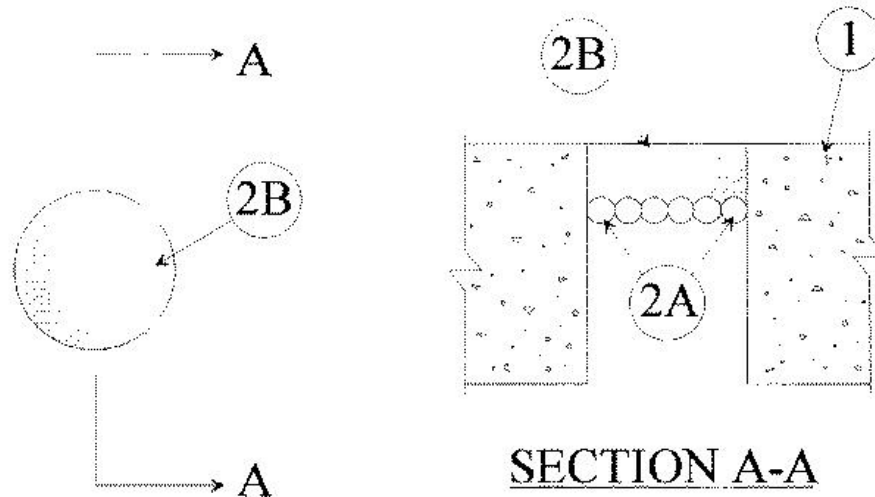


**F Rating — 3 Hr**  
**T Rating — 1 Hr**



- 1. Floor or Wall Assembly** — Min 4-1/2 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 4 in. See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.
- 2. Firestop System** — The firestop system shall consist of the following:
  - A. Packing Material** — Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
  - B. Fill, Void or Cavity Material\* — Putty** — Min 3/4 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.  
**RECTORSEAL** — [Metacaulk Fire Rated Putty](#)

\*,+ Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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