



BRADLEY COMMERCIAL TOILET ACCESSORIES – ELVARI COLLECTION

Guide Specification

This Bradley guide specification is useful in specifying toilet accessories. Discover the Elvari™ Collection from Bradley. Bradley's complete suite of washroom accessories creates a cohesive and modern look to elevate commercial washroom designs. The euro style pill-shape design brings smooth curves and soft edges to the entire collection — from grab bars, paper dispensers, receptacles to LED mirrors, shelves, soap dispensers and more — this new line is sure to inspire.

Each product in the Elvari collection embodies modern sophistication. The minimalist design of the accessories will seamlessly integrate into any commercial washroom setting whether a boutique hotel, eclectic coffee shop, high-end retail store, upscale restaurant or corporate office.

This section is editable using commercial specification automation tools.

Bradley Corporation, the industry's leading manufacturer of premium quality commercial lavatories and lavatory faucets, wash stations, toilet accessories, TMVs, and emergency plumbing fixtures, serves a diverse customer base ranging from local business facilities to international corporations like Wal-Mart, General Motors, U.S. Postal Service, W.W. Grainger, and AMC Theaters Corporation.

Architects, engineers, and specifiers look to Bradley Corporation for innovation in design and leadership in the development of environmentally conscious products. Bradley Corporation, a member of the U.S. Green Building Council, has several products earning UL GREENGUARD certification and UL GREENGUARD Children and Schools program.

Bradley eases the specifying process with a seasoned customer service staff and a range of helpful information tools on an advanced website. For example, easy-to-use sizing software, available on Bradley's website, allows engineers to quickly determine the correct size Thermostatic Mixing Valves.

Contact Bradley Corporation, Menomonee Falls, WI 53051; Phone: 800-BRADLEY ((800)272-3539) or visit the Bradley web site www.bradleycorp.com.

Bradley Corporation is an AIA/CES registered provider currently offering multiple programs providing one HS&W Learning Unit each. For listing see www.bradleycorp.com/ce

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SECTION 10 28 13.14
COMMERCIAL TOILET ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SECTION INCLUDES

- A. Public-use washroom accessories.

1.3 RELATED SECTIONS

- 1. Division 08 Section "Mirrors" for monolithic glass mirrors.
- 2. Division 10 Section "Hospitality Toilet Accessories" for toilet accessories specific to public accommodations.
- 3. Division 10 Section "Healthcare Toilet Accessories" for toilet accessories specific to healthcare facility patient care areas.
- 4. Division 10 Section "Shower Room Accessories."
- 5. Division 10 Section "Detention Toilet Accessories" for toilet accessories specific to detention facility secure areas.

1.4 REFERENCES

- A. American National Standards Institute (ANSI):
 - 1. ANSI A 117.1 - Accessible and Usable Buildings and Facilities.
- B. ASTM International (ASTM):
 - 1. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
 - 2. ASTM A 1008/A 1008M- Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable.
 - 3. ASTM B 456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
 - 4. ASTM C 1503 - Standard Specification for Silvered Flat Glass Mirror.
 - 5. ASTM F 446 - Standard Consumer Safety Specification for Grab Bars and Accessories Installed in the Bathing Area.
- C. US Federal Government:
 - 1. U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disability Act (ADA) and Architectural Barriers Act (ABA) Accessibility Guidelines for Buildings and Facilities.

1.5 ACTION SUBMITTALS

- A. Product Data: For each product:
 - 1. Manufacturer's product data sheets indicating operating characteristics, materials and finishes. Mark each sheet with product designation.
 - 2. Mounting requirements and rough-in dimensions.

1.6 INFORMATION SUBMITTALS

- A. Sample warranty.

- B. Operation, care and cleaning instructions.

1.7 MAINTENANCE SUBMITTALS

- A. Furnish indicated spare parts that are packaged with identifying labels listing associated products.
- B. Operation and Maintenance data.
- C. Keys for lockable units.

