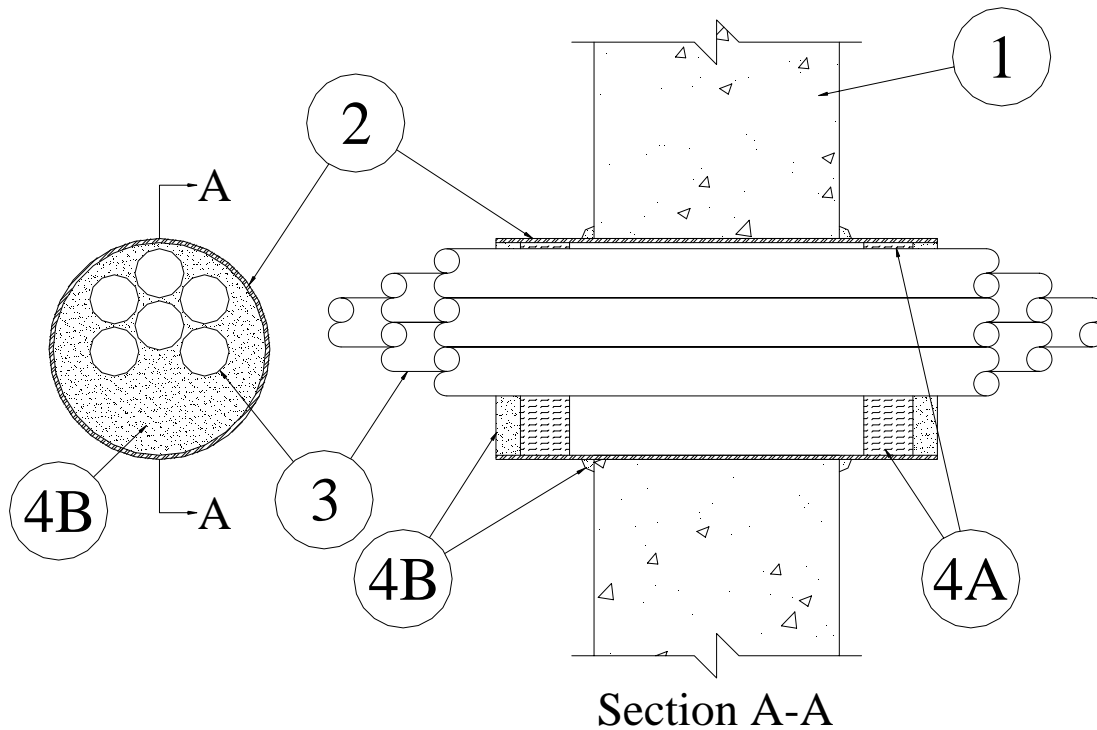


System No. W-J-3093

August 12, 2008
F Rating — 2 Hr
T Rating — 3/4 Hr
(UL/cUL)



- 1. Wall Assembly** — Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf (1600-2400 kg/cu meter)) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4-1/2 in. (114 mm).
See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.
- 2. Steel Sleeve** — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or heavier) steel pipe cast into wall assembly with hydraulic cement. Sleeve installed such that the ends project 1-1/2 to 2 in. (38 to 51 mm) beyond each side of the wall.
- 3. Cables** — Aggregate cross-sectional area of cables in sleeve to be max 56 percent of the cross-sectional area of the sleeve. Tight bundle of cables to be concentrically or eccentrically within the steel sleeve. The annular space within the firestop system shall be a min of 1/4 in. (6 mm) to a max of 1-1/2 in. (38 mm). Cables to be rigidly supported on both sides of the wall. Any combination of the following types and sizes of cables may be used:
 - A.** Max 200 pair No. 24 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacketing material.
 - B.** Max 1/C No. 350 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.
 - C.** Max 7/C No. 12 AWG (or smaller) copper conductor power and control cables with XLPE or PVC insulation with XLPE or PVC jacket.
 - D.** Max 3/C No. 3/0 AWG (or smaller) copper or aluminum conductor SER cables with PVC insulation and jacket.
 - E.** Max 3/C No. 2/0 AWG (or smaller) copper conductor PVC jacketed aluminum clad or steel clad TEK cable.
 - F.** Max 110/125 fiber optic (F.O.) cable with PVC insulation and jacket.
 - G.** Max 3/C with ground No. 8 AWG (or smaller) copper conductor NM cable (Romex) with PVC insulation and jacket.
 - H.** Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.
 - I.** Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with Mylar jacket and insulation.

4. Firestop System – The firestop system shall consist of the following:
- A. **Packing Material** – Min 1 in. (25 mm) thickness of min 4 pcf (64 kg/cu meter) mineral wool batt insulation tightly packed into opening as a permanent form. Packing material recessed from each end of sleeve as required to accommodate the required thickness of fill material.
 - B. **Fill, Void or Cavity Material* - Caulk** – Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with each end of sleeve. Caulk to be forced into interstices of cable group to max extent possible. A min 1/4 in. (6 mm) diam bead of caulk shall be applied at the concrete wall/steel sleeve interface on both sides of the wall.

TREMCO INC – TREMstop Acrylic, TREMstop Intumescent Acrylic, FyreCaulk, Fyre-Sil or TREMstop IA+

*Bearing the UL Classification Mark



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