

SECTION 10 28 13
TOILET ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Toilet accessories.

1.2 COORDINATION

- A. Coordinate accessory locations with other work to prevent interference with clearances required for access by people with disabilities, and for proper installation, adjustment, operation, cleaning, and servicing of accessories.
- B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
 - 1. Identify locations using room designations indicated.
 - 2. Identify products using designations indicated.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.5 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.6 WARRANTY

- A. Special Mirror Warranty: Manufacturer's standard form in which manufacturer agrees to replace mirrors that develop visible silver spoilage defects and that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 15 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 OWNER FURNISHED MATERIALS

- A. Owner Furnished Materials: Only as indicated on the Drawings.

2.2 TOILET ACCESSORIES

- A. Basis-of-Design Products: Subject to compliance with requirements, provide products indicated on Drawings. Subject to requirements and aesthetic equivalence as determined solely by the Architect, comparable products by one of the following may also be acceptable. No assumptions as to acceptability shall be made by the Contractor. The Architect shall be the sole determining entity for comparable product evaluations:

1. American Dryer, Inc.
2. American Specialties, Inc.
3. Bobrick Washroom Equipment, Inc.
4. Bradley Corporation.
5. Excel Dryer Corporation.
6. GAMCO Specialty Accessories; a division of Bobrick Washroom Equipment, Inc.
7. World Dryer Corporation.

2.3 MATERIALS

- A. Stainless Steel: ASTM A 666, Type 304, 0.031-inch minimum nominal thickness unless otherwise indicated.
- B. Brass: ASTM B 19, flat products; ASTM B 16/B 16M, rods, shapes, forgings, and flat products with finished edges; or ASTM B 30, castings.
- C. Steel Sheet: ASTM A 1008/A 1008M, Designation CS (cold rolled, commercial steel), 0.036-inch minimum nominal thickness.
- D. Galvanized-Steel Sheet: ASTM A 653/A 653M, with G60 hot-dip zinc coating.
- E. Galvanized-Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- F. Fasteners: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant where exposed, and of galvanized steel where concealed.
- G. Chrome Plating: ASTM B 456, Service Condition Number SC 2 (moderate service).

- H. Mirrors: ASTM C 1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.

2.4 FABRICATION

- A. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip units for concealed anchorage and with corrosion-resistant backing plates.
- B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of three keys to Owner's representative.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine openings scheduled to receive recessed units for dimensions, plumbness of blocking or frames and preparation that would affect installation of accessories.
- B. Verify spacing of plumbing fixtures and toilet compartments that affect installation of accessories. Verify location of accessories.
- C. Verify all required utilities have been installed and are viable for installation of toilet accessories.
- D. Proceed with installation after correcting unsatisfactory conditions.

3.2 PREPARATION

- A. Protect adjacent or adjoining finished surfaces and Work from damage during installation of accessories.

3.3 INSTALLATION

- A. Install accessories according to manufacturers' written instructions, using tamper resistant fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated. Provide and connect all required utilities and provide new batteries as required for operation; replace batteries with new units at Substantial Completion.
- B. Grab Bars: Install to withstand a downward load of at least 250 lbf, when tested according to ASTM F 446.
- C. Drill holes to correct size and application that is concealed by items with 1/4 inch (6 mm) tolerance.
- D. Mount recessed accessories into wall openings with sheet metal screws into metal frames. Mount surface mounted accessories to backup material with toggle bolts, plumb and align.

- E. Use tamperproof fasteners.

3.4 ADJUSTING AND CLEANING

- A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written instructions.

3.5 PROTECTION

- A. Protect adjacent and adjoining finished surfaces and Work from damage during installation and other Work for the duration of construction. All damaged units beyond repair shall be replaced at no additional cost to the Owner or Project.

END OF SECTION