

1 PART 1 GENERAL

2 DESCRIPTION

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

4
5 Provide fixtures as shown on the Drawings and specified herein. Provide all required fixture trim and
6 accessories for a complete, finished installation.

7
8 Related Work: The requirements of Section 22 05 00, Common Plumbing Materials and Methods, also apply
9 to this section.

10 QUALITY ASSURANCE

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

12
13 Fixture color: White unless indicated otherwise.

14
15
16 Potable Water Valves: Potable water valves not limited to faucets, mixing valves, or pressure reducing
17 valves. Valves shall meet NSF Standard 61, Section 9, for drinking water faucets and shall be brass
18 construction. Brass components which contact water within the faucet shall be from brass which contains no
19 more than 3 percent lead by dry weight.

20 PART 2 PRODUCTS

21 PIPING

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

23 INTERIOR PLUMBING MATERIALS

24 Dishwasher and Cooking Equipment Pressure Reducing Valve: For installation with dishwasher booster
25 heater and other kitchen equipment, all brass lead free certified, single seat type for dead end service, with
26 renewable stainless steel seat and valve. Designed for service on hot water to reduce pressure from 50 psi to
27 20 psi. Watts, Cash-Acme, Zurn-Wilkins, or approved substitute.

28 PLUMBING FIXTURES AND TRIM

29
30 Stops: Furnish stop valves for all fixtures. Loose key style, in wall, angle or straight through pattern to fit
31 installation. Stops to be lead free certified all brass with full turn brass stem and replaceable washer, no
32 plastic. Compression nuts to be high copper content brass. Finish to be copper nickel chrome plate. Product
33 to carry manufacturer's name. Risers to be chrome plated copper. Provide chrome plated shallow
34 escutcheons. McGuire, Chicago, Brasskraft, Keeney, Zurn, or approved substitute.

35
36
37 Fixture Traps: Exposed fixture tailpieces, traps, and wastes shall be chrome plated 17 gauge seamless brass
38 tube with cast brass nuts and deep or box style escutcheons as required to conceal rough piping. Products to
39 be stamped with manufacturer's name and material gauge. McGuire, Keeney, Zurn, or approved.

40
41 Provide compliant fixture piping protector kit on all exposed accessible fixture traps and water supplies. White
42 anti-microbial molded PVC. IPS Truebro "Lav Guard 2", McGuire "ProWrap", Plumberex "Pro-extreme", or
43 approved substitute.

44
45 Stainless Steel Sinks: Type 302 or 304 (unless noted otherwise), 18 gauge, self-rimming stainless steel sink,
46 fully undercoated, drawn bowl with satin finish. Elkay numbers are listed; Just is approved. Install
47 with stainless steel crumb cup strainer outlet or grid strainer (as noted), flange tail piece, and 1-1/2"
48 trap. For faucets, Chicago numbers are listed, American Standard or Delta Commercial approved.
49 Sinks shall be punched for faucet specified. Coordinate number of holes required. Cock hole covers
50 are not allowed. Provide with tail piece as required for dishwasher or AC condensate drain per
51 drawings.

Location	Tag	Basin (Elkay)	Faucet (Chicago)	ADA	Strainer, Disposal, etc.
----------	-----	---------------	---------------------	-----	-----------------------------

53

Classroom	S-2	Single Compartment LRAD 2521 with 6 1/2 " depth.	786 Series, 8" projection gooseneck <u>set rigid</u> with 1.5 GPM vandal resistant aerator, ADA 369 handles.	Yes	Grid strainer.
-----------	-----	--	--	-----	----------------

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47

Science Sinks :

Science Prep "S-1" and "S-1A": Sink by other division provided with counter. Provide with acid resistant trap and grid strainer. ADA faucet to included Pippett Tip and Standard 1.5 GPM Aerator Basis of design is Chicago 930-GN8B-VB-E7-369. Delta Commercial approved. Turn over Standard aerator to Owner for future installation.

