**SECTION 224216.16 - COMMERCIAL SINKS**

**PART 1 – GENERAL**

* 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. **SUMMARY**

A. Section Includes

* 1. Hand wash sinks
	2. Automatically operated Sink Faucets
	3. Supply fittings
	4. Waste Fittings
	5. Supports

B. Related Requirements

* 1. Section 224216.13 “Commercial Lavatories” for commercial lavatories and solid surface lavatory systems.
	2. **ACTION SUBMITTIALS**

A. Product Data: for each type of product

a. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for sinks.

b. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.

B. Sustainable Design Submittals

a. Product Data: For water consumption.

* 1. **CLOSEOUT SUBMITTALS**

A. Maintenance Data: For sinks to include in maintenance manuals.

* 1. **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.

B. Faucet washers and O rings equal to: [10] <insert number> % of amount of each type and size installed.

C. Faucet cartridges and O rings: equal to [5] <insert number> percent of amount of each type and size installed.

**PART 2: PRODUCTS**

**HAND WASH SINKS**

A. Hand Wash Sink **<Insert Drawing Designation>**: Stainless Steel Wall Mounted Sink

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: Sloan Stainless Series Handwashing Sink model no. **EHS 1000**. Product to be made of 14-gauge type 304 stainless steel with Sloan sensor faucets (sold separately). Outer rim of sink must be raised to prevent splashing and run off.

 Product: EHS 1000 [(Specification)](https://www.sloan.com/spec-sheet/3850045)

 Standard: ASME A112.19.3/CSA B45.4 and NSF/ANSI 2.

 Type of Basin: Basin with radius corners, back for faucet, and support brackets.

 Nominal Size: 17 by 16 by 5 inches (432 by 406 by 127 mm). 17 by 16 by 5 inches (432 by 406 by 127 mm).

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

 Support: [Type II sink carrier <insert carrier>.

 Sink Mounting Height: [Standard], [Child], [Handicapped / elderly] according to ICC.A117.1.

B. Hand Wash Sink **<Insert Drawing Designation>**: Stainless Steel Wall Mounted Sink

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: Sloan Stainless Series Scrub Sink **ESS 3000** series. Product to be made of 14-gauge type 304 stainless steel with Sloan sensor faucets. Sink design to be ADA compliant.

 Product: ESS 3000 [(Specification)](https://www.sloan.com/spec-sheet/16011195)

 Standard: ASME A112.19.3/CSA B45.4 and NSF/ANSI 2.

 Type of Basin: Basin with radius corners, back for faucet, and support brackets.

 Nominal Size: 17 by 16 by 5 inches (432 by 406 by 127 mm).

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

 Support: [Type II sink carrier <insert carrier>.

 Sink Mounting Height: [Standard], [Child], [Handicapped / elderly] according to ICC.A117.1.

C. Hand Wash Sink **<Insert Drawing Designation>**: Stainless Steel Wall Mounted Sink

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: Sloan Stainless Series Scrub Sink **ESS 2000** series. Product to be made of 14-gauge type 304 stainless steel with Sloan sensor faucets. Sink design to be ADA compliant.

 Product: ESS 2000 [(Specification)](https://www.sloan.com/commercial-bathroom-products/sinks/stainless-steel)

 Standard: ASME A112.19.3/CSA B45.4 and NSF/ANSI 2.

 Type of Basin: Basin with radius corners, back for faucet, and support brackets.

 Nominal Size: 17 by 16 by 5 inches (432 by 406 by 127 mm).

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

 Support: [Type II sink carrier <insert carrier>.

 Sink Mounting Height: [Standard], [Child], [Handicapped / elderly] according to ICC.A117.1.

**SERVICE SINKS**

**A.** Service Sinks **<Insert Drawing Designation>:** Enameled, cast iron, trap standard mounted.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3017** enameled cast iron sink with SloanTec hydrophobic glaze.

 Product: SS3017 [(Specification)](https://www.sloan.com/spec-sheet/3873017)

 Standard: ASME A112.19.1-2008

 Type of Basin: Enameled Cast Iron Wall-Mounted Backsplash Lavatory

 Nominal Size: Rectangle, [18 1/4 x 12 x 20 1/4 inches (464 x 305 x 514 mm)]

 Faucet hole punching: 4-inch (102 mm) centers

 Faucet hole location: Top

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Color: White

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

 Sink Mounting Height: [Standard], [Child], [Handicapped / elderly] according to ICC.A117.1.

