

**SECTION 22 08 01
TESTS**

PART 1 - GENERAL

1.01 GENERAL REQUIREMENTS

- A. Work of this specification as shown or specified should be in accordance with the requirements of the Contract Documents.

1.02 WORK INCLUDED

- A. Work of this Section includes all labor, materials, equipment and services necessary to provide Plumbing System Testing as shown on the drawings and as specified herein.

1.03 RELATED WORK

- A. Distribution Piping - Section 22 10 00
- B. Gas Service and Piping – Section 22 36 00

1.04 QUALITY ASSURANCE

- A. Fuel Gas Code of the City of New York

1.05 SUBMITTALS

- A. Fuel Gas Code of the City of New York
- B.

1.06 SPECIFIC REQUIREMENTS

- A. All tests shall be made in the presence of the Authority, or their representatives, and the local authorities having jurisdiction of the work to be tested, as may be directed; and at least 72 hours notice shall be given in advance of all tests.
- B. Provide all other tests required by local inspectors and all other authorities having jurisdiction.
- C. All appurtenances shall be operated after installation to determine whether or not they meet the requirements of the Specifications.
- D. All defects disclosed in the work by tests and otherwise shall be made good or the Work replaced without additional cost to the Owner. No caulking on screwed joint, cracks or holes will be acceptable.
- E. Tests shall be repeated after any defects disclosed thereby have been made good or the work replaced if it is deemed necessary.
- F. All tests shall be made at the expense of the Contractor.
- G. Contractor to provide required test plug tee fittings during erection of pipe system.
- H. If the pipe installation fails to meet testing requirements, the Contractor shall determine at his own expense the source or sources of leakage, and he shall repair or replaced all defective materials or workmanship. The completed pipe installation shall meet the requirements of the tests after the leaks have been corrected.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Provide all materials, equipment, etc., for tests, retests, repairs and replacements that is required to complete the Work of this Section. Furnish all testing instruments, gauges, pumps,

and other equipment required or necessary for tests, required by laws, rules and regulations and as specified.

PART 3 - EXECUTION

3.01 PIPING SYSTEM TESTS - GENERAL

- A. Each piping system shall be tested prior to application of painting or placing of backfill. Testing as stipulated herein shall be considered minimum, and where tests stipulated by lawfully jurisdictional authorities exceed these requirements, such more stringent tests shall be performed.
- B. If in any tests leaks are observed, the defective work or material shall be replaced. No caulking of screw joints or holes will be acceptable. Repetition of the entire test will be required as many times as leaks can be observed from the tests, until no leaks result in successful completion of the test.
- C. Make all provisions for removal of test equipment after tests have been completed.

3.02 GAS TESTS

- A. When all lines of gas piping are in place and before the gas fixtures, etc., are installed, or connections made to meters, the Contractor shall make a preliminary test and prove all pipes and fittings tight before notifying the various Bureaus and Department that the official test is desired. The official test shall consist of proving the piping tight by means of an air pressure test. Should pressure fall, the defects in the work shall be located and made good and the test repeated until all piping and fittings are proved tight. Piping shall be tested as follows or piping shall be tested as per latest Fuel Gas Code of the City of New York.
 - 1. Interior above ground piping: A pressure of 3 psig shall be maintained for a period of thirty minutes.
- B. Gas tests shall be made in the presence of the representatives of the Gas Company; and the piping shall be proven tight to their entire satisfaction. Notification shall be sent seventy-two (72) hours in advance of the time set for the official test.
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- C. New gas piping shall be put in service the same day as written confirmation is issued that the line has received Building Department "Blue Card" or acceptance or as otherwise authorized by the Housing Authority. Gas piping not charged within two (2) business days of receiving certification, unless authorized by the administering department, may be required to be retested at the Contractor's expense, including Authority expenses, as directed by the administering department.

END OF SECTION 22 08 01