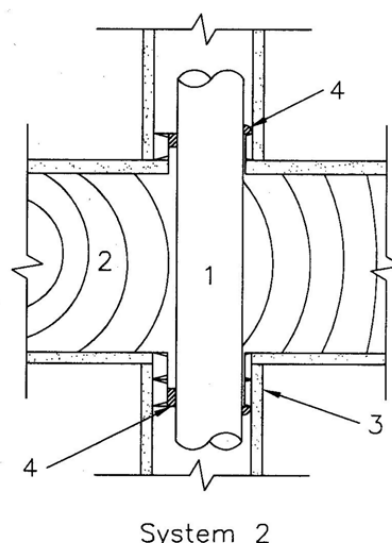
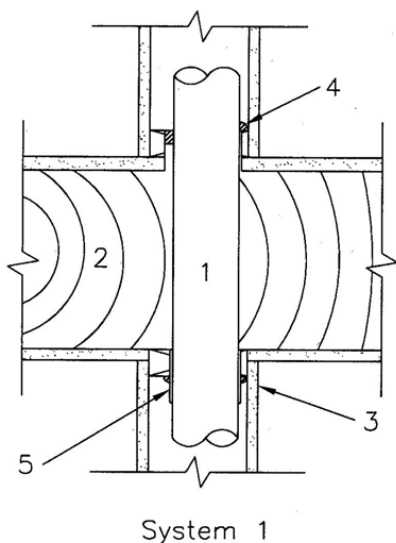


Grabber Construction Products, Inc.
Design No. JWA/PH 60-10
Horizontal Floor/Ceiling Assembly, Single Penetrations
GrabberGard EFC and GrabberGard IFC
Test Standards: ASTM E814, UL 1479: Non-metallic Open and Closed Systems
ULC S115-M11: Non-metallic Open and Closed Systems
Positive Pressure Differential – 50 Pa (0.20 in. of water) Minimum
Rating: 1 Hour

Penetrating Material & Size	Max Hole Size	Annular Space	ASTM E814	ULC S115-M11
			"F" & "T" Rating	"F", "FH", "FTH" Rating
Wirsbo PEX up to 1-1/2 in. (38mm) ID (System 1 & 2)	2 in. (50mm)	0 – 1/2 in. (0 – 13mm)	1 Hour	1 Hour



SYSTEM 1

- 1. PENETRATING ITEM:** Centered or offset in hole, see table above. Single penetration only, max. hole size not to exceed table above.
- 2. FLOOR/CEILING ASSEMBLY:** 1 hour rated ASTM E119 or CAN/ULC S101 wood framed floor/ceiling/wall assemblies with or without concrete topping, having a min. depth of 10-3/4 in. (275mm).
- 3. CHASE WALL ASSEMBLY:** 1 hour rated ASTM E119 or CAN/ULC S101 wood framed wall assembly with single or double header plates.

- 4. FIRESTOP SYSTEM, COMPONENT 1:** Grabber Construction Products, Inc. – GrabberGard EFC* or GrabberGard IFC*, fill all sill plates contained within the wall assembly to a 3/4 in. (18mm) depth. A min. 1/2 in. (13mm) bead of sealant is applied between interface of the header plates and outer layer of plastic pie wrap strip (See Firestop System Component 2). On 0 in. to 1/4 in. (6mm) annular spaces, a 3/8 in. (10mm) diameter fillet bead must be placed around the penetrating item on the surface of the membrane being penetrated.



- 5. FIRESTOP SYSTEM, COMPONENT 2:** PFP Partners WS1* Wrap Strip – Nominal 1/8 in. (3mm) thick intumescent material supplied in 2 in. (50mm) wide strips. Min. one continuous layer of wrap strip friction fitted into annular space such that 1/2 in. (13mm) of the wrap strip extended below the bottom surface of floor/ceiling assembly.

SYSTEM 2

- 1. PENETRATING ITEM:** Offset in hole, see table above. Single penetrations only, max. hole size not to exceed table above.
- 2. FLOOR/CEILING ASSEMBLY:** 1 hour rated ASTM E119 or CAN/ULC S101 wood framed floor/ceiling assemblies, with or without concrete topping, having a min. depth of 10-3/4 in. (275mm).

- 3. CHASE WALL ASSEMBLY:** 1 hour rated ASTM E119 or CAN/ULC S101 wood framed wall assembly with double header plates.
- 4. FIRESTOP SYSTEM, COMPONENT 1:** Grabber Construction Products, Inc. – GrabberGard IFC*, fill all header and sill plates contained within the wall assembly to a 3/4 in. (25mm) depth. On 0 in. to 1/4 in. (6mm) annular spaces, a 3/8 in. (10mm) diameter fillet bead must be placed around the penetrating item on the surface of the membrane being penetrated.

*WH Labeled Component