System No. WH-L-2299
May 19, 2005
F Ratings - 1 & 2 Hr (See Item 1) T Rating - 0 Hr

1. Wall Assembly - The 1 or 2 hr fire resistance rated wall assembly shall be constructed of the materials and in the manner described in the individual UL605, UL408 or UL437 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

a. Base - Wall framing shall consist of either wood studs or steel channel studs. Wood studs shall be at least 2 in. by 6 in. (51 mm by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs shall be 2 in. by 2 in. (51 mm by 51 mm) spaced 32 in. (813 mm) OC.

b. Insulation Board - The gypsum board type, thickness, number of layers, fastener type and spacing shall be as specified in the individual UL605 or UL408 Series Design in the UL Fire Resistance Directory. Max. size of opening is 32 in. by 32 in. (813 mm by 813 mm).

The hourly fire rating ofyw the fireproof system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrations - On nonmetallic pipe or conduit installed eccentrically or concentrically within spacing. An area space between Penetration and periphery of opening to be

a. Polyethylene Chloride (PVC) Pipe - Nom 2 in. (51 mm) dia. (or smaller) Schedule 40 solid core or cellular core PVC pipe for use in closed (pressure or supply) or vented (drain, waste or vent) piping systems.

b. Black Polyethylene Pipe (PWP) Pipe - Nom 2 in. (51 mm) dia. (or smaller) Schedule 40 PVC pipe for use in closed (pressure or supply) or vented (drain, waste or vent) piping systems.

c. Black Polyethylene Pipe (PWP) Pipe - Nom 11/2 in. (38 mm) dia. (or smaller) Schedule 40 PVC pipe in accordance with Article 347 of the National Electrical Code (NFPA No. 70).

d. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 2 in. (51 mm) dia. (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (pressure or supply) or vented (drain, waste or vent) piping systems.

See Electrical Construction Materials Directory for names of manufacturers.

3. Rigid or Metallic Materials - Rigid or Metallic Materials - Min 5/8 in. (16 mm) thickness of cast iron applied to both surfaces of wall, Min 1/2 in. (13 mm) of cast iron applied to both surfaces of wall at points of contact drivers on both sides of wall.

3M COMPANY (215406) + CP 225W+ cast or FS-2250W++ cast

(Note: CP 225W+ cast walls - not suitable for use with CPWx.

*Meets the UL Classification Marking requirements.

**Applying the UL Listing Mark.

3M Fire Protection Products