

SECTION 10 2800

TOILET ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Provide toilet accessories with attachment hardware and rough-in frames as required for complete, operational installation.
- B. Section Includes:
 - 1. Toilet Room, Lavatory, and Shower Accessories.
 - 2. Mirrors
 - 3. Hospital and Medical Service Accessories.
 - 4. Security/Detention Accessories.
 - 5. Automatic Hand Dryers.
- C. Related Requirements
 - 1. See drawings for wall/partition types and additional mounting requirements.
 - 2. Coordinate electrical supply and connections.

1.2 REFERENCES

[Revise to comply with state and local codes for specific project]

- A. ADAAG: Americans with Disabilities Act Accessibility Guidelines.
- B. ANSI A117: Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
- C. IBC – Chapter 11, *Accessibility*.
- D. Fair Housing Amendments Act of 1988, *Accessibility Guidelines*, Federal Register Volume 56, Number 44.
- E. State Requirements (i.e., California Building Code Chapter 11)

1.2 COORDINATION

- A. Coordinate locations, dimensions, and other pertinent details with installation of backing, blocking, and electrical connections.

1.3 LEED® REQUIREMENTS

- A. MR Credit 4.1 - Recycled Content (post-consumer).
- B. MR Credit 4.2 - Recycled Content (post-industrial).

1.4 SUBMITTALS

- A. Submit under provisions of Section 01 3000.
- 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: One sample chips of each specified color and finish.
- E. Manufacturer's printed installation instructions for each specified product.
- F. Closeout Submittals: Warranty, issued and executed by manufacturer, and countersigned by Contractor.
1. One set of special adjusting or installation tools unique to the products furnished under this section.
 2. Keys to accessories furnished under this section.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Ship products in manufacturer's standard protective packaging with removable protective coating on exposed surfaces.
- B. Storage and Protection: Store products in manufacturer's protective packaging in a dry, climate controlled environment until installation.

1.6 WARRANTY

- A. Provide manufacturer's standard warranty against defects in materials and fabrication.
- B. Provide manufacturer's 15-year warranty against silver spoilage of mirrors.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. ASI-American Specialties, Inc.; 441 Saw Mill River Road, Yonkers NY 10701-4913; Tel: (914) 476-9000, Fax: (914) 476-0688. www.americanspecialties.com
- B. Furnish products from a single manufacturer.
- C. Standard of Quality: Drawings and specifications are based on proprietary literature from ASI. Other manufacturers shall comply with the minimum levels of material and detailing indicated on the Drawings and as specified.

2.2 ROVAL COLLECTION

- A. Basic Construction Requirements:
1. Doors: Curved design, one piece stainless steel.
 2. Cabinets: Stainless steel, trimless; joints welded, sight-exposed welds finished to match sheet finish. Full access back panels.
 3. Hinges: Concealed, multi-staked stainless steel piano hinge, full length of cabinet.
 4. Locks: 2 flush, rimless tumbler locks, keyed alike other toilet accessory locks, with one key for each lock.
 5. Exposed Finish: No.4 satin finish, unless noted otherwise.

2.3 TRADITIONAL COLLECTION

- A. Basic Construction Requirements:
1. Doors: Type 304, 22-gage stainless steel, double pan construction, with 1/4-inch thick structural fiberboard core.
 2. Cabinets: Type 304, 22-gage stainless steel, formed perimeter trim with 1/4-inch return to wall four sides; 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 one key for each lock.
 5. Cabinet and Door Finish: No.4 satin finish.

2.4 SIMPLICITY COLLECTION

- A. Basic Construction Requirements:
1. Doors: Type 304, 18-gage stainless steel, formed 1/2-inch return to wall.
 2. Cabinets: Type 304, 20-gage stainless steel, formed 1-inch wide flat perimeter trim four sides; 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 one key for each lock.
 5. Cabinet and Door Finish: No.4 satin finish.

2.5 PROFILE COLLECTION

- A. Basic Construction Requirements:
1. Doors: Type 304, 16-gage stainless steel, formed 15/16-inch return to wall, with vertical edges eased at 3/4-inch radius; welded corners.
 2. Cabinets: Type 304, 20-gage stainless steel, formed 1-inch wide flat perimeter trim four sides; 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 one key for each lock.
 5. Cabinet and Door Finish: No.4 satin finish.

2.3 MIRRORS

SPECIFIER NOTE: Select mirror assembly and edit materials accordingly.

- A. Mirror: Model _____.
1. Frame: [Angle – 0600] [Channel - 0620]. Model _____.
 2. Mirror: [Plate glass - A] [Tempered glass - B] [Stainless Steel - C] [Polycarbonate - D] [Acrylic - E] [Laminated glass - L]. Model _____.
 3. Shelf: [Angle – 0605] [Channel - 0625].
 4. Size: As indicated on drawings.
 5. Finish: No.4 satin stainless steel.

- B. Roval Stainless Steel Mirror: Model 20650.
 - 1. Frame: 18-gage stainless steel.
 - 2. Mirror: 1/4-inch float glass [tempered glass 20650-B].
 - 3. Size: As indicated on drawings.
 - 4. Finish: No.4 satin stainless steel.
 - 5. Shelf: Model 20655, curved edge shelf.

