1. **Wall Assembly** — Min 6 in. (152 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 area of opening is 33 sq in. (213 sq cm) with max dimensions of 11 in. (279 mm).

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

2. **Through Penetrants** — One or more pipes, conduits or tubing to be installed within the opening. The space between pipes, conduits or tubing shall be a nom 1/2 in. (13 mm). The space between pipes, conduits or tubing and periphery of opening shall be min 0 in. (point contact) to max 3/4 in. (19 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of pipes, conduits or tubing may be used:
   A. **Steel Pipe** — Nom 2 in. (51 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
   B. **Iron Pipe** — Nom 2 in. (51 mm) diam (or smaller) cast or ductile iron pipe.
   C. **Conduit** — Nom 2 in. (51 mm) diam (or smaller) steel electrical metallic tubing or rigid steel conduit.

3. **Firestop System** — The firestop system shall consist of the following:
   A. **Packing Material** — Min 2-1/2 in. (64 mm) thickness of min 4 pcf (64 kg/cu meter) mineral wool batt insulation compressed and firmly packed into opening as a permanent form. Packing material recessed from both surfaces of wall as required to accommodate the required thickness of fill material.
   B. **Fill Void or Cavity Materials** — **Sealant** — Min 1/2 in. (13 mm) thickness of fill material applied within annulus, flush with both surfaces of wall.

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

*Bearing the UL Classification Mark