

BRADLEY COMMERCIAL SOAP DISPENSERS AND FAUCETS

Bradley Corporation, the industry's leading manufacturer of premium quality lavatory soap dispensers and faucets, 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, 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, the Wisconsin Green Building Alliance, has several products earning certification by Greenguard Environmental Institute, and 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.

Bradley is the industry leader in the manufacture of premium quality commercial plumbing fixtures, valves, TMVs and washroom accessories that appear in the following CSI MasterFormat 2004™ Sections:

Section 10 21 13 – Toilet Compartments (Mills Metal, Plastic-laminate, Phenolic, and Plastic units) Section 10 28 13.13 – Commercial Toilet Accessories

Section 10 28 13.15 – Hand and Hair Dryers

Section 10 28 13.63 – Detention Toilet Accessories

Section 10 51 26.00 – Plastic Lockers (Lenox Plastic Lockers)

Section 10 51 26.13 – Plastic Lockers (Lenox Recycled Plastic lockers)

Section 22 11 19 – Domestic Water Piping Specialties (Thermostatic mixing valves)

Section 22 42 16.01 – Commercial Lavatories and Faucets (Single and multi-station lavatory systems)

Section 22 42 16.02 – Commercial Lavatories and Faucets (Bradley Advocate Lavatory System) Section 22

42 16.03 – Commercial Lavatories and Faucets (Bradley Verge Lavatory System)

Section 22 42 16.11 – Commercial Sinks and Faucets Section 22 42 23 – Commercial Showers and Shower Valves Section 22 42 33 – Wash Fountains

Section 22 43 00 – Healthcare Plumbing Fixtures (Patient care lavatory units)

Section 22 45 00 – Emergency Plumbing Fixtures (**Emergency Eyewash Fixtures and Drench Showers**) Section 22 46 00 – Security Plumbing Fixtures

Contact Bradley Corporation, Menomonee Falls, WI 53051; Phone: 800-BRADLEY ((800)272-3539) Fax: (262)251-5817, or visit the Bradley web site www.bradleycorp.com.

Bradley Corporation is an AIA/CES registered provider currently offering five programs earning one (1) HS&W Learning Unit each; several qualify for sustainable design (SD) credit. All active AIA members must successfully complete 18 learning unit (LU) hours each year.

SECTION 22 42 39

Specifier: Revise section title here and in footer if soap dispensers are not included in the scope of the section.

COMMERCIAL [SOAP DISPENSERS AND]FAUCETS

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

Specifier: This section specifies touch-free soap dispensers and faucets that are style matched from Verge Design Series. Coordination is needed with section 10 28 00 - Toilet, Bath and Laundry Accessories where commodity soap dispensers are typically specified. Cross reference is required in section 10 28 00 when soap dispensers are to match the Verge Design Series of faucet specified in this section. Delete section scope not required.

- A. Commercial matching designs touch-free soap dispensers and faucets that integrate with lavatories.
- B. Commercial faucet that integrate with matching design touch-free soap dispensers and lavatories.

1.3 RELATED SECTIONS

Specifier: Delete any paragraphs below that do not apply to this project.

Specifier: Bradley 10 28 13.13 – Commercial Toilet Accessories (Verge).

- A. Division 10 Section "Toilet, Bath and Laundry Accessories" for matching design soap dispensers.

Specifier: Bradley 22 42 16.01 – Commercial Lavatories and Faucets (Express Terreon solid surface)

Specifier: Bradley 22 42 16.03 – Commercial Lavatories and Faucets (Verge Evero natural quartz)

Specifier: Bradley 22 42 16.04 – Omnideck Lavatory Decks and Faucets (Omnideck Terreon solid surface)

- B. Division 22 Section "Commercial Lavatories and Faucets" for quartz and solid surface wash basins.
- C. Division 22 Section "Domestic Water Piping Specialties" for thermostatic mixing valves.
- D. Division 22 Section "Healthcare Plumbing Fixtures" for healthcare faucets.

- E. Division 22 Section "Emergency Plumbing Fixtures" for emergency fixtures.
- F. Division 22 Section "Security Plumbing Fixtures" for security fixtures.

1.4 REFERENCES:

- A. American National Standards Institute (ANSI):
- B. American Society of Mechanical Engineers (ASME):
 - 1. ASME A112.18.1 Plumbing Supply Fittings.

