CONTRACT: SBC - 166/005-02-2013

A. Wall Assembly - The 1, 2, 3 or 4 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the following:

1. Studs - Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nominal 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) centers. Steel studs to be 3-1/2 in. (89 mm) wide spaced max 24 in. (610 mm) OC. When wood studs are used, the assembly is limited to 1 and 2 hr. ratings.

2. Gypsum Board - Thickness, type, number of layers and fasteners as required in the individual Wall and Partition Design. Max diam of opening is 5 in. (127 mm) for wood stud walls and 14-1/2 in. (368 mm) for steel stud walls.

The hourly F Rating of the firestop system is 1 hr when installed in a 1 hr fire rated wall and 2 hr when installed in a 2 hr fire rated wall.

B. Through Penetrants - One metallic pipe or tubing installed either concentrically or eccentrically within the firestop system. Pipe, conduit or tubing to be Schedule 10 (or heavier) steel pipe, Schedule 40 solid core or cellular core ABS pipe, or nominal 2 in. (51 mm) diam copper tubing.

1. Steel Pipe - Nom 24 in. (610 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

2. Copper Tubing - Nom 4 in. diam (or smaller) Type L (or heavier) copper tubing.

3. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

C. Firestop Device - As an alternate to Item A and B when nom 1-1/2, 2, 3 or 4 in. (38, 51, 76 and 102 mm) diam nonmetallic pipes are used, a firestop device may be used in conjunction with the firestop system. The firestop device shall be installed as specified in the manufacturer's instructions.

D. Fill, Void or Cavity Material - Caulk or Sealant - Min 5/8. 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (foil side out) with seam butted. Wrap strip layer securely with additional layers of wrap strip as needed.

AS-BUILT RECORDS

1. Steel Pipe - Nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

2. Copper Tubing - Nom 2 in. (51 mm) wide strips. Nom 1 in. (25 mm) wide strips tightly wrapped around nonmetallic pipe (foil side exposed) with the edges butted against the surface of the wall.

3. Acrylonitrile Butadiene Styrene (ABS) Pipe - Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid core or cellular core ABS pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

D. Firestop Device - As an alternate to Item A and B when nom 1-1/2, 2, 3 or 4 in. (38, 51, 76 and 102 mm) diam nonmetallic pipes are used, a firestop device may be used in conjunction with the firestop system. The firestop device shall be installed as specified in the manufacturer's instructions.

E. Fill, Void or Cavity Material - Caulk or Sealant - Min 5/8. 1-1/4, 1-7/8 and 2-1/2 in. (16, 32, 48 and 64 mm) wide strips. Nom 2 in. (51 mm) wide strip tightly wrapped around pipe covering (foil side out) with seam butted. Wrap strip layer securely with additional layers of wrap strip as needed.