

PERFORMANCE BASED SPECIFICATIONS INTEGRATED SINK SYSTEM

A. Integrated Sink System Unit (ISS): Deck with integral rectangular bowl, with under-deck enclosure panels, low-flow faucet, [liquid soap dispenser,] and high-efficiency hand dryer, with stainless steel support system.

1. Deck Mounted High-Speed Energy Efficient Hand Dryer with dual air outlets and reverse airflow.
2. Configuration: [Single] [Two] [Three] [Insert number] wash station unit.
 - a. Size: [24 by 30 inch (584 by 762 mm)] [24 by 60 inches (584 by 1524 mm)] [24 by 90 inch (584 by 2286 mm)] [As indicated on Drawings]
3. Mounting: [Wall-mounted, free-standing] [Wall-mounted, alcove] [Floating stand-alone].
 - a. Mounting Height to Sink Rim: [34 inches (863 mm)] [Insert dimension], unless otherwise indicated on Drawings
4. Deck Material: [Solid surface material] [Quartz agglomerate material] [Stone].
 - a. Color: [As selected by Architect from manufacturer's full range] [Insert color].
 - b. Color: [As selected by Architect from manufacturer's full range]
5. Style of Deck to include bowls or gradient with infinity drain
 - a. Bowl: Solid surface material, under-mounted, 25 by 15 inches (635 by 381 mm).
 - b. Gradient: Solid surface material with infinity drain.
 - c. Color: [As selected by Architect from manufacturer's full range.]
6. Enclosure: [Solid surface material] [Stainless Steel] [HDPE Plastic] [Plastic- laminate-clad MDF] [Phenolic] [Insert material] demountable panels.
 - a. Color and Pattern: [As selected by Architect from manufacturer's full range] [Insert color].

B. Accessories

DECK MOUNT HIGH-SPEED ENERGY EFFICIENT HAND DRYER

1. Deck-mounted dryer with 15 Seconds or Less Dry Time – Tested to UL Environment Global Product Category Rules (PCR)
 - a. Deck Mounted Dryer Spout Dimensions: Width 3 3/8", Height 7 1/2", Depth 10 13/16"
 - b. Wattage: 1440 Watts
 - c. IP Rating: IP11B
 - d. Amperage: 12A
 - e. Volts: 120V
 - f. Adjustable Speed
 - g. Adjustable Heat Settings - High, Medium, Low & Off
 - h. Electrostatic HEPA Filtration (eHEPA®) System
 - i. Patent Pending Sound Suppression Air Delivery System
2. Motor shall be thermally protected, series commutated through-flow discharge vacuum motor/blower (5/8 hp / 24,000 rpm)

FAUCET

1. Faucet: Deck-mounted electronic handwashing faucet.
 - a. Touch-free electronic faucet for deck mounting.
 - b. Flow Rate: [Not greater than 1.50 gpm [6 lPm / 1.58 GPm - ssr PCA stream].
 - c. Material and Finish: [Die-cast, polished chrome finish] [Insert finish].
 - d. Water Supply: Cold or premixed water. 1) Solenoid Valve: 6.75 VDC, 50/60 Hz, electronically-activated, in a removable carrier.
 - e. Operating pressure: 0.5-8.0 bar / 7.0-116.0 Psl.
 - f. Mixer Lever: Removable mechanical lever for manual pre-setting of
 - g. Mixing Valve: Thermostatic mixing valve, ASSE 1070 listed, with stop/strainer/check valves, and flexible stainless-steel connectors.
 - h. Activation Controls: Low-voltage self-adjusting sensor using infrared transmitting beam and adjustable timed turn-off delay.
 - i. Power Pack: Class II, UL, CSA-listed plug-in transformer

SOAP

1. Soap Dispenser: Below-deck-mounted unit with electronic sensor-operated valve, integrated into lavatory basin, with integral check valve.
 - a. Touch-free electronic soap dispenser for deck-mounted installations
 - b. Material and Finish: [Die-cast, polished chrome finish] [Insert finish].
 - c. Soap Refills: [1.5L Reservoir for bulk soap] [5L Reservoir for bulk soap] [Disposable proprietary cartridges].
 - d. Soap Dose: Default setting: 1.2-1.6 cc
 - e. Soap Viscosity: 100-3800 cPs

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LAVATORY DECK MATERIALS

1. Solid Surface Material: Homogeneous-filled plastic resin complying with ICPA SS-1.1.
 - a. Products: Provide one of the following:
 1. E. I. du Pont de Nemours and Company; Corian.
 2. LG Chemical, Ltd.; HiMacs Solid Surface.
 - b. Integral Sink Bowls: Solid surface material complying with CSA B45.5/IAPMO Z124, with optional tethered stainless-steel strainers and integral tailpieces.

ENCLOSURE MATERIALS

1. Solid Surface Material: Homogeneous-filled plastic resin complying with ICPA SS-1.1.
 - a. Products: Provide one of the following:
 1. E. I. du Pont de Nemours and Company; Corian.
 2. LG Chemical, Ltd.; HiMacs Solid Surface.
 - b. Integral Sink Bowls: Solid surface material complying with CSA B45.5/IAPMO Z124, with optional tethered stainless-steel strainers and integral tailpieces
2. High-Pressure Decorative Laminate: NEMA LD 3, Grade HGS.
 - a. Products: Provide one of the following:
 1. Formica Corporation; Formica Laminate.
 2. Wilsonart; High Pressure Laminate.
3. Phenolic Composite: Solid, high-pressure decorative laminate fused to substrate during panel manufacture, complying with NEMA LD 3, Grade CGS.
 - a. Products: Provide one of the following:
 1. Formica Corporation; Compact Structural Laminates.
 2. Wilsonart; Compact Laminate.
4. Stainless Steel: 18-22 gauge fabricated stainless-steel enclosure.
 - a. Products: Provide one of the following:
 1. Type 304, Brushed Stainless Finish
 2. Type 304, [Finish approved by Architect]
5. HDPE Formed Plastic: 0.25 – 0.375 inch thick formed plastic enclosure
 - a. Products: Provide one of the following:
 1. GEM Plastics
 2. King Plastics

ACCESSORY MATERIALS

1. Composite Wood Products: Formaldehyde-free.
 - a. Medium-Density Fiberboard (MDF): ANSI A208.2, Grade 130.
 - b. Softwood Plywood: DOC PS 1, exterior.
2. Stainless Steel Brackets: AISI Type 304, cold-formed.
3. Removable Access Panel Fasteners: Integrated Z-clips or Sliding by-pass doors.
4. Fabrication Adhesive: Product recommended by the material manufacturer.
 - a. Medium-Density Fiberboard (MDF): ANSI A208.2, Grade 130.
 - b. Softwood Plywood: DOC PS 1, exterior.
 - c. Organic Chemical Emissions from Indoor Sources Using Environmental Chambers.
5. Installation Sealant for Unit-to-Wall Joints: Silicone, mildew-resistant, single-component, nonsag, plus 25 percent and minus 25 percent movement capability, nontraffic-use, acid-curing silicone joint sealant; ASTM C 920, Type S, Grade NS, Class 25, Use NT.