

**SECTION 22 40 00  
PLUMBING FIXTURES**

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
  - 1. Water Closets.
  - 2. Lavatories.
  - 3. Sinks.

1.2 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit catalog illustrations of fixtures, sizes, rough-in dimensions, utility sizes, trim, and finishes.

1.3 CLOSEOUT SUBMITTALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Closeout procedures.
- B. Operation and Maintenance Data: Submit fixture, trim, exploded view and replacement parts lists.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Accept fixtures on site in factory packaging. Inspect for damage.
- C. Protect installed fixtures from damage by securing areas and by leaving factory packaging in place to protect fixtures and prevent use.

1.5 WARRANTY

- A. Section 01 70 00 - Execution and Closeout Requirements: Product warranties and product bonds.

1.6 EXTRA MATERIALS

- A. Section 01 70 00 - Execution and Closeout Requirements: Spare parts and maintenance products.

PART 2 PRODUCTS

2.1 PLUMBING FIXTURES

- A. Manufacturers:
  - 1. American Standard Plumbing.
  - 2. Chicago Faucet Co.
  - 3. Delta Faucet Co., Commercial Div.
  - 4. Eljer Plumbingware.
  - 5. Kohler Co.
  - 6. Elkay.

- 7. Just.
- 8. Fiat.

## 2.2 TANK TYPE WATER CLOSETS

- A. Bowl: ASME A112.19.2M; floor mounted, siphon jet, vitreous china, 16.5 inches high close-coupled closet combination with elongated rim, insulated vitreous china closet tank with fittings and lever flushing valve, bolt caps.
- B. Seat: Solid white plastic, open front, extended back, self-sustaining hinge, brass bolts, without cover.

## 2.3 LAVATORIES

- A. Vitreous China Counter Top Basin: ASME A112.19.2M; vitreous china self-rimming counter top lavatory, round and oval with drillings on 4 inch centers, front overflow, seal of putty, caulking, or concealed vinyl gasket.
- B. Supply Fitting: ASME A112.18.1; chrome plated combination supply fitting with pop-up waste, or open grid strainer per schedule, water economy aerator with maximum 2.0 gpm flow, indexed handles or single lever handle.
- C. Accessories:
  - 1. Chrome plated 17 gage brass P-trap with clean-out plug and arm with escutcheon.
  - 2. Offset waste.
  - 3. Wheel handle stops.
  - 4. Rigid or flexible supplies.
  - 5. Trap and waste insulated and offset to meet ADA compliance.

## 2.4 SINKS

- A. Single Compartment Bowl: ASME A112.19.3; stainless steel, self-rimming and undercoated, with stainless steel 3-1/2 inch crumb cup drain and tailpiece, ledge back drilled for trim.
- B. Trim: ASME A112.18.1; chrome plated brass supply with high rise swing spout, water economy aerator with maximum 2.2 gpm flow, indexed lever handles and retractable spray.
- C. Accessories: Chrome plated 17 gage brass P-trap with clean-out plug and arm with escutcheon, wheel handle stop, rigid or flexible supplies.

## 2.5 LAVATORY INSULATION KIT

- A. Product Description: Where Lavatories are noted to be insulated for ADA compliance, furnish the following: Safety Covers conforming to ANSI A177.1 and consisting of insulation kit of molded closed cell vinyl construction, 3/16 inch thick, for insulating tailpiece, P-trap, valves, and supply piping. Furnish with weep hole and angle valve access covers.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify walls and floor finishes are prepared and ready for installation of fixtures.

- C. Confirm millwork is constructed with adequate provision for installation of counter top lavatories and sinks.

**3.2 PREPARATION**

- A. Rough-in fixture piping connections in accordance with minimum sizes indicated in fixture rough-in schedule for particular fixtures.

**3.3 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.
- E. Seal fixtures to wall and floor surfaces with sealant as specified in Section 07 90 00, color to match fixture.
- F. Solidly attach water closets to floor with lag screws. Lead flashing is not intended hold fixture in place.
- G. For ADA accessible water closets, install flush valve with handle to wide side of stall.

**3.4 INTERFACE WITH OTHER PRODUCTS**

- A. Review millwork shop-drawings. Confirm location and size of fixtures and openings before rough in and installation.

**3.5 ADJUSTING**

- A. Section 01 70 00 - Execution and Closeout Requirements: Testing, adjusting, and balancing.
- B. Adjust stops or valves for intended water flow rate to fixtures without splashing, noise, or overflow.

**3.6 CLEANING**

- A. Section 01 70 00 - Execution and Closeout Requirements: Final cleaning.
- B. Clean plumbing fixtures and equipment.

**3.7 PROTECTION OF INSTALLED CONSTRUCTION**

- A. Section 01 70 00 - Execution and Closeout Requirements: Protecting installed construction.
- B. Do not permit use of fixtures before final acceptance.

END OF SECTION 22 40 00