System No. W-J-2013

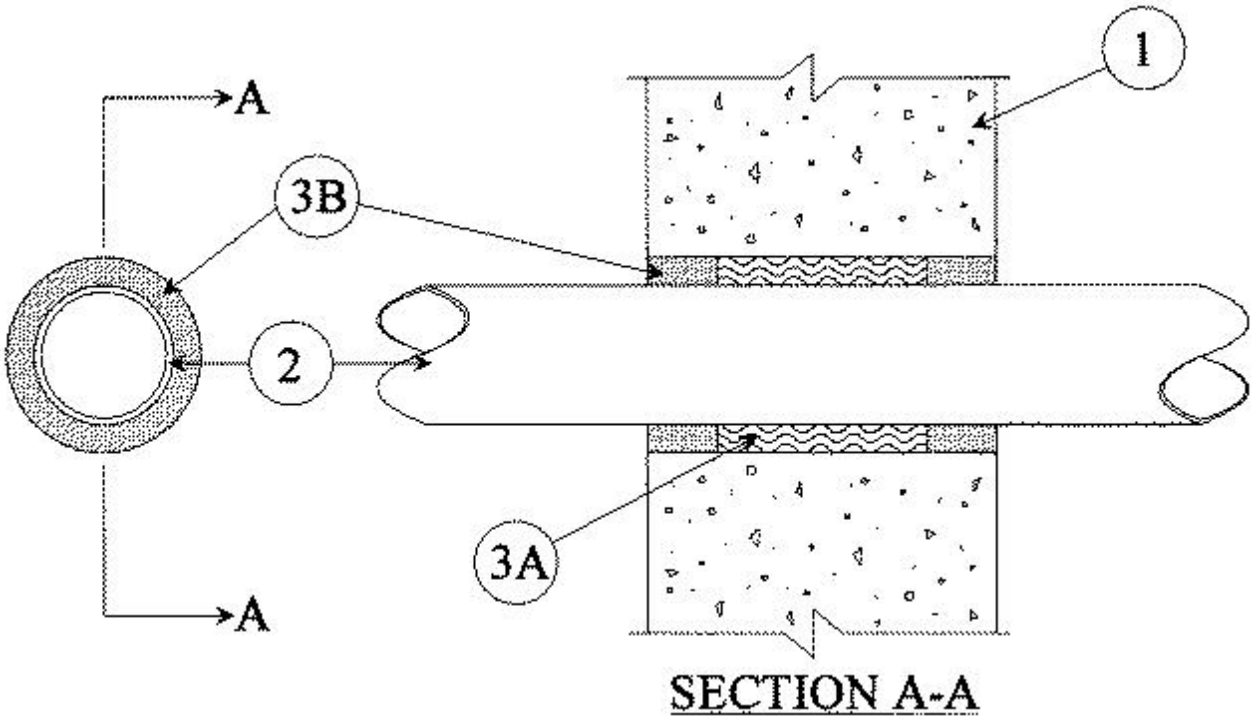
December 09, 2008

F Rating — 2 Hr

T Rating — 2 Hr

L Rating At Ambient — Less Than 1 CFM/sq ft

L Rating At 400 F — Less Than 1 CFM/sq ft



SECTION A-A

1. **Wall Assembly —** Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks*.** Max diam of opening is 3-1/2 in.

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

2. **Nonmetallic Pipes —** One nonmetallic pipe to be centered within the firestop system. A nom annular space of 9/16 in. is required within the firestop system. Pipe to be rigidly supported on both sides of the wall assembly. The following types and sizes of metallic pipes may be used:

A. **Polyvinyl Chloride (PVC) Pipe —** Nom 2 in. diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) piping systems.

B. **Chlorinated Polyvinyl Chloride (PVC) Pipe —** Nom 2 in. diam (or smaller) SDR 17 CPVC pipe for use in closed (process of supply) piping systems.

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

A. **Packing Material —** Min 2-1/2 in. thickness of min 3.5 pcf fiberglass insulation wrapped around through penetrant and secured together by means of No. 24 AWG steel tie wire. Packing material shall be centered at mid-depth of opening and recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Caulk —** Min 1-1/4 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.

*Bearing the UL Classification Mark