PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes plumbing fixtures and related components.

1.2 EXTRA MATERIALS

A. Furnish extra materials described below that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Faucet Washers and O-Rings: Equal to 10 percent of amount of each type and size installed.
   2. Faucet Cartridges and O-Rings: Equal to 5 percent of amount of each type and size installed.
   3. Faucet, Laminar-Flow Fittings: Equal to 10 percent of amount of each type and size installed, but not less than 2 of each type and size.
   4. Faucet, Flow-Control Fittings: Equal to 10 percent of amount of each type and size installed.
   5. Supply, Flow-Control Fittings: Equal to 5 percent of amount of each type and size installed.
   6. Shower, Flow-Control Fittings: Equal to 5 percent of amount of each type and size installed.
   7. Flushometer Valve, Repair Kits: Equal to 10 percent of amount of each type installed, but not less than 12 of each type.
   8. Provide hinged-top wood or metal box, or individual metal boxes, with separate compartments for each type and size of extra materials listed above.
   9. Toilet Seats: Equal to 5 percent of amount of each type installed.

PART 2 - PRODUCTS

2.1 LAVATORY FAUCETS

A. Lavatory Faucet: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture holes and outlet with spout and fixture receptor.
   1. Products:
      a. Sloan ETF-600.
      b. Chicago model 550-4
      c. Or approved equal.
   2. Maximum Flow Rate: 2.5 gpm, unless otherwise indicated.

2.2 SINK FAUCETS

A. Sink Faucet: Include hot- and cold-water indicators; coordinate faucet inlets with supplies and fixture holes and outlet with spout and fixture receptor.

.

   1. Manufacturers:
      a. Elkay Model LKD2452BH
      b. Just Manufacturing Model J-1174-KS.
      c. Or approved equal.
   2. Maximum Flow Rate: 2.5 gpm, unless otherwise indicated.

2.3 FLUSHOMETERS

A. Flushometer: Cast-brass body with corrosion-resistant internal components, non-hold-open feature, control stop with check valve, vacuum breaker, and copper or brass tubing, and polished chrome-plated finish on exposed parts.
   1. Manufacturers:
      a. Sloan Optima 111 ES-S.
      b. Zurn ZEMS 6000 AV.
      c. Or approved equal.
   2. Trip Mechanism: Hard-wired sensor actuator.

2.4 TOILET SEATS

A. Toilet Seat: Solid plastic.
   1. Manufacturers:
      a. Olsonite Model 95.
      b. Church Model 295C.
      c. Or approved equal.
   2. Configuration: Open front without cover.
   3. Size: Elongated.
   4. Class: Heavy-duty commercial.

2.5 PROTECTIVE SHIELDING GUARDS

A. Protective Shielding Guard: Manufactured, plastic covering for hot- and cold-water supplies and trap and drain piping and complying with ADA requirements.
   1. Manufacturers:
      a. Truebro Guard Kit.
      b. Trap Wrap.
      c. Or approved equal.

2.6 FIXTURE SUPPORTS

A. Water-Closet Support: Water-closet combination carrier designed for standard and accessible mounting height. Include single or double, vertical or horizontal, hub-and-spigot or hubless waste fitting as required for piping arrangement; faceplates; couplings with gaskets; feet; and fixture bolts and hardware matching fixture. Include additional extension coupling, faceplate, and feet for installation in wide pipe space.
   1. Manufacturers:
      a. J.R. Smith. Figure 210.
      b. Zurn Model 8-1203.
      c. Or approved equal.

B. Urinal Support: Type I, urinal carrier with fixture support plates and coupling with seal and fixture bolts and hardware matching fixture. Include steel uprights with feet.
   1. Manufacturers:
      a. J.R. Smith. Figure 637.
      b. Zurn Model 8-1222..
      c. Or approved equal..

C. Lavatory Support: Type III, lavatory carrier with hanger plate and tie rod. Include steel uprights with feet.
   1. Manufacturers:

a. J.R. Smith, Fig. 0800
b. Zurn Model 3-1224.
c. Or approved equal.

2.7 DISPOSERS

A. Disposer: Continuous-feed, household, food-waste disposer. Include 115-V ac, 1725-rpm, 3/4-hp motor with overload protection and reset button; wall switch; corrosion-resistant chamber with jam-resistant, cutlery or stainless steel grinder or shredder; NPS 1-1/2 outlet; quick-mounting, stainless steel sink flange; antisplash guard; and combination cover/stopper.
1. Manufacturers:
a. Insinkerator; Model 333/SS.
b. Waste King Model 750-1.
c. Or approved equal.
2. Model: Sound-insulated chamber and stainless steel outer shell.

2.8 WATER CLOSETS

A. Water Closets: Floor Mount, back-outlet, vitreous-china fixture designed for flushometer valve operation.
1. Products:
a. Kohler Co.; K-3678.
b. American Standard, Inc.; 2257.103.
c. U.S. Industries, Eljer Plumbingware Div.
d. Or approved equal.
2. Style: Flushometer valve.
a. Bowl Type: Elongated with siphon-jet design.
1) Design Consumption: 1.6 gal./flush.

2.9 URINALS

A. Urinals: Wall-hanging, back-outlet, vitreous-china fixture designed for flushometer valve operation.
1. Products:
a. Kohler Co.; K-5016-T.
b. American Standard, Inc.; 6541.132.
c. U.S. Industries, Eljer Plumbingware Div.
d. Or approved equal.
2.

2.10 LAVATORIES

A. Lavatories, L-1: Wall-hanging, vitreous-china fixture.
1. Products:
a. Kohler Co. Pinoir model K-2035.
b. Or approved equal.

2.11 KITCHEN SINKS

A. Bar Sinks, S-1: Residential, single-compartment, counter-mounting, stainless steel fixture.
1. Products:
a. Elkay Manufacturing Co.; LR-252210.

b. Just Manufacturing Co.; SL-2225-A-GR.
c. Or approved equal.

2. Size: 25 by 22 inches.

2.12 SERVICE SINKS

A. Mop Sinks, MS-1: Floor-mounting, enameled, cast-iron sink with front apron, raised back, and coated, wire rim guard.
1. Products:
a. Commercial Enameling Co. Model 871.
b. Kohler Co.
c. U.S. Industries, Eljer Plumbingware Div.
d. Or approved equal.
2. Size: 28 by 28 inches.

PART 3 - EXECUTION

3.1 GENERAL

A. Install per Design/Builder and manufacturer to maintain warranty.

B. All installations shall conform to ADA, 2010 CBC, 2010 CPC and the CSU Access Compliance Design Standards in Division 1.

END OF SECTION