

- ADA, ANSI and UFAS Compliant
- Serves One or Two Users at a Time
- Continuous Bowl is Constructed of Vandal Resistant Terreon® or Terreon®RE Solid Surface Material
- Available in 32 Terreon or TerreonRE Colors
- Reliable Plug-in, Battery or ndite® Infrared Activation, Push Button Air Valve, or TouchTime® Metering Control
- Optional Electric Tankless Water Heater

Specifications

Accommodates one or two users. These units handle washroom traffic quickly and economically, while providing each user with their own personal space. The lavatories for the Express® system are positioned on 30" centers. The preassembled sprayhead module is equipped with independent aerators each served by a separate infrared sensing module and solenoid valve (Model SS-2N/IR) or (Model SS-2N/NDT), a push button air metering valve (Model SS-2N/AST4), an independent battery IR sensor and batteries (Model SS-2N/BIR3) or a push button TouchTime electronic metering valve (Model SS-2N/TT). Standard flow rate of .5 GPM meets industry standards for water conservation while providing enough water to rinse hands quickly and efficiently. Operating range is 20–80 PSI. Flow restrictor keeps flow rate constant at all pressures.

Construction

Bowl/Sprayhead Cover

Constructed of Terreon, a densified solid surface material composed of polyester resin, or TerreonRE, a densified solid surface material composed of a bio-based resin and preconsumer recycled granules. Terreon and TerreonRE are resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives. Terreon and TerreonRE are certified by NAHB to meet ANSI Z124.3, Z124.6 and ANSI/ICPA SS-1. Terreon and TerreonRE are GREENGUARD® certified as low-emitting materials.

Pedestal Panels & Sprayhead Body

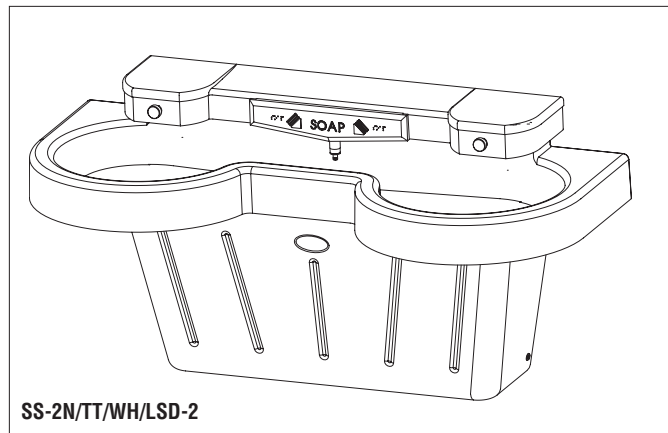
Access panels are composed of vacuum-formed acrylic laminate. Sprayhead bodies are injection molded poly-blend. Highly resistant to impact, abrasion, acid and corrosion, the parts will not dent, chip, peel or flake.

Support Frame

Bowl assembly and panel are secured to a heavy gauge stainless steel support frame mounted to the wall. Standard frame (floor unit) includes scuff base.

Vandal Resistance

The molded sprayhead is an integral part of the bowl module. Its concealed vandal resistant streamformers discourage abuse. The infrared sensor will automatically shut off water flow after 30–45 seconds if a vandal attempts to trigger constant operation by covering the sensor or by placing a stationary object in the sensor's detection area. Push buttons are secured to the unit from inside the sprayhead. Air valves, water supplies, control boxes, and waste are concealed within the pedestal/support frame assembly.



SS-2N/TT/WH/LSD-2

Code Compliance and Certifications

ANSI Standards

Terreon and TerreonRE are certified by NAHB to meet ANSI Z124.3, Z124.6 and ANSI/ICPA SS-1.

cUPC Approval

Express Lavatory Systems are Uniform Plumbing Code (UPC), International Plumbing Code (IPC) and National Plumbing Code of Canada (NPC) approved through the International Association of Plumbing and Mechanical Officials (IAPMO). Manufactured in compliance with IGC 156, CSA B45 Series (R08) & ASME A112.18.1/CSA B125.1.

- This plumbing fixture is designed for hand washing only. It is not Intended to dispense water for human consumption through drinking or for preparation of food or beverages.

Standard Frame

The standard frame on the Express SS-Series includes a scuff base and is designed to comply with all ADA guidelines on reaches, clearances and operation for adult users.

