

SECTION 15443PROPANE GAS SYSTEMPART 1 - GENERAL1.1 DESCRIPTION

- A. Work Included: Furnish and install a propane fuel gas system of the type(s), size(s) and capacity as shown.
- B. Related Work Specified Elsewhere:
 - 1. "Plumbing - General" is specified in this Division.
 - 2. "Steel Pipe & Fittings" is specified in Section 15061.

1.2 QUALITY ASSURANCE

- A. The entire installation shall conform to the applicable sections of NFPA58.
- B. The entire installation shall conform to all state and local requirements.

1.3 MATERIALS

- A. Propane Storage Tank(s)
 - 1. Make all arrangements with a local propane gas supply company to provide and install the gas storage tank(s) and provide the gas service.
 - 2. Obtain from the Owner written approval of the gas supply company proposed to provide the gas storage tank(s) and the gas supply.
- B. Boiler Fuel Gas Supply System:
 - 1. Furnish all valves, piping and regulators to supply the boiler with fuel at a pressure as specified by the burner manufacturer.
 - 2. Vapor lines shall be Schedule 40, 125 pound malleable iron fittings. Buried steel pipe shall have extruded polyethylene coating in accordance with Specification Section 15061.
- C. Generator Fuel System:
 - 1. Provide storage tanks of standard propane design with capacities as indicated.
 - 2. Furnish direct-fired fuel vaporizer suitable for a fuel consumption as required.
 - 3. Furnish all valves, piping and regulators to supply generator with fuel at a pressure of 5-15 psig.
 - 4. Furnish all required hydrostatic and safety relief valves as required by NFPA, local and state codes.
 - 5. Liquid lines shall be Scheduled 80 steel with 3,000 pound forged fittings, Vapor lines shall be Schedule 40, 125 pound malleable iron fittings. Buried steel pipe shall have extruded polyethylene coating in accordance with Specification Section 15061.

1.4 INSTALLATION

- A. Install propane tanks on concrete pads as shown.
- B. Pressure test entire system in accordance with NFPA requirements prior to backfilling or covering of any pipe.
- C. Install buried pipelines at a minimum of four feet below ground.
- D. Provide initial fill for all fuel tanks.

END OF SECTION