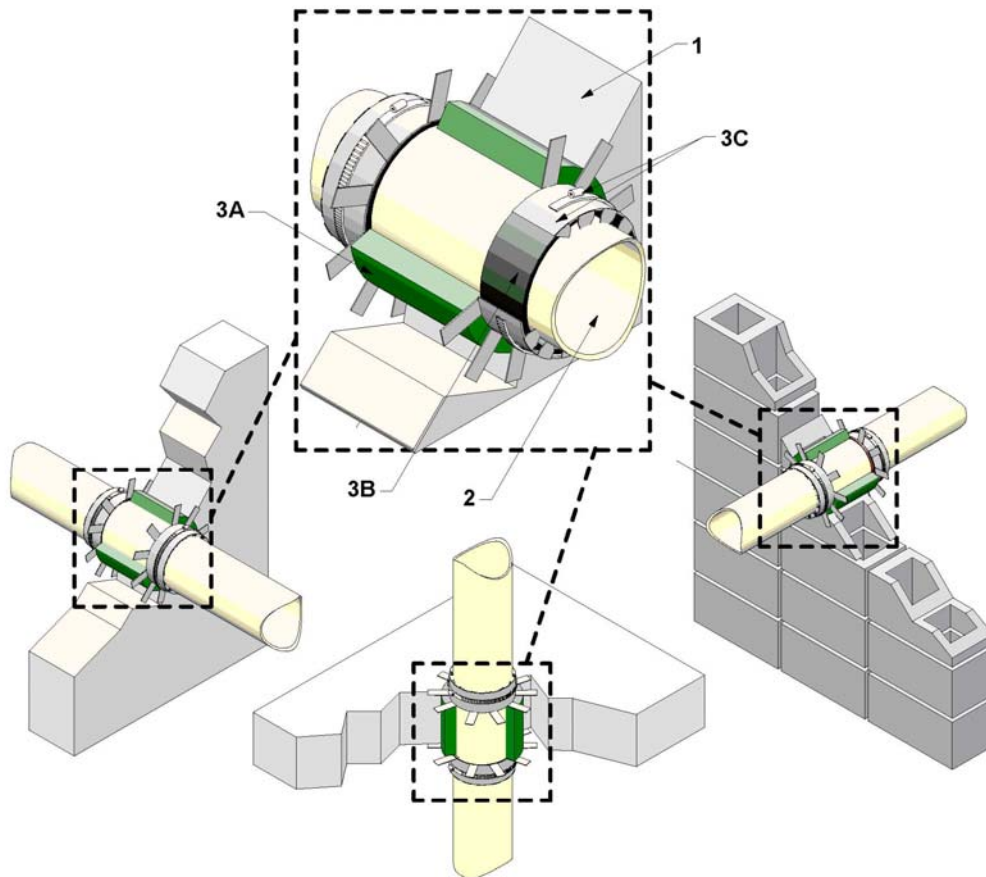

Tremco, Inc.
TL/PF 120-03
Tremco SuperStrip SS-R4
CAN/ULC S115-05 at 50Pa (0.20" of Water)
F-Rating: 2 Hours
FT-Rating: 89 Minutes
FH-Rating: 0 Hour
FTH-Rating: 0 Hour



1. FLOOR/CEILING OR WALL ASSEMBLY - Use a two-hour fire-rated floor/ceiling or wall assembly consisting of minimum 4-1/2-inch (114 mm) thick normal weight reinforced concrete having a nominal density of 100-150 pcf (1600-2400 kg/m³). As an alternative to a concrete wall assembly, construct wall assembly using concrete masonry units (CMU) of sufficient thickness in order to achieve a 2-hour rating. Create a 15-inch (381 mm) diameter round through-opening in the floor/ceiling or wall assembly.
2. PENETRATING ITEM – Install one of the following 12-inch (305 mm) diameter

penetrating items concentrically in the through opening created in the floor/ceiling or wall assembly (Item 1):

- Schedule 40, solid or cellular core Polyvinyl Chloride (PVC) pipe for use in vented or closed systems.
- Schedule 40 Rigid PVC Non-Metallic Conduit installed in accordance with the National Electric Code (NFPA 70)

Rigidly support penetrating item on underside of floor/ceiling assembly or on both sides of the wall assembly (Item 1).

3. PENETRATION FIRESTOP SYSTEM:
Construct penetration firestop system using the following components:

A. PACKING MATERIAL: Install nominal 4 pcf density mineral wool in the annular space between the opening in the floor/ceiling or wall assembly (Item 1) and the penetrating item (Item 2). Tightly pack the mineral wool so that the entire annular space throughout the floor/ceiling or wall assembly (Item 1) is filled.

B. CERTIFIED COMPANY: Tremco, Inc.

CERTIFIED PRODUCT: Intumescent Wrap Strip

MODEL: Tremco SuperStrip SS-R4

Install three (3) layers of nominal 3/8 inch (10 mm) by 1-1/2 inch (38 mm) wide Tremco SuperStrip SS-R4 wrap strip faced on both sides with a plastic film tightly wrapped around penetrating item (Item 2) with edges butted against one side of the floor/ceiling or wall assembly (Item 1). The wrap strips may be installed with butted seams in successive layers aligned or offset or continuously wrapped around the penetrating item (Item 2). Install second level of wrap strip containing three (3) layers using the same method described above by butting the second level of wrap strip with the first. Temporarily

hold wrap strip layers in place with aluminum foil tape. Repeat process on opposite side of floor/ceiling or wall assembly (Item 1) after installing packing material (Item 3C).

C. FIELD FABRICATED COLLAR: Install nominal 1-1/2 inch (38mm) deep collar with 1 inch (25mm) wide by 2 inch (51mm) long anchor tabs for attachment to concrete and minimum 1/2-inch (13 mm) wide retaining tabs located opposite the anchor tabs. Install collar with anchor tabs bent outward 90°, wrapped tightly around wrap strip layers with minimum 1 inch (25mm) overlap at seam. Bend the pointed tabs extending below the wrap strip 90° toward the penetrating item (Item 2), to retain the layers of wrap strip. Install two (2) nominal 1/2-inch (13mm) wide by 0.028-inch (0.7mm) thick stainless steel hose clamps around the outside of the collar and tighten ensuring there is one hose clamp over each level of wrap strip. Install six (6) #10 x 3/4-inch (19 mm) zinc coated self tapping screws through each hose clamp, into the collar. Install a minimum of eight (8), 3/16-inch x 1-1/4-inch (5 mm x 32 mm) concrete anchors, evenly spaced (approx. 6-inches or 152 mm) around the penetrating item (Item 2), through the tabs to secure the collars to the floor/ceiling or wall assembly (Item 1).