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PART 1 - GENERAL

1.1 GENERAL

- .1 All drawings and all sections of the specifications shall apply to and form an integral part of this section.

1.2 REFERENCE

- .1 ANSI B16.18-1984, Cast Copper Alloy Solder Joint Pressure Fittings.
- .2 ANSI B16.22-1980, Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings.
- .3 ANSI B16.24-1979, Bronze Pipe Flanges and Fittings, Class 150 and 300.
- .4 MSS-SP-80-1979, Bronze Gate, Globe, Angle and Check Valves.
- .5 ASTM B32-89, Specification for Solder Metal.
- .6 ASTM B306-88, Specification for Copper Drainage Tube (DWV).
- .7 CAN/CSA-B125-M89, Plumbing Fittings.
- .8 CAN/CSA-B45 Series-88, CSA Standards on Plumbing Fixtures.

1.3 WORK INCLUDED

- .1 Provide drip to cooling coil to drain. Modify existing piping to suit new arrangement.

1.4 RELATED WORK SPECIFIED ELSEWHERE

- .1 Mechanical General Provisions: Section 15010
- .2 Insulation: Section 15100
- .3 Ventilation & Air Conditioning: Section 15800
- .4 Electrical Specification: Division 16

PART 2 - PRODUCTS

2.1 PIPE AND FITTING

- .1 General: Pipe and fittings shall conform to the standard listed in the applicable Building Code (latest Revision).
- .2 Drains and Vents:
 - .1 Drains and vent pipes shall be in accordance with local or provincial regulations with the following exceptions, unless otherwise specified.
 - .1 Effluent Gravity:
 - .1 Piping:
 - .1 All cast iron soil pipe shall be class 4000:
 - .1 CAN3-B70
 - .2 Fittings/Joints:
 - .1 Gaskets:
 - .1 ASTM C564
 - .2 Mechanical joint couplings shall have a corrugated stainless steel sleeve over the joint with stainless steel worm drive securing bands tack welded to the sleeve were exposed.
 - .1 Titan, St. Croix
 - .3 Wrought copper vent type DWV:
 - .1 ASTM B 306.
 - .4 Cast Brass:
 - .1 CAN/CSA B 125.
 - .5 Wrought copper:
 - .1 CAN/CSA B 125.

PART 3 - EXECUTION

3.1 GENERAL INSTALLATION

- .1 All pipe shall be cut accurately to measurements taken at the site and shall be installed without springing or forcing. All changes in direction shall be made with fittings.
- .2 All connections to equipment shall be made with unions or flanges.
- .3 All piping in accessible pipe spaces shall be run in such a way that it does not interfere with free access into the pipe space.

3.2 JOINTS

- .1 All joints shall be made in accordance with manufacturer's recommendations.

3.3 TESTING

- .1 All piping systems shall be pressure tested as follows:
 - .1 Plumbing and drainage system (*new*) - in accordance with local regulations.
- .2 General:
 - .1 All systems and equipment will be subject to operating tests to verify that they operate properly as directed by the Contract Administrator.
 - .2 The Contract Administrator's representative shall witness tests. Give 48 hours notice in advance of all tests. All tests shall be witnessed by the Contractor with written confirmation.

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