

This Product MasterSpec Section is licensed by Deltek, Inc. to Acorn Engineering; Morris Group International ("Licensee").

**This Product MasterSpec Section modifies the original MasterSpec text and does not include the full content of the original MasterSpec Section.**

Revisions made to the original MasterSpec text are made solely by the Licensee and are not endorsed by, or representative of the opinions of, Deltek or The American Institute of Architects (AIA). Neither AIA nor Deltek are liable in any way for such revisions or for the use of this Product MasterSpec Section by any end user. A qualified design professional should review and edit the document to suit Project requirements.

For more information, contact Acorn Engineering; Morris Group International, 15125 Proctor Ave., City of Industry, CA 91746; Phone: (626) 336-4561 | (800) 488-8999; Website: [www.acorneng.com](http://www.acorneng.com); Email: [dyoung@acorneng.com](mailto:dyoung@acorneng.com).

For information about MasterSpec, contact Deltek at (800) 424-5080 or visit [masterspec.com](http://masterspec.com).

## SECTION 224233 - WASH FOUNTAINS

### **TIPS:**

To view non-printing **Editor's Notes** that provide guidance for editing, click on MasterWorks/Single-File Formatting/Toggle/Editor's Notes.

To read **detailed research, technical information about products and materials, and coordination checklists**, click on MasterWorks/Supporting Information.

### **Access Product MasterSpec Sections:**

[<Double click here to view the list of manufacturer Sections available at ProductMasterSpec.com.>](#)

## PART 1 - GENERAL

### 1.1 SUMMARY

#### A. Section Includes:

1. Circular wash fountains.
2. Semicircular wash fountains.
3. Corner wash fountains.
4. Elliptical wash fountains.
5. Linear wash fountains.

#### B. Related Requirements:

1. Section 224216.13 "Commercial Lavatories."
2. Section 224216.16 "Commercial Sinks."

## 1.2 ACTION SUBMITTALS

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

1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for wash fountains.
2. Include rated capacities, operating characteristics, [ **electrical characteristics,** ] and furnished specialties and accessories.

### B. Sustainable Design Submittals:

1. Product Data: For water consumption.

### C. Shop Drawings: For each type of wash fountain.

1. Include plans, elevations, sections, and [ **mounting** ] [ **attachment** ] details.
2. Include details of equipment assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
3. Include diagrams for power, signal, and control wiring.
4. Color samples.

## 1.3 CLOSEOUT SUBMITTALS

- ### A. Operation and Maintenance Data: For wash fountains and components to include in operation and maintenance manuals.

## 1.4 MAINTENANCE MATERIAL SUBMITTALS

- ### A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Faucet Washers and O-Rings: Equal to [ **10** ] < **Insert number** > percent of quantity of each type and size installed.
2. Faucet Cartridges and O-Rings: Equal to [ **5** ] < **Insert number** > percent of quantity of each type and size installed.

## PART 2 - PRODUCTS

### 2.1 PRECAST-TERRAZZO, CIRCULAR WASH FOUNTAINS

- #### A. Wash Fountains < **Insert drawing designation** >: Precast-terrazzo, circular receptor.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:
  - a. Bradley Corporation.
  - b. **<Insert manufacturer's name>**.
2. Standard: IAPMO IGC 156.
3. 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.
4. Receptor:
  - a. Standard: IAPMO PS 99 for precast-terrazzo receptor.
  - b. Nominal Diameter: **[36 to 39 inches (914 to 990 mm)] [39 inches (990 mm)] [42 inches (1067 mm)] [54 inches (1372 mm)]**.
  - c. Height to Rim: **29 inches (737 mm)** above floor.
  - d. Color or Finish: **[Not applicable] <Insert if required>**.
  - e. Drain: Grid with **[NPS 2 (DN 50)] <Insert size>** tailpiece.
5. Spray Head:
  - a. Material: Stainless steel.
  - b. Number of Wash Stations: **[Five] [Six] [Eight]**.
  - c. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: **[Collective, foot-rail] [Individual foot-pedal] [Individual push-button] [Individual, hardwired sensor] [Individual, battery-powered sensor]** actuation with **[pressure-balancing] [thermostatic]** mixing valve complying with ASSE 1016 and having check stops; comply with NSF 61 Annex G.
  - e. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Liquid-Soap Dispensers: **[Manual] [Hardwired, sensor actuated] [Battery powered, sensor actuated] [Not required]**, for each wash station.
  - a. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
7. Pedestal: **[Manufacturer's standard] [Painted or coated steel] [Stainless steel]** with access panel.
8. Supply Fittings:
  - a. Piping: **[NPS 3/4 (DN 20)] [NPS 1 (DN 25)]** copper tubing.
  - b. Valves: Shutoff valve on each supply.
  - c. Supply Piping: From **[bottom] [top]**.
9. Waste Fittings:
  - a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: **[NPS 2 (DN 50)]**.
  - c. Vent Piping: **[Not required] [NPS 1-1/2 (DN 40) to ceiling]**.

10. Shroud: Stainless steel of size to cover supply and vent piping.
11. Mounting: Floor bracket.

## 2.2 SOLID-SURFACE, CIRCULAR WASH FOUNTAINS

### A. Wash Fountains <Insert drawing designation>: Solid-surface, circular receptor.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - a. Bradley Corporation.
  - b. Intersan Manufacturing Company.
  - c. Willoughby Industries.
  - d. <Insert manufacturer's name>.
2. Standard: IAPMO IGC 156.
3. 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.
4. Receptor:
  - a. Standard: ICPA SS-1 for solid-surface receptor.
  - b. Nominal Diameter: [36 to 39 inches (914 to 990 mm)] [39 inches (990 mm)] [42 inches (1067 mm)] [54 inches (1370 mm)].
  - c. Height to Rim: 34 inches (864 mm) above floor.
  - d. Color or Finish: [Not applicable] <Insert if required>.
  - e. Drain: Grid with [NPS 2 (DN 50)] <Insert size> tailpiece.
5. Spray Head:
  - a. Material: Stainless steel.
  - b. Number of Wash Stations: [Five] [Six] [Eight].
  - c. Spray Nozzles: At each wash station, provide 0.5 gpm (1.9 L/min.), vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: [Collective, foot-rail] [Individual foot-pedal] [Individual push-button] [Individual, hardwired sensor] [Individual, battery-powered sensor] actuation with [pressure-balancing] [thermostatic] mixing valve complying with ASSE 1016 and having check stops; comply with NSF 61 Annex G.
  - e. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Liquid-Soap Dispensers: [Manual] [Hardwired, sensor actuated] [Battery powered, sensor actuated] [Not required], for each wash station.
  - a. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
7. Pedestal: [Manufacturer's standard] [Painted or coated steel] [Stainless steel] with access panel.
8. Supply Fittings:

- a. Piping: [NPS 3/4 (DN 20)] [NPS 1 (DN 25)] copper tubing.
  - b. Valves: Shutoff valve on each supply.
  - c. Supply Piping: From [bottom] [top].
9. Waste Fittings:
- a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: [NPS 2 (DN 50)].
  - c. Vent Piping: [Not required] [NPS 1-1/2 (DN 40) to ceiling].
10. Shroud: Stainless steel of size to cover supply and vent piping.
11. Mounting: Floor bracket.

### 2.3 STAINLESS STEEL, CIRCULAR WASH FOUNTAINS

#### A. Wash Fountains <Insert drawing designation>: Stainless steel, circular receptor.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International, Wash-ware circular stainless steel, model [3504] [3506] [3506ADA] [3506DBS] [3508] [3508ADA] [3508DBS] [3516ADA]; <Insert product name or designation> or comparable product by one of the following:
  - a. Bradley Corporation.
  - b. Intersan Manufacturing Company.
  - c. Willoughby Industries.
  - d. <Insert manufacturer's name>.
2. Standard: ASME A112.19.3/CSA B45.4.
3. 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.
4. Receptor:
  - a. Standard: ASME A112.19.3/CSA B45.4.
  - b. ADA Standards for Accessible Design.
  - c. Nominal Diameter: [38-1/4 inches (972 mm)] [54 inches (1372 mm)].
  - d. Height to Rim: [31 inches (787 mm)] [34 inches (864 mm)] above floor.
  - e. Depth: [Manufacturer's standard] [9 inches (229 mm)].
  - f. Material: Stainless steel.
  - g. Finish or Color: [No. 4 satin finish] [Powder coat; select color from manufacturer's standard color chart].
  - h. Drain: Dome strainer.
5. Spray Head:
  - a. Material: Stainless steel.
  - b. Number of Wash Stations: [Four] [Six] [Eight].

- c. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: [**Individual foot-button**] [**Individual manual push-button**] [**Individual, hardwired sensor**] [**Individual, battery-powered sensor**] [**Programmable piezo push-button, with electronic metering**] actuation.
  - e. Valve and Supply: [**Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer**] [**Single-temperature with check stop and strainer**].
  - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Soap Dispensers: [**Powder soap**] [**Liquid or lotion soap**] [**Metering liquid soap pump**].
  7. Pedestal Material and Finish: [**Black vinyl-clad galvanized steel**] [**Stainless steel, No. 4 satin finish**].
  8. Supply Fittings:
    - a. Supply Piping: From [**bottom**] [**top**].
  9. Waste Fittings:
    - a. Standard: ASME A112.18.2/CSA B125.2.
    - b. Trap and Drain Piping: [**NPS 2 (DN 50)**].
    - c. Vent Piping: [**Off-drain**] [**Through-fixtured**].
  10. Shroud: Stainless steel of size to cover supply and vent piping.
  11. Paper Towel Dispenser: [**C-Fold or Multi-Fold**] [**Single Fold**].
  12. Accessories:
    - a. Hose bibb.
    - b. Pipe column brace.
  13. Mounting: On-floor with floor-mounting flange on wash fountain base interior.

## 2.4 PRECAST-TERRAZZO, SEMICIRCULAR WASH FOUNTAINS

- A. Wash Fountains **<Insert drawing designation>**: [**Off**] [**On**]-floor, precast-terrazzo, semicircular receptor.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International, Wash-ware, model [**3601**] [**3603**] [**3604**]; **<Insert product name or designation>** or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. **<Insert manufacturer's name>**.
  2. Standard:
    - a. IAPMO IGC 156.
    - b. ADA Standards for Accessible Design.

3. 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.
4. Receptor:
  - a. Standard: IAPMO PS 99 for precast-terrazzo receptor.
  - b. Configuration: Back wall, semicircular.
  - c. Material: Precast terrazzo.
  - d. Mounting: **[On-floor]** **[Off-floor]**.
  - e. Height to Rim: **33-1/2 to 34 nches** (851 to 864 mm) above floor.
  - f. Color or Finish: **<Insert color selection from manufacturer's standard selection>**.
  - g. Drain: Grid strainer.
5. Spray Head:
  - a. Material: Precast terrazzo.
  - b. Number of Wash Stations: **[One]** **[Three]** **[Four]**.
  - c. Spray Nozzles: At each wash station, provide **0.5 gpm** (1.9 L/min.), vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: **[Individual push-button]** **[Individual, hardwired sensor]** **[Individual, battery-powered sensor]** **[Programmable piezo push-button, with electronic metering]**.
  - e. Valve and Supply: **[Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer]** **[Single-temperature with check stop and strainer]**.
  - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Pedestal: **[Stainless steel]** **[Terrazzo with stainless steel access panel secured by vandal-resistant fasteners]**.
7. Soap Dispensers: Metering liquid soap pump.
8. Waste Fittings:
  - a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Drain Piping: **1-1/2-inch** (40-mm) OD tailpiece.
9. Off-Floor Mounting: In accordance with manufacturer's written instructions.

## 2.5 SOLID-SURFACE, SEMICIRCULAR WASH FOUNTAINS

- A. Wash Fountains **<Insert drawing designation>**: On-floor, solid-surface, semicircular receptor.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware Corterra, model **[3633]** **[3644]**; **<Insert product name or designation>** or comparable product by one of the following:
    - a. Bradley Corporation.