1.8 QUALITY ASSURANCE

- A. Source Limitations: For products listed together in the same Part 2 articles, obtain products from single source from single manufacturer.
- B. Manufacturer Qualifications: Approved manufacturer listed in this section, with minimum five years' experience in the manufacture of product types in use in similar facilities. Manufacturers seeking approval must submit the following:
 - 1. Product data, including test data from qualified independent testing agency indicating compliance with requirements.
 - 2. List of successful installations of similar products available for evaluation by Architect.

1.9 WARRANTY

- A. The warranty is limited to replacing or repairing, at manufacturer's option, transportation charges prepaid by the purchaser, any washroom accessory unit or part thereof which our inspection shall show to have been defective within the limitations of the warranty.
- B. The period during which accessory units are warranted is as follows, measured from the date of manufacturer's invoices:
 - 1. Complete unit, except mirrors - one (1) year.
 - 2. Stainless Steel Mirror Frames - fifteen (15) years against corrosion.
 - 3. Plate Glass Mirrors - fifteen (15) years against silver spoilage under normal indoor atmospheric conditions.
 - 4. Hand/Hair Dryers - ten (10) years (see DRYER WARRANTY).
 - 5. Tempered Glass Mirrors - five (5) years against silver spoilage under normal indoor atmospheric conditions.
 - 6. Laminate Glass - five (5) years against silver spoilage under normal indoor atmospheric conditions.
 - 7. LED Mirrors - five (5) years on electronic components and against silver spoilage under normal indoor atmospheric conditions.
 - 8. Polished #8 Architectural Grade Finish on 304 Series Stainless Steel - one (1) year against corrosion.
 - 9. Bright Annealed Finish on 430 Series Stainless Steel - one (1) year against corrosion.
 - 10. Verge Deck Mounted Soap Dispensers - three (3) years
- C. The warranty does not cover installation labor charges and does not apply to any units which have been damaged by accident, abuse, improper installation, improper maintenance, or altered in any way. Rust and discoloration to stainless steel parts resulting from exposure to harsh environmental and/or chemical conditions are not considered to be defects in workmanship or material and there is no expressed or implied warranty for such a condition.
- D. The replacement or repair of defective washroom accessory units as stated in the warranty shall constitute the sole remedy of the purchaser and the sole liability of the manufacturer under this warranty. The manufacturer shall not under any circumstances be liable for incidental, consequential or indirect damages caused by defects in washroom accessory units or any delay in the repair or replacement thereof.
- E. The warranty extends only to commercial and institutional purchasers and does not extend to any others, including consumer customers of commercial and institutional purchasers.

- F. The warranty does not extend to any product purchased from an unauthorized online seller (meaning any seller offering manufacturer's products for sale over the internet, other than those resellers identified as "authorized").
- G. The warranty is in lieu of all other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose or otherwise.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Products: Subject to compliance with requirements, provide commercial toilet accessories manufactured by Bradley Corporation, Menomonee Falls, WI 53051, (800) 272-3539, fax: (262) 251-5817; Email info@BradleyCorp.com; Website: www.bradleycorp.com.
 - 1. Submit comparable products of one of the following for approval by Architect:
 - a. **[Specifier: insert name of manufacturer of comparable product.]**
 - 2. Submit requests for substitution in accordance with Instructions to Bidders and Division 01 General Requirements.
 - 3. Provide specified product; Owner will not consider substitution requests.

2.2 PERFORMANCE REQUIREMENTS

- A. Accessibility Requirements: Comply with requirements of ADA/ABA and authorities having jurisdiction.
 - 1. ANSI A 117.1 - Accessible and Usable Buildings and Facilities.
- B. Operational Performance:
 - 1. Concealed magnetic locking system with magnetic key.
 - 2. High visibility low-level indicator to alert staff when attention is needed.
 - 3. Anti-slam operation to prevent an open dispenser from damaging walls or dispenser when being opened for refilling.

