

SECTION 220553 – TESTING OF PIPING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Specification Sections, apply to this Section.

1.2 VERIFICATION:

- A. All tests shall be verified by the Owner's Representative. The contractor shall test the operation of each safety and high limit control to insure proper installation and operation. Any defective devices shall be replaced.

1.3 TESTS AND ADJUSTMENTS:

- A. Before any piping is covered, tests shall be made in the presence of the Owner's Representative and any leaks or defective work corrected. No caulking of threaded work will be permitted. Following minimum pressures shall be used for testing:
- B. Before application of insulation covering, and as far as practical before concealing any piping, all piping shall be hydrostatically tested and proved tight. Stubs shall be capped and all control valves shall be removed during the test. System may be tested in sections, providing connections to last section tested are included in each succeeding test. Following minimum pressures shall be used for testing:
 - 1. Water Piping - 50 PSIG for 4 hours.
 - 2. Gas Piping - 50 PSIG for 4 hours.
 - 3. Waste, vent, and roof drain piping - fill to 10' above highest level.

PART 2 - PRODUCTS

2.2 TEST EQUIPMENT:

- A. The mechanical contractor shall furnish all necessary gauges, plugs, test fans, pumps, etc., as required to conduct the tests.

PART 3 - EXECUTION

3.1 PROCEDURE:

- A. The contractor shall be responsible to conduct all tests in a safe manner, protecting the work of other trades from water or physical damage. The tests, as indicated, shall be in addition to any test as required by any governing agency. Submit all approved tests as required by any governing agency to the Owner's Representative. Each test and any necessary repairs and retest shall be performed by the contractor which installed the system.

3.2 REPORTS

- A. The contractor shall give the Owner's Representative one week notice prior to performing the tests. All tests shall be witnessed and recorded, and reports given to the Owner.

END OF SECTION 220553

TESTING

220553 - 1