- b. Intersan Manufacturing Company.
  - c. Willoughby Industries.
  - d. **<Insert manufacturer's name>**.
2. Standard:
  - a. CSA B45.5/IAPMO Z124.
  - b. IAPMO IGC 156.
  - c. ASME A112.18.1/CSA B125.1.
  - d. GREENGUARD Certified Low Emitting Material.
  - e. ANSI/ICPA SS-1 for solid-surface bowls.
  - f. ADA Standards for Accessible Design.
3. 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.
4. Receptor:
  - a. Standard: CSA B45.5/IAPMO Z124.
  - b. Fixture mounting: **[On-floor] [Off-floor]**.
  - c. Configuration: **[Back wall, semicircular] [Corner]**.
  - d. Nominal Diameter: **[36 inches (914 mm)] [46 inches (1168 mm)] <Insert dimension>**.
  - e. Height to Rim: **[31 inches (787 mm)] [34 inches (864 mm)]** above floor.
  - f. Color or Finish: **<Insert color selection from manufacturer's standard selection>**.
  - g. Drain: Grid with **1-1/2-inch (40-mm)** OD tailpiece.
5. Spray Head:
  - a. Material: Solid surface.
  - b. Number of Wash Stations: **[Three] [Four]**.
  - c. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: **[Individual push-button] [Individual, hardwired sensor] [Individual, battery-powered sensor] [Programmable piezo push-button, with electronic metering]** actuation.
  - e. Valve and Supply: **[Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer] [Single-temperature with check stop and strainer]**.
  - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Pedestal: Solid surface material with stainless steel access panel secured by vandal-resistant fasteners.
7. Soap Dispensers: Metering liquid soap pump.
8. Waste Fittings:
  - a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Drain Piping: **1-1/2-inch (40-mm)** OD tailpiece.



## 2.6 STAINLESS STEEL, SEMICIRCULAR WASH FOUNTAINS

- A. Wash Fountains <Insert drawing designation>: [Off] [On]-floor, stainless steel, semicircular receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware stainless steel model [3422] [3422ES] [3423] [3423ADA] [3423ADAES] [3423ES] [3424ADA] [3424ADAES] [3543] [3543DBS] [3544] [3544DBS]; <Insert product name or designation> or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Intersan Manufacturing Company.
    - c. Willoughby Industries.
    - d. <Insert manufacturer's name>.
  2. Standard:
    - a. ASME A112.19.3/CSA B45.4.
    - b. ADA Standards for Accessible Design.
  3. 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.
  4. Receptor:
    - a. Standard: ASME A112.19.3/CSA B45.4 for stainless steel receptor.
    - b. Nominal Diameter: [30 inches (762 mm)] [38 inches (965 mm)] [54 inches (1372 mm)].
    - c. Height to Rim: [31 inches (787 mm)] [34 inches (864 mm)] above floor.
    - d. Depth: [Manufacturer's standard] [9 inches (229 mm)].
    - e. Finish or Color: [No. 4 satin finish.] [Powder coat; select color from manufacturer's standard color chart.]
    - f. Drain: Dome strainer.
  5. Spray Head:
    - a. Material: Stainless steel or integral part of receptor back.
    - b. Number of Wash Stations: [Two] [Three] [Four].
    - c. Spray Nozzles: At each wash station, provide 0.5 gpm (1.9 L/min.), vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
    - d. Control: [Individual foot-button] [Individual push-button] [Individual, hardwired sensor] [Individual, battery-powered sensor] [Programmable piezo push-button, with electronic metering] actuation.
    - e. Valve and Supply: [Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer] [Single-temperature with check stop and strainer].
    - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.

6. Soap Dispensers: [**Powder soap**] [**Liquid or lotion soap pump**] [**Metering liquid soap pump**].
7. Pedestal Material and Finish: [**Black vinyl-clad galvanized steel**] [**Stainless steel, No. 4 satin**].
8. Supply Fittings:
  - a. Supply Piping: From [**bottom**] [**top**] [**wall**].
9. Waste Fittings:
  - a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Drain Piping: **1-1/2-inch (40-mm)** OD tailpiece.
  - c. Trap and Drain Piping: [**NPS 1-1/2 (DN 40)**] [**NPS 2 (DN 50)**].
  - d. Vent Piping: [**Off-drain**] [**Through-fixture**].
10. Shroud: Stainless steel of size to cover supply and vent piping.
11. Paper Towel Dispenser: [**C-Fold or Multi-Fold**] [**Single Fold**].
12. Accessories:
  - a. Hose bibb [**left side**] [**right side**].
  - b. Pipe column brace.
  - c. Column braced to backsplash.
  - d. Less backsplash.
13. Mounting: [**Off-floor, on reinforced wall**] [**On-floor, with wall- and floor-mounting flanges on wash fountain base interior**].

## 2.7 PRECAST-TERRAZZO, CORNER WASH FOUNTAINS

### A. Wash Fountains <Insert drawing designation>: Precast-terrazzo, corner receptor.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware Corner Terrazzo model [**3612**] [**3613**]; <Insert product name or designation> or comparable product by one of the following:
  - a. Bradley Corporation.
  - b. <Insert manufacturer's name>.
2. Standard: IAPMO IGC 156.
3. 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.
4. Receptor:
  - a. Standard: IAPMO PS 99 for precast-terrazzo receptor.
  - b. Nominal Side Width: [**26-3/4 inches (680 mm)**] [**37 inches (940 mm)**].
  - c. Height to Rim: [**34 inches (864 mm)**] <Insert dimension> above floor.
  - d. Color or Finish: <Insert color from manufacturer's standard selection>.

- e. Drain: Grid strainer.
5. Spray Head:
- a. Material: Precast terrazzo.
  - b. Number of Wash Stations: **[Two]** **[Three]**.
  - c. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: **[Individual push-button]** **[Individual, hardwired sensor]** **[Individual, battery-powered sensor]** **[Programmable piezo push-button, with electronic metering]**.
  - e. Valve and Supply: **[Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer]** **[Single-temperature with check stop and strainer]**.
  - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
  - g. Pedestal: Terrazzo with stainless steel access panel secured with vandal-resistant fasteners.
6. Soap Dispensers: Metering liquid soap pump, for each wash station.
7. Waste Fittings:
- a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Drain Piping: **1-1/2-inch (40-mm)** OD tailpiece.
8. Mounting: In accordance with manufacturer's written instructions.

