

SECTION 22 40 00 - PLUMBING FIXTURES**PART 1 - GENERAL****DESCRIPTION**

The requirements of this section apply to the plumbing fixtures and trim.

Provide fixtures as shown on the Drawings and specified herein. Provide all required fixture trim and accessories for a complete, finished installation.

Related Work: The requirements of Section 22 05 00, Common Plumbing Materials and Methods, also apply to this section.

QUALITY ASSURANCE

Code: Comply with requirements of the Oregon State Plumbing Specialty Code.

Fixture color: White unless indicated otherwise.

Potable Water Valves: Potable water valves not limited to faucets, mixing valves, or pressure reducing valves. Valves shall meet NSF Standard 61, Section 9, for drinking water faucets and shall be brass construction. Brass components which contact water within the faucet shall be from brass which contains no more than 3 percent lead by dry weight.

Before performing work of this Section related to roof or overflow drains, provide integrated exterior mockup in accordance with the requirements of Division 1 Quality Requirements.

PART 2 - PRODUCTS**PIPING**

Piping, fittings, and related items as specified in related Sections 22 10 00.

INTERIOR PLUMBING MATERIALS

Dishwasher and Cooking Equipment Pressure Reducing Valve: For installation with dishwasher booster heater and other kitchen equipment, all brass lead free certified, single seat type for dead end service, with renewable stainless steel seat and valve. Designed for service on hot water to reduce pressure from 50 psi to 20 psi. Watts, Cash-Acme, Zurn-Wilkins, or approved substitute.

Single Fixture Tempering Valve: Lead Free Certified, Thermostatic mixing valve. ASSE 1070 listed. Cast copper silicon alloy construction with stainless steel disc and springs, copper thermostat. Watts LFMMV, Acorn ST7069 approved.

PLUMBING FIXTURES AND TRIM

Stops: Furnish stop valves for all fixtures. Loose key style, in wall, angle or straight through pattern to fit installation. Stops to be lead free certified all brass with full turn brass stem and replaceable washer, no plastic. Compression nuts to be high copper content brass. Finish to be copper nickel chrome plate. Product to carry manufacturer’s name. Risers to be chrome plated copper. Provide chrome plated shallow escutcheons. McGuire, Chicago, Brasskraft, Keeney, Zurn, or approved substitute.

Fixture Traps: Exposed fixture tailpieces, traps, and wastes shall be chrome plated 17 gauge seamless brass tube with cast brass nuts and deep or box style escutcheons as required to conceal rough piping. Products to be stamped with manufacturer’s name and material gauge. McGuire, Keeney, Zurn, or approved.

Provide compliant fixture piping protector kit on all exposed accessible fixture traps and water supplies. White anti-microbial molded PVC. IPS Truebro “Lav Guard 2”, McGuire “ProWrap”, Plumberex “Pro-extreme”, or approved substitute.

Stainless Steel Sinks: Type 302 or 304 (unless noted otherwise), 18 gauge, self-rimming stainless steel sink (unless noted otherwise), fully undercoated, drawn bowl with satin finish. Elkay numbers are listed; Just is approved. Install with stainless steel crumb cup strainer outlet or grid strainer (as noted), flange tail piece, and 1-1/2” trap. For faucets, Chicago numbers are listed, T&S Brass American Standard or Delta Commercial approved. Sinks shall be punched for faucet specified. Coordinate number of holes required. Cock hole covers are not allowed. Provide with tail piece as required for dishwasher or AC condensate drain per Drawings.

Location	Tag	Basin (Elkay)	Faucet (Chicago)	ADA	Strainer, Disposal, etc.
Classroom	S-1	Single Compartment DRKAD251665	895 Series, 5.25” projection gooseneck spout set rigid with 1.5 GPM laminar flow, ADA 317 handles. (895-317GN2FCAB)	Yes	Grid strainer. Provide with 748-244ABCP Bubbler.

Outside Hose Bib "HB-1": Non-freeze type with vacuum breaker, bronze wall casing and wall clamp. Zurn Z-1310-6, Wade W-8620, Woodford 67 Series, Smith 5609-PB, or Watts HY420.

PART 3 - EXECUTION

PIPING

Install in accordance with Section 22 10 00.

FIXTURE INSTALLATION AND CONNECTION

All exposed fixture hardware and piping shall be plated with polished chrome unless otherwise directed in these specifications. Where chair carriers or special carrier design are not indicated, provide 3/16" thick by 6" wide steel to waste or vent piping and to available building construction.

All fixtures in contact with finished walls and floors shall be caulked with waterproof, white, non-hardening sealant which will not crack, shrink or change color with age.

All fixtures and component parts shall conform to governing codes.

All fixtures shall be securely mounted level and plumb or as recommended by the manufacturer. Mount fixtures intended to be accessible to the handicapped at the dimensions required by code.

See section 1 for mock up requirements related to roof drain and overflow drain installations.

STARTUP

Adjust flush valves, pressure reducing valves, mixing valves, water heater thermostats, and similar equipment.

Remove construction protection, tags and labels and thoroughly clean all plumbing equipment and trim. Scour all fixtures just prior to building acceptance.

END OF SECTION 22 40 00