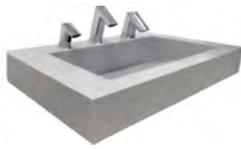


AER-DEC™-81000/82000/83000/84000 Integrated Sink System

Single/Double/Triple/Quadruple Station Corian® or Quartz Lavatory Systems



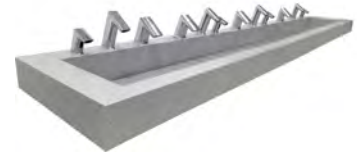
AD-81000
Deck Sink Lavatory System
Corian/Quartz (Pages 2-3)



AD-82000
Deck Sink Lavatory System
Corian/Quartz (Pages 4-5)



AD-83000
Deck Sink Lavatory System
Corian/Quartz (Pages 6-7)



AD-84000
Deck Sink Lavatory System
Corian/Quartz (Pages 8-9)

IMPORTANT



Read this entire installation manual to ensure proper installation. When finished with the installation, file this manual with the owner or maintenance department. Compliance and conformity to local codes and ordinances is the responsibility of the installers.



Separate parts from packaging and make sure all parts are accounted for before discarding any packaging material. If any parts are missing, do not begin installation until you obtain the missing parts.



Make sure that all water supply lines have been flushed and then completely turned off before beginning installation. Debris in supply lines can cause valves to malfunction.



Turn OFF electrical power to the electrical outlets, then unplug all electrical units prior to installation. Electrical power MUST remain off until installation is complete.



Installer's hardware must be appropriate for wall construction. Wall anchors must have a minimum pull-out rating of 1,000 lbs.



For standard height mounting, do not exceed the recommended 34" distance from the top of the lav deck to the finished floor. To meet ADA requirements, the lav deck cannot exceed the 34" maximum height dimension.



Wear all proper safety equipment prior to installation.

PRIOR TO INSTALLATION

Important:

- Adequate structural support in or behind the wall is required. Refer to the appropriate rough-in diagram for dry weight of sink.
Refer to pages 10 and 11 for sink and stud support requirements.

- All plumbing should be installed in accordance with applicable codes and regulations.**
- Before connecting flex hoses to supply stops, flush all water lines until water is clear.
- Hot and cold water supply lines/tempered supply line and drain lines.

SUPPLIES REQUIRED FOR INSTALLATION OF SINKS

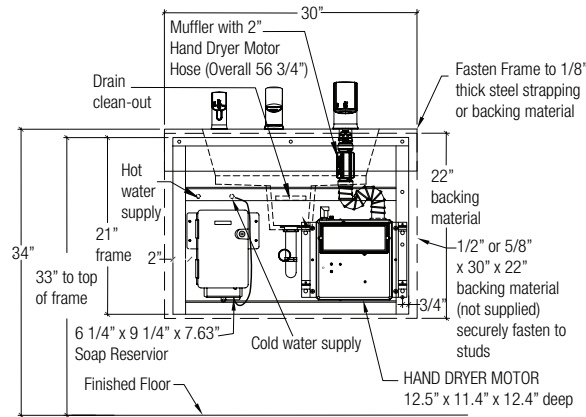
- 3/8" x 2 1/2" lag screws, wall anchors, bolts (minimum pull-out rating of 1000 lbs./450 kg). See Frame Mounting Support drawing for required lag screws for your specific lavatory system.
- 1/2" NPT hot/cold or tempered supply piping
- 1 1/2" NPT drain piping including p-trap
- Adhesive: Loctite® PL Premium® FAST GRAB Polyurethane Construction Adhesive
- 110 volt GFCI protected electrical outlet for 100-120 VAC plug-in transformer
- Screen filter(s) included with faucet(s)
- Backing supplied by others to meet local codes

LIMITED WARRANTY

Unless otherwise noted, Sloan Valve Company warrants its Products to be made of first class materials, free from defects of material or workmanship under normal use and to perform the service for which they are intended in a thoroughly reliable and efficient manner when properly installed and serviced, for a period of three years (1 year for SF Faucets, special finishes and PWT electronics and 30 days on PWT software) from date of purchase. During this period, Sloan Valve Company will, at its option, repair or replace any part or parts which prove to be thus defective if returned to Sloan Valve Company, at customer's cost, and this shall be the sole remedy available under this warranty. No claims will be allowed for labor, transportation or other incidental costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company's products directly from Sloan Valve Company for purpose of resale. This warranty does not cover the life of the batteries.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO EVENT IS SLOAN VALVE COMPANY RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY MEASURE WHATSOEVER.