2.4 GRAB BARS

- A. Grab Bars: Comply with ASTM F446 from ASTM A554 stainless steel tubing, 18-gage, Type 304; formed [1-1/4 inch] [1-1/2 inch] radius return to wall at each end; heliarc-welded to minimum 11-gage stainless steel flange.

SPECIFIER NOTE: For grab bars, the Series defines whether it has concealed or exposed mounting and the diameter of the tube.

- B. Grab Bars: Series _____.
 - 1. Peened finish. [P]
 - 2. Sizes and configurations: As indicated on drawings.
 - 3. Sizes and configurations: As indicated in Schedule at end of section.
- C. Concealed Mounting Flanges-Set Screws: [3100 Series – 1 ¼"] [3200 Series – 1 ½"] Stainless steel, 3-inch diameter by 1/2-inch deep, with 13-gage steel tenon plate for concealed attachment, using three set screws.
- D. Concealed Mounting Flanges-Snap-on: [3700 Series – 1 ¼"] [3800 Series – 1 ½"] Stainless steel cover, 22-gage, 3-inch diameter by 1/2-inch deep, snaps over 1/8-inch thick stainless steel mounting flange.
- E. Exposed Mounting Flange: [3400 Series – 1 ¼"] [3500 Series – 1 ½"] Stainless steel, 1/8-inch thick, and 3-inch diameter, with 3-countersunk screw holes.
 - 1. Finish: [Grey] or [White].

2.5 HANDS FREE ACCESSORIES

SPECIFIER NOTE: Indicate whether hands free units are battery or AC powered.

- A. Soap Dispensers.
 - 1. Model 0360: Stainless steel, #4 satin finish, proximity sensor, battery operated.
 - 2. Model 0362: Stainless steel, #4 satin finish, proximity sensor, battery operated. For higher viscosity soaps
 - 3. Roval Model 20333: Deck-mounted, stainless steel, polished finish, proximity sensor, battery operated.
 - 4. Roval Model 20363: Surface mounted, stainless steel, satin finish.
 - 5. Roval Model 20364: Stainless steel, satin finish, proximity sensor, battery operated.
 - 6. Roval Model 20365: Automatic Foam Soap Dispenser, stainless steel, satin finish.
- B. Towel Dispensers.
 - 1. Model 046921A: Automatic roll towel dispenser and 14-gallon waste receptacle. Proximity sensing no-touch. Recessed unit.

2. Model 046924A: Automatic roll towel dispenser and 14-gallon waste receptacle. Proximity sensing no-touch. Surface mount unit.
3. Model 94696A: Automatic roll towel dispenser and 10-gallon waste receptacle. Proximity sensing no-touch. Recessed unit.
4. Model 04692A: Automatic roll towel dispenser and 18-gallon waste receptacle. Proximity sensing no-touch unit. Recessed unit.
5. Model 045224A: Automatic roll towel. Proximity sensing no-touch unit. Recessed unit.
6. Model 04523A: Automatic roll towel dispenser. Proximity sensing no-touch unit. Recessed unit.
7. Model 8522A: Automatic roll towel dispenser. Proximity sensing no-touch unit. Surface mounted unit.
8. Model 64696A: Automatic roll towel dispenser and 8.6-gallon waste receptacle. Proximity sensing no-touch. Recessed unit.
9. Roval Model 204523A: Automatic roll towel dispenser. Proximity sensing no touch. Surface mount, semi-recessed, and recessed types. Battery operated.
10. Roval Model 204523A: Automatic roll towel dispenser. Proximity sensing no touch. Surface mount, semi-recessed, and recessed types. 110-240VAC operation.
11. Roval Model 204692A: Automatic roll towel dispenser and 17.75 gallon waster receptacle. Proximity sensing no touch. Surface mount, semi-recessed, and recessed types. Battery operated.
12. Roval Model 204692AC: Automatic roll towel dispenser and 17.75 gallon waster receptacle. Proximity sensing no touch. Surface mount, semi-recessed, and recessed types. 110-240VAC operation.
13. Roval Model 2046921A: Automatic roll towel dispenser and 13.5 gallon waster receptacle. Proximity sensing no touch. Surface mount, semi-recessed, and recessed types. Battery operated.
14. Roval Model 2046921AC: Automatic roll towel dispenser and 13.5 gallon waster receptacle. Proximity sensing no touch. Surface mount, semi-recessed, and recessed types. 110-240VAC operation.