## 2.8 SOLID-SURFACE, CORNER WASH FOUNTAINS

### A. Wash Fountains **<Insert drawing designation>**: Solid-surface, corner receptor.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware Corterra model 3622; **<Insert product name or designation>** or comparable product by one of the following:
  - a. Bradley Corporation.
  - b. Willoughby Industries.
  - c. **<Insert manufacturer's name>**.
2. Standard: IAPMO IGC 156.
3. 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.
4. Receptor:
  - a. Standard: ICPA SS-1 for solid-surface receptor.
  - b. Nominal Side Width: **[27 inches (686 mm)]** **[37 inches (940 mm)]**.
  - c. Height to Rim: **[34 inches (864 mm)]** **<Insert dimension>** above floor.
  - d. Color or Finish: **[Not applicable]** **<Insert if required>**.
  - e. Drain: Grid with **NPS 1-1/2 (DN 40)** tailpiece.

5. Spray Head:
  - a. Material: Stainless steel or integral part of receptor back.
  - b. Number of Wash Stations: Two.
  - c. Spray Nozzles: Chrome-plated brass or stainless steel complying with NSF 61 Annex G and ASME A112.18.1/CSA B125.1.
  - d. Control: [**Individual push-button**] [**Individual, hardwired sensor**] [**Individual, battery-powered sensor**] actuation with [**pressure-balancing**] [**thermostatic**] mixing valve complying with ASSE 1016 and having check stops; comply with NSF 61 Annex G.
  - e. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Liquid-Soap Dispensers: [**Manual**] [**Hardwired, sensor actuated**] [**Battery powered, sensor actuated**] [**Not required**], for each wash station.
  - a. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
7. Supply Fittings:
  - a. Piping: [**NPS 1/2 (DN 15)**] [**NPS 3/4 (DN 20)**] copper tubing.
  - b. Valves: Shutoff valve on each supply.
  - c. Supply Piping: From wall.
8. Waste Fittings:
  - a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**.
9. Off-Floor Mounting: Wall bracket and ASME A112.6.1M, Type II urinal carrier.

## 2.9 STAINLESS STEEL, CORNER WASH FOUNTAINS

### A. Wash Fountains <Insert drawing designation>: Stainless steel, corner receptor.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware stainless steel, model [**3442**] [**3442ES**] [**3443ADA**] [**3443ADAES**] [**3562**] [**3562DBS**] [**3563**] [**3563DBS**]; <Insert product name or designation> or comparable product by one of the following:
  - a. Bradley Corporation.
  - b. <Insert manufacturer's name>.
2. Standard:
  - a. ASME A112.19.3/CSA B45.4.
  - b. ADA Standards for Accessible Design.

3. 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.
4. Receptor:
  - a. Standard: ASME A112.19.3/CSA B45.4 for stainless steel receptor.
  - b. Nominal Side Width: **37 inches (940 mm)**.
  - c. Height to Rim: [**31 inches (787 mm)**] [**34 inches (864 mm)**] above floor.
  - d. Depth: [**Manufacturer's standard**] [**9 inches (229 mm)**].
  - a. Finish or Color: [**No. 4 satin finish.**] [**Powder coat; select color from manufacturer's standard color chart.**]
  - b. Drain: Dome strainer.
5. Spray Head:
  - a. Material: Stainless steel or integral part of receptor back.
  - b. Number of Wash Stations: [**Two**] [**Three**].
  - c. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  - d. Control: [**Individual foot-button**] [**Individual push-button**] [**Individual, hardwired sensor**] [**Individual, battery-powered sensor**] [**Programmable piezo push-button, with electronic metering**] actuation.
  - e. Valve and Supply: [**Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer**] [**Single-temperature with check stop and strainer**].
  - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
6. Soap Dispensers: [**Powder soap**] [**Liquid or lotion soap**] [**Metering liquid soap pump**].
7. Pedestal Material and Finish: [**Black, vinyl-clad galvanized steel**] [**Stainless steel, No. 4 satin finish**].
8. Supply Fittings:
  - a. Supply Piping: From [**Wall**] [**Bottom**] [**Top**].
9. Waste Fittings:
  - a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: [**NPS 1-1/2 (DN 40)**] [**NPS 2 (DN 50)**].
  - c. Vent Piping: [**Off-drain**] [**Through-fixture**].
10. Shroud: Stainless steel of size to cover supply and vent piping.
11. Paper Towel Dispenser: [**C-Fold or Multi-Fold**] [**Single Fold**].
12. Accessories:
  - a. Hose bibb [**left side**] [**right side**].
  - b. Pipe column brace.
  - c. Column braced to backsplash.
  - d. Less backsplash.

13. Mounting: [**Off-floor, on reinforced wall**] [**On-floor, with wall- and floor-mounting flanges on wash fountain base interior**].

## 2.10 SOLID-SURFACE, LINEAR WASH FOUNTAINS

- A. Wash Fountains <Insert drawing designation>: Solid-surface, straight-front, linear (side-by-side) receptor.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Acorn Meridian Corterra Hi-Lo Dual Basin [3751] [3752] [3753]; <Insert product name or designation> or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Willoughby Industries.
    - c. <Insert manufacturer's name>.
  2. Standard:
    - a. CSA B45.5/IAPMO Z124.
    - b. IAPMO IGC 156.
    - c. ASME A112.18.1/CSA B125.1.
    - d. GREENGUARD Certified Low Emitting Material.
    - e. ANSI/ICPA SS-1 for solid-surface bowls.
    - f. ADA Standards for Accessible Design.
  3. 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.
  4. Bowl(s) and Counter:
    - a. Standard: CSA B45.5/IAPMO Z124.
    - b. Counter: Solid surface material with drip-resistant edges and integral overflow.
    - c. Height to ADA Station Rim: [34 inches (864 mm)] <Insert dimension> above floor.
    - d. Deck Configuration:
      - 1) High deck on [**left-hand**] [**center**] [**right-hand**] wash station.
      - 2) Standard.
    - e. Color: Select color from manufacturer's standard color chart. Submit color samples for approval.
    - f. Number of Receptors: [**One**] [**Two**] [**Three**].
    - g. Drain: Grid strainer with 1-1/2-inch (40-mm) OD close elbow and tailpiece, each bowl.
  5. Mounting: Off-floor.
  6. Enclosure:

- a. Material: Type 304 stainless steel, secured with vandal-resistant fasteners.
  - b. Finish: **[No. 4 satin finish] [Powder-coat. Select color from manufacturer's standard color chart].**
7. Faucets:
- a. Standards: ASME A112.18.1/CSA B125.1 and NSF 61 Annex G.
  - b. Type: Manufacturer's standard, chrome-plated solid brass, each bowl.
  - c. Control: **[Less spout and valves. Drill fixture for field-installed faucet with required quantity and spacing of holes] [Hand operation with deck-mounted push-button] [Programmable piezo button with electronic metering] [Hardwired sensor operation with deck-mounted spout] [Battery-powered sensor operation with deck-mounted spout].**
  - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
  - e. Supply: **[Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer] [Single-temperature with check stop and strainer].**
8. Soap Dispensers: Metering liquid soap pump for each wash station.
9. Waste Fittings:
- a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**, P-trap to accommodate complete fixture.
- B. Wash Fountains **<Insert drawing designation>**: Solid-surface, straight front, linear (side-by-side) receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Acorn Meridian Corterra Counter-Lav model **[3761] [3762] [3763] [3764]**; **<Insert product name or designation>** or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Willoughby Industries.
    - c. **<Insert manufacturer's name>**.
  2. Standard:
    - a. CSA B45.5/IAPMO Z124.
    - b. IAPMO IGC 156.
    - c. ASME A112.18.1/CSA B125.1.
    - d. GREENGUARD Certified Low Emitting Material.
    - e. ANSI/ICPA SS-1 for solid-surface bowls.
    - f. ADA Standards for Accessible Design.
  3. 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.
  4. Bowl(s) and Counter:

- a. CSA B45.5/IAPMO Z124.
  - b. Counter: Solid surface material with drip-resistant front edge, with individual **[integral oval bowl with integral overflow] [drop-in, D-shaped stainless steel bowl] [drop-in D-shaped stainless steel bowl with mirror finish]**.
  - c. Height to Rim: **[31 inches (787 mm)] [34 inches (864 mm)]** above floor.
  - d. Color: Select color from manufacturer's standard color chart. Submit color samples for approval.
  - e. Number of Receptors: **[One] [Two] [Three] [Four]**.
  - f. Drain: Cast opening with depression for **1-1/2-inch (DN 40)** strainer and tailpiece.
5. Mounting: Off-floor.
6. Valve Control:
- a. Faucet: **[Drill fixture for field-installed faucet with required quantity and spacing of holes] [4-inch (102-mm) centerset faucet with gooseneck spout and wrist blade handles]**.
  - b. Operation:
    - 1) Control: **[Individual deck-mounted push-button] [Individual, hardwired sensor] [Individual, battery-powered sensor] [Programmable piezo push-button, with electronic metering]**.
    - 2) Spout: **[Deck-mounted "J" spout] [Deck-mounted "L" spout]**.
  - c. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
    - 1) Supply: **[Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer] [Single-temperature with check stop and strainer]**.
7. Soap Dispensers: Metering liquid soap pump for each wash station.
8. Accessories:
- a. Extended countertop: **[Left hand] [Right hand] <Specify length>**.
  - b. Left side apron.
  - c. Left side splash.
  - d. Right side apron.
  - e. Right side splash.
  - f. Scalloped enclosure style.
  - g. Less backsplash.
  - h. Mounting sleeve for wall carrier.
9. Waste Fittings:
- a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**, P-trap to accommodate complete fixture.
  - c. Trap and Drain Piping with Strainer: **[Individual grid strainer and tailpiece with NPS 1-1/2 (DN 40) P-trap for each station] [Individual grid strainers, combined waste piping with NPS 1-1/2 (DN 40) P-trap to serve two wash stations] [Individual grid strainers, combined waste piping with NPS 1-1/2**



**(DN 40) P-trap to serve three wash stations] [Individual grid strainers with two combined waste piping assemblies for NPS 1-1/2 (DN 40) P-traps serving two wash stations each, to serve four stations total].**

- C. Wash Fountains <Insert drawing designation>: Solid-surface, curved front, linear (side-by-side) receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Acorn Engineering Meridian Corterra Basin [3771] [3772] [3773]; <Insert product name or designation> or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Willoughby Industries.
    - c. <Insert manufacturer's name>.
  2. Standard:
    - a. CSA B45.5/IAPMO Z124.
    - b. IAPMO IGC 156.
    - c. ASME A112.18.1/CSA B125.1.
    - d. GREENGUARD Certified Low Emitting Material.
    - e. ANSI/ICPA SS-1 for solid-surface bowls.
    - f. ADA Standards for Accessible Design.
  3. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
  4. Bowl(s) and Counter:
    - a. Standard: CSA B45.5/IAPMO Z124.
    - b. Spray Head: Solid surface.
    - c. Counter: Solid surface material with integral **[15-3/4-inch (400-mm) round bowls and integral overflow] [D-shaped bowl, less spray head]**.
    - d. Height to Rim: **[31 inches (787 mm)] [34 inches (864 mm)]** above floor.
    - e. Color: Select color from manufacturer's standard color chart. Submit color samples for approval.
    - f. Number of Receptors: **[One] [Two] [Three]**.
    - g. Drain: Grid strainer, each receptor.
  5. Mounting: **[Off-floor] [On-floor]**.
  6. Enclosure:
    - a. Material: Type 304 stainless steel.
    - b. Material and Finish: **[Black vinyl-clad galvanized steel] [Stainless steel, No. 4 satin finish]**.
    - c. Control:

- 1) [Hand operation] [Programmable piezo button with electronic metering] [Hardwired sensor operation with deck-mounted faucet] [Battery-powered sensor operation with deck-mounted faucet].
  - 2) [Less spray head and valves. Drill fixture for field-installed faucet with required quantity and spacing of holes] [Less spray head with **4-inch (102-mm)** centerset faucet, gooseneck spout and wristblade handles].
- d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
- e. Supply: [Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer] [Single-temperature with check stop and strainer].
7. Soap Dispensers: Metering liquid soap pump for each wash station.
8. Accessories:
- a. Extended countertop: [Left hand] [Right hand] <Specify length>.
  - b. Left side apron, with extended countertop option.
  - c. Left side splash, with extended countertop option.
  - d. Right side apron, with extended countertop option.
  - e. Right side splash, with extended countertop option.
  - f. Scalloped enclosure style.
9. Waste Fittings:
- a. Standard: ASME A112.18.2/CSA B125.2.
  - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**, P-trap to accommodate complete fixture.
- D. Wash Fountains <Insert drawing designation>: Solid-surface, curved front, linear (side-by-side) receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Acorn Meridian Corterra Basin [3791] [3792] [3793]; <Insert product name or designation> or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Willoughby Industries.
    - c. <Insert manufacturer's name>.
  2. Standard:
    - a. CSA B45.5/IAPMO Z124.
    - b. IAPMO IGC 156.
    - c. ASME A112.18.1/CSA B125.1.
    - d. GREENGUARD Certified Low Emitting Material.
    - e. ANSI/ICPA SS-1 for solid-surface bowls.
    - f. ADA Standards for Accessible Design.

3. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
  4. Receptor:
    - a. Standard: CSA B45.5/IAPMO Z124.
    - b. Counter: Solid surface material with integral individual bowl at each wash station.
    - c. Height to Rim: **[31 inches (787 mm)] [34 inches (864 mm)]** above floor.
    - d. Drain: Grid strainer to service entire receptor.
    - e. Color: Select color from manufacturer's standard color chart. Submit color samples for approval.
  5. Spray Head:
    - a. Material: Solid surface top, Type304 stainless steel faceplate.
    - b. Number of Wash Stations: **[One] [Two] [Three]**.
    - c. Control: **[Hand operation] [Programmable piezo button with electronic metering] [Hardwired sensor operation] [Battery-powered sensor operation]**.
    - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
    - e. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1.
  6. Mounting: Off-floor.
  7. Enclosure:
    - a. Material: Type 304 stainless steel.
    - b. Finish: No. 4 satin finish.
  8. Soap Dispensers: Metering liquid soap/lotion pump for each wash station.
  9. Accessories:
    - a. Stainless steel kickplate for **[31 inches (787 mm)] [34 inches (864 mm)]** <Insert **height**> height to rim.
    - b. Less waste piping.
  10. Waste Fittings:
    - a. Standard: ASME A112.18.2/CSA B125.2.
    - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**, P-trap to accommodate complete fixture.
- E. Wash Fountains <Insert drawing designation>: Solid-surface, straight front, linear (side-by-side) receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Acorn Meridian Corterra Basin **[3801] [3802] [3803]**; <Insert product name or designation> or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Willoughby Industries.

- c. **<Insert manufacturer's name>**.
2. Standard:
    - a. CSA B45.5/IAPMO Z124.
    - b. IAPMO IGC 156.
    - c. ASME A112.18.1/CSA B125.1.
    - d. GREENGUARD Certified Low Emitting Material.
    - e. ANSI/ICPA SS-1 for solid-surface bowls.
    - f. ADA Standards for Accessible Design.
  3. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
  4. Counter: Solid surface material with integral continuous basin.
    - a. Standard: ICPA SS-1 for solid-surface bowls.
    - b. Height to Rim: [**31 inches (787 mm)**] **<Insert height>** above floor.
    - c. Color: Select color from manufacturer's standard color chart. Submit color samples for approval.
    - d. Number of Receptors: One, for all user wash stations.
    - e. Number of User Wash Stations: [**One**] [**Two**] [**Three**].
    - f. Drain: Grid strainer with **NPS 1-1/2 (DN 40)**, close elbow.
  5. Mounting: Off-floor.
  6. Enclosure:
    - a. Material: Type 304 stainless steel, hinged.
    - b. Finish or Color: [**No. 4 satin finish**] [**Powder coat; select color from manufacturer's standard color chart**].
  7. Faucets:
    - a. Standards: ASME A112.18.1/CSA B125.1 and NSF 61 Annex G.
    - b. Type: Manufacturer's standard, chrome-plated solid brass, each bowl.
    - c. Control: [**Less spout and valves. Drill fixture for field-installed faucet with required quantity and spacing of holes**] [**Hand operation with deck-mounted spout and push-button**] [**Sensor operation with deck-mounted spout**] [**Battery-powered sensor operation with deck-mounted spout**] [**Dyson Company Airblade model for sensor-operated, deck-mounted, faucet and air dry**].
    - d. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
    - e. Supply: [**Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer**] [**Single-temperature with check stop and strainer**].
  8. Soap Dispensers: [**Metering liquid pump soap**] [**Hardwired sensor-operated**] [**Battery-powered sensor-operated**] for each user wash station.
  9. Accessories:
    - a. Mounting carrier.

## 10. Waste Fittings:

- a. Standard: ASME A112.18.2/CSA B125.2.
- b. Trap and Drain Piping: Brass Plastic **1-1/2-inch (40-mm)** OD, close elbow to accommodate complete fixture.

## 2.11 STAINLESS STEEL, ELLIPTICAL WASH FOUNTAINS

A. Wash Fountains **<Insert drawing designation>**: Stainless steel, elliptical receptor, one, two, or three wash station.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware stainless steel, model **[3401] [3401ES] [3402] [3402ES] [3403] [3403ES]**; **<Insert product name or designation>** or comparable product by one of the following:
  - a. Bradley Corporation.
  - b. Willoughby Industries.
  - c. **<Insert manufacturer's name>**.
2. Standard:
  - a. ASME A112.19.3/CSA B45.4.
  - b. ADA Standards for Accessible Design.
3. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
4. Receptor:
  - a. Standard: ASME A112.19.3/CSA B45.4 for stainless steel receptor.
  - b. Height to Rim: **[31 inches (787 mm)] [34 inches (864 mm)]** above floor.
  - c. Finish or Color: **[No. 4 satin finish] [Powder coat; select color from manufacturer's standard color chart.]**.
  - d. Number of Receptors: One.
  - e. Drain: Dome strainer.
5. Spray Head:
  - a. Material: Integral part of receptor back.
  - b. Number of Wash Stations: **[One] [Two] [Three]**.
  - c. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASME A112.18.1/CSA B125.1
  - d. Control: **[Individual push-button] [Individual, hardwired sensor] [Individual, battery-powered sensor] [Programmable piezo push-button, with electronic metering]** actuation.
  - e. Valve and Supply: **[Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer] [Single-temperature with check stop and strainer]**.
  - f. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.