GREENGUARD Environment Institute is an ANSI Authorized Standards Developer that oversees the GREENGUARD certification program. GEI establishes acceptable indoor air standards for indoor products, environments, and buildings.

- C. GREENGUARD Environmental Institute (GEI):
 - 1. GREENGUARD listed and certified low emitting products.
- D. International Association of Plumbing and Mechanical Officials (IAPMO):
 - 1. Universal Plumbing Code (cUPC both U.S. and Canada).
- E. National Fire Protection Association (NFPA):
 - 1. NFPA 70 – National Electrical Code.
- F. Public Law 102-486, Energy Policy Act, requires that public lavatories manufactured after December 31, 1996, have flow rate or consumption not greater than 0.5 gpm (1.5 L/min.) or 0.25 gal. (0.95 L) per metering cycle.
- G. State of Texas:
 - 1. Texas Accessibility Standards (TAS).
- H. US Federal Government:
 - 1. Public Law 102-486 - Energy Policy Act. 1992.
 - 2. U.S. Architectural & Transportation Barriers Compliance Board. Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG).

1.5 ACTION SUBMITTALS

- A. Product Data: For each product:
 - 1. Manufacturer's data sheets indicating operating characteristics, materials and finishes.
 - 2. Include details of electrical and mechanical operating parts.
 - 3. Provide mounting requirements and rough-in dimensions.
 - 4. Mark each sheet with product drawing designation.

Specifier: LEED. Delete if not required

- B. LEED Submittals:
 - 1. Product Data for [Credit WE 2][.and][Credit WE 3]: Documentation indicating compliance with requirements.

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.

1.8 QUALITY ASSURANCE

- A. Laminar-Flow, Faucet-Spout Outlets:
 - 1. NSF Standard: Comply with NSF 372 for faucet-spout outlet materials that will be in contact with potable water.
 - 2. Description: Chrome-plated-brass, faucet-spout outlet that produces non-aerating, laminar stream. Include external or internal thread that mates with faucet outlet for attachment to faucets where indicated and flow-rate range that includes flow of faucet.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- C. Comply with Public Law 102-486, Energy Policy Act.

Specifier: As of January 4, 2014, the Safe Drinking Water Act (SDWA) requires drinking water products sold or installed for use in public water systems, as well as plumbing in facilities, to meet a weighted average of not more than 0.25 percent lead.

- D. Comply with NSF 372, Drinking Water System Components – Health Effects.
 - 1. Product shall meet a weighted average of not more than 0.25 percent lead as required by the U.S. Safe Drinking Water Act.

1.9 WARRANTY

- A. Special Manufacturer’s Warranty: Provide manufacturer's standard form in which manufacturer agrees to repair or replace products that fail in materials or workmanship.
 - 1. Soap Dispenser: Three years.
 - 2. Faucets: Three years.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

Specifier: Delete soap dispensers if not required.

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Verge Design Series commercial faucets [and soap dispensers]manufactured by Bradley Corporation, Menomonee Falls, WI 53051, (800)272-3539, fax (262)251-5817; Email info@BradleyCorp.com; Website www.bradleycorp.com.

Specifier: Retain one of three paragraphs below based upon Project requirements.

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.

Specifier: Retain this paragraph below when matching verge soap dispensers are specified in 10 28 00 - Toilet, Bath and Laundry Accessories.

3. Provide specified product; Owner will not consider substitution requests.

2.2 FAUCETS

- A. Deck Mounted Faucet – General:
1. Touch free dual sensor activation.
 2. Compliance and Certifications:
 - a. ADA ANSI/ICC A117.1, Citation 609.3.
 - b. IAPMO
 - c. ASME A112.18.1/CSA B125.1.
 - d. NSF/ANSI 372 – Lead Free.
 - e. NSF/ANSI 61.
 - f. UL electrical components.
 - g. cUPC.
 - h. CE electrical components.
 3. Vandal-resistant construction shall include concealed sensor package, durable finish, and anti-rotational gasket/washer.
 4. In-line filter supplied with either mixing assembly or tempered line assembly to trap debris.
 5. Operation: Dual sensors utilizing time of flight and diffuse reflective sensors.
 - a. Operating Water Pressure Range: 20 to 125 psi.
 - b. Faucet activates water flow only when user's hands enter the infrared detection zone.
 - c. Faucet turns off after user's hands are removed from the lavatory bowl area.
 - d. Eleven (11) second run time (with or without hands under sensor). Manually set run time using control module (4s, 11s, 15s, 30s, 60s, 180s with or without auto system rinse).
 - e. Sixty (60) second auto system rinse every 24 hours. Option for sanitary manual flush.

