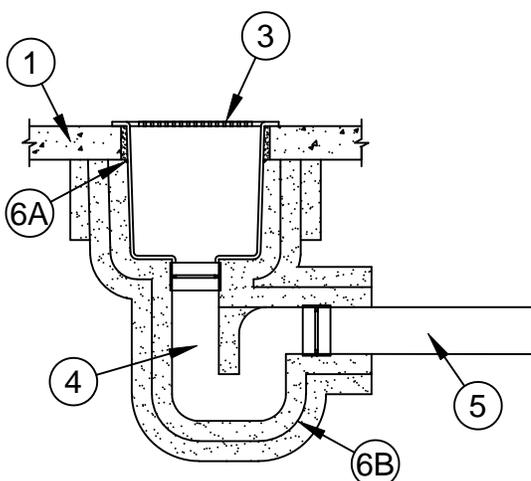


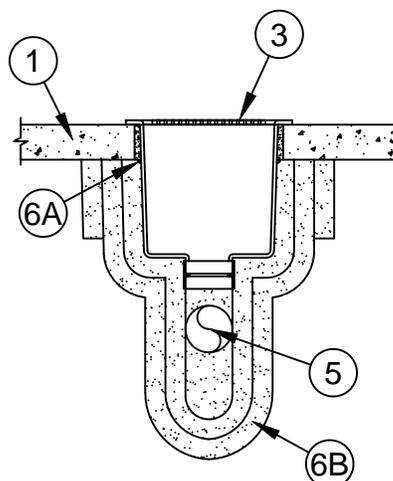
System No. F-A-1169



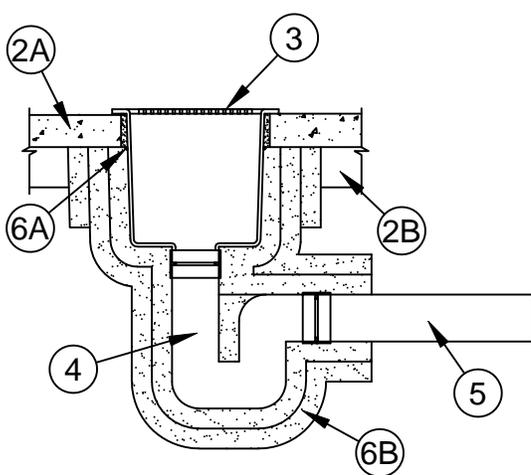
ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
T Rating - 2 Hr	FT Rating - 2 Hr
L Ratings @ Ambient - Less Than 1 CFM/sq ft	FH Rating - 2 Hr
L Ratings @ 400 F - Less Than 1 CFM/sq ft	FTH Rating - 2 Hr
	L Ratings @ Ambient - Less Than 1 CFM/sq ft
	L Ratings @ 400 F - Less Than 1 CFM/sq ft



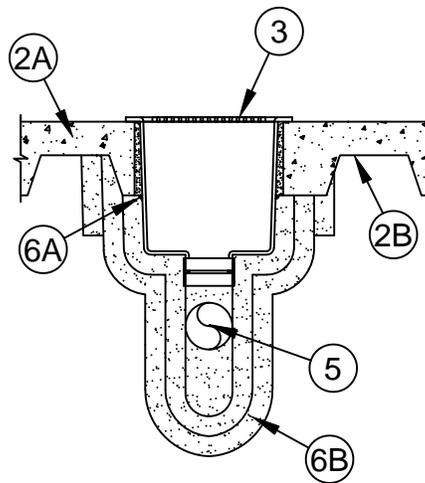
Configuration A
(Side View)



Configuration A
(Front View)



Configuration B
(Side View)



Configuration B
(Front View)

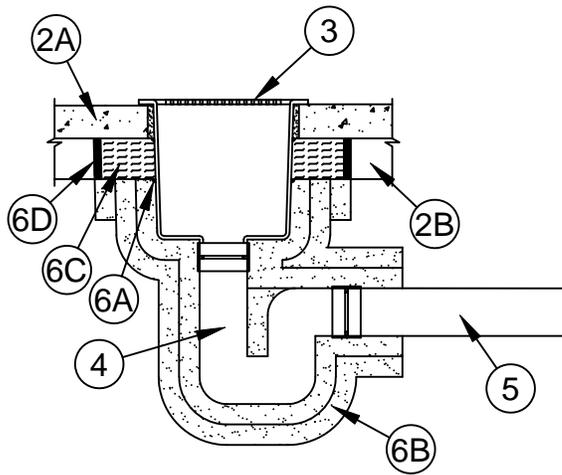


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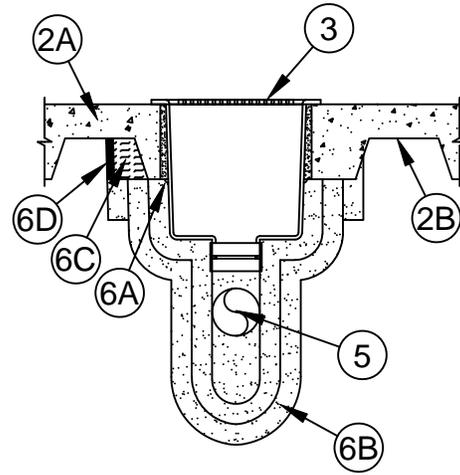
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Configuration C
(Side View)