6. Soap Dispensers: Metering liquid soap pump for each wash station.
  7. Pedestal Material and Finish: [**Black vinyl-clad galvanized steel**] [**Stainless steel, No. 4 satin finish**].
  8. Supply Fittings: Wall.
  9. Waste Fittings:
    - a. Standard: ASME A112.18.2/CSA B125.2.
    - b. Drain Piping: **1-1/2-inch (40-mm)** OD tailpiece.
  10. Accessories:
    - a. Hose Bibb [**left side**] [**right side**]
  11. Mounting: [**Off-floor, on reinforced wall**] [**On-floor, with wall and floor mounting flanges on wash fountain base interior**].
- B. Wash Fountains <**Insert drawing designation**>: Stainless steel, elliptical receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Wash-ware Ellipse model [**ELPS1**] [**ELPS2**]; <**Insert product name or designation**> or comparable product by one of the following:
    - a. Bradley Corporation.
    - b. Willoughby Industries.
    - c. <**Insert manufacturer's name**>.
  2. Standard:
    - a. ASME A112.19.3/CSA B45.4.
    - b. ADA Standards for Accessible Design.
  3. 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.
  4. Receptor:
    - a. Standard: ASME A112.19.3/CSA B45.4 for stainless steel receptor.
    - b. Height to Rim: **34 inches (864 mm)** above floor.
    - c. Finish or Color: [**No. 4 satin finish**] [**Powder coat; select color from manufacturer's standard color chart.**].
    - d. Number of Receptors: One.
    - e. Faucet Punching: **4-inch (102-mm)** centerset.
    - f. Drain Punching: **1-1/2-inch (40-mm)** nominal diameter.
  5. Mounting: Off-floor.
  6. Enclosure:
    - a. Material: Type 304 stainless steel, secured with vandal-resistant fasteners, complete with removable access panel.

7. Valve Control:
  - a. Faucet: [**4-inch (102-mm)** centerset with gooseneck spout and wrist blade handles] [**4-inch (102-mm)** centerset with gooseneck spout] [Sensor operated with J spout and deck plate] [Push-button metering with deck plate].
  - b. Supply: [Hot and cold] [Single temperature].
  - c. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
8. Soap Dispensers:
  - a. Metering liquid soap pump for each wash station.
  - b. Sensor-operated for each wash station.
9. Accessories:
  - a. Daisy strainer, tailpiece, plastic **1-1/2-inch (40-mm)** P-trap.
  - b. Daisy strainer, tailpiece, chrome **1-1/2-inch (40-mm)** P-trap.

## 2.12 STAINLESS STEEL, LINEAR WASH FOUNTAINS

- A. Wash Fountains <**Insert drawing designation**>: Stainless steel, with linear, side-by-side receptor.
  1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International model [3701] [3702] [3703] [3704] [3711] [3712] [3713] [3714]; <**Insert product name or designation**> or comparable product by one of the following:
    - a. Metcraft Industries.
    - b. Willoughby Industries.
    - c. <**Insert manufacturer's name**>.
  2. Standard:
    - a. ASMEA112.19.3/CSA B45.4.
    - b. ADA Standards for Accessible Design.
  3. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
  4. Receptor:
    - a. Standard: ASME A112.19.3/CSA B45.4 for stainless steel receptor.
    - b. Material Type 304 stainless steel.
    - c. Height to Rim: [**31 inches (787 mm)**] [**34 inches (864 mm)**] above floor.
    - d. Finish: [**No. 4 satin finish on exposed surfaces**] [**Powder coat; select color from manufacturer's standard color chart**].
    - e. Number of Bowls: [**One**] [**Two**] [**Three**] [**Four**].

- f. Bowl Style, Curved-Front Wash Fountains: [**Factory installed round, self-rimming basin**] [**Factory installed D-shape, self-rimming basin**] [**Welded, integral round bowl**].
  - g. Bowl Style, Straight-Front Wash Fountains: [**Welded, integral round bowl**] [**Welded, integral trapezoidal bowl**] [**Welded, integral D-shaped bowl**].
  - h. Drain: Grid strainer with **1-1/2-inch (40-mm)** OD close elbow and tailpiece.
5. Faucets and Controls:
- a. Material: Stainless steel or integral part of receptor back.
  - b. Number of Wash Stations: [**One**] [**Two**] [**Three**] [**Four**].
  - c. Field-Mounted Faucet Control: [**Punched for field-mounted faucet with required number of holes and spacing**] [**4-inch (102-mm) centerset faucet with gooseneck spout and wrist blade handles**].
  - d. Factory-Mounted Spout Control:
    - 1) Spout: [**Deck-mounted "J" spout**] [**Deck-mounted "L" spout**].
    - 2) Control: [**Individual, backsplash-mounted, metering push-button**] [**Individual, deck-mounted, metering push-button**] [**Individual, hardwired sensor**] [**Individual, battery-powered sensor**] [**Programmable piezo push-button, with electronic metering**].
  - e. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
  - f. Spray Nozzles: At each wash station, provide **0.5 gpm (1.9 L/min.)**, vandal-resistant nozzle complying with ASMEA112.18.1/CSA B125.1.
  - g. Valve and Supply: [**Hot and cold, ASSE 1070-compliant temperature and pressure balancing mixing valve, with integral checks and strainer**] [**Single-temperature with check stop and strainer**].
6. Housing:
- a. Material: Type 304 stainless steel.
  - b. Finish: [**Stainless steel, No. 4 satin finish**] [**Black, vinyl-clad galvanized steel**].
7. Pedestal: [**Off-floor stainless steel**] [**On-floor stainless steel**] [**On-floor with black, vinyl-clad steel enclosure**].
- a. Material: [**Type 304 stainless steel**] [**Galvanized steel**].
  - b. Finish: [**Stainless steel, No. 4 satin finish**] [**Black, vinyl-clad galvanized steel**].
8. Accessories:
- a. Enclosed bottom.
  - b. Extended countertop: [**Left hand**] [**Right hand**] <Insert length>.
  - c. Mirror finish basin.
  - d. Basin overflow.
  - e. **2-1/2-inch (64-mm)** stainless steel narrow apron.
  - f. Scalloped front enclosure style.
  - g. Sloped front enclosure style.
  - h. Marine edge.