~~Science Prep "S-1E": Existing sink. Install eye wash EW-1. (Revised in Rev 1)~~

Science Prep "S-3": Sink by other division provided with counter. Provide with acid resistant trap and grid strainer. Tail piece to have inlet connection for dishwasher. ADA faucet to included Pippett Tip and Standard 1.5 GPM Aerator Basis of design is Chicago 930-GN8B-VB-E7-369. Delta Commercial approved. Provide with EW-1 eye wash. Turn over Standard aerator to Owner for future installation. Provide

Science Prep "S-4": Sink by other division provided with counter. Provide with acid resistant trap and grid strainer. ADA faucet to included Pippett Tip and Standard 1.5 GPM Aerator Basis of design is Chicago 930-GN8B-VB-E7-369. Delta Commercial approved. Turn over Standard aerator to Owner for future installation. **Install with EW-1. (Revised in REV-1)**

Science "S-5": Sink by other division provided with counter. Provide with acid resistant trap and grid strainer. ADA faucet to included Pippett Tip and Standard 1.5 GPM Aerator Basis of design is Chicago 930-GN8B-VB-E7-369. Delta Commercial approved. Turn over Standard aerator to Owner for future installation. Install with EW-1. (Revised in REV-1)

Lab Outlets "GO-1": See Drawings for number of outlets with vandal resistant deck mount turret with chrome plated finish. Furnish with 2 or 3 ball valve outlets at 90°. Chicago 98X-VP909AGCP with index labels for gas.

Refrigerator Water Connection, RC-1: Guy Gray BIM 875 or approved.

Drains: Zurn, Jay R. Smith, Wade and Mifab. Numbers scheduled on Drawings represent minimum acceptable standard for locations involved.

Fixtures Furnished by Owner (and/or Under Another Section): Some fixtures will be furnished by the Owner (and/or under another specification section). Include under this section the required rough-ins, 3/8" chrome plated supplies with stops, 1-1/2" chrome plated cast brass "P" trap (or, on kitchen sinks, 2" cast iron "P" traps) for each sink compartment, and make final connection. Verify all rough-ins and connection requirements before commencing work.

EMERGENCY FIXTURES

Eyewash "EW-1": Counter mount eye / face wash. Unit shall comply with ANSI Z358.1 – 2014. Dual side by side spray heads with flip up dust cover and internal flow control. Valve activated by swinging over the sink and activating stainless steel lever handle. Pipe to emergency mixing valve specified in Section 22 10 00. Guardian G1775 Series or equal Haws or Encon. Confirm RH or LH prior to submittal.

PART 3 EXECUTION

PIPING

Install in accordance with Section 22 10 00.

FIXTURE INSTALLATION AND CONNECTION

PLUMBING FIXTURES

22 40 00-3

- 1 All exposed fixture hardware and piping shall be plated with polished chrome unless otherwise directed in
- 2 these specifications. Where chair carriers or special carrier design are not indicated, provide 3/16" thick by 6"
- 3 wide steel to waste or vent piping and to available building construction.
- 4
- 5 All fixtures in contact with finished walls and floors shall be caulked with waterproof, white, non-hardening
- 6 sealant which will not crack, shrink or change color with age.
- 7
- 8 All fixtures and component parts shall conform to governing codes.
- 9
- 10 All fixtures shall be securely mounted level and plumb or as recommended by the manufacturer. Mount
- 11 fixtures intended to be accessible to the handicapped at the dimensions required by code.
- 12
- 13 **STARTUP**
- 14 Adjust flush valves, pressure reducing valves, mixing valves, water heater thermostats, and similar
- 15 equipment.
- 16
- 17 Remove construction protection, tags and labels and thoroughly clean all plumbing equipment and trim. Scour
- 18 all fixtures just prior to building acceptance.
- 19
- 20
- 21

END OF SECTION