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System No. W-L-8071

- WL 8071
- 2. Metallic Penetrants One or more metallic pipes, conduits or tubing installed concentrically or eccentrically within the opening. Annular space between metallic penetrants and periphery of opening to be min 0 in. (point contact) to max 2 in. (51 mm). Annular space between metallic penetrants, nonmetallic penetrant and cables to be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). Metallic pipes, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be installed within the opening: A. Steel Pipe Nom 2 in. (51 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe Nom 2 in. (51 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Conduit Nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or electrical metallic tubing (EMT).
 - D. Through Penetrating Product* Flexible Metal Piping The following types of steel flexible metal gas piping may be used:
 - 1.) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
 - OMEGA FLEX INC
 - 2.) Nom 1 in. (25 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
 - GASTITE, DIV OF TITEFLEX
 - 3.) Nom 2 in. (51 mm) diam (or smaller) steel flexible metal gas piping. Plastic covering on piping may or may not be removed on both sides of floor or wall assembly.
 - WARD MFG L L C
 - The T, FT, FTH Ratings of the firestop system are 1/2 hr except that when Item 2D is used, the T Rating is 0 hr.
- 3. Electrical Nonmetallic Tubing (ENT)+ Nom 2 in. (51 mm) diam (or smaller) ENT formed of PVC, installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70). Max one ENT installed concentrically or eccentrically within the opening. Annular space between ENT and periphery of opening to be min 1/4 in. (6 mm) to max 2 in. (51 mm). Annular space between ENT and metallic penetrants or cables to be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). ENT to be rigidly supported on both sides of the wall assembly.
 - See Electrical Nonmetallic Tubing (FKHU) in UL Electrical Construction Materials Directory for names of manufacturers.
- 4. Cables Nom 4 in. (102 mm) diam (or smaller) tight bundle of cables. Cable bundle spaced 0 in. (point contact) to 2 in. (51 mm) from periphery of opening. Cable bundle to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of cables may be used:
 - A. Max 200 pair No. 24 AWG (or smaller) copper conductor with polyvinyl chloride (PVC) insulation and jacket materials.
 - B. Max 1/C No. 500 kcmil (or smaller) copper conductor cable with cross-linked polyethylene (XLPE) jacket.
 - C. Max 3/C with ground No. 2/0 AWG (or smaller) aluminum conductor SER cables with PVC insulation and jacket.
 - D. Max 3/C No. 8 AWG (or smaller) copper conductor metal clad cable.
 - E. Max 4 pair No. 24 AWG (or smaller) copper conductor communication cable.
 - F. Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.
- 5. Firestop System The firestop system shall consist of the following:
 - A. Fill, Void or Cavity Material* Sealant Min 5/8 in. (16 mm) thickness of fill material applied within annulus flush with both surfaces of wall. At point contact locations, apply a min 1/2 in. (13 mm) diam bead of fill material at the penetrant/gypsum board interface.
 - HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC FS-One Sealant or FS-ONE MAX Intumescent Sealant
- * Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.
- +Bearing the UL Listing Mark



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