

SECTION 22 05 00

COMMON WORK RESULTS FOR PLUMBING

This document is intended to note the Owners Design Requirements (ODR) for the titled specification section. Design professional to review and integrate ODR into the project's technical specifications. This ODR document should not be viewed as a standalone technical specification.

PART 1 - GENERAL REQUIREMENTS

N/A

PART 2 - PRODUCTS AND MATERIALS

♦ ACCESS TO EQUIPMENT

- Access Panels shall be a minimum of 18x18.
- Latch and Lock Hardware: All access doors shall be key lockable.
 - Quantity: Furnish number of latches and locks required to hold doors tightly closed.
 - Keys: Furnish two keys per lock and key all locks alike.
 - Mortise Cylinder Preparation: Provide a mortised cylinder lock.

♦ PLUMBING EQUIPMENT NAMEPLATE DATA

- For each piece of power operated Plumbing equipment, provide a permanent operational data nameplate indicating manufacturer, product name, model number, serial number, capacity, operating and power characteristics, labels of tested compliance's, and similar essential data. Locate nameplates in an accessible location.
 - Sump pumps or any other inaccessible equipment shall have the nameplate data located in an accessible and easily visible location.

♦ PENETRATIONS

- Sleeves:
 - Steel Sleeves: Schedule 40 galvanized, welded steel pipe, ASTM A-53 grade A or 12 gauge (0.1084 inches) welded galvanized steel formed to a true circle concentric to the pipe.
 - Floor penetrations sleeves shall be securely bonded to the floor construction and projecting not less than 1 inch above the top of the finished floor.
 - Sheet-Metal Sleeves: 10 gauge (0.1382 inches), galvanized steel, round tube closed with welded longitudinal joint.

♦ Drip pans

- Drip pans for pipes in protected areas shall be 20 gauge galvanized steel with 2" lapped and soldered joints. Drip pan shall have a depth of 2" and a width of 6" in addition to the diameter of the associated pipe. Provide 3/4" galvanized pipe with male NPT outlet at low point of drip pan.
- Drip pan supports shall be 1/4" X 2" galvanized bar stock welded to the drip pan without holes.
- Provide sloped drains from drip pans to a sanitary drain (floor drain, floor sink, hub drain).

PART 3 - EXECUTION

♦ PENETRATIONS:

- X-Ray is required prior to any saw cutting or core drill existing walls and slabs to install sleeves and sleeve seals in existing facilities. Do not cut or drill any walls or slabs without first coordinating with, and receiving approval from DOA inspectors. Seal sleeves and sleeve seals into concrete walls or slabs with a waterproof non-shrink grout acceptable to the Architect.

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- Provide sleeves and/or box frames for openings in all concrete and masonry construction and fire or smoke partitions, for all mechanical work that passes through such construction; Coordinate with other trades and Divisions to dimension and lay out all such openings.
- The General Contractor will provide only those openings specifically indicated on the Architectural or Structural Drawings as being provided under the General Contractor's work.
- ◆ Drip pans
 - Provide drip pans under all sanitary piping over offices, HMS host storage area, or kitchens
 - Provide drip pans for piping directly above a two hour rated ceiling of an elevator machine room.

END OF SECTION 220500