Specifier: Select either chrome finish or PVD finish. Delete chrome finish if not required.

6. Chrome Finish: "PC" Polished Chrome.

Specifier: Physical Vapor Deposition is an intricate, environmentally friendly finishing process that molecularly bonds the finish to the faucet, creating a very hard, durable surface that will not corrode, discolor, or tarnish. Delete PVD finishes if not required.

7. Physical Vapor Deposition (PVD) Finish: "BB" Brushed Black Stainless.
8. Physical Vapor Deposition (PVD) Finish: "BS" Brushed Stainless.
9. Physical Vapor Deposition (PVD) Finish: "BZ" Brushed Bronze.

10. Physical Vapor Deposition (PVD) Finish: "BR" Brushed Brass.
11. Physical Vapor Deposition (PVD) Finish: "BN" Brushed Nickel.

Specifier: Refined high arc design pairs with soap model 6-3100 and integrates seamlessly with Bradley lavatories. Touch-free, dual-sensor activation with time of flight and diffuse reflective sensors that work in tandem to detect and confirm the user's presence, eliminating false activations. Battery pack standard or optional AC adapter with battery back-up. Faucet shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Low-flow laminar device options available to conserve water. Vandal-resistant construction includes concealed sensor package, vandal-resistant laminar flow device, durable PVD finish options, and anti-rotational locking nut. Delete if not required.

B. Electronic Lavatory Faucets:

1. Sensor-Operated, High-Arc Profile Metering Faucet with Infrared Control **FCT#:** Vandal-resistant accessible faucet meeting ASME A112.18.1/CSA B125. ADA/ANSI A117.1 compliant.
 - a. Basis of Design Manufacturer/Model: **Bradley Verge, Crestt Series, Model S53-3100.**
 - b. Body: Commercial solid cast brass.
 - c. Water Supply: [Tempered Line Assembly (Supply Hose and Shut-Off Included)][Navigator Thermostatic Mixing Assembly (Supply Hose and Shut-Off Included)].
 - d. Flow Type: [0.35 gpm Silicone Tip, multiple individual laminar flow streams][0.5 gpm Silicone Tip, multiple individual laminar flow streams].

Specifier: Delete if not required.

- e. Drain Strainer: Finish to match.
- f. Sensor Module: Water-conserving, vandal-resistant dual sensors utilizing time of flight and diffuse reflective sensors with timing turn-off delay and stationary object automatic timed cutoff.

Specifier: Delete power supply not required.

- g. Power Supply: 120VAC/6VDC, 50/60Hz plug-in transformer adapter with battery back-up. 4x AA batteries (included). Low battery indicator on spout.

Specifier: Splitter kit powers up to four faucets or combination of four faucets and soap dispensers.

- h. Power Supply: Provide power supply "splitter" for 2, 3 or 4 faucets as required. Provide 14 feet extension power cable as required.

Specifier: Refined, cylindrical design pairs with soap model 6-3300 and integrates seamlessly with Bradley lavatories. Touch-free, dual-sensor activation with time of flight and diffuse reflective sensors that work in tandem to detect and confirm the user's presence, eliminating false activations. Battery pack standard or optional AC adapter with battery back-up. Faucet shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Low-flow laminar device options available to conserve water. Vandal-resistant construction includes concealed sensor package, vandal-resistant laminar flow device, durable PVD finish options, and anti-rotational locking nut. Delete if not required.

C. Electronic Lavatory Faucets:

1. Sensor-Operated, Tubular Design Metering Faucet with Infrared Control **FCT#:** Vandal-resistant accessible faucet meeting ASME A112.18.1/CSA B125. ADA/ANSI A117.1 compliant.
 - a. Basis of Design Manufacturer/Model: **Bradley Verge, Metro Series, Model S53-3300.**
 - b. Body: Commercial solid cast brass.