2.6 AUTOMATIC HAND DRYERS

- A. Turbo-Dri. Model 0197-1, 120VAC. [0197-2, 240VAC]
 1. Cover fabricated of heavy-duty, one piece formed stainless steel 1/16" thick, exposed surfaces satin or bright or heavy-duty, one piece formed steel 1/16" thick finished on exposed surfaces with white porcelain enamel.
 2. Motor: 3/8 - 1 HP, brush type, dual ball bearing, 7000-18000 RPM.
 3. Infrared sensor.
 4. GreenSpec® listed.
 5. Finish: [Steel housing with Porcelain enamel] or [Stainless steel, {Bright} {Satin} finish].
 6. Turbo-Dri optional semi-recessed mounting kit, Model 0119 – ADAAG Compliant.
 - a. Less than 4-inch protrusion from mounting surface.
- B. Roval Steel Cover, Model 0185 [Universal Voltage]
 1. Cover fabricated of heavy-duty, one piece formed stainless steel 1/16" thick, exposed surfaces satin or bright or heavy-duty, one piece formed steel 1/16" thick finished on exposed surfaces with white porcelain enamel.
 2. Motor 1/4 HP, brush type, dual ball bearing, 7500 RPM.
 3. Infrared sensor.
 4. Finish: [Steel housing with Porcelain enamel] or [Stainless steel, {Bright} {Satin} finish].

- C. Roval Cast Iron Cover, Model 0195 [Universal Voltage]
 - 1. Cover fabricated of heavy-duty, one piece formed steel 1/16" thick finished on exposed surfaces with porcelain enamel.
 - 2. Motor 1/4 HP, brush type, dual ball bearing, 7500 RPM.
 - 3. Infrared sensor.
 - 4. Finish: Steel housing with Porcelain enamel.
 - a. Color as selected.

- D. Roval Recessed Steel Cover, Model 20199 [120-240 VAC]
 - 1. Cover fabricated of heavy-duty, one piece formed 18-gage stainless steel exposed surfaces.
 - 2. Motor 0.69 HP, brush type, dual ball bearing, 29000 RPM.
 - 3. Infrared sensor.
 - 4. Finish: Stainless steel, Satin finish.

- E. Model 0133 [Universal Voltage]
 - 1. Cover fabricated of heavy-duty, 14-gage seamless stainless steel cover, exposed surfaces satin finish.
 - 2. Motor: 1/4 HP, brush type, dual ball bearing, 7500 RPM.
 - 3. Infrared sensor.
 - 4. Finish: Stainless steel, Satin finish.

- E. Model 64673, Three-in-one unit recessed combination paper towel dispenser, automatic hand dryer and waste receptacle.
 - 1. Three-in-one unit combines towel dispenser, automatic hand dryer and a four gallon stainless steel waste receptacle in one unit.

- F. Profile Model 0165: [Universal Voltage]
 - 1. Compact design. Cast Aluminum, single-piece construction, with epoxy enamel finish.
 - 2. Brush type electric motor rated 1/4 horsepower.
 - 3. Infrared sensor.
 - 4. Surface mounted with 4-inch projection – ADA Compliant.
 - 5. Finish: [Grey] or [White].

- G. Model 0184: Surface Mounted Sensor Hand Dryer [277 VAC]
 - 1. Steel, single-piece 16-gage drawn steel construction.
 - 2. Brush type electric motor rated 1/4 horsepower, 7500 RPM.
 - 3. Infrared sensor.
 - 4. ADAAG Compliant.
 - 5. Finish: Porcelain Enamel

- H. Porcelain Model 0141 [110-120VAC] [Model 0144, 208-240V]
 - 1. Cast iron housing, single-piece construction, 1/4-inch thick, with acid-resistant porcelain enamel finish.
 - 2. Brushless electric motor rated 1/8 horsepower.
 - 3. Infrared sensor
 - 4. Flip nozzle for face drying
 - 5. Color as selected.

2.7 HOSPITAL AND MEDICAL SERVICE ACCESSORIES

- A. Pass Through Specimen Cabinet: Model 8154.
 - 1. Self-closing Doors: 22-gage stainless steel, No. 4 satin finish; interlock on doors prevents both doors from being opened at the same time.

2. Cabinet: 22-gage stainless steel, 1-inch flange with 1/4-inch return to wall, four sides; 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-gage stainless steel.
- B. Turntable Specimen Pass Cabinet: Model 0515.
1. Turntable Cylinder Assembly: 18-gage 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-gage stainless steel, 1-inch flange with 1/4-inch returns, four sides; 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.
- C. Recessed Bedpan and Urinal Cabinet: Model 0551.
1. Door: 22-gage stainless steel, with 1/4-inch returns; No. 4 satin finish.
 2. Airspace: 1/2-inch, continuous, above and below door.
 3. Cabinet: 22-gage stainless steel, 1-inch flange with 1/4-inch return to wall, four sides; 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.
- D. Foot Operated Surgical Soap Dispenser: Model 0349. Pneumatic pump mechanism, 32 ounce (.9 L) polyethylene container. Free turning spout is type 316 stainless steel.
- E. Corner Guards: Model 0533; 18-gage stainless steel, radius corner. Length as indicated.

PART 3- EXECUTION

3.3 EXAMINATION

- A. Verify openings are sized and located in accordance with shop drawings.
- B. Verify reinforcement and anchoring devices are correct type and are located in accordance with shop drawings.
- C. Examine conditions under which construction activities are to be performed, then submit written notification if such conditions are unacceptable.