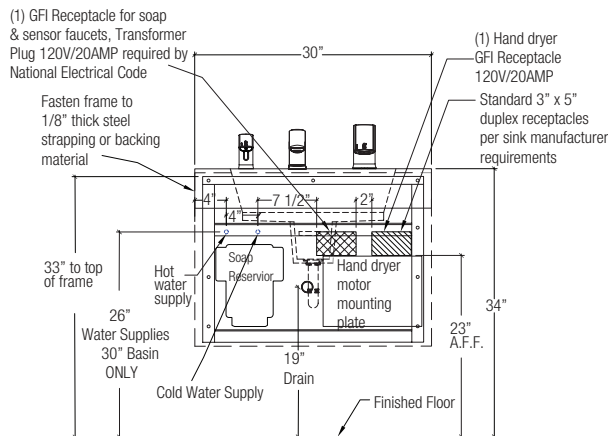
LAVATORY SYSTEM ROUGH-IN DIMENSIONS FRONT VIEW SINGLE STATION



NOTES:

1. Mount Hand Dryer Motor Hose and soap dispenser to spec. location
2. Slip frame over mounted components and properly fasten frame to backing material

LAVATORY SYSTEM ROUGH-IN PLUMBING & ELECTRICAL DIMENSIONS FRONT VIEW SINGLE STATION

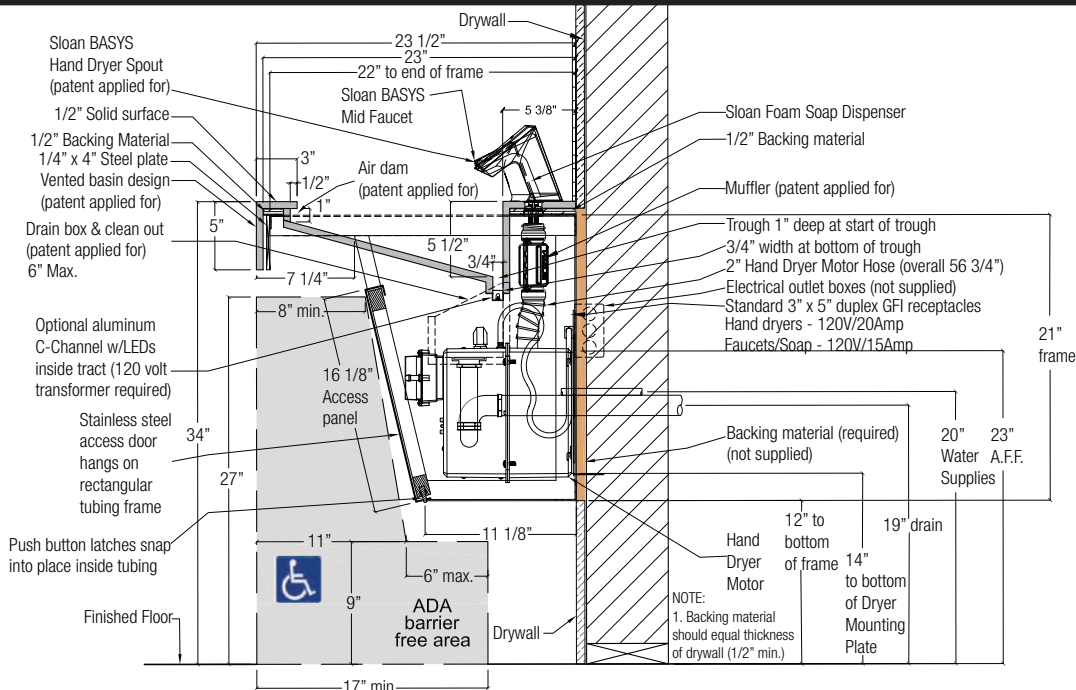


NOTES:

1. Hand Dryer Motor alone is only 500 watts or less with speed control
2. Hand Dryer Motor with heater requires 1500 watts or less with speed control
3. Hand Dryer Motor must be plugged into a dedicated 20 amp GFI safety circuit
4. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug
5. cut backing to allow for electrical and plumbing components

