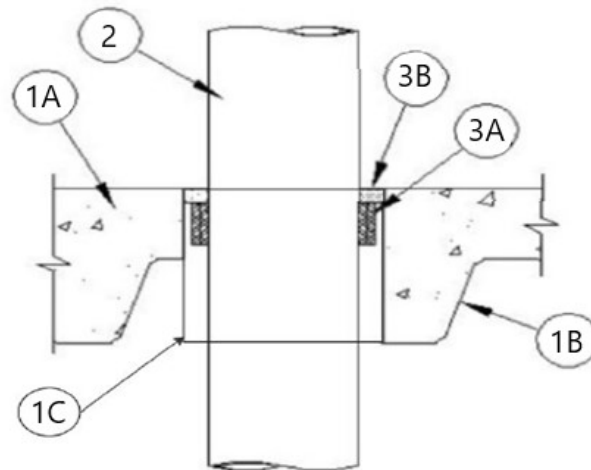


September 04, 2024

CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)
FT Rating — 0 Hr
FH Rating — 0 Hr
FTH Rating — 0 Hr
L Rating At Ambient — Less Than 5.1 L/s/m²
L Rating At 204°C — Less Than 5.1 L/s/m²



System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side. (See Item 2)

1. Floor Assembly — Min 152 mm (6 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m³ or 100-150 pcf) concrete. Max diam of opening is 203 mm (8 in.).

1A. Floor Assembly — As an alternate to Item 1. The fire-rated unprotected concrete and steel or concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Concrete — Min 64 mm (2-1/2 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m³ or 100-150 pcf) concrete.

B. Steel Floor and Form Units* — Composite or noncomposite max 76 mm (3 in.) deep galv steel fluted units as specified in the individual Floor-Ceiling design. Max diam of opening is 203 mm (8 in.).

C. Metallic Sleeve — Required when 1A floor assembly is used. Nom 203 mm (8 in.) diam (or smaller) cylindrical sleeve fabricated from min 0.41 mm (0.016 in.) thick (No. 30 gauge) galv sheet steel and having a min 25 mm (1 in.) lap along longitudinal seam. Length of sleeve to be installed flush with bottom surface of steel deck or min 140 mm (5-1/2 in.) length.

2. Through Penetrant — One nonmetallic penetrant to be installed concentrically or eccentrically within the firestop system. Nom annular space within the firestop system is 19 mm (3/4 in.) Penetrant to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of nonmetallic penetrant may be used:

A. Polyvinyl Chloride (PVC or uPVC) Pipe — Nom 152 mm (6 in.) diam (or smaller) Schedule 40 cellular or solid core PVC or uPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.

B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 152 mm (6 in.) diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) piping systems.

C. Polyvinyl Chloride-XFR (PVC-XFR) Pipe— Nom 152 mm (6 in.) diam (or smaller) Schedule 40 solid core PVC-XFR pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems

D. Rigid Nonmetallic Conduit+ — Nom 152 mm (6 in.) diam (or smaller) Schedule 40 PVC conduit installed in accordance with the National Electrical Code (NFPA 70).

3. Firestop System —The firestop system shall consist of the following:

A. Fill, Void or Cavity Materials* — Nom 2 mm (1/16 in.) thick by 3 in. (76 mm) wide intumescent joint strip. The number of wrap strip layers require is dependent the nom diam of penetrant as shown in the table below. Strips tightly wrapped continuously around the outer circumference of the penetrant and held in place with tape. Joint strip slid into the annular space with the bottom edge of the joint strip recessed 70 mm (2-3/4 in.) from bottom surface of the floor.

Max Opening Diam mm (in.)	Nom Diam of Pipe mm (in.)	No. of Wrap Strip Layers
102 (4)	51 (2)	3
127 (5)	76 (3)	4
152 (6)	102 (4)	5
203 (8)	152 (6)	7

RECTORSEAL — [Metacaulk Joint Strip](#)

B. Fill, Void or Cavity Material+ — Caulk — Min 6 mm (1/4 in.) thickness of fill material applied within the annulus, flush with top surface of floor.

RECTORSEAL — [Metacaulk 1000](#), [Metacaulk 150+](#), [Metacaulk 1200](#)

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