

2. PLUMBING

- a. General. Except as modified herein, equipment and material shall be installed in accordance with the prevailing model plumbing code having jurisdiction in the area.

- (1) Work Included:  
Complete plumbing system.
- Gas supply piping and connections to gas-fired equipment.
- Sanitary sewer.
- Storm sewer within 5 ft. of the building.
- Plumbing fixtures.
- Providing of items requiring installation by the architectural specifications.
- Securing and paying for all plumbing and sanitary sewer permits.
- Roof flashing for vent piping.

- (2) Work Not Included:  
Paying for temporary water and sewer facilities, unless noted otherwise.

Concrete foundations and steel supports not indicated on the "Plumbing Drawings".

Sheet Metal Gutters, leaders and downspouts.

Storm sewer more than 5 ft. beyond the building.

b. Fixtures

All fixtures shall be securely supported so that no strain is placed on the connected piping. Unless otherwise recommended by the manufacturer, bath tub rims at the wall shall be supported on metal hangers or wood blocks secured to wall construction.

c. Piping

- (1) Water service pipe shall be laid on solid ground below frost line. Service pipe may be laid in the same trench with sewer pipe provided it is laid on a shelf of solid earth at least 1 ft. above the sewer pipe. Service trenches shall be filled with earth free of cinders, wood, rocks or other debris. Compact well.

- (2) Piping installed in corrosive soil shall be either of a material unaffected by such soil or shall be isolated from it by a protective coating. The coating and its application shall also conform with AWWA C-203.

- (3) Underground threaded joints in ferrous pipe shall be coated and wrapped. Coating and wrapping material and its application shall also conform with AWWA C-203.

- (4) Piping shall be installed without critical damage to structural members

- (5) Pipe hangers and supports shall be of material similar to that of the piping. Dielectric insulation fittings shall be used where pipe of dissimilar metals are connected.

- (6) Piping shall be properly sloped and arranged for draining.

- (7) Cold water piping installed in locations of the building subject to freezing temperatures, or where pipe sweating may create a problem, and all circulating domestic hot water piping shall be insulated with a minimum C value of 0.45.

d. Domestic Water Heating System and Storage

(1) General

Domestic hot water system shall be equipped with means for limiting the temperature of the hot water for personal use at the fixtures to 110 deg. F, unless required otherwise.

All water heaters and water heating system shall be valved to provide shutoff from the cold water supply system.

(2) Central Domestic Hot Water Piping

All piping between heaters, boilers and storage tanks, including circulating lines, shall be maintained throughout at the full size of the heater tapplings, and shall be thermally insulated with a minimum C value of 0.45.

(3) Special Piping Systems

Gas Service Piping shall be installed in a separate trench. Joints between lines of dissimilar metals shall electrically isolate on metal from the other.

Steel and Iron Piping for gas service shall be coated and protected against corrosion as recommended in AWWA C-203.

Dielectric Insulating Fittings shall be provided on service side of gas meters when dissimilar metals are connected.

CR16 ELECTRICAL

1. GENERAL. Provide an electrical system which will assure a safe and adequate source of energy for satisfactory illumination and for efficient and convenient operations of appliances and mechanical equipment.

a. Work Included:

Secondary Service.

Distribution, Lighting and Power Panels.

Lighting and Power Feeders.

Lighting Fixtures.

Conduit for Phone System, Security System and TV System.

Fire Alarm System.

Connections for other Divisions of the Specifications.

Installing items furnished by Owner.

Temporary service during construction.

b. Work Not Included:

High voltage electric service.

Metering.

Paying for temporary services during construction, unless noted otherwise.

Low voltage wiring and thermostats to mechanical equipment.

c. Connecting equipment furnished by others:

Furnish all switches, push buttons and selector switches.

2. Standards: All electrical equipment shall be installed in accordance with the enforced National Electrical Code.

3. Excavations: Conduit shall be laid on solid ground below frost line, and 18 inches (minimum) below grade. Service trenches shall be filled with earth free of cinders, wood, rocks or other debris. Compact well.

4. Distribution System. Entire electrical system shall be installed in wire-ways and conduit.

RICHARD MOLENAAR  
ARCHITECT

DATE INN

PEARL, M

SPECIFICATIONS

97006

3-25-99

5

OF 5