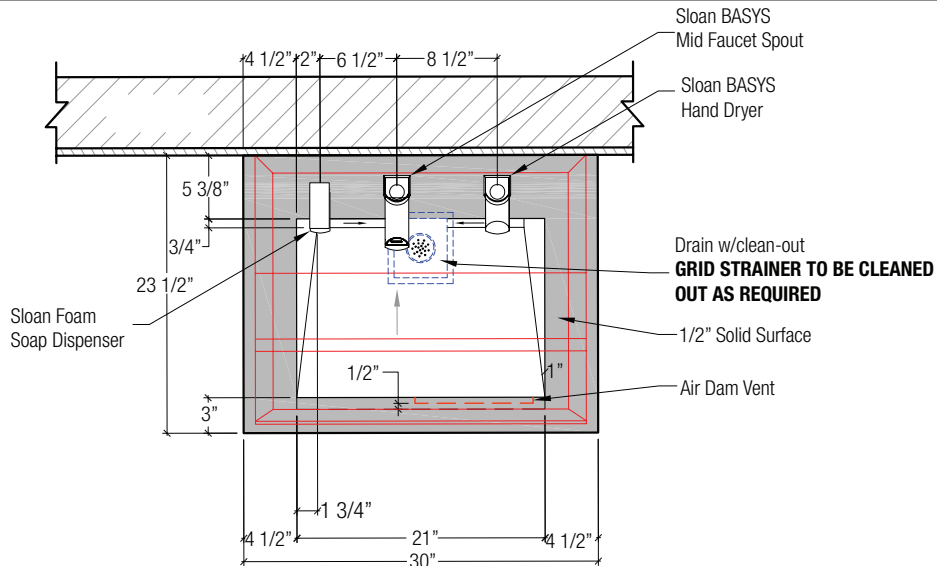
ROUGH-IN PLUMBING & ELECTRICAL

LAVATORY SYSTEM ROUGH-IN DIMENSIONS SIDE VIEW SINGLE STATION

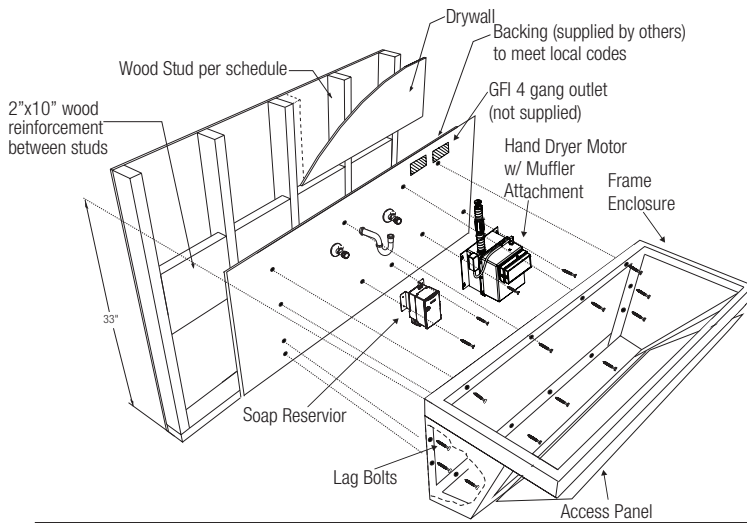


NOTE:
1. Backing material should equal thickness of drywall (1/2" min.)

LAVATORY SYSTEM ROUGH-IN DIMENSIONS TOP VIEW SINGLE STATION

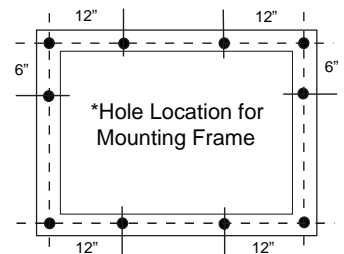


DRAIN ASSEMBLY AND FRAME ENCLOSURE MOUNTING SUPPORT SINGLE STATION



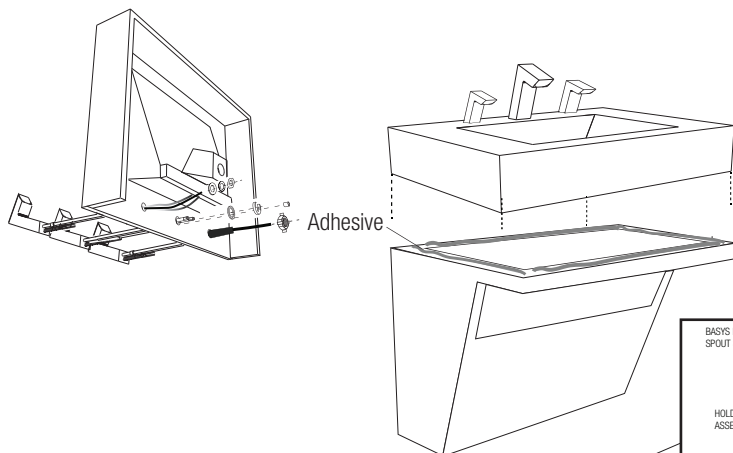
1. Measure outside of frame. Cut-out drywall window.
2. Remove drywall window.
3. Replace with backing supplied by others (per local code).
4. Using mounting template, mount hand dryer motor, Soap Dispenser Pump (optional) and electrical outlets to backing.

