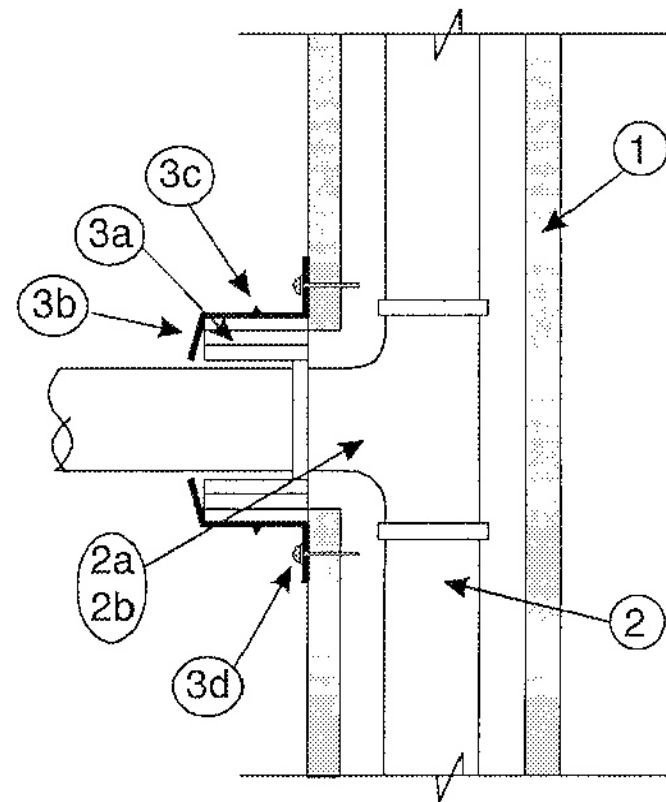
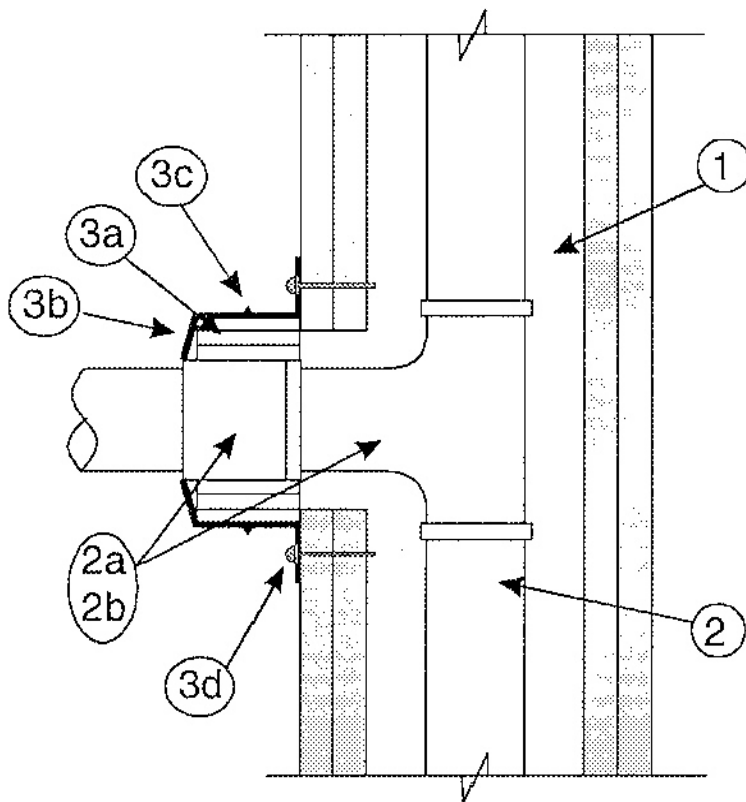


DESIGN NO. 3M/PV 120-03
VERTICAL (WALL); ANNULAR SPACE - 1/4" MAXIMUM
TEST PRESSURE DIFFERENTIAL - 50 Pa (0.20" OF WATER)

Fitting (Sch. 40)	Max. Diameter (ID)	CAN/ULC-S115 F, FH, FT, FTH
PVC	4"	1 & 2 Hr
System XFR	4"	1 & 2 Hr



1. **Wall Assembly:** Code conforming 1 or 2 hour rated wall, metal or wood framed gypsum wallboard wall assembly. Penetrant to be located on one side of the wall assembly only. Ratings achieved will equal that of wall assembly.
2. **Penetrant:** (See table above) Maximum 4" ID, Sch. 40, System XFR or PVC Pipe.
 - a) Maximum 4" diameter, Sch. 40 System XFR, Fitting.
 - b) Maximum 4" diameter, Sch. 40, PVC, Fitting.

3. **Firestop System Component:**

a) *3M™ Interam™ Ultra GS Wrap Strip, continuous wrap applied tightly to the fitting. Apply the appropriate number of layers as detailed in the table below.

Alternate Wrap Material: *3M™ Fire Barrier FS-95+ Wrap Strip, applied tightly to the fitting, with butted seams and staggered joints. Apply the appropriate number of layers as detailed in the table below.

b) *3M™ Fire Barrier RC-1 Collar, anchor tabs bent out at 90°, steel collar wrapped tightly over wrap material (Item 3a) with 1" overlap, secure collar with stainless steel 1/2" Hose Clamp (Item 3c). Secure collar to wall assembly through anchor tabs with 3/16" diameter steel toggle bolts with 1-1/4" diameter washers (Item 3d).

Fitting	Wrap Layers	Anchors
1-1/2"	3	2
2"	3	2
3"	4	4
4"	4	4

****Caulk Optional:** *3M™ Fire Barrier CP-25WB+ Caulk or *3M FireDam FD-150+ Caulk, to fill the annular space at the pipe penetration as a smoke seal.

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

*Component bearing the Warnock Hersey Mark.

**May be used, however, is not required to achieve stated rating.