface.								

Note: Metric conversion factor, inches x 25.4 = mm.

*Components bearing the Warnock Hersey Certification Mark.