5. Mount top of frame at 33" above finished floor.
6. Securely fasten with 1,000 Lb pull out lag bolts.
7. Attach access panel to frame.



***Due to manufacturing tolerances, all dimensions are for reference only.**

MOUNTING FAUCETS, SOAP DISPENSERS & HAND DRYERS / ATTACHING DECK TO FRAME ENCLOSURE SINGLE STATION

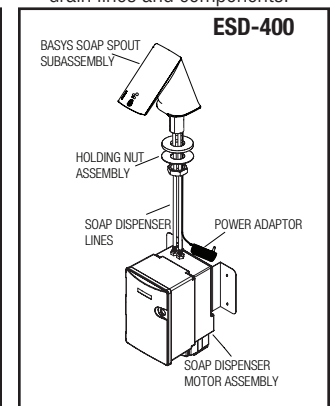
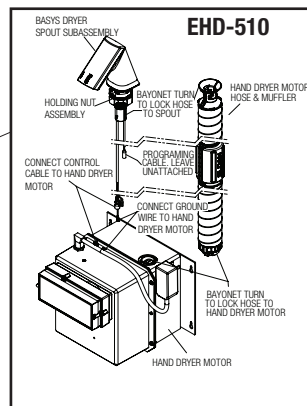


FRAME SUPPORT

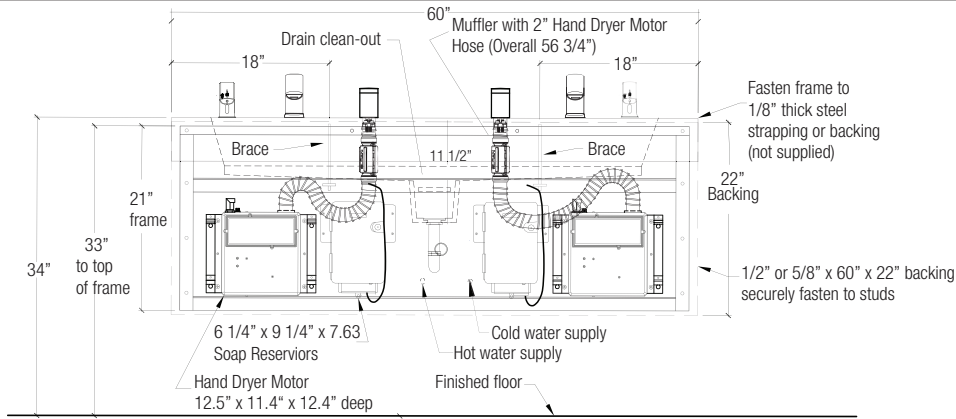
1. Back edge of Deck may require scribing to finished wall.
2. Shim all gaps between frame and deck, especially under trough area.

HAND DRYER/SOAP DISPENSER
Refer to installation instructions with component.

1. For ease of installation, leave the deck laying on its back. Install faucets, optional soap dispensers and hand dryers according to manufacturers instructions.
2. Hook-up hand dryer motor hose to hand dryer motors. Do not connect power until air spout is completely installed.
3. Install all water connections, drain lines and components.



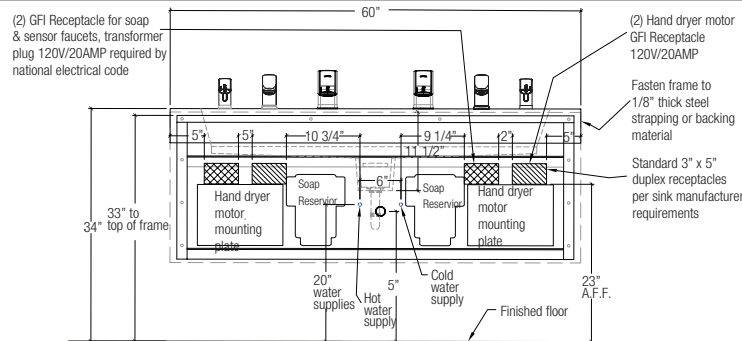
LAVATORY SYSTEM ROUGH-IN DIMENSIONS FRONT VIEW DOUBLE STATION



NOTES:

1. Mount hand dryer motor & soap dispenser to spec location
2. Slip frame over mounted components & properly fasten frame to backed wall
3. Hot & Cold water supply lines location subject to local code