- c. Water Supply: [Tempered Line Assembly (Supply Hose and Shut-Off Included)][Navigator Thermostatic Mixing Assembly (Supply Hose and Shut-Off Included)].
- d. Flow Type: [0.35 gpm Silicone Tip, multiple individual laminar flow streams][0.5 gpm Silicone Tip, multiple individual laminar flow streams].

Specifier: Delete if not required.

- e. Drain Strainer: Finish to match.
- f. Sensor Module: Water-conserving, vandal-resistant dual sensors utilizing time of flight and diffuse reflective sensors with timing turn-off delay and stationary object automatic timed cutoff.

Specifier: Delete power supply not required.

- g. Power Supply: 120VAC/6VDC, 50/60Hz plug-in transformer adapter with battery back-up. 4x AA batteries (included). Low battery indicator on spout.

Specifier: Splitter kit powers up to four faucets or combination of four faucets and soap dispensers.

- h. Power Supply: Provide power supply "splitter" for 2, 3 or 4 faucets as required. Provide 14 feet extension power cable as required.

Specifier: Sleek lines and curved-edge design pairs with soap model 6-3500 and integrates seamlessly with Bradley lavatories. Touch-free, dual-sensor activation with time of flight and diffuse reflective sensors that work in tandem to detect and confirm the user's presence, eliminating false activations. Battery pack standard or optional AC adapter with battery back-up. Faucet shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Low-flow laminar device options available to conserve water. Vandal-resistant construction includes concealed sensor package, vandal-resistant laminar flow device, durable PVD finish options, and anti-rotational locking nut. Delete if not required.

D. Electronic Lavatory Faucets:

- 1. Sensor-Operated, Tubular Design Metering Faucet with Infrared Control **FCT#:** Vandal-resistant accessible faucet meeting ASME A112.18.1/CSA B125. ADA/ANSI A117.1 compliant.
 - a. Basis of Design Manufacturer/Model: **Bradley Verge, Linea Series, Model S53-3500.**
 - b. Body: Commercial solid cast brass.
 - c. Water Supply: [Tempered Line Assembly (Supply Hose and Shut-Off Included)][Navigator Thermostatic Mixing Assembly (Supply Hose and Shut-Off Included)].
 - d. Flow Type: [0.35 gpm Silicone Tip, multiple individual laminar flow streams][0.5 gpm Silicone Tip, multiple individual laminar flow streams].

Specifier: Delete if not required.

- e. Drain Strainer: Finish to match.
- f. Sensor Module: Water-conserving, vandal-resistant dual sensors utilizing time of flight and diffuse reflective sensors with timing turn-off delay and stationary object automatic timed cutoff.

Specifier: Delete power supply not required.

- g. Power Supply: 120VAC/6VDC, 50/60Hz plug-in transformer adapter with battery back-up. 4x AA batteries (included). Low battery indicator on spout.

Specifier: Splitter kit powers up to four faucets or combination of four faucets and soap dispensers.

- h. Power Supply: Provide power supply "splitter" for 2, 3 or 4 faucets as required. Provide 14 feet extension power cable as required.

Specifier: Sleek design pairs with soap model 6-3700 and integrates seamlessly with Bradley lavatories. Touch-free, dual-sensor activation with time of flight and diffuse reflective sensors that work in tandem to detect and confirm the user's presence, eliminating false activations. Battery pack standard or optional AC adapter with battery back-up. Faucet shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Low-flow laminar device options available to conserve water. Vandal-resistant construction includes concealed sensor package, vandal-resistant laminar flow device, durable PVD finish options, and anti-rotational locking nut. Delete if not required.

E. Electronic Lavatory Faucets:

1. Sensor-Operated, Tubular Design Metering Faucet with Infrared Control **FCT#:** Vandal-resistant accessible faucet meeting ASME A112.18.1/CSA B125. ADA/ANSI A117.1 compliant.
 - a. Basis of Design Manufacturer/Model: **Bradley Verge, Zen Series, Model S53-3700.**
 - b. Body: Commercial solid cast brass.
 - c. Water Supply: [Tempered Line Assembly (Supply Hose and Shut-Off Included)][Navigator Thermostatic Mixing Assembly (Supply Hose and Shut-Off Included)].
 - d. Flow Type: [0.35 gpm Silicone Tip, multiple individual laminar flow streams][0.5 gpm Silicone Tip, multiple individual laminar flow streams].

