

SECTION 10810

TOILET ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Toilet Room, Lavatory, and Shower Accessories.
- B. Hospital and Medical Service Accessories.
- C. Utility Room Accessories.
- D. Security/Detention Accessories.

1.2 RELATED SECTIONS

- A. Section 04810 - Unit Masonry Assemblies.
- B. Section 09260 - Gypsum Board Assemblies.
- C. Section 09300 - Tile.
- D. Section 10160 - Metal Toilet Compartments.
- E. Section 10165 - Plastic Laminate Toilet Compartments.
- F. Section 10170 - Plastic Toilet Compartments.
- G. Section 10250 - Service Wall Units.
- H. Section 10260 - Wall and Corner Guards.
- I. Section 10750 - Telephone Specialties.

1.3 REFERENCES

- A. Americans with Disabilities Act Accessibility Guidelines.
- B. ASTM A 240/A 240M - Standard Specification for Heat-Resisting Chromium and Chromium-Nickel Steel Plate, Sheet, and Strip for Pressure Vessels.
- C. ASTM A 554 - Standard Specification for Welded Stainless Steel Mechanical Tubing.
- D. ASTM C 1036 - Standard Specification for Flat Glass.
- E. ASTM F 446 - Standard Consumer Safety Specification for Grab bars and Accessories Installed in the Bathing Area.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's product data for products specified, indicating selected options and accessories.
- C. Shop Drawings:
 - 1. Plans: Locate each specified unit in project.
 - 2. Elevations: Indicate mounting height of each product.
 - 3. Details: Indicate anchoring and fastening details, required locations and types of anchors and reinforcement, and materials required for installation of specified products.
- D. Verification Samples: Two sample chips of each specified color and finish.
- E. Quality Assurance Submittals:
 - 1. Manufacturer's printed installation instructions for each specified product.
 - 2. Documentation of Manufacturer's Qualifications, specified in 1.5 of this Section.
- F. Closeout Submittals: Warranty, issued and executed by manufacturer, and countersigned by Contractor.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum five (5) years documented experience producing products specified.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Ship products in manufacturer's standard protective packaging with vinyl coating on exposed surfaces.
- B. Storage and Protection: Store products in manufacturer's protective packaging until installation.

1.7 SEQUENCING

- A. Supply locations, dimensions, and other pertinent details for use by list in 1.2, RELATED SECTIONS.

1.8 WARRANTY

- A. Manufacturer's standard warranty against defects in product workmanship and materials.
- B. Manufacturer's 15-year warranty against silver spoilage of mirrors.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturers: ASI-American Specialties, Inc.; 441 Saw Mill River Road, Yonkers NY 10701-4913; ASD. Tel: (914) 476-9000, Fax: (914) 476-0688.
- B. Supply all products from a single manufacturer.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- D. Substitutions: Not permitted.

2.2 MATERIALS

- A. Stainless Steel Sheet: ASTM A 240/A 240M, Type 304.

2.3 SIMPLICITY COLLECTION CABINET-TYPE ACCESSORIES

- A. Basic Construction Requirements:
 - 1. Doors: 18 gauge stainless steel, formed 1/2 inch return to wall.
 - 2. Cabinets: 20 gauge stainless steel, formed 1 inch wide flat perimeter trim four sides; all joints welded, sight-exposed welds finished to match sheet finish.
 - 3. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
 - 4. Locks: Tumbler locks, keyed alike other toilet accessory locks, with two keys for each lock.
 - 5. Cabinet and Door Finish: No.4 satin finish.
- B. Paper Towel Dispenser TA-____: Model _____.
- C. Paper Towel Dispenser and Waste Receptacle TA-____: Model _____.
- D. Waste Receptacle TA-____: Model _____.
- E. Sanitary Napkin Disposal TA-____: Model _____.

- F. Dual Napkin/Tampon Vendor TA-____: Model _____.
- G. Liquid Soap Dispenser TA-____: Model _____.
- H. Toilet Seat Cover Dispenser TA-____: Model _____.
- I. Ash Tray TA-____: Model _____.