LAVATORY SYSTEM ROUGH-IN PLUMBING & ELECTRICAL DIMENSIONS FRONT VIEW DOUBLE STATION

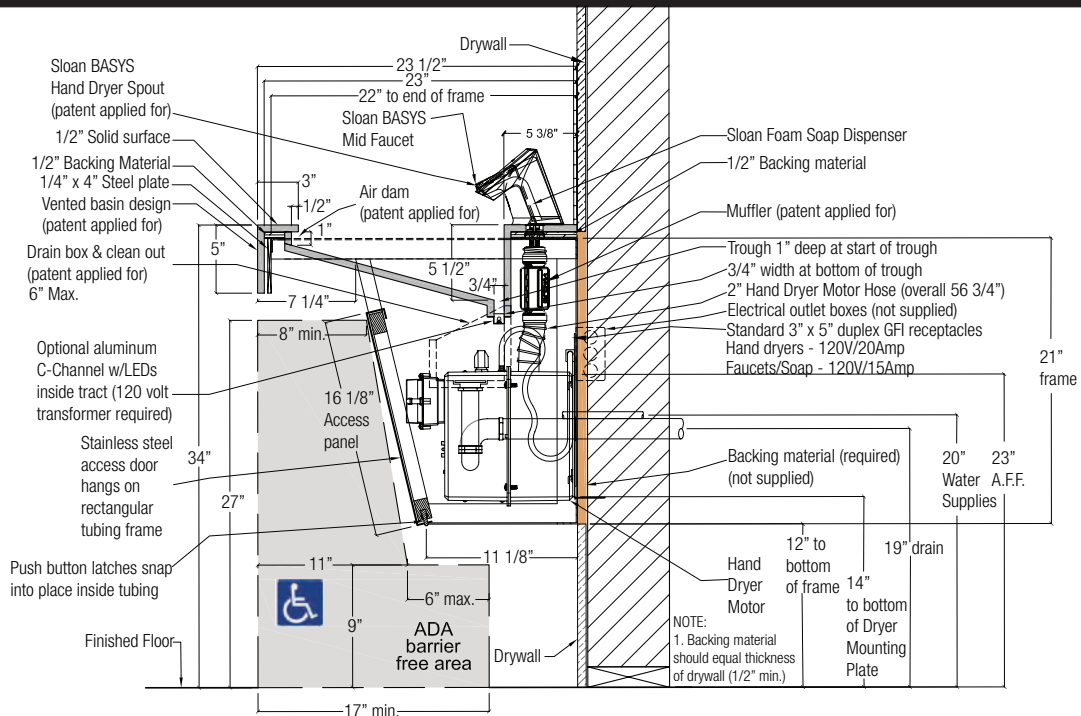


NOTES:

1. Hand Dryer Motor alone is only 500 watts or less with speed control
2. Hand Dryer Motor with heater requires 1500 watts or less with speed control
3. Hand Dryer Motor must be plugged into a dedicated 20 amp GFI safety circuit
4. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug
5. cut backing to allow for electrical and plumbing components