Wall-Hung Frame

The wall-hung frame on the Express® SS-Series (less scuff base above) is designed to mount at different heights (adult and children) to comply with guidelines on reaches, clearances and operation for various codes including, ADA Accessibility Guidelines for Buildings and Facilities (ADAAG) and TAS (Texas Accessibility Standards). Always check your local and state codes.



Verify all rough-in dimensions prior to installation.

Consult local and national codes. Conformity and compliance to local and national codes is the responsibility of the installer.

Standard Equipment

Bowls

Bowl with two lavatories, pedestal, stainless steel mounting frame (as described above), and the following fittings: P-trap; tailpiece; two flexible stainless steel supply connections; and Navigator® thermostatic mixing valve with stop valves, and 110/24 VAC plug-in transformer (Model SS-2N/IR and SS-2N/TT only). Batteries are included in Model SS-2N/BIR3.

Activation Controls

Infrared Sensor (Model SS-2N/IR)

Each of the aerators is controlled by a separate solenoid valve. Hands placed within the bowl are detected by an infrared sensor module which activates a flow of tempered water from one station. Shut-off is automatic after hands are removed from the detection area.

The infrared sensor uses a conical shaped transmitting beam, having a detection area adapted to, but not exceeding the bowl perimeter. The detection area projects forward 15° to each side and 15° below horizontal. The adaptive infrared sensor automatically adapts to the bowl after power is turned on.

The infrared sensor is not affected by varying color tones or darkness. Direct sunlight or bright washroom lights will not activate the system. Infrared models also include solenoid valves and a low voltage transformer as standard equipment:

- Solenoid - 24V, 50/60 Hz, 3/8" NPT. Few moving parts, and resistant to most chemicals, minerals and impurities often present in municipal water supplies.
- Low Voltage Transformer - Class II UL/CSA listed, 110/24 VAC plug-in transformer. Plugs into a standard GFCI protected electrical outlet.

Air Valve Hand Control (Model SS-2N/AST4)

Each push button pneumatically actuates a non-hold-open, air metering, single temperature valve with field adjustable timing from 0–45 seconds. Factory preset at 10 seconds. Each push button activates one valve which, in turn, activates one station.

TouchTime Metering Control (Model SS-2N/TT)

Each low voltage push button actuates a non-hold-open, slow closing anti-hammer solenoid valve that is timed from an electronic potted assembly. Each push button activates one valve, which, in turn, activates one station. TouchTime controls water flow at each station through the use of solid-state, digital circuitry. Timing is electronically controlled at 15 seconds.

Battery Infrared Sensor (Model SS-2N/BIR3)

Each battery-powered sensor uses a zone-focused infrared transmitting beam, creating a large detection area not exceeding the bowl perimeter. The sensor is not affected by varying skin tones or darkness. When hands enter the detection area, the sensor starts water flow by opening the valve electronically. When hands leave the detection area, the sensor stops the flow of water by closing the electronically activated solenoid valve. The 6-volt DC, electronically activated solenoid valve has few moving parts, providing reliable operation that is unaffected by most chemicals and minerals often present in municipal water supplies. Each station is powered by a single lithium battery. Battery type is Duracell® DL 223A 6-volt lithium or equivalent (batteries included) with a life expectancy of 4–5 years or approximately 200,000 cycles.

ndite Infrared Control (Model SS-2N/NDT)

The photovoltaic cells are permanently embedded in the top of the sprayhead with a clear version of Terreon or TerreonRE.

The ndite power management module is a proprietary unit that stores and provides power to the sensors and solenoid. This efficient module allows the system to work without batteries, eliminating the need to change or dispose of batteries.

Each ndite-powered sensor uses a conical shaped transmitting beam, having a detection area adapted to, but not exceeding the bowl perimeter. The detection area projects forward 15° to each side and 15° below horizontal. The adaptive infrared sensor automatically adapts to the bowl after power is turned on. The electronically activated solenoid valve has few moving parts, providing reliable operation that is unaffected by most chemicals and minerals often present in municipal water supplies.

Each lavatory system is powered by one ndite power management module. Restrooms with 400 lux of lighting will provide a sufficient amount of light to power the system. For more information on ndite technology, visit bradleycorp.com.

Optional Equipment

Thermostatic Electric Tankless Water Heater

The optional tankless electric water heater is equipped with a microprocessing temperature control capable of maintaining outlet temperature accuracy of +/- 1° F. Factory preset at 105° F. Flow switch activates heater only on demand with 99% efficiency. For easy service, the heater features a replacement cartridge element. Heaters not available with BIR3 or NDT activations.