2.4 DESIGN COLLECTION CABINET-TYPE ACCESSORIES

- A. Basic Construction Requirements:
 - 1. Doors: Solid phenolic, 1/2 inch thick.
 - 2. Cabinets: 18 gauge stainless steel, formed 1 inch wide flat perimeter trim four sides; all joints welded, sight-exposed welds finished to match sheet finish.
 - 3. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded cabinet body, fastened to doors with stainless steel screws, 1/4 inch length.
 - 4. Locks: Tumbler locks, keyed alike other toilet accessory locks, with two keys for each lock.
 - 5. Cabinet Finish: No.4 satin finish.
 - 6. Door Color(s): As selected by Architect from manufacturer's standard colors.
- B. Paper Towel Dispenser TA-____: Model _____.
- C. Paper Towel Dispenser and Waste Receptacle TA-____: Model _____.
- D. Waste Receptacle TA-____: Model _____.
- E. Sanitary Napkin Disposal TA-____: Model _____.
- F. Dual Napkin/Tampon Vendor TA-____: Model _____.
- G. Liquid Soap Dispenser TA-____: Model _____.
- H. Toilet Seat Cover Dispenser TA-____: Model _____.
- I. Ash Tray TA-____: Model _____.

2.5 PROFILE COLLECTION CABINET-TYPE ACCESSORIES

- A. Basic Construction Requirements:
 - 1. Doors: 16 gauge stainless steel, formed 15/16 inch return to wall, with vertical edges eased at 3/4 inch radius; welded corners.

2. Cabinets: 20 gauge stainless steel, formed 1 inch wide flat perimeter trim four sides; all joints welded, sight-exposed welds finished to match sheet finish.
 3. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
 4. Locks: Flat rimless tumbler locks, keyed alike other toilet accessory locks, with two keys for each lock.
 5. Cabinet and Door Finish: No.4 satin finish.
- B. Paper Towel Dispenser TA-____: Model _____.
- C. Paper Towel Dispenser and Waste Receptacle TA-____: Model _____.
- D. Waste Receptacle TA-____: Model _____.
- E. Sanitary Napkin Disposal TA-____: Model _____.
- F. Dual Napkin/Tampon Vendor TA-____: Model _____.
- G. Liquid Soap Dispenser TA-____: Model _____.
- H. Toilet Seat Cover Dispenser TA-____: Model _____.

2.6 TRADITIONAL COLLECTION CABINET-TYPE ACCESSORIES

- A. Basic Construction Requirements:
1. Doors: 22 gauge stainless steel, double pan construction, with 1/4 inch thick structural fiberboard core.
 2. Cabinets: 22 gauge stainless steel, formed perimeter trim with 1/4 inch return to wall four sides; all joints welded, sight-exposed welds finished to match sheet finish.
 3. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
 4. Locks: Tumbler locks, keyed alike other toilet accessory locks, with two keys for each lock.
 5. Cabinet and Door Finish: No.4 satin finish.
- B. Paper Towel Dispenser TA-____: Model _____.
- C. Paper Towel Dispenser and Waste Receptacle TA-____: Model _____.
- D. Waste Receptacle TA-____: Model _____.

- E. Sanitary Napkin Disposal TA-____: Model ____.
- F. Multi-Purpose Unit TA-____: Model ____.
- G. Dual Napkin/Tampon Vendor TA-____: Model ____.
- H. Liquid Soap Dispenser TA-____: Model ____.
- I. Toilet Seat Cover Dispenser TA-____: Model ____.
- J. Ash Tray TA-____: Model ____.