2.3 LED MIRRORS

- A. LED Mirrors (**LMIR-#**):
 - 1. Basis of Design: Bradley Corp., Model 7B1.
 - 2. Description: LED mirrors shall be 5mm thick, constructed from high quality flat glass, guaranteed for 5 years on electronic components and against silver spoilage. Radiused corners and edges ground and polished smooth. Available with an optional illuminated LED shelf that plugs into LED driver. Shelf is 5/16" (8mm) thick and 4-9/16" (116mm) deep, lengths vary based on mirror width. Tamper-resistant mounting. Mirror can be removed using the supplied T-wrench.
 - 3. Size: 7B1-5018300 (18" x 30") (457 mm x 762mm).
 - 4. Size: 7B1-5018360 (18" x 36") (457 mm x 914mm).
 - 5. Size: 7B1-5024360 (24" x 36") (610mm x 914mm).
 - 6. Size: 7B1-5024420 (24" x 42") (610mm x 1066mm).
 - 7. Size: 7B1-5024480 (24" x 48") (610mm x 1219mm).
 - 8. Size: 7B1-5024600 (24" x 60") (610mm x 1524mm).
 - 9. Size: 7B1-5042600 (42" x 60") (1066mm x 1524mm).
 - 10. Size: 7B1-7018300 (18" x 30" with LED shelf) (457mm x 762mm with LED shelf).
 - 11. Size: 7B1-7018360 (18" x 36" with LED shelf) (457mm x 914mm with LED shelf).
 - 12. Size: 7B1-7024360 (24" x 36" with LED shelf) (610mm x 914mm with LED shelf).
 - 13. Size: 7B1-7024420 (24" x 42" with LED shelf) (610mm x 1066mm with LED shelf).

2.4 MIRRORS

- A. Frameless (**MIR-#**):
 - 1. Basis of Design: Bradley Corp., Model 7B1.

2. Description: Frameless mirrors shall be high quality 1/4" (6.4mm) flat glass, guaranteed for 15 years against silver spoilage. Radiused corners and edges ground and polished smooth. Vertical mounting only. Available with an optional 16-gauge, 300 series stainless steel shelf in a brushed #3 satin finish. Shelf is 5-1/2" (140mm) deep, lengths vary based on mirror width. Tamper-resistant mounting. Mirror can be removed using removal tool #330-074 (ordered separately).
3. Size: 7B1-1024360 (24" x 36") (610mm x 914mm).
4. Size: 7B1-1030360 (30" x 36") (762mm x 914mm).
5. Size: 7B1-1036600 (36" x 60") (914mm x 1524mm).
6. Size: 7B1-3024360 (24" x 36" with shelf) (610mm x 914mm with shelf).
7. Size: 7B1-3030360 (30" x 36" with shelf) (762mm x 914mm with shelf).
8. Size: 7B1-3036600 (36" x 60" with shelf) (914mm x 1524mm with shelf).

B. Frame (**MIR-#**):

1. Basis of Design: Bradley Corp., Model 7B1.
2. Description: Frame mirrors shall be high quality 1/4" (6.4mm) flat glass, guaranteed for 15 years against silver spoilage. Radiused corners and edges ground and polished smooth. Vertical mounting only. Frame mirrors feature 20-gauge stainless steel frame in brushed #3 satin finish. Available with an optional 16-gauge, 300 series stainless steel shelf in a brushed #3 satin finish. Shelf is 5-1/2" (140mm) deep, lengths vary based on mirror width. Tamper-resistant mounting. Mirror can be removed using removal tool #330-074 (ordered separately).
3. Size: 7B1-0018300 (18" x 30") (457mm x 762mm).
4. Size: 7B1-0018360 (18" x 36") (457mm x 914mm).
5. Size: 7B1-0024360 (24" x 36") (610mm x 914mm).
6. Size: 7B1-2018300 (18" x 30" with shelf) (457mm x 762mm with shelf).
7. Size: 7B1-2018360 (18" x 36" with shelf) (457mm x 914mm with shelf).
8. Size: 7B1-2024360 (24" x 36" with shelf) (610mm x 914mm with shelf).