Model	KW	VAC	Amps	Temp. Rise @ 1 GPM
EX95TMLB	9.5	240/208*	40	65° F
EX100TMLB	10	277	36	68° F

*240 volt can also be rated 208 volts with a 25% reduction in power.

Terreon and TerreonRE Waste Receptacles

Terreon and TerreonRE Waste Receptacles, Model SS-WR, feature a solid surface cover and vacuum-formed acrylic laminate base. The waste receptacle with Terreon or TerreonRE covers comes equipped with support brackets and mounting hardware. Install this Waste Receptacle between Express Lavatory Systems or at the end of an alcove. For more information on Terreon and TerreonRE Waste Receptacles for the Express SS-Series, visit www.bradleycorp.com.

Soap Dispensers

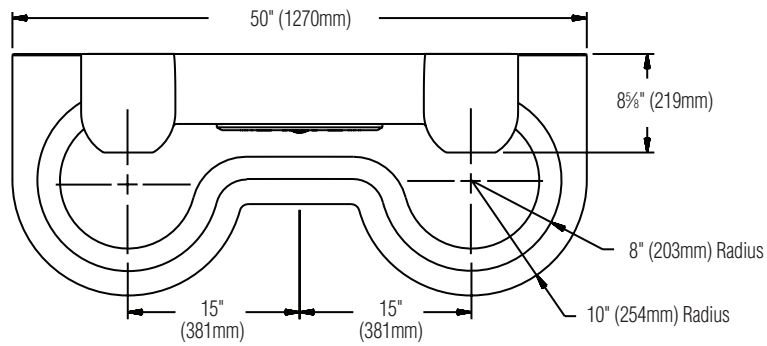
The Express SS-Series features an optional soap dispenser. Each hi-impact polymer tank is gravity-fed with a vertically mounted chrome plated brass valve. For refilling, the soap tank is easily removed from the sprayhead body by releasing a concealed, tamper-resistant leaf spring, which locks the tank in place. The soap valve will dispense vegetable/coconut oil liquid soaps, synthetic detergents, viscous lotion soaps and antiseptic solutions. Soap tank capacity is 3/4 gallon.

Verify all rough-in dimensions prior to installation.

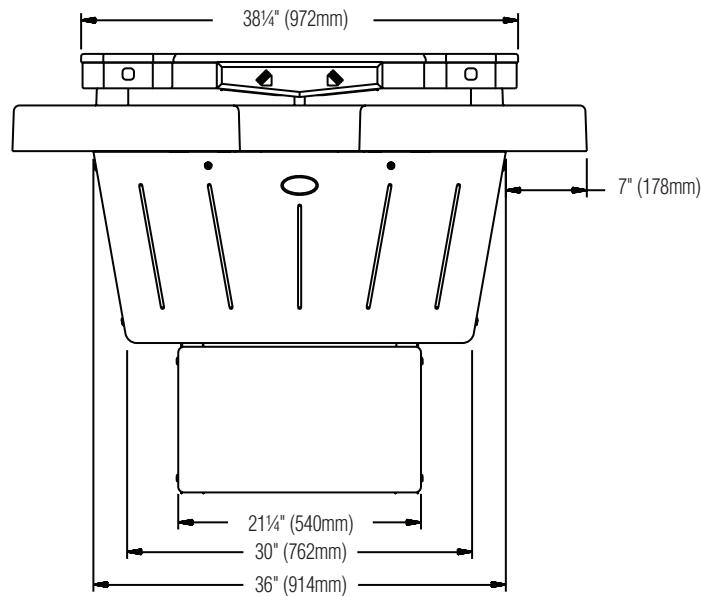
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Dimensions - Top and Front Views

