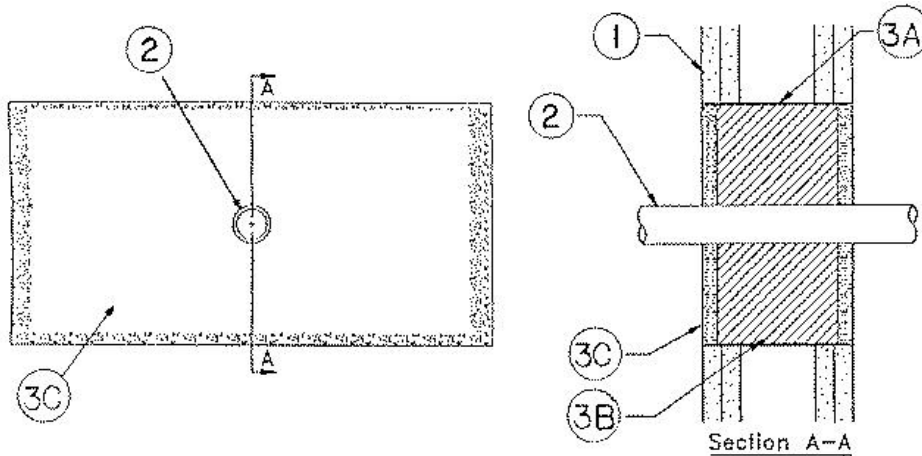


F Rating — 2 Hr  
T Rating — 1-1/2 Hr



1. **Wall Assembly** — The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.

B. **Gypsum Board\*** — Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max area of opening is 128 square in. with max dimension of 16 in. Max width of opening in wood stud walls is limited to 14-1/2 in.

2. **Metallic Pipe** — Nom 1 in. diam (or smaller) steel electrical metallic tubing or steel conduit. One conduit to be centered within the firestop system. Min spacing between conduit and outside perimeter of opening to be 3-1/2 in. Conduit to be rigidly supported on both sides of wall assembly.

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

A. **Steel Wire Mesh** — Rectangular sleeve fabricated from No. 8 steel wire mesh having a min 1 in. lap along the longitudinal seam. Length of steel wire mesh to be 4-3/4 in., centered and formed to fit periphery of through opening.

B. **Packing Material** — Min 4.0 in. thickness of min 3.5 pcf mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

C. **Fill, Void or Cavity Material\*** — **Caulk** — Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall.

**RECTORSEAL** — [Metacaulk 950](#)

\*,+ 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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