

GAS SERVICE:

Contractor shall contact gas utility company to determine the extent of service upgrade is required and include all fees in bid. The Contractor is responsible for coordinating gas service, meter installation, and locations of equipment provided by others.

GAS PIPING BELOW GRADE:

Buried gas pipe shall be Schedule 40 black steel with welded fittings, primed and wrapped with approved wrap or tape, and buried a minimum of 18" below finish grade. If approved by local Inspector and Utility Company, Polyethylene Plastic Pipe (PE) conforming to ANSI / ASTM D 2104 standards, as manufactured by Phillips 66 Driscopipe or GUC approval equal, may be substituted. Provide 6" wide utility warning tape, "Warnoline" by Safety Sign Co., or approved equal, 12" below finish grade during backfill operation.

GAS PIPING ABOVE GRADE AND TESTING:

Gas pipe above finish grade or floor, 2" or less, shall be Schedule 40 black steel pipe with 150 malleable screwed fittings. Pipe 2 1/2" and over, shall be schedule 40 black steel pipe with welded fittings conforming to ANSI/AWS D 1.1. Gas piping shall be air tested at 60 psig for a minimum of 4 hours or 40 psig for 24 hours and shall be witnessed by Engineer and Building Inspector. Clean, prime, and paint all exposed gas piping OSHA Yellow. At contractor's discretion, press fit pipe fittings rated for natural gas may be used. Press Fit system shall be "Mega Press G" by Viega or an equal system.

GAS VALVES:

Gas valves shall be tested and certified by AGA and conform to ANSI 221.15B for natural and for LP gas-air mixtures. Gas valve body shall be semi-steel, with a bolted cover, and flanged ends. Acceptable manufacturers are Nibco, Rockwell or Powell..

INSTALLATION:

Installation shall be in accordance with current NFPA Bulletin, American Gas Association, and North Carolina Building Code. Provide shut-off valve, dirt leg, and union at each piece of equipment. Provide pipe hangers/supports at specified intervals in NC Fuel Gas Code. Gas piping installed on the roof shall be supported by a trapezoid shaped rubber base that has an integral galvanized metal "U" channel for securing the piping to the support base. Provide Duralock, Anvil, B-Line or equal.

CONNECTIONS TO EQUIPMENT:

Provide gas piping and final connections to all equipment furnished under this contract. Provide rough-ins with shut-off valve to gas-fired HVAC equipment as per manufacturer's directions and dimensioned drawings or as directed by the Mechanical Contractor. Final connections to kitchen equipment shall be responsibility of the equipment supplier. Flexible gas piping shall be used to connect appliance to rigid gas supply in utility chase. Flexible gas piping length shall be limited as required to move appliances for cleaning.

END OF SECTION