

SECTION 10801

TOILET AND BATH ACCESSORIES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Toilet and bath accessories.
 - 2. Warm-air dryers.
 - 3. Installation of Owner furnished toilet accessories.
- B. Related Sections include the following:
 - 1. Division 10 Section "Toilet and Shower Compartments" for toilet, shower and changing compartments.

1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01300.
- B. Product Data: Include construction details, material descriptions and thicknesses, dimensions, profiles, fastening and mounting methods, specified options, and finishes for each type of accessory specified.
- C. Shop Drawings: Include blocking locations and mounting heights identified.
- D. Samples: For each accessory item to verify design, operation, and finish requirements, when requested by Architect.
 - 1. Approved full-size Samples will be returned and may be used in the Work.
- E. Setting Drawings: For cutouts required in other work; include templates, substrate preparation instructions, and directions for preparing cutouts and installing anchoring devices.
- F. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required. Use room and accessory designations indicated on Drawings in product schedule.
- G. Maintenance Data: For accessories to include in maintenance manuals specified in Division 1. Provide lists of replacement parts and service recommendations.

1.04 QUALITY ASSURANCE

- A. Source Limitations: Provide products of same manufacturer for each type of accessory unit and for units exposed to view in same areas, unless otherwise approved by Architect.
- B. Insofar as possible, fitting, construction and fabrication of the work shall be executed at shop, ready for delivery and erection at building.
- C. Provide all holes, connections, and fastenings for and to work of other trades abutting, adjoining or intersecting work of this Section.

1.05 COORDINATION

- A. Coordinate accessory locations with other work to prevent interference with clearances required for access by disabled persons, proper installation, adjustment, operation, cleaning, and servicing of accessories.

1.06 WARRANTY

- A. General Warranty: Special warranty specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Manufacturer's Mirror Warranty: Written warranty, executed by mirror manufacturer agreeing to replace mirrors that develop visible silver spoilage defects within minimum warranty period indicated.
 - 1. Minimum Warranty Period: 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Stainless Steel: ASTM A 666, Type 304, with No. 4 finish (satin), in **0.0312-inch (0.8-mm)** minimum nominal thickness, unless otherwise indicated.
- B. Sheet Steel: ASTM A 366/A 366M, cold rolled, commercial quality, **0.0359-inch (0.9-mm)** minimum nominal thickness; surface preparation and metal pretreatment as required for applied finish.
- C. Galvanized Steel Sheet: ASTM A 653/A 653M, **G60 (Z180)**.
- D. Chromium Plating: ASTM B 456, Service Condition Number SC 2 (moderate service), nickel plus chromium electrodeposited on base metal.
- E. Baked-Enamel Finish: Factory-applied, gloss-white, baked-acrylic -enamel coating.
- F. Mirror Glass: ASTM C 1036, Type I, Class 1, Quality q2, nominal 6.0 mm thick, with silvering, electroplated copper coating, and protective organic coating complying with FS DD-M-411.
- G. Galvanized Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- H. Fasteners: Screws, bolts, and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.

2.02 TOILET ACCESSORIES

- A. Owner Furnished items: Contractor shall install the following items furnished by Owner:
 - 1. Wall-mounted soap dispensers.
 - 2. Toilet tissue dispensers.
- B. Grab Bars (GB): Provide stainless-steel grab bar, concealed mounting with manufacturer's standard flanges and anchors, minimum nominal thickness **0.05 inch (1.3 mm)**, preened gripping surface, **1-1/2 inches (38 mm)** outside diameter for heavy-duty applications, in lengths and configurations indicated.
 - 1. Product: Bobrick Washroom Equipment, Inc.; B-6806 Series.
- C. Channel-Framed Mirror: Fabricate frame from stainless-steel channels in manufacturer's standard polished finish with square corners mitered to hairline joints and mechanically interlocked; size as indicated on Drawings. Mirrors shall be first quality plate-glass conforming to U.S. Commercial Standard CS-27-36 with 2 coats of silver and copper clad. Mirror backs shall be zinc-coated steel.
 - 1. Size: As indicated.

2. Product: Bobrick Washroom Equipment, Inc.; Model B-165 Series.
- D. Sanitary Napkin Disposal Unit, Surface-Mounted: Provide stainless-steel sanitary napkin disposal unit with seamless exposed walls; self-closing top cover; locking bottom panel with stainless steel, continuous hinge; and removable, reusable receptacle.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-254.
 - E. Folding Shower Seat: L-shaped seat, designed for wheelchair access, solid phenolic slats; Type 304 stainless steel frame with self-locking mechanism.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-5181 (Reversible).
 - F. Antibacterial Shower Curtain: Minimum 10-oz. (284-g), nylon-reinforced vinyl or 0.008-inch- (0.2-mm-) thick vinyl material with integral antibacterial agent and corrosion-resistant grommets at minimum 6 inches (152 mm) o.c. through top hem, length required for shower opening indicated.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-204-2.
 - G. Shower Curtain Rod: Provide heavy-duty, 1-1/4-inch (32-mm) OD stainless-steel, minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel, with 3-inch (75-mm) stainless-steel flanges designed for exposed fasteners, in length required for shower opening indicated.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-6047.
 - H. Shower Curtain Hooks: Chrome-plated or stainless-steel, spring wire curtain hooks with snap fasteners, sized to accommodate specified curtain rod. Provide one hook per curtain grommet.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-204-1.
 - I. Towel Hooks: Satin stainless steel concealed mount towel pin with 3 inch projection.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-7677.
 - J. Mop and Broom Holder with Utility Shelf: 36-inch- (914-mm-) long unit fabricated of minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel with shelf, 8 inches deep; support brackets for wall mounting; three hooks for wiping rags; four spring-loaded, rubber hat, cam-type, mop/broom holders. Provide at each janitor's sink.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-239.

