PART 1 – GENERAL

1.01 Work Included

1. Hydronic Piping
2. Facility Natural-Gas Piping
3. Sprinkler Pipe

1.02 Related Work

1. Section 23 05 10 Basic HVAC Piping Requirements
2. Section 23 07 19 Piping Insulation
3. Section 23 11 23 Facility Natural-Gas Piping
4. Section 23 21 00 Hydronic Piping
5. Section (Multiple References) Hydronic Specialties
6. Section 23 23 00 Refrigerant Piping and Specialties

PART 2 - PRODUCTS

(Not Applicable)

PART 3 - EXECUTION

3.01 Installation

1. Furnish all labor, materials, and equipment required for testing procedures.
2. Insulation shall not be applied until pressure testing has been completed. Joints of any type shall not be painted or varnished prior to testing.
3. Lines containing check valves shall have the test pressure source located upstream of the valves, or the valve discs shall be removed until after the testing. Control valves shall be set in the open position, unless directed otherwise.
4. Pipe testing shall be performed after flushing, except for buried lines.
5. Any equipment that has a pressure rating not as high as the testing pressure shall be valved off during the test.
6. The tabulated results of all tests shall be submitted to the Architect/Engineer (A/E).
7. Potable hot and cold water lines shall be hydrostatically tested at 125 psig for a period of twenty-four (24) hours.
8. Water Piping Systems: Test all pipe lines installed with a water pressure test of 1-1/2 times it's operating pressure, but not less than 125 psi for a period of 4 hours, during which time the pressure shall remain constant without pumping. If leaks or defects develop, new tests shall be made and repeated until all defects are remedied. Pipes or joints which leak shall be taken apart and remade. Caulking will not be permitted. Pipes which will be concealed may be tested separately before the distribution system is installed in order that these lines may be covered and furred in and thus, not delay the work of other trades.
9. Gas piping and Gas Piping Conduit: shall be tested in accordance with the current requirements of the standard gas code (Florida Fuel Gas Code) and/or applicable or local codes for the pressures involved.

**END OF SECTION**