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**SECTION 10 28 00**  
**TOILET, BATH, AND LAUNDRY ACCESSORIES**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

- A. Accessories for toilet rooms and showers.
- B. Grab bars.
- C. Electric hand dryers.

**1.2 RELATED REQUIREMENTS**

- A. Section 04 20 00 - Unit Masonry: Recessed openings in masonry walls for semi-recessed accessories.
- B. Section 06 10 00 - Rough Carpentry: Concealed supports for accessories, including in wall framing and plates.
- C. Section 09 21 16 - Gypsum Board Assemblies: Placement of concealed anchor devices.

**1.3 REFERENCE STANDARDS**

- A. ASTM A269/A269M - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service; 2015.
- B. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2015.
  - 1. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
    - a. ASTM C1036 - Standard Specification for Flat Glass; 2011.
  - 2. ASTM C1048 - Standard Specification for Heat-Strengthened and Fully Tempered Flat Glass; 2012.
  - 3. ASTM F2285 - Standard Consumer Safety Performance Specification for Diaper Changing Tables for Commercial Use; 2004 (Reapproved 2010).

**1.4 ADMINISTRATIVE REQUIREMENTS**

- A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

**1.5 SUBMITTALS**

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
  - 1. Product Data: Submit data on accessories describing size, finish, details of function, and attachment methods.
  - 2. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

**PART 2 PRODUCTS**

**2.1 MANUFACTURERS**

- A. Basis of Design - Toilet Room Accessories: Bobrick Washroom Equipment Inc.; [www.bobrick.com](http://www.bobrick.com).
- B. Other Acceptable Manufacturers:
  - 1. AJW Architectural Products: [www.ajw.com](http://www.ajw.com).
  - 2. ASI - American Specialties, Inc: [www.americanspecialties.com](http://www.americanspecialties.com).
  - 3. Bradley Corporation: [www.bradleycorp.com](http://www.bradleycorp.com).

- a. All items of each type to be made by the same manufacturer.

## **2.2 MATERIALS**

- A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
  1. Grind welded joints smooth.
  2. Fabricate units made of metal sheet of seamless sheets, with flat surfaces.
  3. Keys: Provide two keys for each accessory to Owner; master key lockable accessories.
    - a. Stainless Steel Sheet: ASTM A666, Type 304.
  4. Stainless Steel Tubing: ASTM A269/A269M, Type 304 or 316.
  5. Galvanized Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
  6. Mirror Glass: Tempered safety glass, ASTM C1048; and ASTM C1036 Type I, Class 1, Quality Q2, with silvering as required.
    - a. Fasteners, Screws, and Bolts: Hot dip galvanized; tamper-proof; security type.

## **2.3 FINISHES**

- A. Stainless Steel: No. 4 Brushed finish, unless otherwise noted.
- B. Baked Enamel: Pretreat to clean condition, apply one coat primer and minimum two coats epoxy baked enamel.

## **2.4 TOILET ROOM ACCESSORIES**

- A. Toilet Paper Dispenser - T5: Double roll, surface mounted bracket type, spindleless type for tension spring delivery designed to prevent theft of tissue roll.
  1. Product: B-2888 manufactured by Bobrick Washroom Equipment Inc.
- B. Mirrors - T9 thru T12: Stainless steel framed, 1/4 inch thick tempered safety glass; ASTM C1048.
  1. Sizes: As indicated on drawings.
  2. Frame: 0.05 inch angle shapes, with mitered and welded and ground corners, and tamperproof hanging system; No.4 finish.
  3. Product: Series B-1658 manufactured by Bobrick Washroom Equipment Inc.
- C. Grab Bars - T1, T2, T3 and T4: Stainless steel, satin finish grasping surface.
  1. Standard Duty Grab Bars:
    - a. Push/Pull Point Load: 250 pound-force, minimum.
    - b. Dimensions: 1-1/4 inch outside diameter, minimum 18 gauge wall thickness, concealed flange mounting, 1-1/2 inch clearance between wall and inside of grab bar.
    - c. Length and Configuration: As indicated on drawings.
    - d. Finish: Satin finish with peened gripping surface.
    - e. Products: Bobrick Washroom Equipment Inc. Series B-6806.
      - 1) T1: B-6806.99x 36.
      - 2) T2: B-6806.99 x 42.
      - 3) T3: B-6806.99 x 18.
      - 4) T4: B-6861 L-shaped for shower application.
- D. Sanitary Napkin Disposal Unit - T18 : Stainless steel, surface mounted, stainless steel door with full-length stainless steel piano-type hinge, removable receptacle.
  1. Product: B-254 manufactured by Bobrick Washroom Equipment Inc.

