SECTION 102800 – TOILET AND BATH ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Public-use washroom accessories.
2. Underlavatory guards.
3. Custodial accessories.

1.2 ALTERNATES

A. See Section 012500 "Alternates" for description of alternates affecting items specified in this Section.

1.3 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.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of specified product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes.
2. Include anchoring and mounting requirements, including requirements for cutouts in other work and substrate preparation.
3. Include electrical characteristics.

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.

C. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.

1. Identify locations using room designations indicated.
2. Identify accessories using designations indicated.

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D. Delegated Design Submittals: For **grab bars and fixed-height adult changing stations** including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1. Include structural design calculations indicating compliance with specified structural-performance requirements.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance Data: For accessories to include in maintenance manuals.

1.6 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. Failures include, but are not limited to, visible silver spoilage defects.
2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 OWNER-FURNISHED MATERIALS

A. Owner-Furnished Materials: As noted.

1. Sharps disposal containers in Restrooms.
2. Waste Receptacle 6-gal. to 12-gal. trash can in Restrooms.

2.2 PERFORMANCE REQUIREMENTS

A. Structural Performance: Design accessories and fasteners to comply with the following requirements:

1. Grab Bars: Installed units are able to resist **250 lbf** minimum concentrated load applied in any direction and at any point.

2. Fixed-Height Adult Changing Stations: Installed units able to support 400 lb minimum static load, in open position.

2.3 PUBLIC-USE WASHROOM ACCESSORIES

A. Sanitary-Napkin Disposal Unit (SND):

1. Manufacturers: Subject to compliance with requirements, available

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manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Bobrick, B-270 Contura Series

2. Mounting: Surface mounted.
3. Door or Cover: Self-closing, disposal-opening.
4. Receptacle: Removable.
5. Material and Finish: 18-8, Type-304, 22-gauge all welded construction, Stainless steel, ASTM A480/A480M No. 4 finish (satin).

B. Source Limitations: Obtain public-use washroom accessories from single source from single manufacturer.

C. Combination Toilet Tissue Dispenser (TTD):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Georgia-Pacific GP #56796A GP-Pro

2. Mounting: Surface mounted.
3. Toilet Tissue Dispenser Capacity: Two (2) 4-1/2- or 5-inch- diameter coreless high-capacity tissue rolls.
4. Toilet Tissue Dispenser Operation: Non-controled delivery with theft-resistant spindles, front or forward dispensing for use in accessible restroom when mounted in conjunction with ADA grab bars..
5. Material and Finish: ABS Plastic with faux stainless steel trim.
6. Lockset: Tumbler type or standard lock to match PSU Standards.

D. Paper Towel (Folded) Dispenser (PTD):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Bobrick, B-262 Classic Series

2. Basis-of-Design Product: Subject to compliance with requirements, provide the following or approved equal:

a. Bobrick, B-262 Classic Series

3. Mounting: Surface mounted.
4. Minimum Capacity: 400 C-fold or 525 multifold towels.
5. Material and Finish: Stainless steel, ASTM A480/A480M No. 4 finish (satin).
6. Lockset: Tumbler type.
7. Refill Indicator: Pierced slots at sides or front.

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E. Soap Dispenser (SD):

1. Manufacturers: Subject to compliance with requirements, provide the following or approved equal:

   a. Georgia-Pacific GP # 53037. Pacific Blue Ultra Manual soap dispenser.

2. Description: Designed for manual operation and dispensing foam soap in liquid or lotion form.
3. Mounting: Vertically oriented, surface mounted.
4. Capacity: High Capacity, with up to 3000 activations per refill.
5. Materials: Black ABS.
6. Lockset: Standard fixture key / tool.
7. Refill Indicator: Window type.

F. Grab Bars (GB):

1. Manufacturers: Subject to compliance with requirements, provide the following or approved equal:

   a. Bobrick, B-5806 Series

2. Mounting: Flanges with concealed fasteners.
3. Material: Type-304 Stainless steel, 18-gauge thick.

   a. Finish: Smooth, ASTM A480/A480M No. 4 finish (satin).

