



**GAS PIPING**

Sealed by a mechanical engineer registered in the State of Arizona (if applicable).

**2018 International Fuel Gas Code with city of Phoenix Amendments (IFGC)**

- Provide a scaled site plan clearly documenting project location and gas meter location (IBC 107.2.1)
- Identify the gas meter as either EXISTING or NEW, documenting capacity.
- Provide a one-line gas pipe, sizing diagram IFGC Appendix A.
- Gas pipe sizing calculations and isometric IFGC 402.3.
- Provide a floor/roof plan documenting ALL appliances as Existing or NEW and identifying locations IFGC 402.2.
- If using natural gas at a delivery pressure of 2 PEIG or greater, obtain written confirmation letter from Southwest Gas, and affix this letter within the drawing package, IBC 107.2.
- Detail locations for all gas shutoff valves IFGC 409.
- Identify ALL second stage regulators (if applicable) and flow controls, IFGC 410.
- Identify ALL appliance locations and Btu/hr input ratings IFGC 303, 402.
- Identify the total developed length of piping from the gas meter, or LPG tank, to the most remote appliance on the entire system IFGC 402.
- Identify the supply pressure and the pressure after each regulator IFGC 402.
- State the IFGC table number used to size the piping system IFGC 402.4.
- Identify on the one-line, ALL branch pipe lengths, sizing, and valves IFGC 402.3.
- Identify ALL gas pipe materials and piping installation requirements, i.e., underground, building wall, roof, etc. IFGC 403, 404.
- Specify gas pipe support method and spacing IFGC 407.
- Address gas appliance combustion air and venting IFGC 304, 503.
- Identify requirements for specific appliances IFGC 601