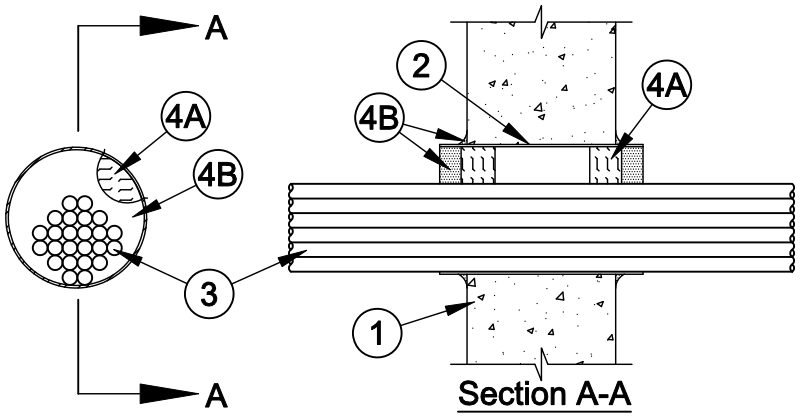
System No. W-J-3044

F Rating - 2 Hr
T Rating - 0 Hr



Section A-A

1. **Wall Assembly -** Min 6 in. thick lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*.** Max diam of opening is 6 in.

   See Concrete Blocks* (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Sleeve -** Cylindrical sleeve fabricated from 0.0165 in. thick (28 gauge) galv sheet steel and having a min 2 in. lap along the longitudinal seam. Length of sleeve to be 2 in. greater than the thickness of the wall. Sleeve installed by coiling the sheet steel to a diam smaller than the through opening, inserting the coil through the opening and releasing the coil to let it uncoil against the circular opening in the wall assembly. The ends of the steel sleeve shall extend 1 in. beyond each surface of the wall.

3. **Cables -** Aggregate cross-sectional area of cables in sleeve to be max 46 percent of the cross-sectional area of the sleeve. Cables to be tightly bundled. The annular space within the firestop system shall be min 0 in. (point contact) to 1-1/2 in. max. 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 cable with polyvinyl chloride (PVC) jacketing and insulation.

   B. Max 1/C, 750 kcmil power cable with copper conductors and cross- linked polyethylene (XLPE) jacketing.

   C. Max 3/C No. 2/0 AWG (or smaller) aluminum or copper conductor service entrance cable with PVC insulation and jacket.

   D. Max 3/C No. 8 AWG (or smaller) nonmetallic sheath (Romel) cable with copper conductors, PVC insulation and jacket.

   E. Max 7/C No. 2/0 AWG (or smaller) multiconductor power and control cables with XLPE or PVC insulation and XLPE or PVC jacket.

   F. Max RG59/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacketing.

   G. Max 62.5/48 fiber optic cable with PVC insulation and jacketing.

   H. Max 4/C No. 2/0 aluminum or copper conductor aluminum or steel Metal-Clad# or Armored-Clad# cable.

   I. Max 4 pair No. 24 AWG (or smaller) copper conductor category 5 with Hylar insulation and jacket.

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

   A. **Packing Material -** Min 1 in. thickness of mineral wool batt insulation firmly packed into sleeve on both sides of the wall assembly. Packing material to be recessed 1/2 in. from the ends of the sleeve.

   B. **Fill, Void or Cavity Material* - Sealant -** Min 1/2 in. thickness of fill material applied within annulus, flush with ends of sleeve on both sides of the wall. At point contact, applied min 1/4 in. bead of fill material at the cable bundle/steel sleeve interface on both sides of the wall. Additional fill material forced into grouped cable interstices to max extent. A nom 1/4 in. diam bead of sealant shall be applied around the circumference of the sleeve at its egress from the concrete wall on both sides of the wall.

   SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI Sealant

   *Bearing the UL Classification Marking

   #Bearing the UL Listing Mark