2.5 TOWEL DISPENSERS

A. Paper Towel Dispenser (**PTD-#**):

1. Basis of Design: Bradley Corp., Model 2B1.
2. Description: Surface-mounted towel dispenser. High quality and style. 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Welded, pill-shape construction. Red, low-level indicator provides notice that refill is needed. Integral, easy-feed towel guide liner. BradLock™ system and magnetic key provide security, a seamless design, and easy access for service. Magnetic lock location is hidden from view behind the Bradley logo.
3. Size: 2B1-113400 (Surface-mounted small capacity).
 - a. Capacity: Approximately 400 folded paper towels.
4. Size: 2B1-110000 (Surface-mounted medium capacity).
 - a. Capacity: Approximately 500 folded paper towels.
5. Size: 2B1-113600 (Surface-mounted large capacity).
 - a. Capacity: Approximately 800 folded paper towels.

2.6 WASTE RECEPTACLES

A. Recessed Waste Receptacle (**WR-#**):

1. Basis of Design: Bradley Corp., Model 3B1.
2. Description: Recessed waste receptacle. High quality and style. 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Welded, D-shape construction. Bag retention ring holds liners in place and can serve as a handle.
3. Type: 3B1-003400 (Recessed small capacity 8 gallon).
 - a. Size: 26-9/16" H x 16-9/16" W x 8-11/16" D (675mm x 420mm x 220mm).
4. Type: 3B1-000000 (Recessed medium capacity 12 gallon).
 - a. Size: 35-9/16" H x 16-9/16" W x 8-11/16" D (904mm x 420mm x 220mm).
5. Type: 3B1-003600 (Recessed Large capacity 18 gallon).
 - a. Size: 35-9/16" H x 16-9/16" W x 12-11/16" D (904mm x 420mm x 321mm).

B. Semi-recessed Waste Receptacle (**WR-#**):

1. Basis of Design: Bradley Corp., Model 3B1.
2. Description: Semi-recessed waste receptacle. High quality and style. 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Welded, D-shape construction. Bag retention ring holds liners in place and can serve as a handle.
3. Type: 3B1-103400 (Semi-recessed small capacity 8 gallon).
 - a. Size: 26-9/16" H x 16-9/16" W x 8-11/16" D (675mm x 420mm x 220mm).
4. Type: 3B1-100000 (Semi-recessed medium capacity 12 gallon).
 - a. Size: 35-9/16" H x 16-9/16" W x 8-11/16" D (904mm x 420mm x 220mm).
5. Type: 3B1-103600 (Semi-recessed large capacity 18 gallon).
 - a. Size: 35-9/16" H x 16-9/16" W x 12-11/16" D (904mm x 420mm x 321mm).

C. Surface-mounted Waste Receptacle (**WR-#**):

1. Basis of Design: Bradley Corp., Model 3B1.
2. Description: Surface-mounted waste receptacle. High quality and style. 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Welded, pill-shape construction. Bag retention ring holds liners in place and can serve as a handle.
3. Type: 3B1-113400 (Surface-mounted small capacity 10 gallon).
 - a. Size: 13-5/16" H x 17" W x 12-3/4" D (338mm x 432mm x 324mm).
4. Type: 3B1-110000 (Surface-mounted medium capacity 14 gallon).
 - a. Size: 18-13/16" H x 17" W x 12-3/4" D (478mm x 432mm x 324mm).
5. Type: 3B1-113600 (Surface-mounted large capacity 18 gallon).
 - a. Size: 23-5/16" H x 17" W x 12-3/4" D (592mm x 432mm x 324mm).

2.7 COMBINATION UNITS

A. Towel/Waste Combination Unit (**CMBI-#**):

1. Basis of Design: Bradley Corp., Model 2B5.
2. Description: Surface-mounted towel and waste receptacle combination unit. High quality and style. 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Welded, pill-shape construction. Bag retention ring holds liners in place and can serve as a handle. 20-gauge stainless steel connecting plate protects walls and makes cleaning easier. Concealed BradLock™ magnetic locking system.
3. Size: 2B5-113400 (Surface-mounted small capacity).
 - a. Towel Dispenser: Approximately 400 folded paper towels.
 - b. Waste Receptacle: 10 gallon (38 L).
4. Size: 2B5-110000 (Surface-mounted medium capacity).
 - a. Towel Dispenser: Approximately 500 folded paper towels.
 - b. Waste Receptacle: 14 gallon (53 L).
5. Size: 2B5-113600 (Surface-mounted large capacity).
 - a. Towel Dispenser: Approximately 800 folded paper towels
 - b. Waste Receptacle: 18 gallon (68 L).

