

CONSTRUCTION STANDARD SPECIFICATION**SECTION 10800****TOILET ACCESSORIES**

	<u>Page</u>
PART 1 - GENERAL	2
1.01 SUMMARY	2
1.02 REFERENCES	3
1.03 SUBMITTALS	3
1.04 QUALITY ASSURANCE	4
1.05 WARRANTY	4
1.06 DEFINITIONS.....	4
PART 2 - PRODUCTS	4
2.01 MANUFACTURERS	5
2.02 ACCESSIBILITY REQUIREMENTS	5
2.03 MATERIALS.....	5
2.04 PAPER TOWEL DISPENSERS (SFM).....	5
2.05 TOILET TISSUE DISPENSERS (SFM).....	6
2.06 WASTE RECEPTACLES	6
2.07 GRAB BARS	6
2.08 SANITARY NAPKIN VENDORS (SFM).....	6
2.09 SANITARY NAPKIN DISPOSAL UNITS (SFM).....	6
2.10 SOAP DISPENSERS (SFM)	6
2.11 SEAT COVER DISPENSERS (SFM).....	7
2.12 MIRROR UNITS	7
2.13 SHOWER AREAS.....	7
2.14 FABRICATION.....	8
2.15 MOP SINK WALL PROTECTION	9
PART 3 - EXECUTION	9
3.01 INSTALLATION	9
3.02 COORDINATION	10
3.03 ADJUSTING AND CLEANING.....	10

CONSTRUCTION STANDARD SPECIFICATION

SECTION 10800

TOILET ACCESSORIES

PART 1 - GENERAL

1.01 SUMMARY

- A. Section includes toilet accessory items as scheduled and detailed in the Contract documents, and as specified herein.
 - 1. Paper towel dispenser.
 - 2. Toilet tissue dispenser.
 - 3. Waste receptacle.
 - 4. Grab bars.
 - 5. Sanitary napkin vendor.
 - 6. Sanitary napkin disposal unit.
 - 7. Soap dispenser.
 - 8. Seat cover dispenser.
 - 9. Framed mirror unit.
 - 10. Shower Curtain Rod
 - 11. Shower Curtain
 - 12. Soap Dish
 - 13. Robe Hook
 - 14. Towel Bar
 - 15. Shelf
 - 16. Hair Dryer
 - 17. Backsplash wall protection for Janitor's Mop Sink

- B. Sandia-Furnished Material (SFM): Products marked SFM will be supplied by Sandia National Laboratories (SNL) for incorporation into Work of this Section.
- C. Related Sections: Refer to the following sections for related work.
 - 1. Section 08800, "Glass and Glazing" for frameless mirrors.
 - 2. Section 10160, "Metal Toilet Compartments" for metal toilet compartments and accessories

1.02 REFERENCES

- A. American Society of Testing and Materials (ASTM)
 - A153 Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware
 - A366 Specification for Steel Sheet, Carbon, Cold-Rolled, Commercial Quality
 - A653 Specification for Steel Sheet, Zinc-Coated (Galvanized or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
 - A666 Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar
 - B16 Specification for Free-Cutting Brass Rod, Bar, and Shapes for Use in Screw Machines
 - B19 Specification for Cartridge Brass Sheet, Strip, Plate, Bar, and Disks (Blanks)
 - B30 Specification for Copper-Base Alloys in Ingot Form
 - B456 Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium
 - C1036 Specification for Flat Glass
 - F446 Consumer Safety Specification for Grab Bars and Accessories Installed in the Bathing Area
- B. Federal Specifications (FS)
 - FS DD-M-411 Mirrors, Glass
- C. ADA and ABA Accessibility Guidelines for Buildings and Facilities, Part II: ABA Application and Scoping.

1.03 SUBMITTALS

- A. General: Submit the following in accordance with conditions of Contract and Section 01330, "Submittal Procedures."
- B. Product Data: Submit product data for each toilet accessory item specified, including construction details relative to materials, dimensions, gages, profiles, mounting method, specified options, and finishes.
- C. Setting drawings where cutouts are required in other work, including templates, substrate preparation instructions, and directions for preparing cutouts and installing anchorage devices.
- D. Maintenance Data: To include in maintenance manuals specified in Division 1. Provide lists of replacement parts and service recommendations.

1.04 QUALITY ASSURANCE

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 Sandia Delegated Representative (SDR).

1.05 WARRANTY

- A. General Warranty: Special warranty specified in this Article shall not deprive SNL of other rights SNL may have under other provisions of Contract Documents, and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of 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.