2.7 TOILET ACCESSORIES

- A. Basic Construction Requirements:
 1. Doors: 22 gauge stainless steel, formed hems at sight-exposed edges.
 2. Cabinets: 22 gauge stainless steel, formed hems at sight-exposed edges; all joints welded.
 3. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
 4. Locks: Tumbler locks, keyed alike other toilet accessory locks, with two keys for each lock.
 5. Stainless Steel Finish: No.4 satin.
- B. Sanitary Napkin Disposal TA-____: Model ____.
- C. Dual Napkin/Tampon Vendor TA-____: Model ____.
- D. Toilet Seat Cover Dispenser TA-____: Model ____.
- E. Toilet Paper Holder TA-____: Model ____.
- F. Combination Toilet Paper Holder/Seat Cover Dispenser TA-____: Model ____.
- G. Soap Dispenser TA-____: Model ____.
- H. Utility Shelf TA-____: Model ____.
- I. Baby Changing Station TA-____: Model ____.
- J. Robe Hook TA-____: Model ____.
- K. Heavy Duty Towel Hook TA-____: Model ____.
- L. Soap Dish TA-____: Model ____.

- M. Shower Curtain Rod TA-____: Model _____.
- N. Shower Curtain TA-____: Model _____, with Model _____ hooks.
- O. Shower Seat TA-____: Model _____.
- P. Medicine Cabinet TA-____: Model _____.
- Q. Mop Holder TA-____: Model _____.
- R. Cup Dispenser TA-____: Model _____.

2.8 MIRRORS

- A. Mirror TA-____: Model _____.
 1. Frame: Angle.
 2. Frame: Channel.
 3. Mirror: Plate glass.
 4. Mirror: Tempered glass.
 5. Mirror: Metal.
 6. Mirror: Polycarbonate (Lexan®).
 7. Mirror: Acrylic (Plexiglas®).
 8. Mirror: Laminated glass.
 9. Shelf.
 10. Size: As indicated on drawings.
 11. Finish: No.4 satin stainless steel.
- B. Angle Mirror Frames: 18 gauge stainless steel, formed to 3/4 inch by 5/8 inch angle; heliarc-welded corners, No. 4 satin finish; concealed "H" type mounting bracket with tamper-resistant fasteners.
- C. Channel Mirror Frames: 20 gauge stainless steel, formed to 1/2 inch by 1/2 inch by 1/2 inch channel; No. 4 satin finish; concealed mounting brackets with tamper-resistant fasteners.
- D. Plate Glass Mirror: 1/4 inch thick polished plate glass, ASTM C 1036, Type I, Class 1, quality No. 1 mirror select; silver-coated, hermetically sealed with uniform electrolytically-deposited copper plating.
- E. Tempered Glass Mirror: 1/4 inch thick polished tempered glass, two coats silver, hermetically sealed with uniform electrolytically-deposited copper plating, backpainted with waterproof coating.
- F. Metal Mirror: Stainless steel, Type 304, No. 8 finish.

- G. Polycarbonate Mirror: 1/4 inch thick polycarbonate sheet ("Lexan"), silver-coated, sealed against silver spoilage.
- H. Acrylic Mirror: 1/4 inch thick acrylic sheet ("Plexiglas"), silver-coated, sealed against silver spoilage.
- I. Laminated Glass Mirror: Two sheets heat-treated 3/32 inch thick float glass laminated with 1/16 inch thick clear polyvinyl interlayer, two coats silver, hermetically sealed with uniform electrolytically-deposited copper plating, backpainted with waterproof coating.
- J. Shelves: 18 gauge stainless steel, No. 4 satin finish, formed to 5 inches deep with return and hemmed edges; spot-welded to mirror frame and with gussets at corners.

2.9 GRAB BARS

- A. Grab Bars: Comply with ASTM F 446 from ASTM A 554 stainless steel tubing, 18 gauge, Type 304; formed 1-1/2 inch radius return to wall at each end; heliarc-welded to minimum 11 gauge stainless steel flange.
- B. Grab Bars: Series _____.
 - 1. Peened finish.
 - 2. Sizes and configurations: As indicated on drawings.
 - 3. Sizes and configurations: As indicated in Schedule at end of section.
 - 4. Grab Bar TA-____: Series _____, Type _____.
- C. Concealed Mounting Flanges: Stainless steel, 3 inch diameter by 1/2 inch deep, with 13 gauge steel tenon plate for concealed attachment, using three set screws.
- D. Snap-on Mounting Flanges: Stainless steel cover, 22 gauge, 3 inch diameter by 1/2 inch deep, snaps over 1/8 inch thick stainless steel mounting flange.
- E. Exposed Mounting Flange: Stainless steel, 1/8 inch thick, 3 inch diameter, with 3 countersunk screw holes.