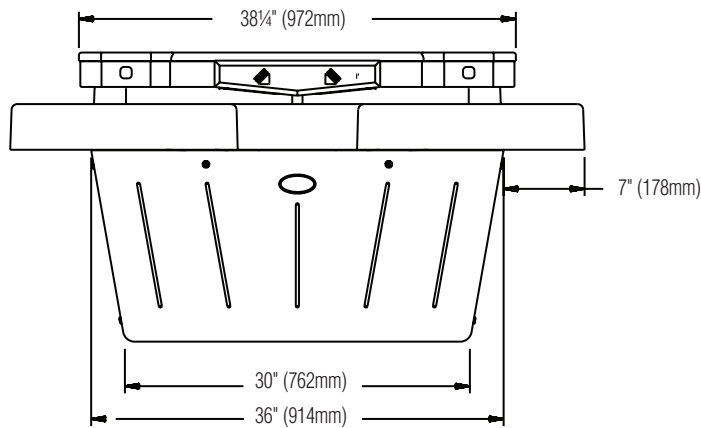
Top View



**Front View
Standard Frame**



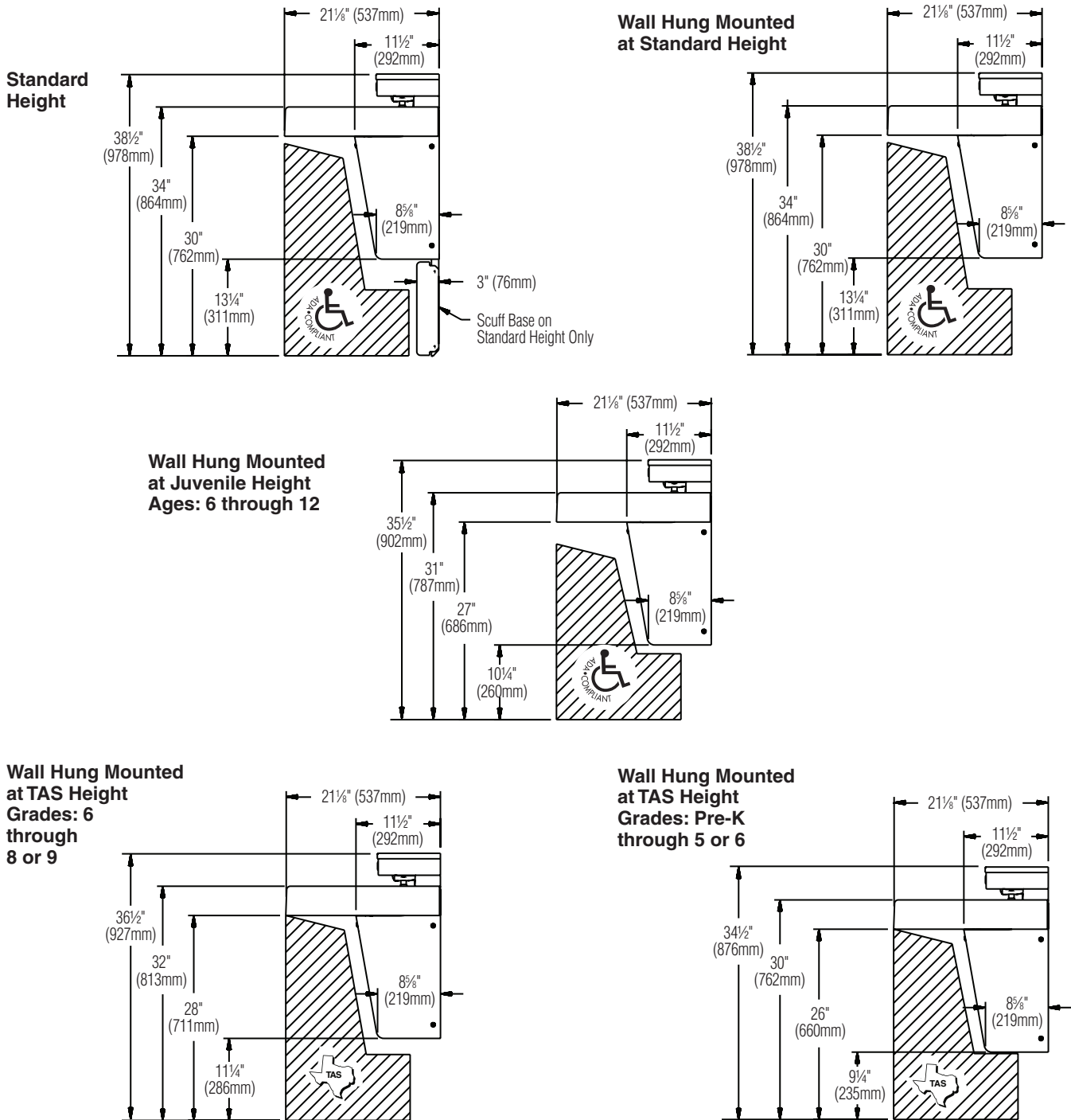
**Front View
Wall-Hung Frame**



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Dimensions - Side Views



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Rough-Ins

Mounting for Standard and Wall Hung Heights Are Shown

