

PART I – GENERAL**WORK SPECIFIED HEREIN**

- All plumbing fixtures, equipment, plumbing specialties, traps, drains, etc., required.
- All carriers, hangers, bases and supports for plumbing fixtures, equipment, and trim.
- Installation of plumbing fixtures, equipment, and trim.

SUBSTITUTIONS

In accordance with Section 01600.

SUBMITTALS

- Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.
- Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.
- Shop drawings for review by the Professional of Record are not required for this section.

PART II – PRODUCTS**GENERAL**

- *Plumbing Trim:* All exposed faucets, traps, connecting piping, stops, flush valves, and other fixtures trim shall be chromium plated, polished brass unless otherwise specified.
- Accessories, in general, are listed for each fixture. The Plumbing Contractor shall however, supply all stops, traps, escutcheons, connections, etc., as necessary to complete the installation of each fixture, whether such items are listed or not.
- Vacuum breakers shall be furnished and installed as a part of the fixture trim wherever there is a possibility of back siphoning. All water faucets, hose bibbs, etc., with threaded hose ends shall have vacuum breakers.
- Check valves shall be furnished and installed in connection with all mixing fixtures, which normally might allow cross-circulation of hot and cold water when the fixture would not be in actual use.
- *Fixture Stops:* Shut-off for urinal flush valves shall be an integral part of the fixture or fitting. Shut-off for all other fixtures shall be angle or straight type adapted for each particular location and shall be located immediately adjacent to the fixture. All fixture stops in public areas shall be keyless.
- After all fixtures have been set and are ready for use and before the Contractor leaves the job, he shall thoroughly clean all fixtures furnished and set by him, no discoloration on fixtures, leaving every part in good condition.

- All special equipment indicated on the Drawings and listed in the Equipment Specification Division will be furnished in place under the General Contract.
- Plumbing Contractor shall rough in all services (waste, vent, water etc.) indicated for the equipment and after same is set in place, he shall make all service connections required for each item of equipment (under the direction of the supplier of the equipment) including the installation of service fixtures and all piping required to make equipment operable. SECURE APPROVED SHOP DRAWINGS FROM PROFESSIONAL OF RECORD PRIOR TO ROUGH IN.
- Plumbing Contractor shall furnish and install shut-off valves on lines to equipment as shown on the plans and all direct waste lines shall be provided with "P" traps of proper sizes by this Contractor.
- All carriers for plumbing fixtures shall be securely bolted to the floor. Drinking fountains shall be mounted as indicated on the Architectural Drawings.
- *Fixture Backing:* Provide backing for wall hung fixtures other than for those with carriers.
- *Stud Walls:* Install 1/4" x 6" wide steel flat backing plate to the inside web of the studs and secured to at least three studs by welding or bolting.
- *Concrete Walls:* Securely fasten steel brackets with heavy expansion shields and bolts of proper length.
- *Trap Primers:* Shall be installed on cold water supply at nearest fixture and run supply to trap being protected. Trap primers shall be installed above ceiling or in plumbing wall with access door, and shall not be exposed in toilet rooms. All floor drains in toilet rooms shall be protected by trap primers. Provide trap primers on all floor sinks in mechanical, janitor, storage and utility rooms where required by code.
- All toilet seats shall be fireproof and be provided with concealed spring check hinges, self-sustaining.
- All indirect waste shall be piped to nearest floor sink as required by code.
- Refer to the Equipment Connection Schedule on the Architectural Drawings for all requirements of this Contractor. Include in his bid an amount to do such work.
- The plumber is to furnish and install silicone sealant around the perimeter of all service sink edges touching an adjacent wall.

END OF SECTION

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