2.10 ELECTRICAL ACCESSORIES

- A. Electric Hand Dryer TA-____: Model _____.
 - 1. Cast iron housing, single-piece construction, 1/4 inch thick, with acid-resistant porcelain enamel finish.

2. Die-cast chrome-plated air nozzle with 360-degree rotation.
 3. Brushless electric motor rated 1/8 horsepower, 3200 revolutions per minute.
- B. Electric Hand Dryer TA-____: Model ____.
1. Cast alloy housing, single-piece construction, with baked polyester coating.
 2. Die-cast chrome-plated air nozzle with 360-degree rotation.
 3. Brushless electric motor rated 1/8 horsepower, 3200 revolutions per minute.

2.11 HOSPITAL AND MEDICAL SERVICE ACCESSORIES

- A. Modular Lavatory Station TA-____: Model ____.
1. Doors: 22 gauge stainless steel, with hemmed edges on towel openings.
 2. Cabinet: 22 gauge stainless steel, 1 inch flange with 1/4 inch return to wall, four sides; all joints welded, sight-exposed welds finished to match sheet finish.
 3. Apron: 18 gauge stainless steel, fitted with faucet, handles, and fittings.
 4. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
- B. Corner Guards TA-____: Model ____; 18 gauge stainless steel, radiused corner.
- C. Recessed Surgical Glove Dispenser TA-____: Model ____; 22 gauge stainless steel sheet.
- D. Recessed Bedpan and Urinal Cabinet TA-____: Model ____.
1. Door: 22 gauge stainless steel, with 1/4 inch returns; No. 4 satin finish.
 2. Airspace: 1/2 inch, continuous, above and below door.
 3. Cabinet: 22 gauge stainless steel, 1 inch flange with 1/4 inch return to wall, four sides; all joints welded, sight-exposed welds finished to match sheet finish.
 4. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
- E. Pass Through Specimen Cabinet TA-____: Model ____.

1. Self-closing Doors: 22 gauge stainless steel, No. 4 satin finish; interlock on doors prevents both doors from being opened at the same time.
 2. Cabinet: 22 gauge stainless steel, 1 inch flange with 1/4 inch return to wall, four sides; all joints welded, sight-exposed welds finished to match sheet finish; adjustable for wall thickness 1-3/4 to 5-1/2 inches.
 3. Hinges: Stainless steel piano hinge, 3/16 inch diameter barrel, full length of cabinet; hinge leaves spot-welded to door and cabinet body.
 4. Removable Tray: 22 gauge stainless steel.
- F. Turntable Specimen Pass Cabinet TA-____: Model _____.
1. Turntable Cylinder Assembly: 18 gauge stainless steel, 12 inches diameter, with 10-1/2 by 6 inch opening; removable cylinder housing with lock; No. 4 satin finish.
 2. Cabinet Trim: 22 gauge stainless steel, 1 inch flange with 1/4 inch returns, four sides; all joints welded, sight-exposed welds finished to match sheet finish; adjustable for wall thickness 3 to 7 inches.
 3. Main Body: Self-lubricating ball bearing plate mounted on top and bottom permitting unit to revolve freely; positioned bullet catch prevents uncontrolled rotation.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verification of Conditions:
1. Prepared openings are sized and located in accordance with shop drawings.
 2. Reinforcement and anchoring devices are correct type and are located in accordance with shop drawings.
- B. Installer's Examination:
1. Installer shall examine conditions under which construction activities are to be performed, then submit written notification if such conditions are unacceptable.
 2. Transmit two copies of installer's report to Architect within 24 hr of receipt.
 3. Installation activities before unacceptable conditions have been corrected is prohibited.