3.4 INSTALLATION

- A. Install accessories in the locations indicated with anchor devices of the types specified. Fasten securely, true, plumb and level.
 1. Install recessed accessories into wall openings with wood screws through cabinet side into wood blocking or studs, or sheet metal screws into metal backing or studs.
 2. Install surface mounted accessories to hollow back up using toggle bolts and to metal or wood backing using proper type screws.
 3. Provide fasteners, anchors, and the like as necessary to install toilet accessories.

4. Make required electrical connections.

B. Locate toilet accessories at heights specified by ADAAG, State, or local requirements.

3.5 CLEANING

A. Remove manufacturer's protective coverings and clean surfaces in accordance with manufacturer's recommendations.

3.6 PROTECTION

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.

3.7 SCHEDULES

A. Commercial Buildings (Class A)

1. Men's Public Washrooms:

- a. Mirror at each lavatory except accessible.
*0600 Series Angle-Frame Mirror / See sizes on drawings
*20650 Roval Stainless Steel Mirror / See sizes on drawings
- b. Mirror at accessible lavatory.
*0535 Series Fixed Tilt Mirror / See sizes on drawings
- c. Soap Dispenser at lavatory.
*9343 Profile Series Surface Mounted Soap Dispenser / 48 fl oz capacity
*20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
*20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
- d. Paper Towel Dispenser/Waste Receptacle.
*94696A Profile Series Automatic Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" Wide, 800 ft. Long Rolls / 10-gal. waste receptacle
*204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
*20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
- e. Toilet Tissue Dispenser/Seat Cover Dispenser at compartments (back-to-back mounting).
*0484 Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser.
*0485 End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser / ADA Compartment
- f. Toilet Tissue Dispenser.
*9030 Profile Series Surface Mounted Dual Roll Toilet Tissue Dispenser [9031 – recessed]
*20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
- g. Seat Cover Dispenser at compartment.
*9477SM Profile Series Surface Mounted Seat Cover Dispenser [9477 – recessed]
*20477-SM Roval Surface Mounted Seat Cover Dispenser

- h. Grab Bars as indicated on drawings.
*3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
 - i. Baby Changing Station.
*9013 Recessed Stainless Steel Baby Changing Station [9013-9 surface mounted]
 - j. Hand Dryers.
*0185 Profile Series Surface-Mounted Warm Air Hand Dryer / 185-CFM
*0165 Profile Series Compact Surface-Mounted Warm Air Hand Dryer / 180-CFM
2. Women's Public Washrooms:
- a. Mirror at each lavatory except accessible.
*0600 Series Angle-Frame Mirror / See sizes on drawings
*20650 Roval Stainless Steel Mirror / See sizes on drawings
 - b. Mirror at accessible lavatory.
*0535 Series Fixed Tilt Mirror / See sizes on drawings
 - c. Soap Dispenser at lavatory.
*9343 Profile Series Surface Mounted Soap Dispenser / 48 fl Oz Capacity
*20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
*20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
 - d. Paper Towel Dispenser / Waste Receptacle.
*94696A Profile Series Automatic Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" Wide, 800 ft. Long Rolls / 10-gal. Waste Receptacle
*204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
*20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
 - e. Toilet Tissue Dispenser / Seat Cover Dispenser / Napkin Disposal at compartment. *0481 Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser with Sanitary Disposal
*0482 End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser with Sanitary Disposal / ADA Compartment
 - f. Toilet Tissue Dispense.
*9030 Profile Series Surface Mounted Dual Roll Toilet Tissue Dispenser [9031 – recessed]
*20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
 - g. Grab Bars as indicated on drawings.
*3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
 - h. Napkin/Tampon Disposal
*0852 Surface Mounted Sanitary Napkin Disposal
*20470 Roval Recessed Sanitary Napkin Disposal
*20852 Roval Surface Mounted Napkin Disposal
 - i. Napkin/Tampon Vendor
*94684 Profile Series Recessed Dual Napkin / Tampon Vender – Dispenses 15 Napkins / 23 Tampons
*204684 Roval Recessed Dual Napkin / Tampon Vendor, dispenses 31 napkins and 22 tampons
 - j. Seat Cover Dispenser at compartment.
*9477SM Profile Series Surface Mounted Seat Cover Dispenser [9477 – recessed]