B. Service Sinks **<Insert Drawing Designation>:** Enameled, cast iron, trap standard mounted.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3117** enameled cast iron sink with SloanTec hydrophobic glaze.

 Product: SS3117 [(Specification)](https://www.sloan.com/spec-sheet/3873117)

 Standard: ASME A112.19.1-2009

 Type of Basin: Enameled Cast Iron Wall-Mounted Backsplash Lavatory

 Nominal Size: Rectangle, [18 1/4 x 12 x 20 1/4 inches (464 x 305 x 514 mm)]

 Faucet hole punching: Single hole

 Faucet hole location: Top

 Faucet: <Insert sink faucet designation from “Automatically operated sink faucets” Article>.

 Color: White

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

 Sink Mounting Height: [Standard], [Child], [Handicapped / elderly] according to ICC.A117.1.

C. Service Sinks **<Insert Drawing Designation>:** Vitreous china healthcare service sink.

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SS3200** Healthcare Service Sink with skirted trap way and SloanTec hydrophobic Glaze to maximize hygiene.

 Product: SS3200 [(Specification)](https://www.sloan.com/spec-sheet/3873205)

 Standard: ASME A112.19.2/CSA B45

 Type of Basin: Vitreous China Healthcare Service Sink

 Nominal Size: Rectangle, [24 7/8 x 21 x 15 3/8 inches (632 x 533 x 403mm)]

 Faucet hole punching: Single hole

 Faucet hole location: Not applicable

 Faucet: <Insert sink faucet designation>

 Color: White

 Supply Fittings: Comply with requirements in “Supply Fittings Article.”

 Waste Fittings: Comply with requirements in “Waste Fittings Article.”

 Sink Mounting Height: Refer to ICC.A117.1 for mounting height standards.

**AUTOMATICALLY OPERATED SINK FAUCETS**

**SOLAR POWERED, LOW HEIGHT SINK FAUCETS**

A. Sink Faucet **<Insert Drawing Designation>:** Automatic type, sensor activated, solar powered. Low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-375** deck mounted, solar powered with battery backup Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 375 [(Specification)](https://www.sloan.com/general-spec/471)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-377** deck mounted, solar powered with battery backup. Includes digital guided hand washing instructions for proper hygiene. Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 377 ([Specification)](https://www.sloan.com/general-spec/461)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-675** deck mounted, solar powered with battery backup Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 675 ([Specification)](https://www.sloan.com/general-spec/346)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4” Center Set)

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-677** deck mounted, solar powered with battery backup. Includes digital guided hand washing instructions for proper hygiene. Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 677 [(Specification)](https://www.sloan.com/general-spec/386)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**TURBINE POWERED LOW HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, turbine powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-380** deck mounted capacitance Sensor Activated Electronic Faucet. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator.

 Product: EFX 380 [(Specification)](https://www.sloan.com/general-spec/541)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, turbine powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-680** deck mounted capacitance Sensor Activated Electronic Faucet. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator

 Product: EFX 680 [(Specification)](https://www.sloan.com/general-spec/371)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**BATTERY POWERED LOW HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 415** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 415 [(Specification)](https://www.sloan.com/general-spec/6701)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Die-Cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 615** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 615 [(Specification)](https://www.sloan.com/general-spec/496)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole) or can be used with 4” or 8” trim plate.