Minimum Warranty Period: Fifteen (15) years from date of substantial completion.

1.06 DEFINITIONS

Beneficial Occupancy: The point at which the Project Team determines the facility or area can be occupied from both a regulatory and work function standpoint.

Construction Complete: The point at which the Project Team determines the requirements of the Construction Phase including the construction contract are fulfilled. This includes the resolution of any open items.

Project Complete: The point at which the Project Team determines that all project activities are completed, closed, and/or approved for normal operations.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

Available Manufacturers: Subject to compliance with requirements, manufacturers offering toilet accessories that may be incorporated in the Work include, but are not limited to, the following:

- A & J Washroom
- American Specialties
- Bobrick Washroom Equipment, Inc.
- Bradley Corporation

2.02 ACCESSIBILITY REQUIREMENTS

- A. Accessible Controls and Operating Mechanism: Must be operable with one hand, without tight grasping, pinching, or twisting of the wrist. Force required to activate controls shall be no greater than 5 lb-ft (22.2 N).
- B. Toilet Tissue Dispensers: Do not use toilet tissue dispensers that control delivery, or do not permit continuous paper flow.

2.03 MATERIALS

- A. Stainless Steel: ASTM A666, Type 304, with No. 4 finish (satin), 0.0312-inch (0.8-mm) minimum nominal thickness, unless otherwise indicated.
- B. Brass: ASTM B19, leaded and unleaded, flat products; ASTM B16, rods, shapes, forgings, and flat products with finished edges; ASTM B30, castings.
- C. Sheet Steel: ASTM A366, 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 A653, G60 (Z180).
- E. Chromium Plating: ASTM B456, 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 C1036, Type I, Class 1, Quality q2, nominal 6.0 mm (0.24-inch) thick, with silvering, electroplated copper coating, and protective organic coating complying with FS DD-M-411.
- H. Galvanized Steel Mounting Devices: ASTM A153, 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 where concealed.

2.04 PAPER TOWEL DISPENSERS (SFM)

Surface-Mounted Towel Dispensers: Bay West roll towel dispenser, Model #655-LT; furnished by SNL. Install as indicated on the Drawings, with shoulder clearance at the sink.

2.05 TOILET TISSUE DISPENSERS (SFM)

Surface-Mounted Toilet Tissue Dispenser: Bay West Four-Roll Wagon Wheel dispenser, Model #884; furnished by SNL. Install as indicated on the Drawings, with clearance for full stall door operation.

2.06 WASTE RECEPTACLES

Free-Standing Waste Receptacle: Stainless steel, 36-gallon capacity waste receptacle with swing top.

2.07 GRAB BARS

- A. Stainless Steel Nominal Thickness: Minimum 0.050 inch (1.3 mm).
- B. Mounting: Concealed with manufacturer's standard flanges and anchors.
- C. Gripping Surfaces: Smooth, satin finish.
- D. Outside Diameter: 1-1/2" inches (38 mm).

2.08 SANITARY NAPKIN VENDORS (SFM)

- A. General: Cabinet is of all-welded, stainless steel construction. Provide seamless door with returned edges. Provide identification reading "Napkins" and "Tampons"; brand-name advertising is not allowed. Capacity not less than 15 napkins and 20 tampons.
- B. Mounting: Install one of the following, as indicated on Drawings.
 - 1. Fully-recessed type designed for nominal 4"-inch (100-mm) wall depth.
 - 2. Semi-recessed type, with stainless steel collar to extend unit 2" inches (51 mm) from wall.
 - 3. Surface-mounted type.
- C. Operation: No-coin operation (free).

2.09 SANITARY NAPKIN DISPOSAL UNITS (SFM)

Surface-Mounted Type: Install stainless steel unit with seamless exposed walls, self-closing top cover, and locking bottom panel with continuous, stainless steel hinge.

2.10 SOAP DISPENSERS (SFM)

Wall-Mounted Liquid Soap Dispenser: Sani-Fresh 800 ML soap dispenser, Model #91132; furnished by SNL. Install as shown on Drawings, with non-interference with sink valves, etc.

2.11 SEAT COVER DISPENSERS (SFM)

Surface-Mounted Type: James River Safe T Gard seat covers; furnished by SNL. Install as indicated on the Drawings, with clearance for full stall door operation.

2.12 MIRROR UNITS

Stainless Steel, Angle-Framed Mirror: Fabricate frame from minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel angles, with square corners mitered, welded, and ground smooth.

2.13 SHOWER AREAS

The following items shall be contractor supplied and contractor installed when the requirements for the facility is determined, and it has been approved that a space be provided for building occupants to shower.