- *204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
- *20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
- d. Toilet Tissue Dispenser.
 - *9030 Profile Series Surface Mounted Dual Roll Toilet Tissue Dispenser [9031 – recessed]
 - *20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
- e. Seat Cover Dispenser at compartment.
 - *9477SM Profile Series Surface Mounted Seat Cover Dispenser [9477 – recessed]
 - *20477-SM Roval Surface Mounted Seat Cover Dispenser
- f. Grab Bars as indicated on drawings.
 - *3801 Series Concealed Mounting Grab Bar 1-1/2” diameter
- 5. Women’s Single Toilet Room
 - a. Mirror at accessible lavatory.
 - *0600 Series Angle-Frame Mirror / See sizes on drawings
 - *20650 Roval Stainless Steel Mirror / See sizes on drawings
 - b. Soap Dispenser at lavatory.
 - *9343 Profile Series Surface Mounted Soap Dispenser / 48 fl Oz Capacity
 - *20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
 - *20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
 - c. Paper Towel Dispenser/Waste Receptacle.
 - *94623 Profile Series Paper Towel Dispenser / Waste Receptacle 350 C-fold or 475 Multi-fold Towels / 2-gal. Waste Receptacle
 - *204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
 - *20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
 - d. Toilet Tissue Dispenser.
 - *9030 Profile Series Surface Mounted Dual Roll Toilet Tissue Dispenser [9031 – recessed]
 - *20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
 - e. Napkin / Tampon Disposal.
 - *0852 Surface Mounted Sanitary Napkin Disposal
 - *20470 Roval Recessed Sanitary Napkin Disposal
 - *20852 Roval Surface Mounted Napkin Disposal
 - f. Seat Cover Dispenser at compartment.
 - *9477SM Profile Series Surface Mounted Seat Cover Dispenser [9477 – recessed]
 - *20477-SM Roval Surface Mounted Seat Cover Dispenser
 - g. Grab Bars as indicated on drawings.
 - *3801 Series Concealed Mounting Grab Bar 1-1/2” diameter
 - h. Folding Utility Shelf.
 - *0698 Folding Utility Shelf for Toilet Compartment
- 6. Janitor’s Closet:
 - a. Utility Shelf/Mop Holder; length 34-inches.
 - *1308-3 Shelf with Utility Hooks and Mop Strip – 3 Mop Holders / 4 Utility Hooks

- B. Heavy Use Commercial Buildings (Convention, Airport, Sports Facilities, Retail)
 - 1. Men's Public Toilet Rooms:
 - a. Mirror at each lavatory except accessible.
*0600 Series Angle-Frame Mirror / See sizes on drawings
*20650 Roval Stainless Steel Mirror / See sizes on drawings
 - b. Mirror at accessible lavatory.
*0535 Series Fixed Tilt Mirror / See sizes on drawings
 - c. Soap Dispenser at lavatory.
*0345 Surface Mounted Soap Dispenser / Horizontal / 40 fl Oz Capacity
*20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
*20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
 - d. Paper Towel Dispenser / Waste Receptacle.
*0469 Traditional Series Paper Towel Dispenser / Waste Receptacle 600 C-fold or 800 Multi-fold Towels / 12-gal. Waste Receptacle
*04692A Traditional Series Automatic Roll Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" (205 or 230mm) Wide, 800 ft. (244mm) Long Rolls / 18-gal. Waste Receptacle
*046921A Traditional Series Automatic Roll Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" (205 or 230mm) Wide, 800 ft. (244mm) Long Rolls / 13.3-gal. Waste Receptacle (*California Title-24*)
*204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
*20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle

For Automatics see 2.6.B Use should be based on volume and function

- e. Toilet Tissue Dispenser/Seat Cover Dispenser at compartments (back-to-back mounting).
*0484 Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser
*0485 End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser / ADA Compartment
- f. Toilet Tissue Dispenser at compartment.
*0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 - recessed]
*20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
- g. Seat Cover Dispenser at compartment.
*0477-SM Traditional Series Surface Mounted Toilet Seat Cover Dispenser [0477 – recessed]
*20477-SM Roval Surface Mounted Seat Cover Dispenser
- h. Grab Bars as indicated on drawings.
*3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
- i. Hand Dryers.
*0197-1 (120V) Turbo-Dri Surface Mounted High Speed Automatic Warm Air Hand Dryer [0197-2 (240 VAC)]
*0133 Simplicity Series Recessed Stainless Steel Automatic Warm Air Hand Dryer / 185-CFM
- j. Freestanding Waste.
*0829 Corner Waste Receptacle / 15.5 gal. Capacity

2. Women's Public Washrooms:
 - a. Mirror at each lavatory except accessible.
 - *0600 Series Angle-Frame Mirror / See sizes on drawings
 - *20650 Roval Stainless Steel Mirror / See sizes on drawings
 - b. Mirror at accessible lavatory.
 - *0535 Series Fixed Tilt Mirror / See sizes on drawings
 - c. Soap Dispenser at lavatory.
 - *0345 Surface Mounted Soap Dispenser / Horizontal / 40 fl Oz Capacity
 - *20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
 - *20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
 - d. Paper Towel Dispenser/Waste Receptacle.
 - *0469 Traditional Series Paper Towel Dispenser / Waste Receptacle 600 C-fold or 800 Multi-fold Towels / 12-gal. Waste Receptacle
 - *04692A Traditional Series Automatic Roll Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" (205 or 230mm) Wide, 800 ft. (244mm) Long Rolls / 18-gal. Waste Receptacle
 - *046921A Traditional Series Automatic Roll Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" (205 or 230mm) Wide, 800 ft. (244mm) Long Rolls / 13.3-gal. Waste Receptacle (*California Title-24*)
 - *204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
 - *20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
 - e. Toilet Tissue Dispenser/Seat Cover Dispenser/Napkin Disposal at compartments (back-to-back mounting). *0481 Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser with Sanitary Disposal
 - *0482 End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser with Sanitary Disposal / ADA Compartment
 - f. Grab Bars as indicated on drawings.
 - *3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
 - g. Toilet Tissue Dispenser at compartment.
 - *0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 - recessed]
 - *20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
 - h. Napkin/Tampon Disposal at compartment.
 - *0473-A End Stall Sanitary Disposal Surface Mounted
 - i. Napkin/Tampon Vendor.
 - *04684 Traditional Series Recessed Dual Napkin / Tampon Vendor – Dispenses 15 Napkins / 23 Tampons
 - *204684 Roval Recessed Dual Napkin / Tampon Vendor, dispenses 31 napkins and 22 tampons
 - j. Seat Cover Dispenser at compartment.
 - *0477-SM Traditional Series Surface Mounted Toilet Seat Cover Dispenser [0477 – recessed]
 - *20477-SM Roval Surface Mounted Seat Cover Dispenser
 - k. Baby Changing Station.
 - *9012 Surface Mounted Baby Changing Station / Horizontal {Complies with Accessibility Codes}
 - l. Hand Dryers.
 - *0197-1 (120V) Turbo-Dri Surface Mounted High Speed Automatic

