

## Grabber Construction Products, Inc. Design No. JWA/PH 120-04

## Horizontal Floor Assembly, Single Penetrations Only

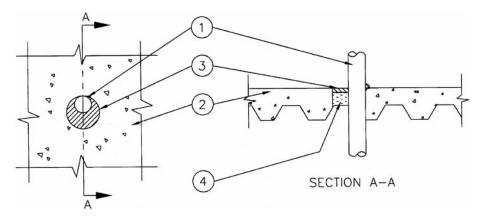
## GrabberGard EFC and GrabberGard IFC

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	Max	Annular	ASTM E 814/UL1479		ULC S115-M95	
Material & Size	Hole Size	Space	"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 GabberGard 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

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