D 38.3 Mechanical Protection. Gas outlet risers, regulators, meters, valves, or other exposed equipment shall be protected against accidental damage. [NFPA 501A:4.4.3]

D 38.4 Special Rules on Atmospherically Controlled Regulators. Atmospherically controlled regulators shall be installed in such a manner that moisture cannot enter the regulator vent and accumulate above the diaphragm.

D 38.5 Fuel Gas Piping Test. The M/H fuel gas piping system shall be tested only with air before it is connected to the gas supply. The M/H gas piping system shall be subjected to a pressure test with all appliance shutoff valves in their closed positions. [NFPA 501A:4.4.5]

D 38.5.1 The fuel gas piping test shall consist of air pressure at 25cm water column (10 in. water column), to 36cm of water column (14 in. water column). The system shall be isolated from the air pressure source and shall maintain this pressure for 10 minutes or more without perceptible leakage. Upon satisfactory completion of the test, the appliance valves shall be opened, and the gas appliance connectors shall be tested with soapy water or bubble solution while under the pressure remaining in the piping system. Solutions used for testing for leakage shall not contain corrosive chemicals. Pressure shall be measured with either a manometer, slope gauge, or gauge that is calibrated in either inches of mercury or psi, with increments of either 2.5mm (1/10 in.) or 1.0kPa (1/10 psi), as applicable. Upon satisfactory completion of the test, the M/H gas supply connector shall be installed, and the connections shall be tested with soapy water or bubble solution. [NFPA 501A:4.4.5.1.1-4.4.5.1.6]

The following warning shall be supplied to the installer:

WARNING: Do not overpressurize the fuel gas piping system. Damage to valves, regulators, and appliances can occur due to pressurization beyond the maximums specified. [NFPA 501A:4.4.5.2]

D 38.5.2 Gas Appliance Vents. Gas appliance vents shall be visually inspected to ensure that they have not been dislodged in transit and are connected securely to the appliance. [NFPA 501A:4.4.5.3]

D 38.6 Oil Tanks. A tank of not more than 2,500L (660 gal.) or two tanks having an aggregate capacity, not exceeding 2,500L (660 gal.) shall be connected to one oil-burning appliance. Two supply tanks, where used, shall be cross-connected and provided with a single fill and single vent as described in NFPA 31, *Standard for the Installation of Oil-Burning Equipment* or equivalent International Standard(s) approved by the Authority Having Jurisdiction, and shall be on a common slab and rigidly secured one to the other. Tanks having a capacity of 2,500L (660 gal.) or less shall be securely supported by rigid, noncombustible supports to prevent settling, sliding, or lifting. [NFPA 501A:4.4.6]

D 38.6.1 Installation. Oil supply tanks shall be installed in accordance with the applicable 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:4.4.6.1]

D 38.6.2 Minimum Standard. A tank with a capacity no larger than 225L (60 gal.) shall be permitted to be a DOT-5 shipping container (drum) and so marked, or a tank meeting the provisions of UL 80, *Steel Inside Tank for Oil Burner Fuel* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. Tanks other than DOT-5 shipping containers having a capacity of not more than 2,500L (660 gal.) shall meet the provisions of UL 80 or equivalent International Standard(s) approved by the Authority Having Jurisdiction. Pressure tanks shall be built in accordance with Section VIII, Pressure Vessels, *ASME Boiler, and Pressure Vessel Code* or equivalent International Standard(s) approved by the Authority Having Jurisdiction. [NFPA 501A:4.4.6.2.1-4.4.6.2.2]

D 38.6.3 Separation Distance. Tanks that are adjacent to buildings shall be located not less than 3m (10 ft.) from a property line that is permitted to be built upon. [NFPA 501A:4.4.6.3]

D 38.6.4 Minimum Vent Size. Tanks with a capacity no larger than 2,500L (660 gal.) shall be equipped with an open vent not less than a 40mm (1-1/2 in.) iron pipe size; tanks with a capacity of 1,900L (500 gal.) or less shall have a vent of 32mm (1-1/4 in.) iron pipe size. [NFPA 501A:4.4.6.4]

D 38.6.5 Liquid Level. Tanks shall be provided with a means of determining the liquid level. [NFPA 501A:4.4.6.5]

D 38.6.6 Fill Opening. The fill opening shall be a size and in a location that permits ready filling without spillage. [NFPA 501A:4.4.6.6]

D 39.0 Manufactured Home Accessory Building Fuel Supply Systems.

Fuel gas supply systems installed in a M/H accessory building or structure shall comply with the applicable provisions of NFPA 54, *National Fuel Gas*