A. SHOWER CURTAIN RODS

Stainless steel 1"-inch (25.4mm) OD; thick stainless steel. Mounting Flanges: Stainless Steel flanges designed for exposed fasteners. Finish: No.4 (satin).

B. SHOWER CURTAINS

Size: Minimum 6" inches (152mm) wider than the opening by 72" inches (1828mm) high. Material: Nylon-reinforced vinyl, minimum 10oz. (284-g) or 0.008 inch- (0.2-mm-) thick, with integral antibacterial agent. Antibacterial shower curtains are available in green. Color: as selected from Manufacturer's full range. Grommets: Corrosion resistant at minimum 6" inches (152mm) o.c. through top hem.

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.

C. SOAP DISH

Mounting : Surface mounted

Material and Finish: Stainless steel, No. 4 finish (satin)

D. ROBE HOOK

Single-prong unit

Material and Finish: Polished chrome-plated brass

E. TOWEL BAR

Description: 3/4"-inch- (19mm) square tube with rectangular end brackets Mounting: Flanges with concealed fasteners. Length: 18" inches (457mm)

Material and Finish: Stainless steel, No.7 finish (polished)

F. PERSONAL TOILETRIES SHELF

Description: With exposed edges turned down not less than 1/2" inch (12.7mm) and supported by two triangular brackets welded to shelf underside. Size: 16" inches (406mm) long by 6" inches (152mm) deep.

Materials and Finish: Not less than nominal 0.05 inch-(1.3mm) thick stainless steel, No. 4 finish (satin)

G. HAIR DRYER

Basis of Design Product: World Wind hair dryer by World Dryer Corp.

Description: Unit shall be equipped with 2 speed dry/style switch and shall deliver 50 CFM and 3500 LFM at maximum rated voltage (120 volts). Hose shall be fitted with a rotating nozzle for ease of handling and be thermally insulated for low heat loss and maximum efficiency. Nozzle shall be fitted with air deflection vanes to provide uniform air flow and listed under re-examination services of Underwriter's Laboratories, Inc.

Size: 6 1/2" inches wide x 23" inches high x 4" inches deep

Material and Finish: Cover and back plate shall be made of high impact ABS plastic with flexible hose permanently attached to direct air flow.

2.14 FABRICATION

- A. General: One, maximum 1-1/2"-inch (38-mm-) diameter, unobtrusive stamped manufacturer logo, as approved by SDR, is permitted on exposed face 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.
- B. 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 wherever possible.
- C. Recessed Toilet Accessories: Unless otherwise indicated, fabricate units of all-welded construction, without mitered corners. Hang doors and access panels with full-length, stainless steel hinge. Provide anchorage that if fully concealed when unit is closed.
- D. Framed Mirror Units, General: 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.

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 acceptable filler material.

- E. Mirror Unit Hangers: Provide mirror unit mounting system that permits rigid, tamper- and theft-resistant installation. Provide one of the following:
 - 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.
 - 2. Heavy-duty wall brackets of galvanized steel, equipped with concealed locking devices requiring a special tool to remove.
- F. Keys: Provide universal keys for internal access to accessories for servicing and respelling. Provide minimum of six keys to SDR.

2.15 MOP SINK WALL PROTECTION

- A. General: In Janitor's Closet, provide back wall and side wall (if applicable) protection of (water resistant green board) gypsum wall board.
- B. Size: provide wall protection from the finish floor to a height of 4' foot minimum above finish floor.
- C. Materials:
 - 1. Stainless Steel (see 2.03.A.) for projects that have specified a stainless steel janitor's mop sink.
 - 2. FRP (Fiberglas Reinforced Panel) for projects that have specified an enameled steel or fiberglasfiberglass janitor's mop sink.
 - a. FRP to be Marlite panel or equal.
 - b. Provide FRP trim accessories for top and corner and edges as required.

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. Install SNL-furnished accessories in locations, and at heights indicated on Drawings.
- C. If mounting heights and clearances are not indicated on Drawings, comply with requirements of ADA/ABA Accessibility Guidelines for Buildings and Facilities to accommodate use of accessory items by the disabled.

- D. 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.
- E. Install grab bars to withstand downward load of at least 250 lb-ft (1112 N), tested according to method in ASTM F446.
- F. Install mop sink backsplash protection panels using stainless steel anchors or wall adhesives and sealants. For FRP panels follow manufactures recommended installation procedures and materials.

3.02 COORDINATION

- A. Coordinate accessory locations with other work to avoid 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 to prevent delaying the Work.

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 -