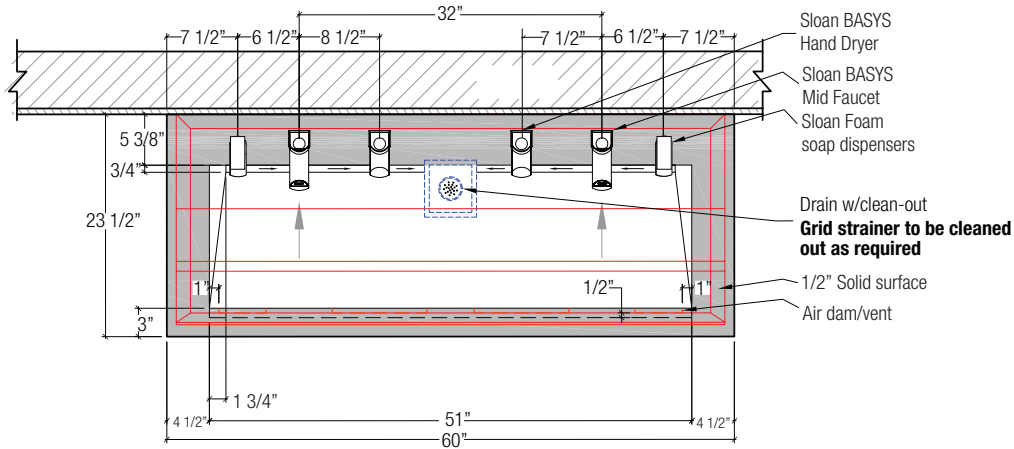
ROUGH-IN PLUMBING & ELECTRICAL

LAVATORY SYSTEM ROUGH-IN DIMENSIONS SIDE VIEW DOUBLE STATION

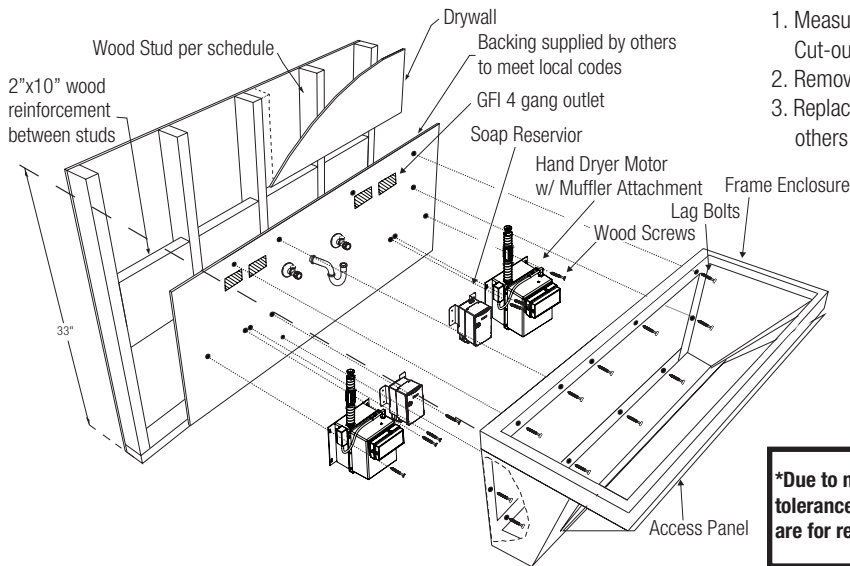


NOTE:
1. Backing material should equal thickness of drywall (1/2" min.)

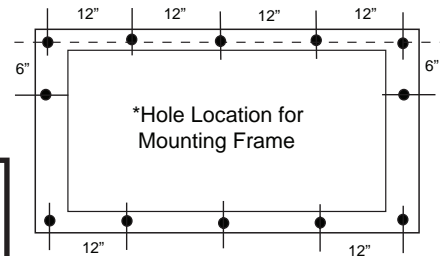
LAVATORY SYSTEM ROUGH-IN DIMENSIONS TOP VIEW DOUBLE STATION



DRAIN ASSEMBLY AND FRAME MOUNTING SUPPORT DOUBLE STATION

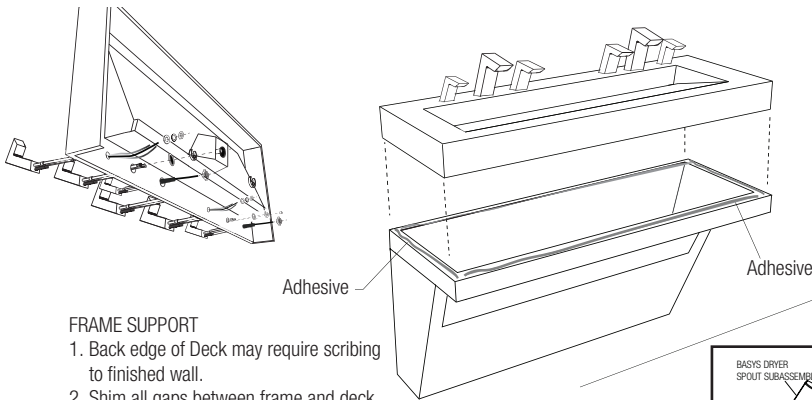


1. Measure outside of frame. Cut-out drywall window.
2. Remove drywall window.
3. Replace with backing supplied by others (per local code).
4. Using mounting template, mount hand dryer motor, soap dispenser pump (optional) and electrical outlets to backing.
5. Mount top of frame at 33" above finished floor.
6. Securely fasten with 1,000 Lb pull out lag bolts.
7. Attach access panel to frame.