- Warm Air Hand Dryer [0197-2 (240 VAC)]
 - *0133 Simplicity Series Recessed Stainless Steel Automatic Warm Air Hand Dryer / 185-CFM
- l. Freestanding Waste.
 - *0829 Corner Waste Receptacle / 15.5 gal. Capacity
- m. Folding Utility Shelf.
 - *0698 Folding Utility Shelf for Toilet Compartment
- 3. Unisex Toilet Room
 - a. Mirror at accessible lavatory.
 - *0535 Series Fixed Tilt Mirror / See sizes on drawings
 - b. Soap Dispenser at lavatory.
 - *0345 Surface Mounted Soap Dispenser / Horizontal / 40 fl Oz Capacity
 - *20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
 - *20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
 - c. Paper Towel Dispenser / Waste Receptacle.
 - *0462-AD Traditional Series Paper Towel Dispenser / Waste Receptacle 350 C-fold or 475 Multi-fold Towels / 2-gal. Waste
 - *0469 Traditional Series Paper Towel Dispenser / Waste Receptacle 600 C-fold or 800 Multi-fold Towels / 12-gal. Waste Receptacle
 - *04692A Traditional Series Automatic Roll Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" (205 or 230mm) Wide, 800 ft. (244mm) Long Rolls / 18-gal. Waste Receptacle
 - *046921A Traditional Series Automatic Roll Paper Towel Dispenser / Waste Receptacle. Dispenses a Pre-set Length from 8" or 9" (205 or 230mm) Wide, 800 ft. (244mm) Long Rolls / 13.3-gal. Waste Receptacle (*California Title-24*)
 - *204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
 - *20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
 - d. Grab Bars as indicated on drawings.
 - *3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
 - e. Toilet Tissue Dispenser at compartment.
 - *0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 - recessed]
 - *20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
 - f. Napkin/Tampon Disposal.
 - *0852 Surface Mounted Sanitary Napkin Disposal
 - *20470 Roval Recessed Sanitary Napkin Disposal
 - *20852 Revol Surface Mounted Napkin Disposal
 - g. Seat Cover Dispenser at compartment.
 - *0477-SM Traditional Series Surface Mounted Toilet Seat Cover Dispenser [0477 – recessed]
 - *20477-SM Roval Surface Mounted Seat Cover Dispenser
 - h. Baby Changing Station.
 - *9012 Surface Mounted Baby Changing Station / Horizontal {Complies with Handicapped Accessibility Codes}
 - i. Freestanding Waste.
 - *0829 Corner Waste Receptacle / 15.5 gal. Capacity
- 4. Men's Single Toilet Room
 - a. Mirror at accessible lavatory.

- *0535 Series Fixed Tilt Mirror / See sizes on drawings
- b. Soap Dispenser at lavatory.
 - *0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - *20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
 - *20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
- c. Paper Towel Dispenser / Waste Receptacle.
 - *0462-AD Traditional Series Paper Towel Dispenser / Waste Receptacle 350 C-fold or 475 Multi-fold Towels / 2-gal. Waste
 - *204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
 - *20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
- d. Grab Bars as indicated on drawings.
 - *3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
- e. Toilet Tissue Dispenser.
 - *0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 - recessed]
 - *20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
- f. Seat Cover Dispenser at compartment.
 - *0477-SM Traditional Series Surface Mounted Toilet Seat Cover Dispenser [0477 – recessed]
 - *20477-SM Roval Surface Mounted Seat Cover Dispenser
- 5. Women's Single Toilet Room
 - a. Mirror at accessible lavatory.
 - *0535 Series Fixed Tilt Mirror / See sizes on drawings
 - b. Soap Dispenser at lavatory.
 - *0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - *20364 Roval Automatic Surface Mounted Soap Dispenser / 33.8 fl oz capacity
 - *20333 Roval Automatic Deck Mounted Soap Dispenser / 54 fl oz capacity
 - c. Paper Towel Dispenser/Waste Receptacle.
 - *0462-AD Traditional Series Paper Towel Dispenser / Waste Receptacle 350 C-fold or 475 Multi-fold Towels / 2-gal. Waste
 - *204623 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 350 C-fold or 475 multi-fold towels. 3-gal waster receptacle
 - *20469 Roval Recessed Paper Towel Dispenser / Waste Receptacle. 600 C-fold or 800 multi-fold towels. 14.8-gal waster receptacle
 - d. Grab Bars as indicated on drawings.
 - *3801 Series Concealed Mounting Grab Bar 1-1/2" diameter
 - e. Toilet Tissue Dispenser.
 - *0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 - recessed]
 - *20030 Roval Surface Mounted Twin Hide-A-Roll Toilet Tissue Dispenser
 - f. Seat Cover Dispenser at compartment.
 - *0477-SM Traditional Series Surface Mounted Toilet Seat Cover Dispenser [0477 – recessed]
 - *20477-SM Roval Surface Mounted Seat Cover Dispenser
 - g. Napkin/Tampon Disposal.
 - *0852 Surface Mounted Sanitary Napkin Disposal
 - *20470 Roval Recessed Sanitary Napkin Disposal