9. Soap Dispensers: Metering liquid soap pump for each wash station.
  10. Waste Fittings:
    - a. Standard: ASME A112.18.2/CSA B125.2.
    - b. Drain Piping: **1-1/2-inch (40-mm)** OD tailpiece.
  11. Supply Fittings:
    - a. Supply Piping: From **[bottom]** **[top]** **[wall]**.
  12. Waste Fittings:
    - a. Standard: ASME A112.18.2/CSA B125.2.
    - b. Trap and Drain Piping: **NPS 1-1/2 (DN 40)**, P-trap to accommodate complete fixture.
    - c. Waste Outlet: **[One wall waste connection]** **[Two wall waste connections]**.
- B. Wash Fountains **<Insert drawing designation>**: Stainless steel, with linear, side-by-side receptor.
1. Basis-of-Design Product: Subject to compliance with requirements, provide Acorn Engineering; Morris Group International Hand Wash Trough model **[DSW130]** **[DSW260]** **[DSW390]** **[DSW4120]** **[WSW130]** **[WSW260]** **[WSW390]** **[WSW4120]**; **<Insert product name or designation>** or comparable product by one of the following:
    - a. Metcraft Industries.
    - b. Willoughby Industries.
    - c. **<Insert manufacturer's name>**.
  2. Standard:
    - a. ASME A112.19.3/CSA B45.4.
    - b. ADA Standards for Accessible Design.
  3. Electrical Components: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
  4. Receptor:
    - a. Standard: ASME A112.19.3/CSA B45.4 for stainless steel receptor.
    - b. Material Type 304 stainless steel.
    - c. Height to Rim: **34 inches (864 mm)** above floor.
    - d. Finish or Color: **[No. 4 satin finish]** **[Powder coat; select color from manufacturer's standard color chart]**.
    - e. Number of Receptors: One.
    - f. Faucet Punching: **4-inch (102-mm)** centerset.
    - g. Drain Punching: **1-1/2-inch (40-mm)** OD nominal diameter.
  5. Mounting: Off-floor.
  6. Enclosure:

- a. Material: Type 304 stainless steel, secured with vandal-resistant fasteners.
  - b. Finish or Color: **[No. 4 satin finish]** **[Powder coat; select color from manufacturer's standard color chart]**.
7. Valve Control:
- a. Faucet: **[4-inch (102-mm) centerset with gooseneck spout and wrist blade handles]** **[4-inch (102-mm) centerset with gooseneck spout]** **[Sensor operated with J spout and deck plate]** **[Push-button metering with deck plate]**.
  - b. Supply: **[Hot and cold]** **[Single-temperature]**.
  - c. Sensor: ASME A112.18.1/CSA B125.1 and UL 1951.
8. Bottle Filler:
- a. Quantity: **[One]** **[Two]** **[Three]** **[Four]**.
  - b. Actuation: **[Push-button]** **[Sensor-operated]** **[Sensor-operated with bottle counter display]**.
9. Soap Dispensers: **[Metering liquid soap pump]** **[sensor-operated]** for each wash station.
10. Accessories:
- a. Daisy strainer, tailpiece, plastic **1-1/2-inch (40-mm)** P-trap.
  - b. Daisy strainer, tailpiece, chrome **1-1/2-inch (40-mm)** P-trap.
  - c. Splash guard.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine roughing-in of water-supply, sanitary drainage, and vent piping systems to verify actual locations of piping connections before wash-fountain installation.
- B. Examine walls and floors for suitable conditions where wash fountains will be installed.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Install wash fountains level and plumb in accordance with roughing-in drawings.
- B. Set freestanding wash fountains on floor.
- C. Install off-floor carrier supports, affixed to building substrate, for wall-mounted wash fountains.
- D. Install accessible, wall-mounted wash fountains at mounting height for handicapped/elderly in accordance with ICC A117.1.

- E. Install water-supply piping with shutoff valve on each supply to each wash fountain to be connected to domestic-water distribution piping. Use ball or gate valve. Install valves in locations where they can be easily reached for operation. Valves are specified in Section 220523.12 "Ball Valves for Plumbing Piping" and Section 220523.15 "Gate Valves for Plumbing Piping."
- F. Install trap and waste piping on each drain outlet of each wash fountain to be connected to sanitary drainage system.
- G. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations. Use deep-pattern escutcheons if required to conceal protruding fittings. Comply with escutcheon requirements specified in Section 220518 "Escutcheons for Plumbing Piping."
- H. Seal joints between fixtures and walls using sanitary-type, one-part, mildew-resistant, silicone sealant. Match sealant color to fixture color. Comply with sealant requirements specified in Section 079200 "Joint Sealants."

### 3.3 CONNECTIONS

- A. Connect wash fountains with water supplies, stops, and risers, and with traps, soil, waste, and vent piping. Use size fittings required to match fixtures.
- B. Comply with requirements for water piping specified in Section 221116 "Domestic Water Piping."
- C. Comply with requirements for soil and waste drainage piping[ **and vent piping**] specified in Section 221316 "Sanitary Waste and Vent Piping."
- D. Install protective-shielding pipe covers and enclosures on exposed supplies and waste piping of accessible wash fountains. Comply with requirements in Section 220719 "Plumbing Piping Insulation."

### 3.4 ADJUSTING

- A. Operate and adjust wash fountains and controls. Replace damaged and malfunctioning wash fountains, fittings, and controls.
- B. Adjust water pressure at faucets to produce proper flow.
- C. Install fresh batteries in battery-powered, electronic-sensor mechanisms.

### 3.5 CLEANING AND PROTECTION

- A. After installing wash fountains, inspect and repair damaged finishes.
- B. Clean wash fountains, faucets, and other fittings with manufacturers' recommended cleaning methods and materials.

- C. Provide protective covering for installed wash fountains and fittings.
- D. Do not allow use of wash fountains for temporary facilities unless approved in writing by Owner.

END OF SECTION 224233