***Due to manufacturing tolerances, all dimensions are for reference only.**

MOUNTING FAUCETS / ATTACHING DECK TO FRAME DOUBLE STATION

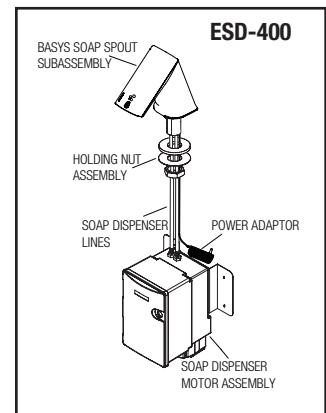
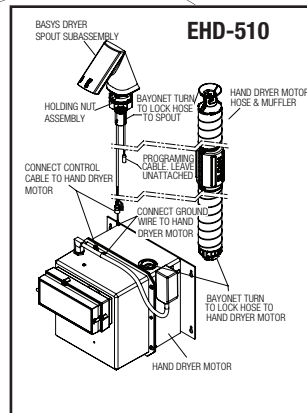


FRAME SUPPORT

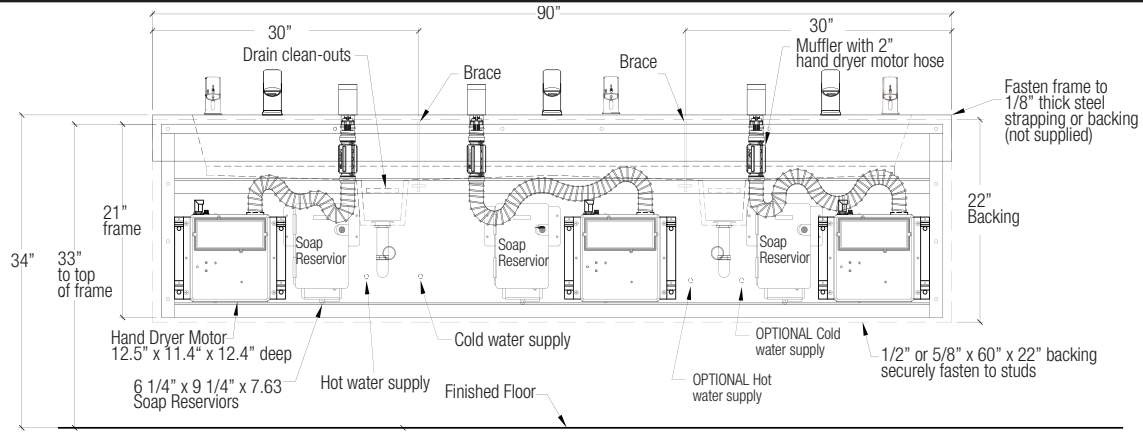
1. Back edge of Deck may require scribing to finished wall.
2. Shim all gaps between frame and deck, especially under trough area.

1. For ease of installation, leave the deck laying on its back. Install faucets, optional soap dispensers and hand dryers according to manufacturers instructions.
2. Hook-up hand dryer motor hose to hand dryer motors. Do not connect power until air spout is completely installed.
3. Install all water connections, drain lines and components.

HAND DRYER/SOAP DISPENSER
Refer to installation instructions with component.



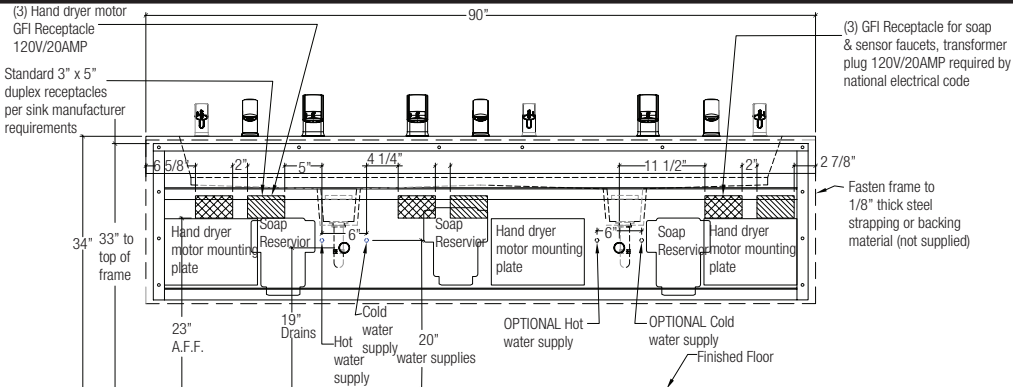
LAVATORY SYSTEM ROUGH-IN DIMENSIONS FRONT VIEW TRIPLE STATION



NOTES:

1. Mount hand dryer motor & soap dispenser to spec location
2. Slip frame over mounted components & properly fasten frame to backed wall
3. Hot & Cold water supply lines location subject to local code

