



XHEZC.SP219 Firestop Systems

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Firestop Systems

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System No. SP219

October 03, 2005

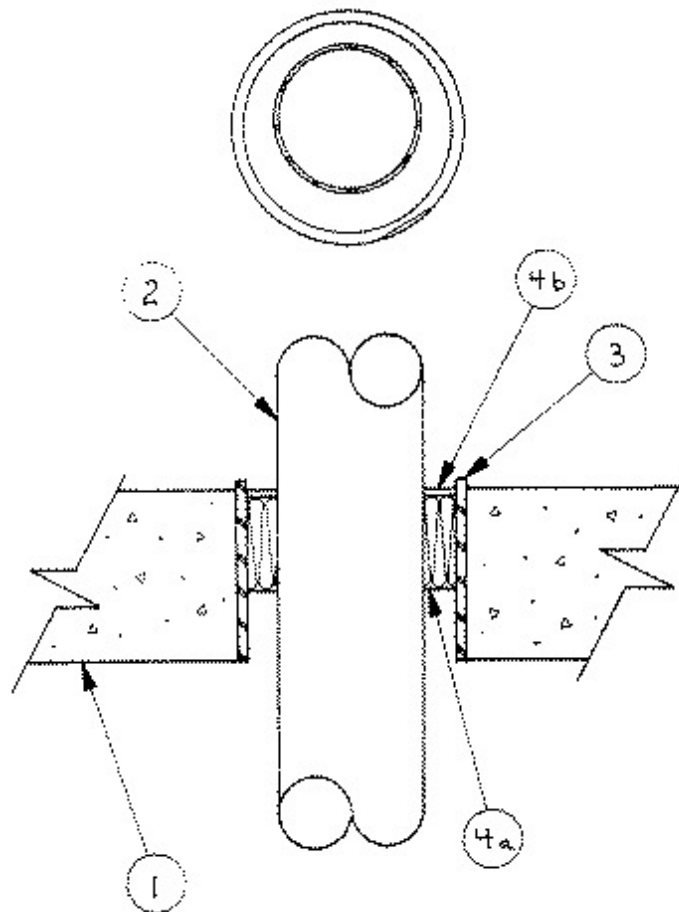
(For Horizontal Separation)

F Rating - 3 h

FT Rating - See Item 4

FH Rating - 0 & 3 h (See Item 3)

FTH Rating - 0 & 3 h (See Item 4)



1. **Floor** — Normal-density concrete, 114 mm thick min. Floor may also be constructed of min 152 mm thick hollow-core precast concrete units having a fire resistance rating equal to or greater than that of the firestop system. Max size of circular opening 283 mm diam. When precast concrete units are used, max diam of opening is 178 mm.

2. **Pipe** — Nom 180 mm diam (or smaller), Schedule 40 (or heavier) steel pipe, or cast or ductile iron pipe, reliably supported above the through-opening. Min space of 25 mm to be maintained between pipe and perimeter of opening.

3. **Steel Pipe Sleeve** — (optional) - Schedule 40 steel pipe sleeve, 283 mm OD (or smaller) cast or grouted into floor or wall assembly flush with floor or wall surfaces. When pipe sleeve is used, FH rating is 0 h.

■ 4. **Firestop System Components** — (XHJZC).

(a). Type "A/D FIREBARRIER Mineral Wool" to be compressed 33% (min) between pipes and perimeter of opening, min depth of 100 mm. A min 5 mm deep space to be left above mineral wool for seal (Item 4b).

(b). For horizontal separations (with the exception of hollow-core precast concrete units), Type "A/D FIREBARRIER Seal" applied over mineral wool (Item 4a) to a min wet depth of 5 mm, or Type "A/D FIREBARRIER Silicone Sealant SL" to a depth of 6.4 mm. If no pipe penetrates the assembly, FT rating is 3 h.

For vertical separations or in floors constructed of hollow-core precast concrete units, Type "A/D FIREBARRIER Seal NS" applied over mineral wool (Item 4a) to a min wet depth of 5 mm, or Type "A/D FIREBARRIER Silicone Sealant" to a depth of 6.4 mm, symmetrically to both sides of the assembly. If no pipe penetrates the assembly, FT rating is 3 h.

Type of Penetrating Items	Ratings, h	
	FH	FT and FTH
No penetrating item or steel sleeve	3	3
Item 2, steel or cast or ductile iron pipe	3	0

A/D FIRE PROTECTION SYSTEMS INC

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