2.8 HAND DRYERS

A. Sensored Hand Dryer (**HND-#**):

1. Basis of Design: Bradley Corp., Model 2B4.
2. Description: ADA slim profile, surface-mounted hand dryer shall be constructed from 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Welded mounting frame for added strength. Hand dryer shall operate at 72–78 dB with an air speed of 70–82 m/s. Hand dryer shall be equipped with a carbon filter set, as well as a 3M Filtrete™ filter set. Dryer shall have an adjustable motor wattage from 325 to 500W. Dryer shall have a dedicated circuit with a minimum of 15A and be properly grounded. Dryer shall be equipped with motor thermal protection, and heater thermal protection. UL and CE compliant components.
3. Size: 8.5" H x 12.5" W x 3.9" D (216mm x 318mm x 100mm).
4. Power Source: 110 Volts.
5. Power Source: 240 volts.

2.9 SOAP DISPENSERS

- A. Construction - Features
 1. Concealed magnetic locking system with magnetic key.
 2. High visibility low-level indicator to alert staff when attention is needed.
 3. Anti-slam operation to prevent an open dispenser from damaging walls or dispenser when being opened for refilling.

- B. Sensored Hand Soap Dispensers (**HSD-#**):
 1. Basis of Design: Bradley Corp., Model 6B1.
 2. Description: Surface-mounted sensored soap dispenser shall be fabricated of 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Dispenser shall have completely concealed mounting and low-level indicator. Capacity is 40-oz liquid soap/gel sanitizer or bulk foam soap. Mounting hardware is not included.
 3. Size: 18-1/16" H x 6-7/8" W x 3-15/16" D (273mm x 279mm x 102mm).
 4. Type: 6B1-119300 (Surface-mounted sensored, liquid soap dispenser).
 5. Type: 6B1-119373 (Surface-mounted sensored, foam soap dispenser).
 - a. Provide with drip tray.

- C. Surface-mounted Manual Hand Soap Dispensers (**HSD-#**):
 1. Basis of Design: Bradley Corp., Model 6B1.
 2. Description: Manually-activated mechanism dispenses measured amount of vegetable or coconut oil soaps, synthetic detergents, gel sanitizer, or foam soap. Red, low-level indicator provides notice that refill is needed. BradLock system and magnetic key provide security, a seamless design, and easy access for service. Magnetic lock location is hidden from view behind the Bradley logo.
 3. Size: 18-1/16" H x 6-7/8" W x 3-15/16" D (273mm x 279mm x 102mm).
 4. Type: 6B1-110000 (Surface-mounted manual, liquid soap dispenser).
 5. Type: 6B1-110073 (Surface-mounted manual, foam soap)
 - a. Provide with drip tray.

- D. Recess-Mounted Manual Hand Soap Dispensers (**HSD-#**):
 1. Basis of Design: Bradley Corp., Model 6B1.
 2. Description: Manually-activated mechanism dispenses measured amount of vegetable or coconut oil soaps, synthetic detergents, gel sanitizer, or foam soap. Red, low-level indicator provides notice that refill is needed. BradLock system and magnetic key provide security, a seamless design, and easy access for service. Magnetic lock location is hidden from view behind the Bradley logo.
 3. Size: 18-9/16" H x 7" W x 4-1/4" D (472mm x 178mm x 108mm). Dispenser protrudes 3/4 inch (19 mm).
 4. Type: 6B1-000000 (Recessed manual, liquid soap).
 5. Type: 6B1-000073 (Recessed manual, foam soap).