- c. Drawings [0535-L ¼" Laminated Glass]
Soap Dispenser.
*0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - d. Electric Hand Dryer.
*0197-1 (120V) Turbo-Dri Surface Mounted High Speed Automatic Warm Air Hand Dryer [0197-2 (240 VAC)]
 - e. Toilet Tissue Dispenser at compartments (back-to-back mounting).
*0484 (Men's) Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser
*0485 (Men's) End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser / ADA Compartment
*0481 (Women's) Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser with Sanitary Disposal
*0482 (Women's) End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser with Sanitary Disposal / ADA Compartment
 - f. Toilet Tissue Dispenser at compartment.
*0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 – recessed]
 - g. Grab Bars as indicated on drawings.
*3701 Series Concealed Mounting Grab Bar 1-1/4" Diameter
 - h. Shower Curtain Rod / Hooks / Shower Curtain.
*1204 Extra Heavy-Duty Shower Curtain Rod / *1200-SHU Stainless Steel Shower Curtain Hooks / *1200-V Vinyl Shower Curtain
 - i. Heavy Duty Towel Hook.
*8425 Clothes Hook
 - j. ADA Shower Seat.
*8206 Reversible Folding Shower Seat / Phenolic
2. Men's Public Washrooms:
- a. Mirror at each lavatory except accessible.
*0620 Series Channel Frame Mirror / See sizes on drawings
 - b. Mirror at accessible lavatory.
*0535 Series Fixed Tilt Mirror / See sizes on drawings
 - c. Soap Dispenser at lavatory.
*0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - d. Paper Towel Dispenser/Waste Receptacle.
*0469 Traditional Series Paper Towel Dispenser / Waste Receptacle 600 C-fold or 800 Multi-fold Towels / 12-gal. Waste Receptacle
 - e. Toilet Tissue Dispenser/Seat Cover Dispenser at compartments (back-to-back mounting).
*0484 Partition Mounted Dual Access Seat Cover and Toilet Tissue Dispenser
*0485 End Stall – Dual Access Seat Cover and Toilet Tissue Dispenser / ADA Compartment
 - f. Toilet Tissue Dispenser at compartment.
*0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 – recessed]
 - g. Seat Cover Dispenser at compartment.
*0477-SM Traditional Series Surface Mounted Toilet Seat Cover Dispenser [0477 – recessed]
 - h. Grab Bars as indicated on drawings.
*3701 Series Concealed Mounting Grab Bar 1-1/4" Diameter
 - i. Electric Hand Dryer.
*0197-1 (120V) Turbo-Dri Surface Mounted High Speed Automatic Warm Air Hand Dryer [0197-2 (240 VAC)]
*0133 Simplicity Series Recessed Stainless Steel Automatic Warm Air