 Body Material: [Commercial], [General Duty], [Cast Brass constructed metal]

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 650** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 650 [(Specification)](https://www.sloan.com/general-spec/516)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], [Cast Brass constructed metal]

Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-350** deck mounted, battery powered Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 350 [(Specification)](https://www.sloan.com/general-spec/536)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single]

 Body Material: [Commercial], [General Duty], [Die cast constructed metal]

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2150** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2150 [(Specification)](https://www.sloan.com/general-spec/436)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-650** deck mounted, battery powered Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 650 [(Specification)](https://www.sloan.com/general-spec/446)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4” Center Set]

 Body Material: [Commercial], [General Duty], Chrome plated constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

G. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 655** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 655 (Specification)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**HARDWIRED LOW HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 410** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 410 [(Specification)](https://www.sloan.com/general-spec/6706)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 600** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 600 ([Specification)](https://www.sloan.com/general-spec/531)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 610** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 610 [(Specification)](https://www.sloan.com/general-spec/451)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-300** deck mounted, hardwired, Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 300 [(Specification)](https://www.sloan.com/general-spec/411)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] <Insert Type

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-600** deck mounted, hardwired Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 600 [(Specification)](https://www.sloan.com/general-spec/486)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2100** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2100 [(Specification)](https://www.sloan.com/general-spec/576)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

G. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. low height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 660** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 660 [(Specification)](https://www.sloan.com/general-spec/476)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4” Center Set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**SOLAR POWERED MID HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 275** solar powered faucet with all electronics built within the spout and 24-hour sentinel flush. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 275 [(Specification)](https://www.sloan.com/general-spec/301)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.9 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-275** deck mounted, solar powered with battery backup Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 275 [(Specification)](https://www.sloan.com/general-spec/401)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated die cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-277** deck mounted, solar powered with battery backup. Includes digital guided hand washing instructions for proper hygiene. Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 277 [(Specification)](https://www.sloan.com/general-spec/546)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**TURBINE POWERED MID HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, turbine power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-280** deck mounted capacitance Sensor Activated Electronic Faucet. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator.

 Product: EFX 280 [(Specification)](https://www.sloan.com/general-spec/376)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**BATTERY POWERED MID HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-250** deck mounted, battery powered Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 250 [(Specification)](https://www.sloan.com/general-spec/561)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 250** with all electronics built within the spout and 24-hour sentinel flush. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 250 [(Specification)](https://www.sloan.com/general-spec/571)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 85** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 85 [(Specification)](https://www.sloan.com/general-spec/506)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole], [4" Center set], [8" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 150** with all electronics built within the spout and 24-hour sentinel flush. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 150 [(Specification)](https://www.sloan.com/general-spec/566)

 Standard: ASME A112.18.1, ASSE 1070

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 425** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 425 [(Specification)](https://www.sloan.com/general-spec/6711)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material:

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 187** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 187 [(Specification)](https://www.sloan.com/general-spec/431)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4” Center Set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

G. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2350** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2350 [(Specification)](https://www.sloan.com/general-spec/426)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center Set] with integrated base

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

H. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2450** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2450 [(Specification)](https://www.sloan.com/general-spec/441)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

I. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 350** with all electronics built within the spout and Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 350 [(Specification)](https://www.sloan.com/general-spec/381)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**HARDWIRED MID HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 200** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 200 [(Specification)](https://www.sloan.com/general-spec/581)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.0 gpm, 3.8 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-200** deck mounted, hardwired, Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 200 [(Specification)](https://www.sloan.com/general-spec/551)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 100** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 100 [(Specification)](https://www.sloan.com/general-spec/321)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: EAF 300** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 300 [(Specification)](https://www.sloan.com/general-spec/12581)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 420** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 420 [(Specification)](https://www.sloan.com/general-spec/6696)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 80** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 80 [(Specification)](https://www.sloan.com/general-spec/521)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

G. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2300** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2300 [(Specification)](https://www.sloan.com/general-spec/306)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

H. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 225** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 225 [(Specification)](https://www.sloan.com/general-spec/501)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.5 gpm, 1.9 Lpm], 1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

I. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2400** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2400 [(Specification)](https://www.sloan.com/general-spec/311)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

J. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 880** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 880 [(Specification)](https://www.sloan.com/general-spec/361)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

K. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, tall height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-100** deck mounted, hardwired Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 100 [(Specification)](https://www.sloan.com/general-spec/481)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**SOLAR POWERED TALL HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered, tall height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-175** deck mounted, solar powered Infrared Sensor Activated Electronic Faucet. Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 175 [(Specification)](https://www.sloan.com/general-spec/406)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, solar powered, tall height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-177** deck mounted, solar powered with battery backup. Includes digital guided hand washing instructions for proper hygiene. Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 177 [(Specification)](https://www.sloan.com/general-spec/416)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**BATTERY POWERED TALL HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, tall height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-150** deck mounted, battery powered Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 150 [(Specification)](https://www.sloan.com/general-spec/391)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EAF 750** single piece construction with adjustable Line purge technology and self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 750 [(Specification)](https://www.sloan.com/general-spec/456)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die Cast Nickel constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 750** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 750 [(Specification)](https://www.sloan.com/general-spec/366)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Showerhead]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: SF 2250** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2250 [(Specification)](https://www.sloan.com/general-spec/351)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 775** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 775 [(Specification)](https://www.sloan.com/general-spec/5346)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**HARDWIRED TALL HEIGHT SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: EAF 700** Sensor activated, hardwired faucet. Electronics above deck with optional side mixing valve. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EAF 700 [(Specification)](https://www.sloan.com/general-spec/356)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 700** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 700 [(Specification)](https://www.sloan.com/general-spec/511)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Shower Head]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2200** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2200 [(Specification)](https://www.sloan.com/general-spec/331)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D.. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 770** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

Product: ETF 770 [(Specification)](https://www.sloan.com/general-spec/396)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [4" Center set]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**TURBINE POWERED TALL HEIGHT SINK FAUCETS**

A. . Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, turbine power, tall height.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-180** deck mounted capacitance Sensor Activated Electronic Faucet. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator.

 Product: EFX 180 [(Specification)](https://www.sloan.com/general-spec/556)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Deck

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

**BATTERY POWERED WALL SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery powered, wall mounted gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 550** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 550 [(Specification)](https://www.sloan.com/general-spec/586)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Shower Head]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, wall mount.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 815** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 815 [(Specification)](https://www.sloan.com/general-spec/7276)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, wall mount.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **EBF 825** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 825 [(Specification)](https://www.sloan.com/general-spec/7281)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power wall mount.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-850** wall mounted, battery powered, Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 850 [(Specification)](https://www.sloan.com/general-spec/526)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power, wall mount.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: EBF 850** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EBF 850 [(Specification)](https://www.sloan.com/general-spec/5351)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, battery power. mid height

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **SF 2850** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2850 [(Specification)](https://www.sloan.com/general-spec/12636)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [[Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

**HARDWIRED WALL SINK FAUCETS**

A. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, wall mount.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 810** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 810 [(Specification)](https://www.sloan.com/general-spec/7286)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

B. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, wall mounted.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 820** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 820 [(Specification)](https://www.sloan.com/general-spec/7291)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

C. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, wall mounted.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: BASYS **EFX-800** wall mounted hardwired Infrared Sensor Activated Electronic Faucet Product to have double infrared sensors with automatic setting feature. Solenoid valve housed in removable carrier that closes water supply upon removal eliminating, need to access control stops. Solenoid carrier includes strainer for easy above deck service. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: EFX 800 [(Specification)](https://www.sloan.com/general-spec/491)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Die-Cast constructed metal.

 Finish: [Polished Chrome Plated], [PVD Brushed Stainless], [PVD Brushed Nickel], [PVD Polished brass], [PVD Graphite]

 Maximum Flow Rate: [0.35 gpm 1.3 Lpm] [0.5 gpm, 1.9 Lpm], [1.5 gpm, 5.7 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar], [Laminar], [Aerated]

 Drain: [Not part of faucet] **<Insert Type>**

D. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, wall mounted.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: ETF 800** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 800 [(Specification)](https://www.sloan.com/general-spec/421)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

E. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, wall mounted.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company**: SF 2800** with serviceable solenoid filter and timeout setting feature. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: SF 2800 [(Specification)](https://www.sloan.com/general-spec/12631)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [0.35 gpm, 1.3 Lpm], [0.5 gpm, 1.9 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Multi-Laminar]

 Drain: [Not part of faucet] **<Insert Type>**

F. Sink faucet **<Insert Drawing Designation>** Automatic type, sensor activated, hardwired, gooseneck.

 Basis of Design Product: Subject to compliance with requirements, provide Sloan Valve Company: **ETF 500** with adjustment of settings wirelessly via Apple or Android smartphones. Faucet shall include cast brass body, quick-connect fittings, twist-off/shut-off solenoid assembly and removable battery cartridge. Self-cleaning aerator. Must meet NSF/ANSI/CAN 61: Q < 1. Annex G “Drinking Water System Components Health Effects,” for faucet materials that will be in contact with potable water.