2.10 GRAB BARS

- A. Grab Bars (**GB-#**):
 1. Basis of Design: Bradley Corp., Model 8B1.
 2. Description: Oval grab bar shall be fabricated of 18-gauge, 300 series stainless steel in a brushed #3 satin finish with welded end caps. Optional hooks shall be fabricated of 14-gauge, 300 series stainless steel in a brushed #3 satin finish.
 3. Size: 8B1-0011800 (18" length) (457mm length).
 4. Size: 8B1-0011896 (18" length with hooks) (457mm length with hooks).
 5. Size: 8B1-0012400 (24" length) (610mm length).
 6. Size: 8B1-0012496 (24" length with hooks) (610 length with hooks).
 7. Size: 8B1-0013600 (36" length) (914mm length).
 8. Size: 8B1-0013696 (36" length with hooks) (914mm length with hooks).
 9. Size: 8B1-0014200 (42" length) (1066mm length).
 10. Size: 8B1-0014296 (42" length with hooks) (1066mm length with hooks).
 11. Size: 8B1-0014800 (48" length) (1219mm length).
 12. Size: 8B1-0014896 (48" length with hooks) (1219mm length with hooks).

2.11 TOILET PAPER DISPENSERS

A. Toilet Paper Dispensers (**TPD-#**):

1. Basis of Design: Bradley Corp., Model 5B2.
2. Description: Surface-mounted or recessed toilet paper dispenser. Single roll up to 5-1/4" diameter in standard roll dispenser with drop-down, roll-in-reserve. Rolls mounted on non-removable molded polyethylene spindles. Equipped with bottom-hinged service door. BradLock system and magnetic key provide security, a seamless design, and easy access for service. Magnetic lock location is hidden from view behind the Bradley logo.
3. 20-gauge, 300 series stainless steel in brushed #3 satin finish on exposed surfaces.
4. Type: 5B2-000000 (Recessed, dual roll).
 - a. 7-5/8" W x 12-1/2" H x 5-9/16" D (193mm x 318mm x 142mm).
5. Type: 5B2-110000 (Surface-mounted, dual roll).
 - a. 5-11/16" W x 10-1/2" H x 5-9/16" D (144mm x 266mm x 142mm).

2.12 SEAT COVER DISPENSERS

A. Seat Cover Dispenser (**SCD-#**):

1. Basis of Design: Bradley Corp., Model 5B1.
2. Description: Surface-mounted and recessed seat cover dispensers shall be fabricated of 20-gauge, 300 series stainless steel in a brushed #3 satin finish. Large capacity dispensers have door with piano hinge and BradLock magnetic locking system. BradLock system and magnetic key provide security, a seamless design, and easy access for service. Magnetic lock location is hidden from view behind the Bradley logo.
3. Welded, pill-shape construction. Capacity of medium (250) or large (500) toilet seat covers.
4. Type: 5B1-003600 (Recessed, large capacity).
 - a. Size: 11" H x 15-3/4" W x 2" D (279mm x 400mm x 50mm).
5. Type: 5B1-110000 (Surface-mounted, medium capacity).
 - a. Size: 11-15/16" H x 15-3/4" W x 2-7/16" D (304mm x 400mm x 62mm).
6. Type: 5B1-113600 (Surface-mounted, large capacity).
 - a. 14" H x 17-3/8" W x 2-7/16" D (355mm x 441mm x 62mm).

2.13 NAPKIN DISPOSALS

A. Sanitary Napkin Disposal (**SND-#**):

1. Basis of Design: Bradley Corp., Model 4B2.
2. Type: 4B2-000000 (Recessed).
3. Description: Recessed napkin/tampon disposal unit with self-trimming design. Capacity 1.5 gal (0.2 cu. ft.). Equipped with push flap door with concealed hinges, hinged drop-down service door with BradLock system, and removable, leak-proof waste container. Formed from 20-gauge, 300 series stainless steel in a brushed #3 satin finish. High visibility low-level indicator to alert staff when attention is needed. BradLock system and magnetic key provide security, a seamless design, and easy access for service. Magnetic lock location is hidden from view behind the Bradley logo.
 - a. Size: 17-3/16" H x 13-5/16" W x 4-11/16" D (437mm x 338mm x 119mm).
4. Type: 4B2-110000 (Surface-mounted).
5. Description: Surface-mounted napkin/tampon disposal unit. Capacity 1.5 gal (0.2 cu. ft.). Equipped with hinged cover; accepts owner's disposable liners. Formed from 20-gauge, 300 series stainless steel in a brushed #3 satin finish. High visibility low-level indicator to alert staff when attention is needed.
 - a. Size: 11-1/16" H x 10-3/4" W x 4" D (281mm x 273mm x 102mm).