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**2.5 SHOWER AND TUB ACCESSORIES**

- A. Shower curtains, hangers and rods - T7: Provide shower curtain and rod assemblies as indicated on drawings at entry to showers.
  - 1. Products: Bobrick B-204-1, B-204-(2 or3) and B-207.
  - 2. Shower Curtain Hooks: Provide stainless steel Type 304 shower curtain hooks, sized for shower curtain rod specified.
    - a. Model: Bobrick B-204-1.
  - 3. Shower Curtains: Provide premium vinyl shower curtains per applications indicated.
    - a. Curtain Color: White.
    - b. Models: As required for application.
      - 1) Standard shower stalls: Provide one B-204-2 shower curtain and recommended number of hangers for each prefabricated shower stall. See Section 22 40 40 - Plumbing Fixtures.
      - 2) Shower in Sally Port A107: Provide two B-204-3 shower curtains and recommended number of hangers for each curtain.
  - 4. Shower Curtain Rod: Provide Stainless steel Type 304, 20 gauge, 1" diameter curtain rod with concealed mounting.
    - a. Model: Bobrick B-207 x length required per application. Coordinate with prefabricated shower enclosure.
- B. Folding Shower Seat - T6: Wall-mounted, welded stainless steel tubular seat frame, structural support members, swing-down legs, hinges and mechanical fasteners of Type 304 stainless steel, L-shaped, right or left hand.
  - 1. Seat: One piece, 1/2" solid phenolic with matte finish and integral slots for water drainage. Reversible for left or right hand installation in the field.
  - 2. Size: ADA Standards compliant.
  - 3. Product: B-5181 manufactured by Bobrick Washroom Equipment Inc. as indicated on drawings by seat orientation.
- C. Towel Pin - T8: Stainless steel, 3-3/8 inch extension from wall; square-shaped bracket and backplate for concealed attachment, 22 gauge stainless steel with satin finish.
  - 1. Product: B-6777 manufactured by Bobrick Washroom Equipment Inc.

**2.6 ELECTRIC HAND/HAIR DRYERS**

- A. Electric Hand Dryers: Traditional fan-in-case type, with downward fixed nozzle.
  - 1. Operation: Automatic, sensor-operated on and off.
  - 2. Mounting: Wall-mounted - surface.
  - 3. Cover: Sprayed Nickel with anti-bacterial additive in paint.
    - a. Tamper-resistant screw attachment of cover to mounting plate.
    - b. Screened or shielded air intake.
  - 4. Airspeed @ Aperture: 420mph.
  - 5. Total Wattage: 1000 W, maximum; no heater.
  - 6. Runtime: Field adjustable, from approximately 10 seconds to approximately 35 seconds.
  - 7. Power: 120V - 60Hz.
  - 8. Electric Hand Dryer Products: Basis of Design - Dyson Model Dyson Airblade "V" HU02; [www.dyson.com](http://www.dyson.com) or comparable product meeting project requirement by one of the following:

- a. Excel Dryer Inc: [www.exceldryer.com/#sle](http://www.exceldryer.com/#sle).
- b. Mitsubishi Electric Trane HVAC US LLC: [www.mitsubishielectric.com](http://www.mitsubishielectric.com).
- c. World Dryer Corporation: [www.worlddryer.com](http://www.worlddryer.com).

**PART 3 EXECUTION****3.1 EXAMINATION**

- A. Verify existing conditions before starting work.
- B. Verify exact location of accessories for installation.
- C. Verify that field measurements are as indicated on drawings.
- D. See Section 06 10 00 - Rough Carpentry for installation of blocking, reinforcing plates, and concealed anchors in walls.

**3.2 PREPARATION**

- A. Deliver inserts and rough-in frames to site for timely installation.
- B. Provide templates and rough-in measurements as required.

**3.3 INSTALLATION - ACCESSORIES**

- A. Install accessories in accordance with manufacturers' instructions in locations indicated on the drawings.
- B. Install plumb and level, securely and rigidly anchored to substrate.
- C. Mounting Heights: As required by accessibility regulations, unless otherwise indicated.
- D. Curtains: Install curtains to specified length and verify that they hang vertically without stress points or diagonal folds.

**3.4 PROTECTION**

- A. Protect installed accessories from damage due to subsequent construction operations.

**END OF SECTION 10 28 00**