

SECTION 102800 - TOILET, BATH, AND LAUNDRY ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.3 SUMMARY

- A. This Section includes the following:

1. Toilet and Bath Accessories, Janitors' Closet Accessories.
2. Warm air hand dryer.

- B. Related Sections include the following:

1. Division 4 Section "Unit Masonry Assemblies".
2. Division 10 Section "Toilet Compartments" for compartments and screens.
3. Division 16 for electric service for warm-air hand dryer.

1.4 SUBMITTALS

- A. 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.
- B. Samples: For each accessory item to verify design, operation, and finish requirements.
1. Approved full-size Samples will be returned and may be used in the Work.
- C. Setting Drawings: For cutouts required in other work; include templates, substrate preparation instructions, and directions for preparing cutouts and installing anchoring devices.
- D. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required. Use designations indicated in the Toilet and Bath Accessory Schedule and room designations indicated on Drawings in product schedule.
- E. Maintenance Data: For accessories to include in maintenance manuals specified in Division 1. Provide lists of replacement parts and service recommendations.

1.5 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.

1.6 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.
- B. Deliver inserts and anchoring devices set into concrete or masonry as required preventing delaying the Work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include the following:
 - 1. A & J Washroom Accessories, Inc.
 - 2. American Specialties, Inc.
 - 3. Bobrick Washroom Equipment, Inc.
 - 4. Bradley Corporation.
 - 5. General Accessory Manufacturing Co. (GAMCO).
 - 6. McKinney/Parker Washroom Accessories Corp.
 - 7. World Dryer.

2.2 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. Brass: ASTM B 19, leaded and unleaded flat products; ASTM B 16 (ASTM B 16M), rods, shapes, forgings, and flat products with finished edges; ASTM B 30, castings.
- C. 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.
- D. Galvanized Steel Sheet: ASTM A 653/A 653M, G60 (Z180).
- E. Chromium Plating: ASTM B 456, Service Condition Number SC 2 (moderate service), nickel plus chromium electrodeposited on base metal.
- F. Baked-Enamel Finish: Factory-applied, gloss-white, baked-acrylic-enamel coating.

- G. Mirror Glass: ASTM C 1036, Type I, Class 1, Quality q2, nominal ¼" thick, tempered with silvering, electroplated copper coating, and protective organic coating complying with FS DD-M-411.
- H. Galvanized Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- I. Fasteners: Screws, bolts, and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.

2.3 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. General: Names or labels are not permitted on exposed faces of accessories. On interior surface not exposed to view or on back surface of each accessory, provide printed, waterproof label or stamped nameplate indicating manufacturer's name and product model number.
- C. 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.
- D. 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 non-absorptive filler material. Corrugated cardboard is not an acceptable filler material.
- E. 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.
- F. Keys: Provide universal keys for internal access to accessories for servicing and re-supplying. Provide minimum of six keys to Owner's representative.

2.4 TOILET TISSUE DISPENSER

- A. Toilet Tissue Dispenser for Two Rolls
- B. Basis of Design: Bobrick #B-2740. Other Acceptable manufacturers are:
 - 1. ASI: 0264-1A
 - 2. Gamco: 5241-500000

- C. Cast aluminum, satin finish. Plastic spindles, concealed locking device; theft-resistant. Holds two rolls up to 6" (150mm) diameter (2000 sheets). Unit 12 1/2" (320mm) wide, proj. 4 7/8" (125mm) from wall. No controlled delivery

2.5 GRAB BARS

- A. Provide stainless-steel grab bar complying with the following:
 - 1. Stainless-Steel Nominal Thickness: Minimum 0.05 inch (1.3 mm).
 - 2. Mounting: Concealed with manufacturer's standard flanges and anchors.
 - 3. Gripping Surfaces: Manufacturer's standard slip-resistant texture.
 - 4. Outside Diameter: 1-1/2 inches (38 mm) for heavy-duty applications.

2.6 SANITARY NAPKIN DISPOSAL UNIT

- A. Surface Mounted Type: ASI Model 0852. Type 304 stainless steel: all-welded construction. With self-closing door and removable, reusable molded polyethylene receptacle. Exposed surfaces shall have satin finish. Receptacle shall have a capacity of 1.2 gallon. Other acceptable manufacturers are:
 - 1. Bobrick
 - 2. Bradley
- B. Door shall have 9/16 inch 90 degree return and be equipped with a concealed, full length stainless steel piano hinge. Napkin disposal shall have self closing stainless steel panel covering receptacle opening. Panel shall be equipped with full length stainless steel piano hinge and international graphic symbol identifying napkin disposal.

2.7 MIRROR UNIT

- A. Stainless-Steel, Channel-Framed Mirror: ASI Model 0620. Fabricate frame from stainless-steel channels in manufacturer's standard satin finish with square corners mitered to hairline joints and mechanically interlocked. See toilet room schedule on drawings for sizes and location of ADA compliant mirrors. Other acceptable manufacturers are:
 - 1. Bobrick; B-165 Series
 - 2. Gamco; C-Series
- B. Where indicated on schedule, provide 18 gauge stainless, 5" wide, steel shelf with satin finish and all edges returned and hemmed. Shelf shall be welded to face frame.
- C. 1/4" tempered glass mirror.

2.8 MOP AND BROOM HOLDER – JANITORS' CLOSET

- A. Mop and Broom Holder with Utility Shelf: ASI Model 1315-4. 36-inch- (914-mm-) long unit fabricated of minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel with shelf; support brackets for wall mounting; three hooks for wiping rags; four spring-loaded, rubber hat, cam-

type, mop/broom holders mounted on front of shelf; and approximately 1/4-inch- (6-mm-) diameter, stainless-steel rod suspended beneath shelf for drying rags.

