

## Appendix D

approved by the Authority Having Jurisdiction, and shall otherwise conform to the installation requirements thereof. [NFPA 501A:4.3.6.3]

**D 35.0 Gas Piping Installations.**

**D 35.1 Minimum Burial Below Ground Level and Clearances.** All gas piping installed below ground level shall have an earth cover of not less than 46cm (18 in.) and shall be installed with not less than 30cm (12 in.) of clearance in any direction from any other underground utility system. [NFPA 501A:4.3.7.1]

**D 35.2 Metallic Gas Piping.**

**D 35.2.1** Metallic gas piping systems shall be installed in accordance with approved plans and specifications, including provisions for cathodic protection. Each cathodic protection system shall be designed and installed to conform to the provisions of 49 CFR 192, *Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Guidelines* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 501A: 4.3.7.2.1, 4.3.7.2.2]

**D 35.2.2** Where the cathodic protection system is designed to protect only the gas piping system, the gas piping system shall be electrically isolated from all other underground metallic systems or installations. Where only the gas piping system is cathodically protected against corrosion, a dielectric fitting shall be used in the M/H gas connection to insulate the M/H from the underground gas piping system. [NFPA 501A:4.3.7.2.3, 4.3.7.2.4]

**D 35.2.3** Where a cathodic protection system is designed to provide all underground metallic systems and installations with protection against corrosion, such systems and installations shall be electrically bonded together and protected as a whole. [NFPA 501A:4.3.7.2.5]

**D 35.3 Plastic Gas Piping.** Plastic gas piping shall only be used underground and shall be installed with an electrically conductive wire for locating the pipe. The wire used to locate the plastic pipe shall be copper, not smaller in size than No. 18 AWG, with insulation approved for direct burial. Every portion of a plastic gas piping system consisting of metallic pipe shall be cathodically protected against corrosion. [NFPA 501A:4.3.7.3]

**D 35.4 Gas Piping System Shutoff Valve.** A readily accessible and identifiable shutoff valve controlling the flow of gas to the entire M/H community gas piping system shall be installed near the point of connection to the service piping or to the supply connection of an LPG container. [NFPA 501A: 4.3.7.4]

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**D 36.0 Liquefied Petroleum Gas Equipment.**

LPG equipment shall be installed in accordance with the applicable provisions of NFPA 58, *Liquefied Petroleum Gas Code* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 501A:4.3.8]

**D 37.0 Oil Supply.**

The following three methods of supplying oil to an individual M/H site shall be permitted:

- (1) Supply from an outside underground tank.
- (2) Supply from a centralized oil distribution system designed and installed in accordance with accepted engineering practices and in compliance with NFPA 31, *Standard for the Installation of Oil-Burning Equipment* or equivalent International Standard(s) approved by the Authority Having Jurisdiction.
- (3) Supply from an outside above ground tank.

**D 37.1 Minimum Oil Supply Tank Size.** Oil supply tanks shall have a minimum capacity equal to 20 percent of the average annual oil consumption. [NFPA 501A:4.3.10]

**D 37.2 Oil Supply Connections – General.** Oil supply connections at M/H stands, where provided from a centralized oil distribution system, shall be located and arranged to permit attachment in a work-like manner to a manufactured home utilizing the stand. The installation of such facilities shall meet the provisions of NFPA 31, *Standard for the Installation of Oil-Burning Equipment* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 501A:4.3.11]

**D 38.0 Fuel Supply Systems Installation.**

**D 38.1 Flexible Gas Connector.** Each gas supply connector shall be listed for outside M/H use, shall not exceed 1.8m (6ft.) in length, and shall have a capacity rating adequate to supply the connected load. [NFPA 501A: 4.4.1]

**Exception:** Gas supply connections for manufactured homes located on an all-weather wood, concrete, or concrete block foundation system or on a foundation constructed in accordance with the Building Code.

**D 38.2 Use of Approved Pipe and Fittings of Extension.** Where it is necessary to extend the M/H inlet to permit connection of the 1.8m (6 ft.) listed connector to the site gas outlet, the extension shall be of approved materials of the same size as the M/H inlet and shall be adequately supported to not exceed intervals equal to 1.2m (4 ft.) to the M/H. [NFPA 501A:4.4.2]