

SECTION 102800 – TOILET, BATH, AND CUSTODIAL ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Single-user public toilet accessories.
2. Apartment bathroom accessories.
3. Underlavatory guards.
4. Custodial (Janitor Closet) accessories.

B. Related Sections:

1. Section 061000 – Rough Carpentry.
2. Section 092900 – Gypsum Board (including tile backing panels)
3. Section 093103 – Ceramic Tiling and Bathroom Accessories.
4. Section 099123 – Interior Painting.
5. Section 102113.13 – Metal Toilet Partitions.
6. Section 224100 – Residential Plumbing Fixtures.
7. Section 224213.13 – Commercial Water Closets.
8. Section 224216.13 – Commercial Lavatories.
9. Section 224216.16 – Commercial Sinks.

C. Reference and Industry Standards

1. The following reference standards shall be applicable to this Section:
 - a. New York City Building Code **current** edition, as amended, inclusive of:
 - Chapter 11 Accessibility.
 - b. ICC A117.1 Usable and Accessible Buildings and Facilities, **current** edition.
2. Industry Standards
 - ASTM (American Society for Testing and Materials)
 - NFPA (National Fire Protection Association)

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Samples: For each exposed product and for each finish specified, full size.

1. Approved full-size Samples will be returned and may be used in the Work.

1.3 INFORMATIONAL SUBMITTALS

- A. Sample warranties.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.5 WARRANTY

- A. Manufacturer's Special Warranty for Mirrors: Manufacturer agrees to repair or replace mirrors that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Ten (10) years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- 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.
- B. Structural Performance: Design accessories and fasteners to comply with the following requirements:
 - 1. Grab Bars: Installed units are able to resist 250 lbf concentrated load applied in any direction and at any point.
 - 2. Shower Seats: Installed units are able to resist 250 lbf applied in any direction and at any point.

2.2 SINGLE-USER PUBLIC TOILET ACCESSORIES

- A. Toilet Tissue (Roll) Dispenser:
 - 1. Description: [**Roll-in-reserve dispenser with hinged front secured with tumbler lockset.**] [**Single jumbo-roll dispenser.**]
 - 2. Mounting: Surface mounted.
 - 3. Operation: Non-control delivery with standard spindle.
 - 4. Capacity: Designed for [**4-1/2- or 5-inch-**] [**5-inch-**] [**9-inch**] diameter tissue rolls.
 - 5. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**Chrome-plated zinc alloy (zamac) or steel**] [**Satin-finish aluminum bracket**] [**ABS Plastic**] <Insert material and finish>.
- B. Paper Towel (Folded) Dispenser:
 - 1. Mounting: [**Recessed**] [**Semi-recessed**] [**Deck mounted, recessed**] [**Surface mounted**].

2. Minimum Capacity: [**400 C-fold or 525 multifold towels**] [**600 C-fold or 800 multifold towels**] [**400 single-fold towels**] <Insert capacity>.
 3. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic**] <Insert material and finish>.
 4. Lockset: Tumbler type.
 5. Refill Indicator: Pierced slots at sides or front.
- C. Paper Towel (Roll) Dispenser:
1. Description: [**Lever-actuated**] [**Pull-towel actuated**] mechanism permitting controlled delivery of paper rolls in preset lengths.
 2. Mounting: [**Recessed**] [**Semi-recessed**] [**Surface mounted**].
 3. Minimum Capacity: 8-inch-wide, 800-foot-long roll <Insert capacity>.
 4. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic, with translucent front cover**] <Insert material and finish>.
 5. Lockset: Tumbler type.
- D. Automatic Paper Towel (Roll) Dispenser:
1. Description: Automatic motion sensing mechanism with user-adjustable delay and paper towel length; electrically operated, with adapter for 110- to 240-V ac power supply.
 2. Mounting: [**Recessed**] [**Semi-recessed**] [**Surface mounted**].
 3. Minimum Capacity: 8-inch-wide, 800-foot-long roll <Insert capacity>.
 4. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic**] <Insert material and finish>.
 5. Lockset: Tumbler type.
- E. Waste Receptacle:
1. Mounting: [**Open top, recessed**] [**Self-closing disposal-opening cover, recessed**] [**Semi-recessed**] [**Surface mounted**] [**Wall mounted for corner installation**] [**Freestanding**] [**Undercounter**] <Insert description>.
 2. Minimum Capacity: <Insert value>.
 3. Material and Finish: Stainless steel, ASTM A480 No. 4 finish (satin) <Insert material and finish>.
 4. Liner: Reusable vinyl liner <Insert liner description>.
 5. Lockset: Tumbler type for waste receptacle.
- F. Combination Towel (Folded) Dispenser/Waste Receptacle:
1. Description: Combination unit for dispensing C-fold or multifold towels, with removable waste receptacle.

