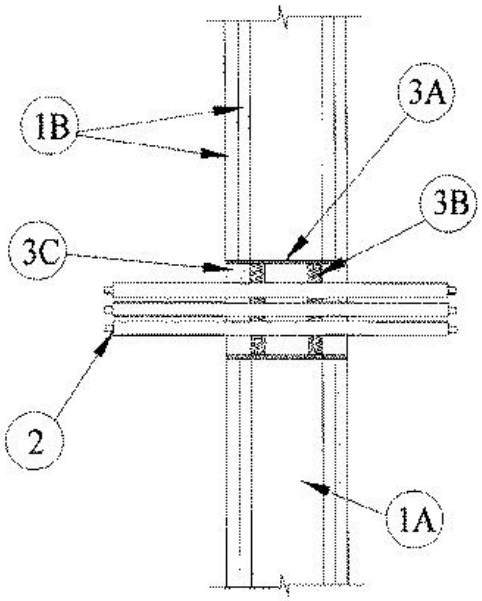
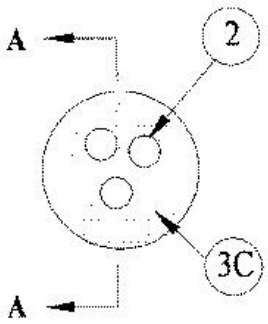
F Rating — 2 Hr
T Rating — 1-1/2 Hr



SECTION A-A



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 diam of opening to be 2-1/2 in.

2. **Cables —** Aggregate cross-sectional area of cables in opening to be max 10 percent of the aggregate cross-sectional area of the opening. Cables to consist of max 25 pair No. 24 AWG telephone cables; polyvinyl chloride insulation and jacket material. Min separation between cables shall be 3/8 in. Cables 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 —** No. 8 steel wire mesh having a min 1 in. lap along the longitudinal seam. Length of steel wire mesh to be 4 in., centered and formed to fit periphery of through opening.

B. **Packing Material —** 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. As an option to the above, backer rod and/or foamed plastic backer material may be used.

C. **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. Caulk to be forced into interstices of cable group to max extent possible.
RECTORSEAL — MC-150 Caulk

*,+ 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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