

## **SECTION 15400 PLUMBING**

### **PART 1 GENERAL**

#### 1.1 SUMMARY

- A. Work included: Providing of all plumbing fixtures, fixture trim, cleanouts and appurtenances as shown or required.
- B. Product Certification: Provide only products certified for use in the State of Oregon.
- C. Additional plumbing specifications can be found in Section 01900.

#### 1.2 SUBMITTALS

- A. Provide submittals in accordance with Section 01330.
- B. Submittals shall include manufacturer's catalog literature for all products used.

#### 1.3 OPERATION AND MAINTENANCE DATA

- A. Provide O&M data in accordance with Section 01782.
- B. O&M data shall include:
  - 1. Manufacturer's literature.
  - 2. Maintenance instructions.

### **PART 2 PRODUCTS**

#### 2.1 MANUFACTURERS

- A. Vitreous China Plumbing Fixtures: Kohler or American Standard.
- B. Toilet Seats: Olsonite, Bemis, Church or Beneke.
- C. Flush Valve: Sloan only.
- D. Fixture Trim: Symmons, Chicago or Delta.
- E. Supplies and Stops: Speedway, McQuire, Zurn or Eastman.
- F. Floor Drains and Floor Sinks: Jay R. Smith, Wade, Watts Ancon, S or Zurn.
- G. Cleanouts: Jay R. Smith, Wade, Watts Ancon or Zurn.
- H. Carriers: Jay R. Smith, Wade, Watts Ancon or Zurn.
- I. Priming Valves: Precision Plumbing Products only.

- J. Water Hammer Arrestors: Smith or Precision Plumbing Products.
- K. Pressure Reducing Valve: Watts, Bell and Gosset
- L. Hot Water recirculation Pump: Grundfos, Taco or approved equal.

## 2.2 DESCRIPTION

### A. Water Closet (WC-1):

American Standard, "Medera" model 3461 ADA, white vitreous china, elongated 16-1/2" high bowl, 1.28 gpf, flush valve, floor mounted.

Sloan "Upper-cut" model WES-1111, Exposed water closet flush-o-meter,

Bemis model 1955SSCT, Heavy duty elongated, solid, white plastic open front seat less cover with stainless steel hinge post and self-sustaining hinge.

### B. Lavatory (L-1): ADA

American Standard, "Lucerne" model 030356.912 ADA, white vitreous china, wall hung, concealed arm support, front overflow, faucet ledge w/ 4" centers, 4" back splash.

Chicago Faucet: model 802-ve2805-665abcp, deck mounted 4" centers, vandal proof push-button valves, MVP metering adjustable cycle time closure cartridge, 0.5 gpm spray outlet.

### C. Service Sink (S-1): ADA

Advance Tabco Model #FC-WM-1-ADA

Service Sink, wall mounted, 40"W x 19-3/4"D x 25-1/2"H (overall), 14" front-to-back x 5" deep (bowl size), 8-1/2"H backsplash, punched with (1) set of faucet holes 8" OC, includes 1-1/2" basket drain, 16 gauge 304 stainless steel construction, tubular stainless steel wall supports, ADA compliant, NSF

Chicago Faucet: Chicago Faucets 540-LDGN8AE3ABCP Sink Faucet, wall mounted 8" centers, 8" Body, Adjustable Arms 7-1/4" - 8-3/4", E3AB - 2.2 GPM (8.3 L/min) Pressure Compensating Softflo Aerator, 369-PR - Vandal Proof 2-3/8" Lever Handle, Sixteen-Point Tapered Broach, XTAB - Quatern Compression Operating Cartridge, GAB - 3/8" Offset Inlet Supply Arm, 2 5/16" Diameter Slip Flange, Weight: 5.000lbs

- D. Floor Drain (FD-1): J.R. Smith, Fig. 2005-02-A-NB-U-P050, Duco cast iron body, nickel bronze adjustable strainer head, 2" outlet, vandal proof screws, clamping ring for waterproof flooring and trap primer connection.
- E. Priming Valves: Precision Plumbing Products, Inc., Oregon P1 or P2.
- F. Water Hammer Arrestors: Jay R. Smith, 5000 series, all stainless steel construction with heavy duty bellows.

- G. Supplies and Stops: Flexible supplies with loose key angle stops to wall with canopy flanges and all exposed surfaces chrome plated.
- H. Traps:
  - Exposed Traps: 17-gauge chrome plated tubing adjustable P-trap with slip bushing.
  - Concealed or Below Grade: Coated cast iron P-trap, recessed screw joint or to match cast iron pipe.
  - Support Rims: Stainless steel rims, if sink not furnished with integral rim.

### **PART 3 EXECUTION**

#### **3.1 INSTALLATION**

- A. Provide plumbing fixture trim where applicable on fixture.
- B. Plumbing Fixtures:
  - Plumbing Fixtures Mounting Heights: All fixtures standard rough-in catalogued heights unless specified or shown otherwise on the architectural drawings.
  - Cleanout:
    - a. Where required for purposes intended.
    - b. Cover set flush with finished surface.
    - c. Urinal cleanouts to be below fixture on centerline.
  - Floor Drain: Set top flush with finished floor unless otherwise noted on architectural drawings.
- C. Priming Valves:
  - Floor drain and Floor Sink traps primed with priming valves with 3/8" copper pipe.
  - Six traps maximum primed from one priming valve.
  - Where priming valves are installed in finished rooms, conceal in wall and provide access door.
  - Install shutoff valve ahead of priming valve.
- D. Water Hammer Arrestors (WHA): Provide where shown and where recommended by Plumbing Drainage Institute (PDI). Furnish access panel to allow repair or replacement.
- E. Drawings are diagrammatic and may not show all required cleanouts and fittings. Provide additional required items at no additional cost.

END OF SECTION