- B. Provide in each janitor's closet.

2.9 COMBINATION PAPER TOWEL AND DISPOSAL

- A. Bobrick: Model B-3961 Combination Paper Tower Dispenser and Waste Receptacle. Other acceptable manufacturers are:

- 1. ASI: 046924

- B. Unit includes convertible universal, roll paper towel module and 12-gallon waste receptacle. Satin-finish stainless steel. Seamless beveled flange. "touch-free" pull-towel mechanism dispenses 12" (305mm) length per pull of universal roll paper towels. Accommodates 8" (205mm) wide, up to 8" (205mm) diameter rolls, 800 ft (244m) long, plus 3-1/2" (90mm) diameter stub roll with automatic transfer. Receptacle is 8" (205mm) deep with capacity of 12-gal. (45.5-L); extends 4-1/8" (105mm) from wall. Rough Wall Opening: 15-7/8" W, 54-5/8" H, 4" min. depth (403 x 1087 x 100mm).

2.10 SOAP DISPENSER

- A. Verify make and model number with Owner prior to any purchase : Surface Mounted Soap Dispenser: Soap dispenser shall be Type 304 stainless steel with satin finish. Corrosion resistant valve shall dispense viscous to thin, free flowing lather. Valve shall be operable with one hand and with less than 5 pounds of force to comply with ADA Accessibility Guidelines. Container body and back-plate shall be epoxy sealed to prevent warping and leakage. Soap dispenser shall have concealed, vandal resistant mounting, locked, hinged stainless steel lid for top filling shall require special key to open. Capacity shall be 40 fluid ounces.

- B. Verify make and model number with Owner prior to any purchase : ASI Model 0347 or approved equal. Other acceptable manufacturers are:

- 1. Bobrick; B2111
 - 2. Gamco; G-16AP

2.11 WARM AIR HAND DRYER

- 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.

- B. Bobrick; Model #B-750 Recessed Hand Dryer with drawn steel, vitreous enamel finished cover or approved equal. Other acceptable manufacturers are:

- a. A&J Washroom U1511EA
 - b. American Specialties, Inc.; 0185

- C. Shower Curtain:

- 1. Basis-of-Design Product: Bradley 9537

2. Size: Minimum 12 inches (305 mm) wider than opening by 72 inches (1828 mm) high.
3. Material: Nylon-reinforced vinyl, minimum 10-oz. (284-g) or 0.008-inch- (0.2-mm-) thick vinyl, with integral antibacterial agent.
4. Color: White.
5. Grommets: Corrosion resistant at minimum 6 inches (152 mm) o.c. through top hem.
6. 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.

2.12 Folding Shower Seat:

A. Basis-of-Design Product: Bradley 9594. Other acceptable manufacturers are:

1. ASI 8206 L or R.
2. Bobrick B-5181.
3. Configuration: L-shaped seat, designed for wheelchair access.
4. Seat: Phenolic or polymeric composite of slat-type or one-piece construction in color as selected by Architect.
5. Mounting Mechanism: Stainless steel, No. 4 finish (satin).
6. Dimensions: 33" wide and projects 22 7/8" from wall.

B. Soap Dish:

1. Basis-of-Design Product: Bradley 940. Other acceptable manufacturers are:
 - a. ASI 0398
 - b. Bobrick B-4390
2. Description: With washcloth bar.
3. Mounting: Recessed
4. Material and Finish: Stainless steel, No. 4 finish (satin).

2.13 CHILDCARE ACCESSORIES

A. Basis-of-Design Product: The design for accessories is based on products indicated. Subject to compliance with requirements, provide the named product or a comparable product by one of the following:

1. American Infant Care Products Inc.
2. American Specialties, Inc.
3. Bradley
4. Bobrick
5. Koala Corporation.
6. Safe-Strap Company, Inc.

B. Diaper-Changing Station:

1. Basis of design: Bradley Model 9611. Other acceptable manufacturers are:
 - a. American Specialties, Inc.; #9012
 - b. Bobrick; B-2230
 - c. Koala Corporation; Koala Bear Kare® Changing Station

2. Description: Horizontal unit that opens by folding down from stored position and with child-protection strap.
 - a. Engineered to support a minimum of 250-lb (113-kg) static load when opened.
3. Mounting: Surface mounted, with unit projecting not more than 4 inches (100 mm) from wall when closed.
4. Operation: By pneumatic shock-absorbing mechanism.
5. Material and Finish: High-density polyethylene in manufacturer's standard color.
6. Liner Dispenser: Built in.

C. Child-Protection Seat:

1. Basis of Design: Bobrick B-2220. Other acceptable manufacturers are:
 - a. Koala Corporation; KB102
 - b. Safe-Strap Company, Inc.; Safe-Sitter, Child Protection Seat (powder gray)
2. Description: Unit that opens by folding down from stored position and with child-protection strap.
 - a. Engineered to support a minimum of 150-lb (68-kg) static load when opened.
3. Mounting: Surface mounted, with unit projecting not more than 4-1/2 inches (114 mm) from wall when closed.
4. Material and Finish: High-density polyethylene in manufacturer's standard color.

PART 3 - EXECUTION

3.1 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.

3.2 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 102800

THIS PAGE INTENTIONALLY LEFT BLANK