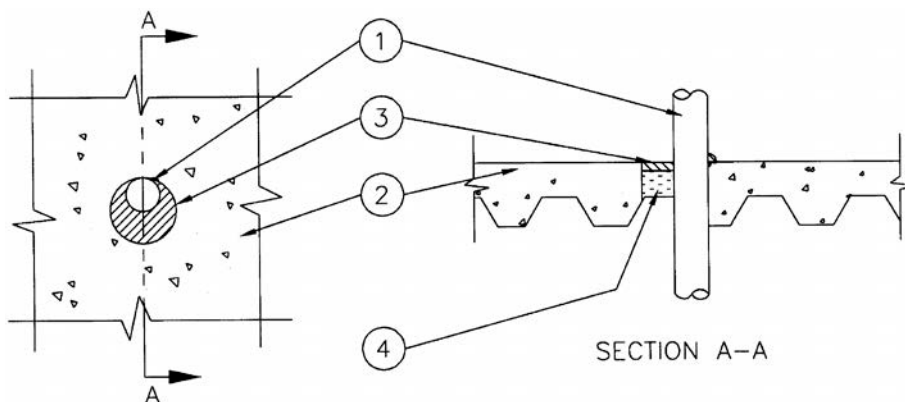


Grabber Construction Products, Inc.
Design No. JWA/PH 120-04
Horizontal Floor Assembly, Single Penetrations Only
GrabberGard EFC and GrabberGard IFC
Test Standards: ASTM E814, UL 1479, ULC S115
Test Furnace Internal Positive Pressure Differential – 2.5 Pa (0.01 in. of water) Minimum
Rating: 2 Hour

Penetrating Material & Size	Max Hole Size	Annular Space	ASTM E 814/UL1479		ULC S115-M95	
			"F"	"T"	"FH"	"FTH"
Steel & Cast Iron Pipe (1" to 24") Sch 40 & up	29"	0" – 4"	2 Hour	30 min.	2 Hour	30 min.



- 1. PENETRATING ITEM:** Centered or offset in hole, see table above. Single penetrations only, max. hole size not to exceed table above.
- 2. FLOOR/CEILING FIRE SEPARATIONS:** Min. 20 GA or heavier galvanized steel decking, with up to 3-1/2 in. (88mm) flute height firmly supported with min. 2-1/2 in. concrete cover.
- 3. FIRESTOP SYSTEM, COMPONENT 1:** Grabber Construction Products, Inc. – GrabberGard EFC* or GrabberGard IFC* product must be installed at a min. thickness of 1/2 in. (13mm) within the annulus on top surface of floor

assembly. On 0 in. to 1/4 in. (6mm) annular spaces, a 1/2 in. (13mm) diameter fillet bead must be placed around the penetrating item.

- 4. FIRESTOP SYSTEM, COMPONENT 2:** Filler material, mineral rock wool insulation with a min. density of 4-6 PCF (68 kg/m³), compressed a min. of 25% into the annular space at a min. depth of 2-1/2 in. (61mm). Recess filler material 1/2 in. (13mm) for sealant placement.

*WH Labeled Component