2.14 HOOKS

A. Wall Hook (**WH-#**):

1. Basis of Design: Bradley Corp., Model 9B1.

2. Description: Surface-mounted hook shall be fabricated of 14-gauge, 300 series stainless steel in a brushed #3 satin finish. Fasteners, set screws, and hex key included. 50 lbs. load rating.
3. Type: 9B1-110000 (Single hook). 2-3/4" H x 1-3/16" W x 1-11/16" D (69mm x 30mm x 42mm).
4. Type: 9B1-110200 (Double hook). 5-3/8" H x 1-3/16" W x 1-3/4" D (136mm x 30mm x 44mm).

2.15 SHELVES

A. Shelves (**SHLF- #**):

1. Basis of Design: Bradley Corp., Model 7B2.
2. Description: Top and back of surface-mounted shelf shall be fabricated of 20-gauge, 300 series stainless steel in a brushed #3 satin finish and has an integral back mounting plate. Front and sides shall be fabricated of 18-gauge, 300 series stainless steel in a brushed #3 satin finish. All exposed surfaces in architectural satin finish. Optional hooks for holding personal items are available. Two hooks are constructed of 20-gauge, 300 series stainless steel in a brushed #3 satin finish.
3. Size: 7B2-0051200 (5" depth, 12" length) (127mm x 305mm).
4. Size: 7B2-0081200 (8" depth, 12" length) (203mm x 305mm).
5. Size: 7B2-0051296 (5" depth, 12" length with hooks) (127mm x 305mm).
6. Size: 7B2-0081296 (8" depth, 12" length with hooks) (203mm x 305mm).
7. Size: 7B2-0051800 (5" depth, 18" length) (127mm x 457mm).
8. Size: 7B2-0081800 (8" depth, 18" length) (203mm x 457mm).
9. Size: 7B2-0051896 (5" depth, 18" length with hooks). (127mm x 457mm)
10. Size: 7B2-0081896 (8" depth, 18" length with hooks) (203mm x 457mm).
11. Size: 7B2-0052400 (5" depth, 24" length) (127mm x 610mm).
12. Size: 7B2-0082400 (8" depth, 24" length) (203mm x 610mm).
13. Size: 7B2-0052496 (5" depth, 24" length with hooks) (127mm x 610mm).
14. Size: 7B2-0082496 (8" depth, 24" length with hooks) (203mm x 610mm).

2.16 MATERIALS

- A. Stainless Steel: ASTM A 666 Type 304 (18-8); satin finish exposed surfaces unless otherwise indicated.
- B. Fasteners:
 1. Exposed: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant.
 2. Concealed: Galvanized steel.
- C. Chrome Plating: ASTM B 456, Service Condition Number SC 2, moderate service.
- D. Mirrors: ASTM C 1503, mirror glazing quality, consisting of clear float glass ASTM C 1036, nominal 6.0 mm thick, triple silver plated with electro copper plated layer and thermosetting, infrared cured paint backing with epoxy protective finish.
- E. ABS Plastic: Acrylonitrile-butadiene-styrene resin formulation.

2.17 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 with corrosion-resistant backing plates.
- B. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to Owner's representative.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install supports attached to building structure for equipment requiring supports.
- B. Grab Bars: Install grab bars to withstand downward force of not less than 250 lbf (1112 N) per ASTM F 446.
- C. Install equipment level, plumb, and firmly in place in accordance with manufacturer's rough-in drawings.

3.2 CLEANING AND PROTECTION

- A. Repair or replace defective work, including damaged equipment and components.
- B. Clean unit surfaces, and leave in ready-to-use condition.
- C. Turn over keys, tools, maintenance instructions, and maintenance stock to Owner.

3.3 TESTING AND ADJUSTING

- A. Test each piece of equipment provided with moving parts to assure proper operation, freedom of movement, and alignment.
- B. Repair or replace malfunctioning equipment, or equipment with parts that bind or are misaligned.

END OF SECTION