 Product: ETF 500 [(Specification)](https://www.sloan.com/general-spec/341)

 Standard: ASME A112.18.1, UPC Certified, UPC Low Lead Compliant

 Electrical Components: Devices, and accessories: Listed and labeled as defined in NEPA 70, by a qualified testing agency, and marked for intended location and application.

 General: Include hot and cold indicators: coordinate faucet inlets with supplies and fixture hole punching’s: coordinate outlet with spout and fixture receptor.

 Body Type: [Single Hole]

 Body Material: [Commercial], [General Duty], Chrome plated Cast Brass constructed metal.

 Finish: [Polished Chrome Plated]

 Maximum Flow Rate: [1.0 gpm, 3.8 Lpm], [1.5 gpm, 5.7 Lpm], [2.2 gpm, 8.3 Lpm]

 Mounting Type: Wall

 Spout: Rigid Type

 Spout Outlet: [Laminar], [Shower Head]

 Drain: [Not part of faucet] **<Insert Type>**

**PART 3 – EXECUTION**

* 1. **EXAMINATION**

A. Examine roughing-in of water supply and sanitary drainage and vent piping systems to verify actual locations of piping connections before urinal installation.

B. Examine walls and floors for suitable conditions where urinal will be installed.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

* 1. **INSTALLATION**

A. Urinal Installation:

a. Install level and plumb according to roughing-in drawings.

b. Install wall hung urinal onto waste fitting seals and attach to supports.

c. Indicate on Drawings those water closets that are required to be accessible.

d. Install wall hung urinal with tubular waste piping attached to supports.

e. Install accessible, wall-mounted urinals at mounting height for the handicapped/elderly, according to ICC/ANSI A117.1.

f. Install trap-seal liquid in waterless urinals.

 B. Support Installation

a. Install supports, affixed to building substrate, for wall hung urinals.

b. Use off floor carrier supports with waste-fitting assembly and seal for back outlet urinals.

c. Use carriers without waste fitting for urinals with tubular waste piping.

d. Use chair-type carrier supports with rectangular steel uprights for accessible urinals.

 C. Flush valve Installation

a. Install flushometer-valve, water-supply fitting on each supply to each urinal.

b. Attach supply piping to supports or substrate within pipe spaces behind fixtures.

c. Install lever-handle flushometer valves for accessible urinals with handle mounted on open side of compartment.

d. Install fresh batteries in battery-powered, electronic-sensor mechanisms.

D. Wall Flange and Escutcheon Installation:

a. Install wall flanges or escutcheons at piping wall penetrations in exposed, finished locations and within cabinets and millwork.

b. Comply with escutcheon requirement specified in Section 220518 “Escutcheons for Plumbing Piping.”

c. Install deep-pattern escutcheons if required to conceal protruding fittings.

E. Joint Sealing:

a. Seal joints between water closets, walls and floors using sanitary type, one-part, mildew-resistant silicone sealant.

b. Match sealant color to water closet color.

c. Comply with sealant requirements specified in Section 079200 “Joint Sealants.”

* 1. **CONNECTIONS**

A. Connect urinals with water supplies and soil, waste, and vent piping. Use size fittings required to match urinals.

B. Comply with water piping requirements specified in Section 221116 "Domestic Water Piping."

C. Comply with soil and waste piping requirements specified in Section 221316 "Sanitary Waste and Vent Piping."

D. When installing piping adjacent to water closets, allow space for service and maintenance.

* 1. **ADJUSTING**

A. Operate and adjust urinals and controls. Replace damaged and malfunctioning urinals, fittings, and controls.

B. Adjust water pressure at flushometer valves to produce proper flow.

C. Install fresh batteries in battery-powered, electronic-sensor mechanisms.

* 1. **CLEANING AND PROTECTION**

A. Clean urinals and fittings with manufacturers' recommended cleaning methods and materials.

B. Install protective covering for installed urinals and fittings.

C. Do not allow use of urinals for temporary facilities unless approved in writing by Owner.

**END OF SECTION 224213.16**