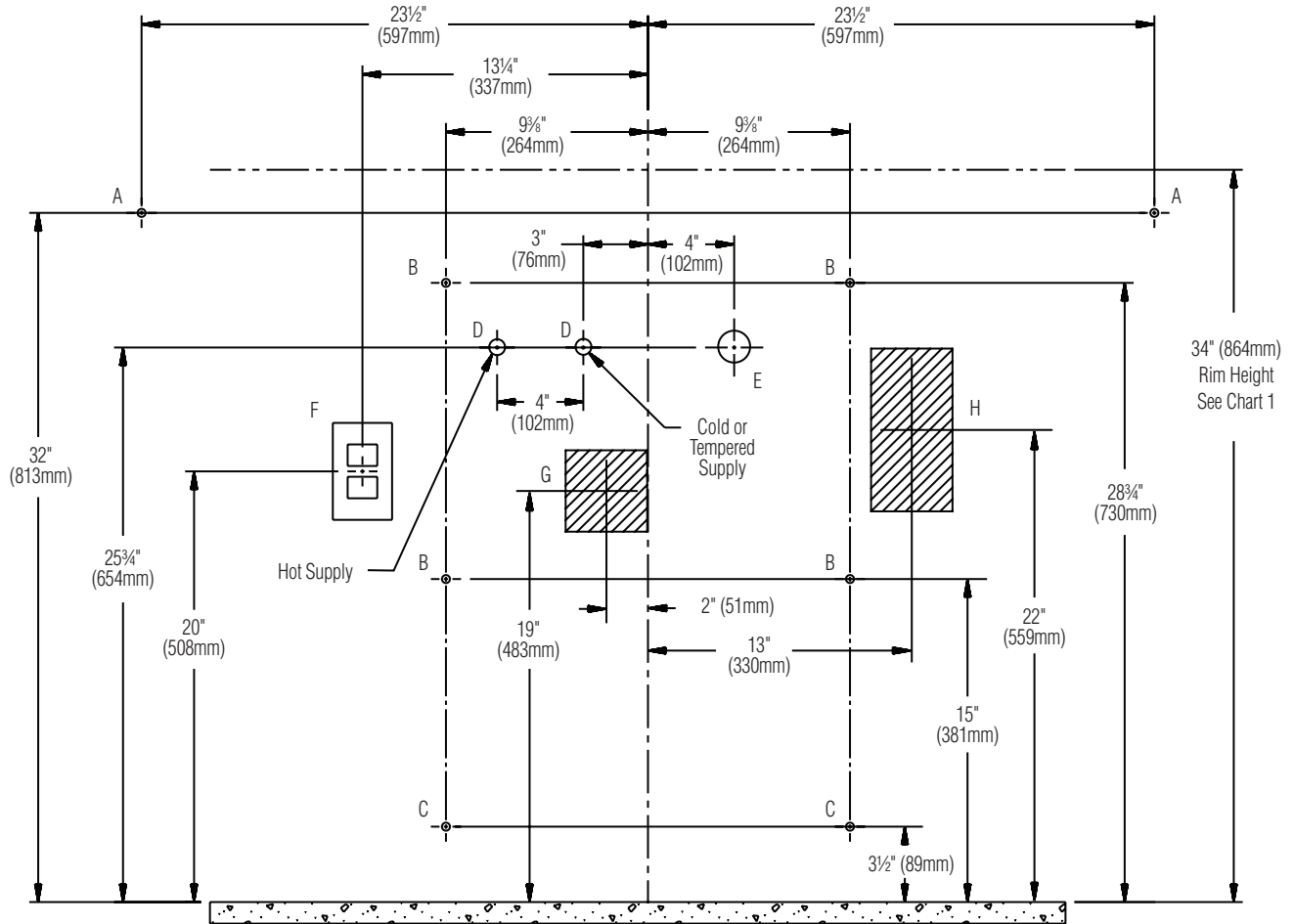


Chart 1

Rim Height	Vertical Height Adjustments Codes A, B, C, D, E, F, G and H	Fixture Style
34"	None	Standard Height
34"	None	Wall Hung
32"	Subtract 2"	TAS, Grades 6 through 8 or 9
31"	Subtract 3"	Juvenile Height
30"	Subtract 4"	TAS, Pre-K through Grades 5 or 6