Specifier: Delete if not required.

- e. Drain Strainer: Finish to match.
- f. Sensor Module: Water-conserving, vandal-resistant dual sensors utilizing time of flight and diffuse reflective sensors with timing turn-off delay and stationary object automatic timed cutoff.

Specifier: Delete power supply not required.

- g. Power Supply: 120VAC/6VDC, 50/60Hz plug-in transformer adapter with battery back-up. 4x AA batteries (included). Low battery indicator on spout.

Specifier: Splitter kit powers up to four faucets or combination of four faucets and soap dispensers.

- h. Power Supply: Provide power supply "splitter" for 2, 3 or 4 faucets as required. Provide 14 feet extension power cable as required.

Specifier: This section specified touch-free soap dispensers and faucets that are style matched from several design series. Coordination is needed with section 10 28 00 - Toilet, Bath and Laundry Accessories where commodity soap dispensers are typically specified. Cross reference is required in section 10 28 00 when soap dispensers are specified in this section.

Specifier: Delete soap dispensers if not required.

2.3 SOAP DISPENSERS

A. Deck Mounted Soap Dispenser – General:

1. Touch free infrared sensor-operated.
2. Multi-station system shall supply up to six soap dispensers.
3. Compliance and Certifications:
 - a. ADA / ICC ANSI A117.1, Citation 609.4.
 - b. UL electrical components.
 - c. CE electrical components.
4. Vandal-resistant construction shall include concealed sensor package, durable finish, and anti-rotational gasket/washer.

Specifier: Select either chrome finish or PVD finish. Delete chrome finish if not required.

5. Chrome Finish: "PC" Polished Chrome.

Specifier: Physical Vapor Deposition is an intricate, environmentally friendly finishing process that molecularly bonds the finish to the faucet, creating a very hard, durable surface that will not corrode, discolor, or tarnish. Delete PVD finishes if not required.

6. Physical Vapor Deposition (PVD) Finish: "BB" Brushed Black Stainless.
7. Physical Vapor Deposition (PVD) Finish: "BS" Brushed Stainless.
8. Physical Vapor Deposition (PVD) Finish: "BZ" Brushed Bronze.
9. Physical Vapor Deposition (PVD) Finish: "BR" Brushed Brass.
10. Physical Vapor Deposition (PVD) Finish: "BN" Brushed Nickel.

Specifier: Refined high arc design pairs with faucet model S53-3100 and integrates seamlessly with Bradley lavatories. The dispenser is available with an individual or multi-feed top-fill tank that is compatible with bulk foam or liquid soap. The multi-feed station system supplies soap to up to 6 soap dispensers. Activation through a touch-free infrared sensor that pairs seamlessly with Bradley's faucet dual sensor technology to eliminate false activations and maximize battery life. Dispenser shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Vandal-resistant construction includes concealed sensor package, durable PVD finish options, and anti-rotational gasket/washer. Delete if not required.

- B. Sensored Soap Dispenser: Deck-mounted, sensor-operated, cast brass, with LED battery and soap level indicators, [with battery box and batteries. 70.5 oz (2080 mL) capacity bottle.] [with single dispenser 120VAC powerpack. 70.5 oz (2080 mL) capacity bottle.] [with maximum of 6 dispenser 120VAC powerpack. Multi-feed Tank: 166.5 oz (5026 ml).]
 1. Basis of Design Manufacturer/Model: **Bradley Verge Deck-Mounted Soap Dispenser, Crestt Series, Model 6-3100.**

Specifier: Refined, cylindrical design pairs with faucet model S53-3300 and integrates seamlessly with Bradley lavatories. The dispenser is available with an individual or multi-feed top-fill tank that is compatible with bulk foam or liquid soap. The multi-feed station system supplies soap to up to 6 soap dispensers. Activation through a touch-free infrared sensor that pairs seamlessly with Bradley's faucet dual sensor technology to eliminate false activations and maximize battery life. Dispenser shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Vandal-resistant construction includes concealed sensor package, durable PVD finish options, and anti-rotational gasket/washer. Delete if not required.