- Hand Dryer / 185 CFM
3. Women's Public Washrooms:
 - a. Mirror at each lavatory except accessible.
*0620 Series Channel Frame Mirror / See sizes on drawings
 - b. Mirror at accessible lavatory.
*0535 Series Fixed Tilt Mirror / See sizes on drawings
 - c. Soap Dispenser at lavatory.
*0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - d. Paper Towel Dispenser / Waste Receptacle.
*0469 Traditional Series Paper Towel Dispenser / Waste Receptacle
600 C-fold or 800 Multi-fold Towels / 12-gal. Waste Receptacle.
 - e. Seat Cover Dispenser at compartment.
*0477-SM Traditional Series Surface Mounted Toilet Seat Cover
Dispenser [0477 – recessed]
 - f. Toilet Tissue Dispenser at compartment.
*0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 –
recessed]
 - g. Toilet Tissue Dispenser/Seat Cover Dispenser/Napkin Disposal at
compartment.
*0481 (Women's) Partition Mounted Dual Access Seat Cover and
Toilet Tissue Dispenser with Sanitary Disposal
*0482 (Women's) End Stall – Dual Access Seat Cover and Toilet
Tissue Dispenser with Sanitary Disposal / ADA Compartment
 - h. Grab Bars as indicated on drawings.
*3701 Series Concealed Mounting Grab Bar 1-1/4" Diameter
 - i. Napkin/Tampon Vendor.
*04684 Traditional Series Recessed Dual Napkin / Tampon Vendor –
Dispenses 15 Napkins / 23 Tampons
 - j. Napkin/Tampon Disposal.
*0852 Surface Mounted Sanitary Napkin Disposal
 - k. Baby Changing Station.
*9012 Surface Mounted Baby Changing Station / Horizontal {Complies
with Handicapped Accessibility Codes}
*9013 Recessed Stainless Steel Baby Changing Station [9013-9
surface mounted]
 - l. Electric Hand Dryer.
*0197-1 (120V) Turbo-Dri Surface Mounted High Speed Automatic
Warm Air Hand Dryer [0197-2 (240 VAC)
*0133 Simplicity Series Recessed Stainless Steel Automatic Warm Air
Hand Dryer / 185 CFM
 - m. Folding Utility Shelf.
*0698 Folding Utility Shelf for Toilet Compartment
 4. Unisex Toilet Room
 - a. Mirror at accessible lavatory.
*0620 Series Channel Frame Mirror / See sizes on drawings
 - b. Soap Dispenser at lavatory.
*0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - c. Paper Towel Dispenser/Waste Receptacle.
*0469 Traditional Series Paper Towel Dispenser / Waste Receptacle
600 C-fold or 800 Multi-fold Towels / 12-gal. Waste Receptacle
 - d. Grab Bars as indicated on drawings.
*3701 Series Concealed Mounting Grab Bar 1-1/4" Diameter
 - e. Toilet Tissue Dispenser recessed.
*0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 –
recessed]

- f. Baby Changing Station.
 - *9012 Surface Mounted Baby Changing Station / Horizontal (Complies with Handicapped Accessibility Codes)
 - *9013 recessed Stainless Steel Baby Changing Station [9013-9 surface mounted]
- g. Napkin/Tampon Disposal.
 - *0852 Surface Mounted Sanitary Napkin Disposal
- h. Electric Hand Dryer.
 - *0185 Profile Series Surface-Mounted Warm Air Hand Dryer / 185-CFM
- 5. Men's Single Toilet Room
 - a. Mirror at accessible lavatory.
 - *0535 Series Fixed Tilt Mirror / See sizes on drawings
 - b. Soap Dispenser at lavatory.
 - *0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - c. Paper Towel Dispenser / Waste Receptacle.
 - *0462-AD Traditional Series Paper Towel / Waste Receptacle 350 C-Fold or 475 Multi-fold Towels / 2-gal. Waste
 - d. Grab Bars as indicated on drawings.
 - *3701 Series Concealed Mounting Grab Bar 1-1/4" Diameter
 - e. Toilet Tissue Dispenser.
 - *0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 – recessed]
 - f. Electric Hand Dryer.
 - *0185 Profile Series Surface-Mounted Warm Air Hand Dryer / 185-CFM
- 6. Women's Single Toilet Room
 - a. Mirror at accessible lavatory.
 - *0535 Series Fixed Tilt Mirror / See sizes on drawings
 - b. Soap Dispenser at lavatory.
 - *0347 Surface Mounted Soap Dispenser / Vertical / 40 fl Oz Capacity
 - c. Paper Towel Dispenser/Waste Receptacle.
 - *0462-AD Traditional Series Paper Towel Dispenser / Waste Receptacle 350 C-fold Or 475 Multi-fold Towels / 2 gal. Capacity
 - d. Grab Bars as indicated on drawings.
 - *3701 Series Concealed Mounting Grab Bar 1-1/4" Diameter
 - e. Toilet Tissue Dispenser recessed.
 - *0030 Traditional Series Dual Roll Toilet Tissue Dispenser [0031 – recessed]
 - f. Napkin/Tampon Disposal.
 - *0852 Surface Mounted Sanitary Napkin Disposal
 - g. Folding Utility Shelf.
 - *0698 Folding Utility Shelf for Toilet Compartment
- 7. Janitor's Closet:
 - a. Utility Shelf/Mop Holder; length 34-inches.
 - *1308-3 Shelf with Utility Hooks and mop Strip – 3 mop Holders / 4 Utility Hooks
- 8. Inmate Prison Cell: If accessories rear-mounted, verify wall depths.
 - a. Metal Mirror.
 - *107 One Piece Framed Mirror with Rounded Corners / Front Mounting [108 – rear mounting]
 - b. Soap Dish.
 - *140 Recessed Soap Dish / Rear Mounting
 - c. Toilet Tissue Holder
 - *110-13 Square Recessed Toilet Tissue Holder / Front Mounting [110-

- 1 – rear mounting]
- d. Shelf.
*130 Recessed Shelf / Rear Mounting
- e. Detention Clothes Hook.
*123 Square Clothes Hook / Front Mounting [122 – rear mounting]
- f. Grab Bar.
*164 Grab Bar – 36" / Front Mounting [163 – 36" rear mounting]
- g. Grab Bar.
*169 Grab Bar – 48" / Front Mounting [168 – 48" rear mounting]

END OF SECTION