4. OD: 1-1/4 inches.
5. Configuration, locations, mounting heights, and Length: As indicated on Drawings.

G. Seat-Cover Dispenser (SCD):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

   a. Bobrick, B-4221

2. Mounting: Surface mounted.
3. Minimum Capacity: 250 seat covers.
4. Exposed Material and Finish: 18-8 Type-304, 20-gauge Stainless steel, ASTM A480/A480M No. 4 finish (satin).

H. Mirror Unit (Mirror):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

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a. Bobrick, B290 Series, Welded Frame Mirror

2. Frame: Stainless steel channel.

a. Corners: Welded and ground smooth.

3. Size: As indicated on Drawings.

4. Hangers: Manufacturer's standard rigid, tamper and theft resistant.

I. Hook (SS Coat Hook):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Bobrick, B-9542 SS Coat Hook

2. Description: Single-prong unit.
3. Mounting: Concealed.
4. Material and Finish: Type-303 Stainless steel, ASTM A480/A480M No. 4 finish (satin).
5. Size: 3/4" dia. post with 3" extension from wall, with concealed mounting flange.

J. Fixed-Height Adult Changing Station (Adult Changing Station):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

a. Foundations (The Sova Company) Model: 70HS 0006

2. Product: Sava Solace Extended Length changing station supports older children and individuals with disabilities. Overall length of 62", static load capacity of 400 lbs.
3. Description: Horizontal unit that opens by folding down from stored position and with adjustable strap.

4. Mounting: Surface mounted, with unit projecting not more than 4 inches from wall when closed.
5. Operation: By pneumatic shock-absorbing mechanism.
6. Material and Finish: Stainless steel, ASTM A480/A480M No. 4 finish (satin), with replaceable insulated polystyrene tray liner and rounded plastic corners.

a. 304 Stainless Steel with ABS changing tray. Changing tray should be bacteria resistant and replaceable.

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2.4 UNDERLAVATORY GUARDS

A. Underlavatory Guard ((Pipe Supply & Drain Covers)):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

   a. Truebro "Lav Guard 2" Piping protection kits.

2. 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.
3. Material and Finish: Antimicrobial, molded plastic, white.

2.5 CUSTODIAL ACCESSORIES

A. Source Limitations: Obtain custodial accessories from single source from single manufacturer.

B. Custodial Utility Shelf (SS Utility Shelf):

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

   a. Bobrick, B-239 x 34 Janitor Shelf with Hooks & Mop holders.

2. Description: With exposed edges turned down not less than **1/2 inch** and supported by two triangular brackets welded to shelf underside. Four (4) SS Hooks, three (3) mop handle holders, set below 8" x 34" shelf.
3. Size: 34" Long x 13" H x 8" D.
4. Material and Finish: Not less than nominal **0.05-inch-** thick, (18-8, Type-304, 18-gauge) stainless steel, ASTM A480/A480M No. 4 finish (satin).

2.6 MATERIALS

A. Stainless Steel: ASTM A240/A240M or ASTM A666, Type 304, **0.031-inch-** minimum nominal thickness unless otherwise indicated.

B. Steel Sheet: ASTM A1008/A1008M, Designation CS (cold rolled, commercial steel), **0.036-inch-** minimum nominal thickness.

C. Fasteners: Screws, bolts, and other devices of same material as accessory unit, unless otherwise recommended by manufacturer in writing or specified in this Section, and tamper and theft resistant where exposed, and of stainless or galvanized steel where concealed.

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D. Chrome Plating: ASTM B456, Service Condition Number SC 2 (moderate service).

E. Mirrors: ASTM C1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick.

2.7 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 six (6) keys to Owner's representative.

PART 3 - EXECUTION

3.1 INSTALLATION OF TOILET, BATH, AND LAUNDRY ACCESSORIES

A. Install accessories in accordance with manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer in writing. 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. Coordinate location with in-wall blocking.

3.2 ADJUSTING

A. Adjust accessories for unencumbered, smooth operation. Replace damaged or defective items.

3.3 CLEANING

A. Clean and polish exposed surfaces in accordance with manufacturer's written instructions.

END OF SECTION 102800

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