- C. Sensored Soap Dispenser: Deck-mounted, sensor-operated, cast brass, with LED battery and soap level indicators, [with battery box and batteries. 70.5 oz (2080 mL) capacity bottle.] [with single dispenser 120VAC powerpack. 70.5 oz (2080 mL) capacity bottle.] [with maximum of 6 dispenser 120VAC powerpack. Multi-feed Tank: 166.5 oz (5026 ml).]
 1. Basis of Design Manufacturer/Model: **Bradley Verge Deck-Mounted Soap Dispenser, Metro Series, Model 6-3300.**

Specifier: Sleek lines and curved edges design pairs with faucet model S53-3500 and integrates seamlessly with Bradley lavatories. The dispenser is available with an individual or multi-feed top-fill tank that is compatible with bulk foam or liquid soap. The multi-feed station system supplies soap to up to 6 soap dispensers. Activation through a touch-free infrared sensor that pairs seamlessly with Bradley's faucet dual sensor technology to eliminate false activations and maximize battery life. Dispenser shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Vandal-resistant construction includes concealed sensor package, durable PVD finish options, and anti-rotational gasket/washer. Delete if not required.

- D. Sensored Soap Dispenser: Deck-mounted, sensor-operated, cast brass, with LED battery and soap level indicators, [with battery box and batteries. 70.5 oz (2080 mL) capacity bottle.] [with

single dispenser 120VAC powerpack. 70.5 oz (2080 mL) capacity bottle.] [with maximum of 6 dispenser 120VAC powerpack. Multi-feed Tank: 166.5 oz (5026 ml).]

1. Basis of Design Manufacturer/Model: **Bradley Verge Deck-mounted Soap Dispenser, Linea Series, Model 6-3500.**

Specifier: Sleek design pairs with faucet model S53-3700 and integrates seamlessly with Bradley lavatories. The dispenser is available with an individual or multi-feed top-fill tank that is compatible with bulk foam or liquid soap. The multi-feed station system supplies soap to up to 6 soap dispensers. Activation through a touch-free infrared sensor that pairs seamlessly with Bradley's faucet dual sensor technology to eliminate false activations and maximize battery life. Dispenser shall feature chrome-plated cast brass construction with optional in-stock PVD finish. Vandal-resistant construction includes concealed sensor package, durable PVD finish options, and anti-rotational gasket/washer. Delete if not required.

- E. Sensored Soap Dispenser: Deck-mounted, sensor-operated, cast bronze, with LED battery and soap level indicators,] [with battery box and batteries. 70.5 oz (2080 mL) capacity bottle.] [with single dispenser 120VAC powerpack. 70.5 oz (2080 mL) capacity bottle.] [with maximum of 6 dispenser 120VAC powerpack. Multi-feed Tank: 166.5 oz (5026 ml).]

1. Basis of Design Manufacturer/Model: **Bradley Verge Deck-Mounted Soap Dispenser, Zen Series, Model 6-3700.**

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Assemble fixtures and associated fittings and trim in accordance with manufacturer's instructions.
- B. Verify all rough-in dimensions prior to installation.

Specifier: Delete soap dispenser mounting requirements if not included in this section.

- C. Mount soap dispenser in 1-3/8 inches (35 mm) diameter hole in lavatory or countertop 1-1/2 inches (38 mm) from edge of sink. Shank will accommodate a maximum counter thickness of 1-1/2 inches (38 mm).
- D. Install water supply piping to each fixture requiring water supply connection. Provide stop on each supply in readily-serviced location. Fasten supply piping to supports or substrate.

3.2 CLEANING AND PROTECTION

- A. Repair or replace defective work, including damaged fixtures and components.
- B. Clean unit surfaces, test fixtures, and leave in ready-to-use condition.
- C. Install new batteries in battery-operated devices at time of Substantial Completion.
- D. Turn over keys, tools, maintenance instructions, and maintenance stock to Owner.

- E. Protect units with water-resistant temporary covering. Do not allow temporary use of plumbing fixtures unless approved in writing by Architect. Remove protection at Substantial Completion and dispose.

3.3 TESTING AND ADJUSTING

- A. Set field-adjustable temperature set points of temperature-actuated water mixing valves. Adjust set point within allowable temperature range.
- B. Test and adjust installation.
- C. Remove and replace malfunctioning thermostatic mixing valves and retest.

END OF SECTION