Chart 2

Code	Description	Qty.
A	3/8" Bowl Wall Anchors with a minimum pull out force of 1,000 lbs.	2
B	3/8" Main Frame Wall Anchors with a minimum pull out force of 1,000 lbs.	4
C	3/8" Base Frame Wall Anchors with a minimum pull out force of 1,000 lbs. Standard frame option only	2
D	1/2" Nominal Copper Tubing for Hot/Cold Supplies, Stub-Out 2" from Wall	2
E	1 1/2" NPT Drain, Stub-Out 2" from Wall	1
F	110V GFCI Protected Electrical Outlet. I.R. and TouchTime Only	1
G	Optional Heater, Electric Box Location 4" L x 4" W x 4" H – Option 1	1
H	Optional Heater, Electric Box Location 4" L x 4" W x 8" H – Option 2	1

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Standard Selections (Must select one from each category)			
Sprayhead			
<input type="checkbox"/> IR	Sprayhead w/Infrared Control		
<input type="checkbox"/> AST4	Sprayhead w/Air Valve Control		
<input type="checkbox"/> TT	Sprayhead w/TouchTime® Control		
<input type="checkbox"/> BIR3	Sprayhead w/Battery Infrared Control		
<input type="checkbox"/> NDT	Sprayhead w/ndite® Infrared Control *		
Pedestal (select one)			
<input type="checkbox"/> STD	Standard Frame (Includes Scuff Base)		
<input type="checkbox"/> WH	Wall-Hung Frame		
Soap Dispenser (select one)			
<input type="checkbox"/> LSD-2	Liquid Soap Dispenser (SS-2N)		
<input type="checkbox"/> NSD	No Soap Dispenser		
Water Supply (select one)			
<input type="checkbox"/> TMA	Navigator® Thermostatic Mixing Assembly (Hot and Cold Supplies)		
<input type="checkbox"/> TL	Single Tempered Line		
Color of Terreon Bowl/Sprayhead Cover (select one)			
<i>Standard Colors</i>			
<input type="checkbox"/> E-GRAY	Empire Gray	<input type="checkbox"/> GRAPH	Graphite
<input type="checkbox"/> BONE	Mesa Bone	<input type="checkbox"/> LANNON	Lannonstone
<input type="checkbox"/> PEP-WHT	Peppered White	<input type="checkbox"/> COBBLE	Cobblestone
<input type="checkbox"/> SAND	Sandtrap	<input type="checkbox"/> WHT-SAND	White Sand
<input type="checkbox"/> DS-WHT	Designer White	<input type="checkbox"/> FIESTA	Fiesta
<input type="checkbox"/> CHAR	Charcoal Gray	<input type="checkbox"/> LONDON	London Gray
<input type="checkbox"/> JADE	Jade	<input type="checkbox"/> O-TAUPE	Organic Taupe
<i>Designer Colors* (available at an additional charge)</i>			
<input type="checkbox"/> ARC-CHIP	Arctic Chip	<input type="checkbox"/> COFFEE	Coffee Bean
<input type="checkbox"/> S-SAGE	Summer Sage	<input type="checkbox"/> CORN	Cornfield
<input type="checkbox"/> RIVER	Riverstone	<input type="checkbox"/> BLUESKY	Blue Sky
<input type="checkbox"/> MYSTIC-M	Mystic Moss	<input type="checkbox"/> HILLSIDE	Hill Side
<input type="checkbox"/> STAR-D	Stardust	<input type="checkbox"/> MOUNTAIN	Mountain Top
<i>TerreonRE Colors* (available at an additional charge)</i>			
<input type="checkbox"/> BIRCH-BARK	Birch Bark	<input type="checkbox"/> MAIZE	Maize
<input type="checkbox"/> DUSK	Dusk	<input type="checkbox"/> MOONDUST	Moon Dust
<input type="checkbox"/> FERN	Fern	<input type="checkbox"/> OAT	Oat
<input type="checkbox"/> OCEAN-MIST	Ocean Mist	<input type="checkbox"/> OLIVE	Olive
Color of Access Panel/Sprayhead Body (select one)			
<input type="checkbox"/> GRAY	Gray	<input type="checkbox"/> PUTTY	Putty
<input type="checkbox"/> COAL	Coal		
Optional Selections			
Heaters (Not Available with BIR3 or NDT Activations):			
<input type="checkbox"/> Heat277	Electric Tankless Water Heater, 277 Volts		
<input type="checkbox"/> Heat240-208	Electric Tankless Water Heater, 240/208 Volts		
P-Trap:			
<input type="checkbox"/> S-CHROME	Single Chrome-Plated P-Trap		

*Non-cancelable, non-returnable

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