2.03 HAND DRYERS

- A. Automatic Hand Dryer: Surface-mounted, warm-air hand dryer with no-touch operation controlled by electronic sensor and with manufacturers' standard, white-painted metal cover; 115V, 20A.
 1. Product: Bobrick Washroom Equipment, Inc.; Model B-708.

2.04 FABRICATION

- A. General: One, maximum 1-1/2-inch- (38-mm-) diameter, unobtrusive stamped manufacturer logo, as approved by Architect, is permitted on exposed face of accessories. On interior surface not exposed to view or back surface of each accessory, provide printed, waterproof label or stamped nameplate indicating manufacturer's name and product model number.
- B. Sections and shapes shall be rolled, formed, drawn, or extruded as required for respective functions.
- C. Molded work shall have sharply defined profile and shall be clean and straight. Plain work shall be leveled, straight and surfaces true and smooth. Edges, angles, and corners shall be square, clean and sharp, unless otherwise detailed.
- D. Fastenings, exposed metal fastenings, and accessories, unless Underwriters prohibit for safety, shall be of same materials, texture, color and finish as the base metal to which applied.
- E. Molds, trim, frames and other metalwork shall be proper dimensions to receive masonry block and tile, plaster, ceramic tile, or other scheduled finishes.

- F. Surface-Mounted Toilet Accessories: Unless otherwise indicated, fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with continuous stainless-steel hinge. Provide concealed anchorage where possible.
- G. Semi-Recessed Toilet Accessories: Unless otherwise indicated, fabricate units of all-welded construction, without mitered corners; exposed edges rolled. Hang doors and access panels with full-length, stainless-steel hinge. Provide anchorage that is fully concealed when unit is closed.
- H. Framed Glass-Mirror Units: Fabricate frames for glass-mirror units to accommodate glass edge protection material. Provide mirror backing and support system that permits rigid, tamper-resistant glass installation and prevents moisture accumulation.
 - 1. Provide galvanized steel backing sheet, not less than 0.034 inch (0.85 mm) and full mirror size, with nonabsorptive filler material. Corrugated cardboard is not an acceptable filler material.
- I. Mirror-Unit Hangers: Provide mirror-unit mounting system that permits rigid, tamper- and theft-resistant installation, as follows:
 - 1. One-piece, galvanized steel, wall-hanger device with spring-action locking mechanism to hold mirror unit in position with no exposed screws or bolts.
- J. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Secure mirrors to walls in concealed, tamper-resistant manner with special hangers, toggle bolts, or screws. Set units level, plumb, and square at locations indicated, according to manufacturer's written instructions for substrate indicated.
- C. Install grab bars to withstand a downward load of at least 250 lbf (1112 N), when tested according to method in ASTM F 446.
- D. Install Owner furnished items in accordance with manufacturer's instruction and as located on Drawings.

3.02 TOILET ACCESSORIES SCHEDULE

- A. Toilet Accessories in Single Person Toilet Rooms :
 - 1. Install one soap dispenser (SD).
 - 2. Install one toilet tissue dispenser (TTD).
 - 3. Provide channel-framed mirror over lavatory.
 - 4. Provide one automatic hand dryer.
 - 5. Provide grab bars in configuration indicated.
 - 6. Provide one towel hook, one folding shower seat, one shower rod, one shower curtain and one set of curtain hooks.
- B. Toilet Accessories in Multi-Person Toilet Rooms:
 - 1. Install one soap dispenser (SD) for each lavatory.
 - 2. Install one toilet tissue dispenser (TTD) for each water closet.
 - 3. Provide channel-framed mirror over each lavatory.
 - 4. Provide automatic hand dryer at each location indicated.
 - 5. Provide grab bars in configuration indicated at designated water closets .
 - 6. Provide one sanitary napkin disposal unit for each water closet in Women's Toilets.

- C. Toilet Accessories in Shower Rooms:
 - 1. Provide grab bars in configuration indicated at designated shower stalls.
 - 2. Provide one folding shower seat in designated shower stalls.
 - 3. Provide one shower curtain at each shower compartment and each changing compartment.
 - a. Shower curtain hooks and carrier provided in Division 10 Section "Toilet and Shower Compartments."
 - 4. Provide one towel hook in each changing area.
 - 5. Provide six towel hooks outside changing area where indicated.

- D. Janitor Closets:
 - 1. Provide one mop/broom holder.

3.03 ADJUSTING AND CLEANING

- A. Adjust accessories for unencumbered, smooth operation and verify that mechanisms function properly. Replace damaged or defective items.

- B. Remove temporary labels and protective coatings.

- C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

END OF SECTION