2. Mounting: [**Surface mounted**] [**Surface mounted with stainless steel collar**] [**Recessed**] [**Recessed with projecting receptacle**] [**Semi-recessed**] [**Under vanity**] <Insert mounting>.
 - a. Designed for nominal [**4-inch**] [**6-inch**] wall depth.
 3. Minimum Towel-Dispenser Capacity: [**600 C-fold or 800 multifold paper towels**] <Insert capacity>.
 4. Minimum Waste-Receptacle Capacity: [**4 gal.**] [**12 gal.**] <Insert value>.
 5. Material and Finish: Stainless steel, ASTM A480 No. 4 finish (satin) <Insert material and finish>.
 6. Liner: Reusable, vinyl waste-receptacle liner <Insert liner description>.
 7. Lockset: Tumbler type for towel-dispenser compartment [**and waste receptacle**].
- G. Combination Towel (Roll) Dispenser/Waste Receptacle:
1. Description: Combination unit for dispensing preset length of roll paper towels, with removable waste receptacle.
 2. Towel Mechanism: [**Lever**] [**Pull towel**]. Automatic, electric sensor; with adapter for 110- to 240-V ac power supply <Insert description>.
 3. Mounting: [**Recessed**] [**Semi-recessed**] [**Surface mounted**].
 4. Minimum Towel-Dispenser Capacity: 8-inch-wide, 800-foot-long roll <Insert capacity>.
 5. Minimum Waste Receptacle Capacity: [**8 gal.**] [**12 gal.**] [**15 gal.**] <Insert value>.
 6. Material and Finish: Stainless steel, ASTM A480 No. 4 finish (satin) <Insert material and finish>.
 7. Liner: Reusable, vinyl waste-receptacle liner <Insert liner description>.
 8. Lockset: Tumbler type for towel dispenser compartment [**and waste receptacle**].
- H. Soap Dispenser:
1. Description: Designed for manual operation and dispensing soap in [**liquid or lotion**] [**lather**] form.
 2. Mounting: [**Deck mounted on vanity**] [**Deck mounted on lavatory**] [**Horizontally oriented, recessed**] [**Horizontally oriented, surface mounted**] [**Vertically oriented, surface mounted**] <Insert mounting>.
 3. Capacity: <Insert value>.
 4. Materials: <Insert requirements>.
 5. Lockset: Tumbler type.
 6. Refill Indicator: Window type.
- I. Automatic Soap Dispenser:

1. Description: Automatic dispenser with infrared sensor to detect presence of hands; electrically operated, with adapter for 110- to 240-V ac power supply; designed for dispensing soap in [**liquid or lotion**] [**lather**] form.
2. Mounting: [**Deck mounted on vanity**] [**Deck mounted on lavatory**] [**Surface mounted**].
3. Capacity: <Insert value>.
4. Materials: <Insert requirements>.
5. Refill Indicator: LED indicator.

J. Grab Bars:

1. Description: 18-8 S, Type 304, 11-gauge stainless steel plate; end flanges 2 inches x 3-1/8 inches with two (2) or four (4) holes for attachment to wall; concealed mounting flanges.
2. Snap Flange Covers: 18-8 S, Type 304, 22-gauge drawn stainless steel with satin finish. 3-1/4 inch diameter x one-half inch deep. Each cover snaps over mounting flange to conceal mounting.
3. Material: Stainless steel, 0.05 inch thick.

Finish: Smooth, ASTM A480 No. 4 finish (satin) on ends and slip-resistant texture in grip area.
4. Outside Diameter: 1-1/2 inches.
5. Configuration and Length: As indicated on Drawings.
6. Devices for securing grab bars to wall assemblies: As supplied or recommended by grab bar manufacturer.

K. Sanitary-Napkin Disposal Unit:

1. Mounting: [**Recessed**] [**Partition mounted, dual access**] [**Surface mounted**].
2. Door or Cover: Self-closing, disposal-opening cover [**and hinged face panel with tumbler lockset**].
3. Receptacle: Removable.
4. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic**] <Insert material and finish>.

L. Seat-Cover Dispenser:

1. Mounting: [**Surface mounted**] [**Recessed**].
2. Minimum Capacity: [**250**] [**500**] <Insert number> seat covers.
3. Exposed Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic**] <Insert material and finish>.
4. Lockset: Tumbler type.

M. Mirror Unit:

1. Frame: [**Stainless steel angle, 0.05 inch thick**] [**Stainless steel channel**] [**Stainless steel, fixed tilt**] [**Stainless steel, adjustable tilt**].
 - a. Corners: [**Manufacturer's standard**] [**Mitered and mechanically interlocked**] [**Welded and ground smooth**].
2. Size: [**As indicated on Drawings**] <Insert dimensions>.
3. Shelf:
 - a. Type: [**Integral, welded**] [**Concealed mounting**] [**Exposed mounting**].
 - b. Depth: [**5 inches**] <Insert dimension>.
4. Hangers: [**Manufacturer's standard rigid, tamper and theft resistant**] <Insert requirements>.