4. Installation indicates installer's acceptance of conditions.

3.2 INSTALLATION

- A. Install toilet accessories plumb and level in accordance with shop drawings and manufacturer's printed installation instructions.
- B. Locate toilet accessories at heights specified by Americans with Disabilities Act.

3.3 CLEANING

- A. Remove manufacturer's protective vinyl coating from sight-exposed surfaces 24 hours before final inspection.
- B. Clean surfaces in accordance with manufacturer's recommendations.

3.4 PROTECTION OF INSTALLED PRODUCTS

- A. Protect products from damage caused by subsequent construction activities.
- B. Field repair of damaged product finishes is prohibited; replace products having damaged finishes caused by subsequent construction activities.

3.5 SCHEDULE

- A. Men's Public Washrooms:
 1. Mirror TA-____, at each lavatory except handicapped.
 2. Mirror TA-____, at handicapped lavatory.
 3. Soap Dispenser TA-____, at each lavatory.
 4. Paper Towel Dispenser/Waste Receptacle TA-____.
 5. Toilet Tissue Dispenser/Seat Cover Dispenser TA-____, at each pair of compartments with common partition (back-to-back mounting).
 6. Toilet Tissue Dispenser TA-____, at each other compartment.
 7. Seat Cover Dispenser TA-____, at each other compartment.
 8. Grab Bars TA-____, as indicated on drawings.
- B. Women's Public Washrooms:
 1. Mirror TA-____, at each lavatory except handicapped.
 2. Mirror TA-____, at handicapped lavatory.

3. Soap Dispenser TA-____, at each lavatory.
4. Paper Towel Dispenser/Waste Receptacle TA-_____.
5. Toilet Tissue Dispenser/Napkin Disposal TA-____, at each pair of compartments with common partition (back-to-back mounting).
6. Seat Cover Dispenser TA-____, at compartments with back-to-back units above.
7. Toilet Tissue Dispenser/Seat Cover Dispenser/Napkin Disposal TA-____, at each other compartment.
8. Grab Bars TA-____; as indicated on drawings.
9. Napkin/Tampon Vendor TA-_____.
10. Baby Changing Station TA-_____.

C. Janitor's Closet:

1. Utility Shelf/Mop Holder TA-____; length _____.

D. School Locker Room (Boys):

1. Mirror TA-____, at each lavatory except handicapped.
2. Mirror TA-____, at handicapped lavatory.
3. Soap Dispenser TA-_____.
4. Electric Hand Dryer TA-_____.
5. Toilet Tissue Dispenser TA-____, at each pair of compartments with common partition (back-to-back mounting).
6. Toilet Tissue Dispenser TA-____, at each other compartment.
7. Grab Bars TA-____; as indicated on drawings.
8. Shower Curtain Rod/Hooks/Shower Curtain TA-_____.
9. Heavy Duty Towel Hook TA-_____.

E. Hospital Patient Bathroom:

1. Mirror TA-_____.
2. Soap Dispenser TA-_____.
3. Paper Towel Dispenser TA-_____.
4. Waste Receptacle TA-_____.
5. Toilet Tissue Dispenser TA-_____.
6. Cup Dispenser TA-_____.
7. Grab Bars TA-____; as indicated on drawings.
8. Shower Curtain Rod/Hooks/Shower Curtain TA-_____.
9. Shower Seat TA-_____.
10. Robe Hook TA-_____.
11. Bed Pan/Urinal Cabinet TA-_____.

F. Hospital Exam Room:

1. Modular Lavatory Station TA-_____.
2. Waste Receptacle TA-_____.
3. Specimen Pass-Thru Box TA-_____.

4. Double Robe Hook TA-_____.
- G. Inmate Prison Cell: If accessories rear-mounted, verify wall depths.
1. Metal Mirror TA-_____.
 2. Soap Dish TA-_____.
 3. Toilet Tissue Holder TA-_____.
 4. Shelf TA-_____.
 5. Detention Clothes Hook TA-_____.

END OF SECTION