

SECTION 224000- PLUMBING FIXTURES

PART 1-GENERAL

1.1 SECTION INCLUDES

- A. Water closets
- B. Urinals
- C. Lavatories
- D. Sinks
- E. Mop basin
- F. Electric water coolers
- G. Shower

1.2 REFERENCES

- A. ASME A112.6.1 - Supports for Off-the-Floor Plumbing Fixtures for Public Use.
- B. ASME A112.19.1 - Enameled Cast Iron Plumbing Fixtures.
- C. ASME A112.19.2 - Vitreous China Plumbing Fixtures.
- D. ASME A112.19.4 - Porcelain Enameled Formed Steel Plumbing Fixtures.
- E. ASME A112.19.5 - Trim for Water-Closet Bowls, Tanks, and Urinals (Dimensional Standards).
- F. ARI 1010 - Drinking-Fountains and self-contained, Mechanically- Refrigerated Drinking Water Coolers. Provide lead-free per NSF 372.

1.3 QUALITY ASSURANCE

- A. Meet requirements of Ohio Plumbing Code.
- B. Fixtures: By same manufacturer for each product specified throughout.
- C. Trim: By same manufacturer for each product specified throughout.

1.4 SUBMITTALS

- A. Submit product data under provisions of Applicable Division I Specification.
- B. Include fixtures, sizes, utility sizes, trim, and finishes.

1.5 OPERATION AND MAINTENANCE DATA

- A. Submit operation and maintenance data under provisions of Applicable Division I Specification.
- B. Include fixture trim exploded view and replacement parts lists.

1.6 WARRANTY

- A. Warranty: Include coverage of electric water cooler compressor.
- B. Contractor shall warranty entire systems and equipment for a period of one (1) year.

PART 2-PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Water Closets
 - 1. Sloan
 - 2. American Standard
 - 3. Zurn
- B. Urinals
 - 1. Sloan
 - 2. American Standard
 - 3. Zurn
- C. Flush Valves
 - 1. Sloan
 - 2. Zurn
 - 3. American Standard
- D. Water Closet Seats
 - 1. Bemis
 - 2. Olsonite
 - 3. Beneke
 - 4. Church
- E. Fixture Carriers
 - 1. J.R. Smith
 - 2. Watts
 - 3. Zurn
- F. Lavatories
 - 1. American Standard
 - 2. Bradley
 - 3. Sloan
 - 4. Zurn

- 5. Kohler
- H. Lavatory Faucets
 - 1. Sloan
 - 2. Zurn
 - 3. Chicago Faucet
 - 4. Kohler
- I. Sinks
 - 1. Just
 - 2. Elkay
 - 3. Dayton
 - 4. Moen
- J. Sink Faucets
 - 1. Chicago Faucet
 - 2. Peerless
 - 3. Kohler
 - 4. Moen
- K. Mop Basin
 - 1. Mustee
 - 2. Fiat
 - 3. Swan
 - 4. Zurn
- L. Electric Water Coolers
 - 1. Oasis
 - 2. Elkay
 - 3. Halsey Taylor
- M. Showers
 - 1. Clarion Bathware
 - 2. Bradley
 - 3. Acorn
 - 4. Zurn
 - 5. Leonard

2.2 WATER CLOSET (WC-A, WC-B)

- A. Bowl: Wall mounted, vitreous china, elongated rim; Sloan Model No. WETS-2450.1010 with manually operated flush valve, Sloan Model No. 111 – 1.28 GPF. Mount WC-B at handicap height. Carrier as required.
- B. Seat: Solid white plastic, open front, stainless steel hinge, without cover; Bemis Model No. 1955CT (White).

2.3 URINAL (UR-A, UR-B)

- A. Urinal: Vitreous china, wall hung wash down, integral trap, 3/4 inch top spud, Sloan Model No. WEUS-1000.1010 with manually operated flush valve, Sloan Model No. 186.0- .125 GPF. Mount Urinal-B at handicap height.

2.4 LAVATORY (LAV-A)

- A. Express two user lavatory system – EXD Series; Bradley No. EXD-2N (Color by Arch.) provide with Aerada 900 series faucet and S45-2678 .35 GPM aerator; soap dispenser 6324-68. Install ASSE 1070 mixing valve.

2.5 LAVATORY (LAV-B)(ADA)

- B. Basin: Vitreous china wall mounted, 21" x 18", 4" faucet centers, Model 0355.012 by American Standard. Floor mounted support in chase areas, wall mounted support in non-chase areas.
- C. Sloan hardwired faucet model no. ETF-80, 0.35 GPM, sensor operated, transformer mounted per manufacturer recommendation. Chrome plated offset wheelchair grid drain, chrome plated 1-1/4 inch 17 gauge brass P-trap and arm with escutcheon; 3/8 inch loose key angle stops with flexible supplies. Install Trap Wrap (or approved equal) to supply and drain lines. Install ASSE 1070 mixing valve.