N. Hook:

1. Description: [**Double-prong unit**] [**Single-prong unit**] [**Combination hat and coat hook**] [**Combination door bumper and coat hook**] <Insert description>.
2. Mounting: [**Concealed**] [**Exposed**].
3. Material and Finish: [**Polished chrome-plated brass**] [**Polished chrome-plated zinc alloy (zamac)**] [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**Stainless steel, ASTM A480 No. 7 finish (polished)**] <Insert material and finish>.

2.3 APARTMENT BATHROOM ACCESSORIES

A. Toilet Tissue Dispenser:

1. Description: Single- [**Double-**] roll dispenser.
2. Mounting: [**Recessed**] [**Surface mounted**].
3. Capacity: Designed for 4-1/2- or 5-inch-diameter tissue rolls.
4. Material and Finish: [**Solid brass, polished**] [**Polished brass-plated zinc alloy (zamac)**] [**Polished chrome-plated brass**] [**Polished chrome-plated zinc alloy (zamac)**] <Insert material and finish>.

B. Shower Curtain Rod:

1. Description: [**1-inch-**] [**1-1/4-inch-**] outside diameter, [**straight**] [**curved**] rod.
2. Configuration: As indicated on Drawings.
3. Mounting Flanges: Designed for [**exposed**] [**concealed**] fastening, in [**manufacturer's standard material and finish**] [**in material and finish matching rod**] <Insert requirements>.
4. Rod Material and Finish: [**Solid brass, polished**] [**Polished chrome-plated brass**] [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**Stainless steel, ASTM A480 No. 7 finish (polished)**] <Insert material and finish>.
5. Features: Integral chrome-plated brass glide hooks.

- C. Grab Bars at shower/tub enclosure and shower stall:
1. Description: 18-8 S, Type 304, 11-gauge, stainless steel plate; end flanges 2 inches x 3-1/8 inches with two (2) or four (4) holes for attachment to wall; concealed mounting flanges <Insert description>.
 2. Snap Flange Covers: 18-8 S, Type 304, 22-gauge drawn stainless steel with satin finish. 3-1/4 inch diameter x one-half inch deep. Each cover snaps over mounting flange to conceal mounting <Insert description>.
 3. Material: 18-8 S, Types 304, 18-gauge stainless steel tubing.
 - a. Finish: Smooth, ASTM A480 No. 4 finish (satin) on ends and slip-resistant texture in grip area.
 4. Outside Diameter: 1-1/2 inches.
 5. Configuration and Length: As indicated on Drawings.
 6. Devices for securing grab bars to wall assemblies: As supplied or recommended by grab bar manufacturer.
- D. Flip-up/Swing-Up Safety Rail/Grab Bar; with and without supporting leg adjacent to toilet:
1. Material: 18 or 19 gauge Type 304 stainless steel.
 2. Tubing: 18-gauge x 1-1/4 inch diameter.
 3. Mounting: As per manufacturer's written instructions.
 4. Unit should be accessorized with toilet paper holder.
- E. Dishes for Bar Soap – *Refer to Section 093013 Ceramic Tiling and Bathroom Accessories.*
- F. Medicine Cabinet:
1. Mounting: [**Recessed, for nominal 4-inch wall depth**] [**Surface mounted**].
 2. Size: 18 by 24 inches <Insert dimensions>.
 3. Door: [**Framed mirror door concealing storage cabinet equipped with continuous hinge and spring-buffered, rod-type stop and magnetic door catch**] <Insert description>.
 4. Shelves: Three, adjustable <Insert requirements>.
 5. Material and Finish:
 - a. Cabinet: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**Steel with corrosion-resistant finish**] <Insert finish>.
 - b. Mirror Frame: <Insert material and finish>.
 - c. Door: <Insert material and finish>.
 - d. Hinge: <Insert material and finish>.
 - e. Shelves: <Insert material and finish>.
- G. Robe Hook:

1. Description: [**Double**] [**Single**]-prong unit.
 2. Material and Finish: [**Solid brass, polished**] [**Polished brass-plated zinc alloy (zamac)**] [**Polished chrome-plated brass**] [**Polished chrome-plated zinc alloy (zamac)**] <Insert material and finish>.
- H. Toothbrush and Tumbler Holder: *Refer to Section 093000 Tiling, Grouting and Bathroom Accessories.*
- I. Towel Bar:
1. Description: [**3/4-inch-square tube with rectangular end brackets**] [**3/4-inch-round tube with circular end brackets**] <Insert description>.
 2. Mounting: Flanges with [**concealed**] [**exposed**] fasteners.
 3. Length: [**18 inches**] [**24 inches**] [**30 inches**] <Insert dimension>.
 4. Material and Finish: Polished aluminum <Insert material and finish>.
- J. Rear-Mounted Folded Tub Seat:
1. Materials:
 - a. Seat: Phenolic or polymeric composite of slat-type or one-piece construction <Insert description>.
 - b. Seat Dimensions: 29 inches wide x 16-1/2 inches deep <Insert dimensions>.
 - c. Seat Top Design: 3-inch slats <Insert design>.
 - d. Frame and Bracket: Type 304 stainless steel, 10-gauge welded to stainless steel tubing 1 inch round x 18 gauge <Insert description>.
 - e. Fasteners: Six (6) #12 x 2-1/2 inch stainless steel Phillips Pan Head screws, supplied by tub bench manufacturer.
- K. End-Mounted Folding Tub Seat:
1. Materials:
 - a. Seat: Phenolic or polymeric composite of slat-type or one-piece construction <Insert description>.
 - b. Seat Dimensions: 32 inches wide x 16 inches deep <Insert dimensions>.
 - c. Seat Top Design: 3-inch slats <Insert design>.
 - d. Frame and Bracket: Type 304 stainless steel, 10-gauge welded to stainless steel tubing 1 inch round x 18 gauge <Insert description>.
 - e. Fasteners: Six (6) #12 x 2-1/2 inch stainless steel Phillips Pan Head screws, supplied by tub bench manufacturer.
- L. Folding Shower Seat:
1. Configuration: L-shaped seat, designed for wheelchair access.
 2. Seat: Phenolic or polymeric composite of slat-type or one-piece construction <Insert description>.

3. Finish: Stainless steel, ASTM A480 No. 4 finish (satin) <Insert finish>.
4. Dimensions: [As indicated on Drawings] <Insert dimensions>.

2.4 UNDERLAVATORY GUARDS

A. Underlavatory Guard:

1. Description: Insulating pipe covering for supply and drain piping assemblies that prevents direct contact with and burns from piping; allow service access without removing coverings.
2. Material and Finish: Antimicrobial, molded plastic, white.

2.5 CUSTODIAL ACCESSORIES

A. Custodial Utility Shelf:

1. Description: With exposed edges turned down not less than 1/2 inch and supported by two triangular brackets welded to shelf underside.
2. Size: 16 inches long by 6 inches deep <Insert dimensions>.
3. Material and Finish: Not less than nominal 0.05-inch-thick stainless steel, ASTM A480 No. 4 finish (satin).

B. Custodial Mop and Broom Holder:

1. Description: Unit with shelf, hooks, holders, and rod suspended beneath shelf <Insert description>.
2. Length: **36 inches** <Insert dimension>.
3. Hooks: Four <Insert number>.
4. Mop/Broom Holders: Three <Insert number>, spring-loaded, rubber hat, cam type.
5. Material and Finish: Stainless steel, ASTM A480 No. 4 finish (satin).
 - a. Shelf: Not less than nominal 0.05-inch-thick stainless steel.
 - b. Rod: Approximately 1/4-inch-diameter stainless steel.

C. Custodial Paper Towel (Folded) Dispenser:

1. Mounting: Surface mounted.
2. Minimum Capacity: [**400 C-fold or 525 multifold towels**] [**600 C-fold or 800 multifold towels**] [**400 single-fold towels**] <Insert capacity>.
3. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic**] <Insert material and finish>.
4. Lockset: Tumbler type.
5. Refill Indicator: Pierced slots at sides or front.

D. Custodial Paper Towel (Roll) Dispenser:

1. Description: [**Lever-actuated**] [**Pull-towel actuated**] mechanism permitting controlled delivery of paper rolls in preset lengths.
2. Mounting: Surface mounted.
3. Minimum Capacity: 8-inch-wide, 800-foot-long roll <**Insert capacity**>.
4. Material and Finish: [**Stainless steel, ASTM A480 No. 4 finish (satin)**] [**ABS plastic**] <**Insert material and finish**>.
5. Lockset: Tumbler type.

E. Custodial Soap Dispenser:

1. Description: Designed for manual operation and dispensing soap in [**liquid or lotion**] [**lather**] form.
2. Mounting: [**Horizontally oriented, surface mounted**] [**Vertically oriented, surface mounted**] <**Insert requirements**>.
3. Capacity: <**Insert value**>.
4. Materials: <**Insert requirements**>.
5. Lockset: Tumbler type.
6. Refill Indicator: Window type.

2.6 FABRICATION

- A. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of [**six**] <**Insert number**> keys to Owner's representative.

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.
1. Remove temporary labels and protective coatings.
- B. Grab Bars: Install to comply with specified structural-performance requirements.
- C. Shower Seats: Install to comply with specified structural-performance requirements.

END OF SECTION 102800