Configuration C
(Front View)

1. **Floor Assembly** - Min 2-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m³) concrete floor. Floor may also be constructed of any min 6 in. (152 mm) thick hollow core UL Classified **Precast Concrete Units***.
2. **Floor Assembly** - As an alternate to Item 1, the fire-rated unprotected concrete and steel floor assembly shall be constructed of the materials and in the manner specified in the individual D700, D800 or D900 Series designs in the UL Fire Resistance Directory and as summarized below:
 - A. **Concrete** - Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete topping, as measured from the top of the steel floor units.
 - B. **Steel Floor and Form Units*** - Composite or noncomposite 1-1/2, 2 or 3 in. (38, 51 or 76 mm) deep fluted galv units as specified in the individual Floor-Ceiling design.
3. **Floor Sink** - Max 12 in. wide by 12 in. long by 10 in. (305 by 305 by 254 mm) deep cast iron floor sink with cast iron grate. Sink cast or grouted into floor assembly. Metal dome strainer may be used in sink drain. Sink flanges overlap top of floor assembly.
4. **P-Trap - (Optional)** - Max 4 in. (102 mm) diam cast or ductile iron p-trap secured to outlet of floor sink using compression type pipe coupling with elastomeric gasket and a stainless steel jacket with stainless steel band clamps.
5. **Drain Pipe** - Max 4 in. (102 mm) diam steel pipe or cast or ductile iron pipe secured to outlet of floor sink or p-trap (when present) using compression type pipe coupling with elastomeric gasket and a stainless steel jacket with stainless steel band clamps.

Configuration A

6. **Firestop System** - The firestop system shall consist of the following:
 - A. **Fill, Void or Cavity Material* - Sealant** - Min 1/2 in. (13 mm) bead of sealant applied at sink/floor interface
SPECIFIED TECHNOLOGIES INC - SpecSeal SSS Sealant, SpecSeal LCI Sealant
 - B. **Duct Wrap Materials*** - Two layers of nom 1-1/2 in. (38 mm) thick faced or unfaced duct wrap to be tightly wrapped around sink and drain pipe. Duct wrap abuts bottom plane of the steel floor and form units (Item 2B). Both layers of duct wrap shall extend from bottom of floor and cover a minimum of 24 in. (610 mm) length of p-trap and/or drain pipe. An additional 6 in. (152 mm) wide layer of nominal 1-1/2 in. (38 mm) thick duct wrap (faced or unfaced) tightly wrapped around the first two layers flush with bottom plane of the steel floor and form units (Item 2B). Duct wrap layers are held in position using min 24 GA steel wire spaced max 4 in. (102 mm) on center and max 1 in. (25 mm) from ends of layers.
UNIFRAX I L L C - FyreWrap Elite 1.5 Duct Insulation

Configuration B

6. **Firestop System** - The firestop system shall consist of the following:
 - A. **Fill, Void or Cavity Material* - Sealant** -
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- B. **Duct Wrap Materials*** - Two layers of nom 1-1/2 in. (38 mm) thick faced or unfaced duct wrap to be tightly wrapped around sink and drain pipe. Duct wrap cut to the contour of the steel floor and form units (Item 2B). Both layers of duct wrap shall extend from bottom of floor and cover a minimum of 24 in. (610 mm) length of p-trap and/or drain pipe. An additional 6 in. (152 mm) wide layer of nominal 1-1/2 in. (38 mm) thick duct wrap (faced or unfaced) tightly wrapped around the first two layers flush with bottom of floor. Duct wrap layers are held in position using min 24 GA steel wire spaced max 4 in. (102 mm) on center and max 1 in. (25 mm) from ends of layers.

UNIFRAX I L L C - FyreWrap Elite 1.5 Duct Insulation

Configuration C

6. **Firestop System** - The firestop system shall consist of the following:

- A. **Fill, Void or Cavity Material* - Sealant** - Min 1/2 in. (13 mm) bead of sealant applied at sink/floor interface.

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- B. **Duct Wrap Materials*** - Two layers of nom 1-1/2 in. (38 mm) thick faced or unfaced duct wrap to be tightly wrapped around sink and drain pipe. Duct wrap abuts bottom plane of the steel floor and form units (Item 2B). Both layers of duct wrap shall extend from bottom of floor and cover a minimum of 24 in. (610 mm) length of p-trap and/or drain pipe. An additional 6 in. (152 mm) wide layer of nominal 1-1/2 in. (38 mm) thick duct wrap (faced or unfaced) tightly wrapped around the first two layers flush with bottom plane of the steel floor and form units (Item 2B). Duct wrap layers are held in position using min 24 GA steel wire spaced max 4 in. (102 mm) on center and max 1 in. (25 mm) from ends of layers.

UNIFRAX I L L C - FyreWrap Elite 1.5 Duct Insulation

- C. **Duct Wrap Materials*** - For exposed openings in fluted deck, sections of nom 1-1/2 in. (38 mm) thick faced or unfaced duct wrap cut to the contour of the fluted deck and friction fitted to fill opening between duct wrap (Item 6B) and steel floor and form units (Item 2B). Recess duct wrap for sealant (Item 6D).

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- D. **Fill, Void or Cavity Material* - Sealant** - Min 1/4 in. (13 mm) thickness of sealant applied over duct wrap (Item 6C) installed within exposed fluted openings.

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***Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**



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