2.6 SINK-A (ADA)

- A. Bowl: Single compartment, 19" x 20" outside dimensions, 18-gauge type 304 stainless steel, self-rimming with undercoating. Model No. SL-ADA-2019-A-GR by Just (6.5" DP) Center rear drain.
- B. Faucet: Chicago Faucet No. 895-317GN2AE73ABCP chrome plated, 5 1/4" rigid/swing gooseneck spout, 1.0 GPM aerator and wristblade handles.
- C. Bubbler: Chicago Faucet No. 748-244ABCP mounted on right side of sink.
- D. Trim: Stainless steel cup strainer with removable basket and 1 1/2" chrome plated brass tailpiece; Chrome plated 1 1/2" 17-gauge brass P-trap and arm with escutcheon, 3/8 loose key angle stops with flexible supplies. Install ASSE 1070 mixing valve.

2.7 SINK-B (ADA)

- A. Bowl: Single compartment, 19" x 20" outside dimensions, 18-gauge type 304 stainless steel, self-rimming with undercoating. Model No. SL-ADA-2019-A-GR by Just (6.5" DP) Center rear drain.
- B. Faucet: Chicago Faucet No. 895-317GN2AE73ABCP, chrome plated, 5 1/4" rigid/swing gooseneck spout, 1.0 GPM aerator and wristblade handles.
- C. Trim: Stainless steel cup strainer with removable basket and 1 1/2" offset chrome plated brass

tailpiece; Chrome plated 1 ½” 17-gauge brass P-trap and arm with escutcheon, 3/8” loose key angle stops with flexible supplies. Install ASSE 1070 mixing valve.

2.8 SINK-C (ADA)

- A. Bowl: Single compartment, 19” x 20” outside dimensions, 18-gauge type 304 stainless steel, self-rimming with undercoating. Model No. SL-ADA-2019-A-GR by Just (6.5” DP) Center rear drain.
- B. Faucet: Chicago Faucet No. 895-317GN2AE73ABCP, chrome plated, 5 ¼” rigid/swing gooseneck spout, 1.0 GPM aerator and wristblade handles.
- C. Trim: Stainless steel cup strainer with removable basket and 1 ½” chrome plated brass tailpiece; Chrome plated 1 ½” 17-gauge brass P-trap and arm with escutcheon, 3/8” loose key angle stops with flexible supplies. Install ASSE 1070 mixing valve.
- B. Install suspended type solids interceptor, J.R. Smith No. 8730.

2.9 SINK-D (ADA)

- A. Bowl: Single compartment, 19” x 20” outside dimensions, 18-gauge type 304 stainless steel, self-rimming with undercoating. Model No. SL-ADA-2019-A-GR by Just (6.5” DP) Center rear drain.
- B. Faucet: Chicago Faucet No. 895-317GN2AE73ABCP, chrome plated, 5 ¼” rigid/swing gooseneck spout, 1.0 GPM aerator and wristblade handles.
- C. Trim: Stainless steel cup strainer with removable basket and 1 ½” offset chrome plated brass tailpiece; Chrome plated 1 ½” 17-gauge brass P-trap and arm with escutcheon, 3/8” loose key angle stops with flexible supplies. Install ASSE 1070 mixing valve.
- D. Install suspended type solids interceptor, J.R. Smith No. 8730.

2.9 MOP BASIN (MB)

- A. Mustee Model No. 63M, 24”x24”, molded fiberglass, with No. 63.600A service faucet, 65.700 hose and hose bracket, 65.600 mop hanger, 67.2436 wall guards, and 63.401 bumper guard.

2.10 ELECTRIC WATER COOLER (EWC)

- A. Surface mounted, Hi-Lo with bottle filler; with stainless steel top, elevated anti-squirt bubbler with stream guard, automatic stream regulator, mounting bracket, refrigerated high efficiency cooling system; Model No. PG8EBFSL by Oasis.

2.12 SHOWER (SHR-A)(ADA)

- A 38” x 37” barrier free shower by Clarion Bathware with left hand fixture wall, #503218

grab bar, #5018 grab bar, #400-33.5"-SDL folding seat, #HHS-30CE (1.5 GPM)
handheld shower with stainless steel glide rails, #CH-SSMV pressure balancing anti-
scald mixing valve, #CR 35 1/2" curtain rod, #660 soap dish and 2" brass drain.

PART 3-EXECUTION

3.1 INSPECTION WS

- A. Review millwork shop drawings. Confirm location and size of fixtures and openings before rough-in and installation.
- B. Verify adjacent construction is ready to receive rough-in work of this Section.

3.2 INSTALLATION

- A. Install each fixture with trap, easily removable for servicing and cleaning.
- B. Provide chrome plated rigid or flexible supplies to fixtures with loose key stops, reducers, and escutcheons.
- C. Install components level and plumb.
- D. Install and secure fixtures in place with carriers and bolts.
- E. Maintain fixtures to heights above finished floor per architectural plans.
- F. Install all fixtures per manufacturer's specifications.

END OF SECTION 224000

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