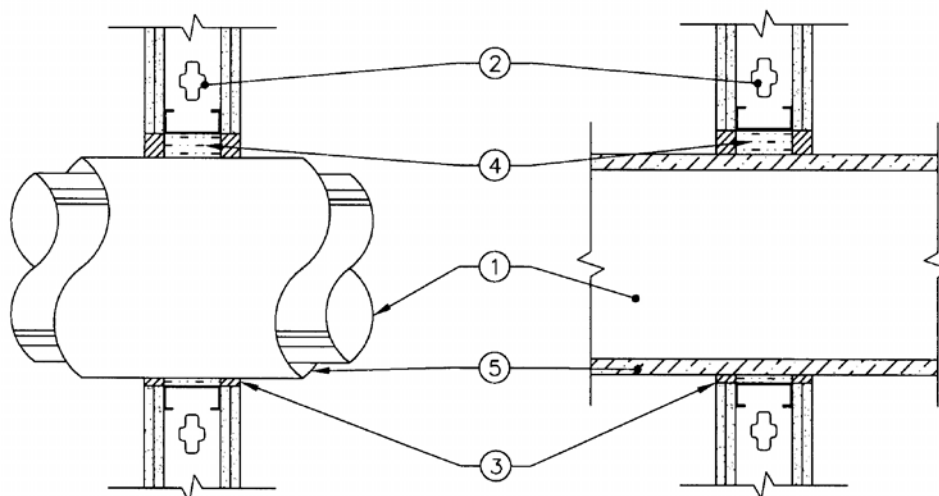


Grabber Construction Products, Inc.
Design No. JWA/PV 120-02
Vertical Wall Assembly, Single Penetrations Only
Pipe Insulation Through Penetration
GrabberGard EFC and GrabberGard IFC
Test Standards: ASTM E814, UL 1479, ULC S115
Test Furnace Internal Positive Pressure Differential – 2.5 Pa (0.01 in. of water) Minimum
Rating: 2 Hour

Penetrating Material & Size	Max Hole Size	Annular Space	Fire "F" Rating	Fire/Hose "FH" Rating	Temp Rating "FTH" Rating
24" x 24" Steel Duct – 16 gauge (or heavier)	27-1/4" x 27-1/4"	1/2" – 3/4"	Up to 2 Hours	Up to 2 Hours	*
16" Steel Duct – 24 gauge (or heavier)	20"	1/2" – 1-1/2"	Up to 2 Hours	Up to 2 Hours	Up to 2 Hours



- 1. PENETRATING ITEM:** Centered or offset in hole, see table above. Single penetrations only.

* Temperature rating is 52 min. and 2 hours, for 1 hour and 2 hour wall assemblies respectively.

- 2. WALL ASSEMBLIES:** 1 and 2 hour rated ASTM E-119 or CAN/ULC S101 metal or wood framed gypsum wall board (GWB) wall assemblies.

- 3. FIRESTOP SYSTEM, COMPONENT 1:** Grabber Construction Products, Inc. – GrabberGard EFC* or GrabberGard IFC* fully filling the annular space to the full depth of the gypsum wall board (GWB) on both sides of the fire separation.

- 4. FIRESTOP SYSTEM, COMPONENT 2:** Filler Material:

a) Mineral fiber wool insulation with a min. density of 4-6 pcf, firmly packed into the annular space at a min. depth of 3-5/8 in. (92mm).

- 5. THROUGH INSULATING MATERIAL:** Fiberglass duct wrap insulation having a 2 in. (51mm) wall thickness with a min. density of .75 - 1.5 pcf, installed as per manufacturer's installation instructions.

*WH Labeled Component