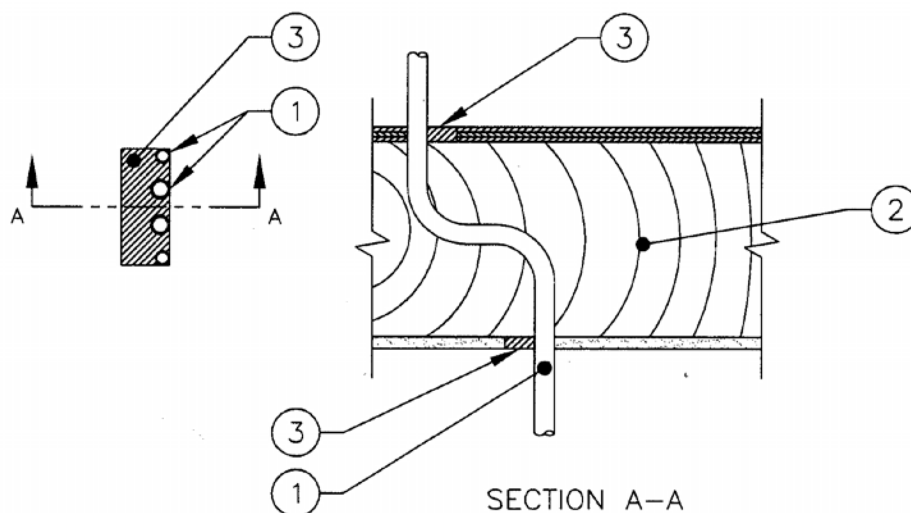


Grabber Construction Products, Inc.
Design No. JWA/PH 60-02
Horizontal Floor/Ceiling Assembly, Single or Multiple Penetrations Only
GrabberGard EFC and GrabberGard IFC
Test Standards: ASTM E814, UL 1479: Non-metallic Open and Closed Systems
ULC S115 : Non-metallic Closed Pipe**
Positive Pressure Differential – 2.5 Pa (0.01 in. of water) Minimum
Rating: 1 Hour

Penetrating Material & Size	Max Hole Size	Annular Space	"F" Rating	"T" Rating
IPEX PE/Al/PE up to 1" ID	See Item 1	0 - 1-1/4"	1 hour	41 min
IPEX PEX/Al/PEX up to 1" ID	See Item 1	0 - 1-1/4"	1 hour	41 min



- 1. PENETRATING ITEM:** Centered or offset in hole, see table above. Up to 4 penetrations of polyethylene tubing, 1 in. (25mm) ID or less in diameter. Max. opening size to be 15 sq. in. (9375 sq. mm) with max. dimension of 6 in. (150mm). All penetrating items to be reliably supported.
- 2. FLOOR/CEILING ASSEMBLY:** 1 hour rated ASTM E-119 wood framed floor/ceiling assembly.
 - a. Subfloor with or without concrete topping mixture
 - b. Wood or composite wood joists
 - c. Gypsum wallboard

- 3. FIRESTOP SYSTEM, COMPONENT:** Grabber Construction Products, Inc. – GrabberGard EFC* or GrabberGard IFC* – Min. 3/4 in. thickness of fill material applied within the annulus, flush with top surface of floor. Min. 5/8 in. thickness of fill material applied within the annulus, flush with bottom surface of ceiling. Min. 1/2 in. diameter bead of fill material applied at the penetrant/floor and penetrant/ceiling interfaces at point contact locations on both sides of assembly.

*WH Labeled Component

** Not Tested to 50 Pa Pressure Differential as Required by Canadian Code Requirements for Combustible Drain, Waste, or Vent Piping Systems