LAVATORY SYSTEM ROUGH-IN PLUMBING & ELECTRICAL DIMENSIONS FRONT VIEW TRIPLE STATION

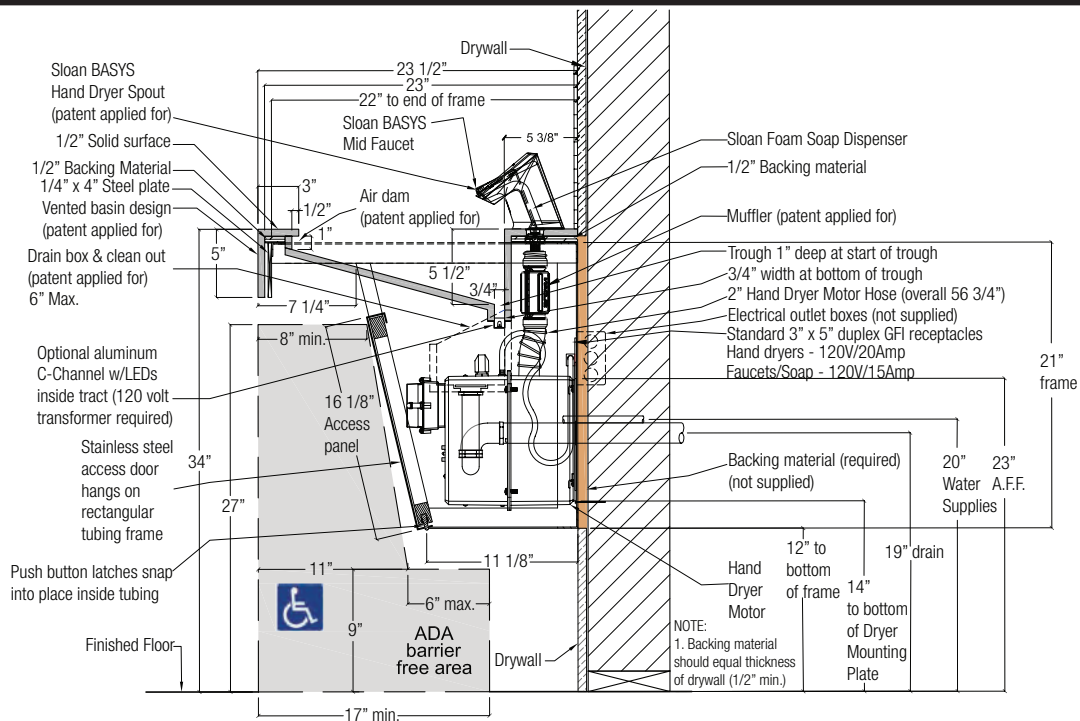


NOTES:

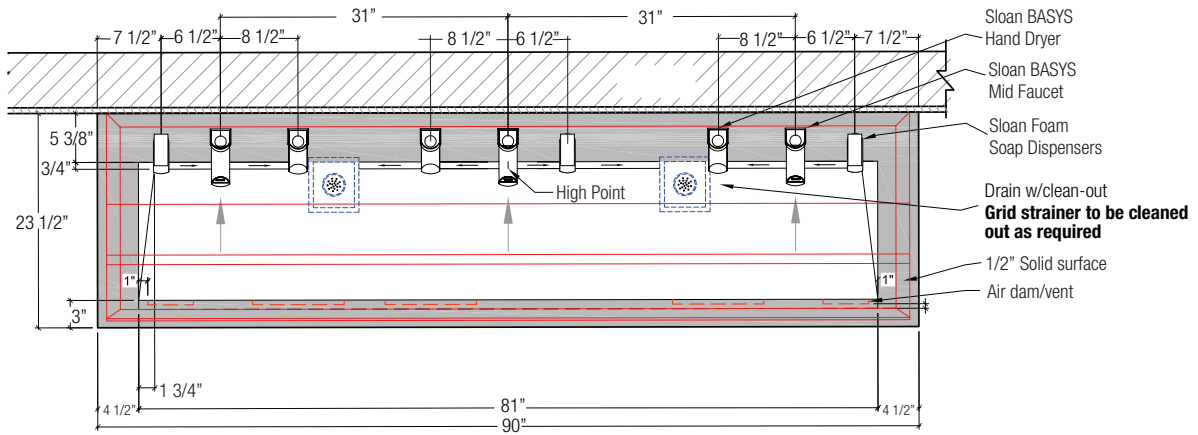
1. Hand Dryer Motor alone is only 500 watts or less with speed control
2. Hand Dryer Motor with heater requires 1500 watts or less with speed control
3. Hand Dryer Motor must be plugged into a dedicated 20 amp GFI safety circuit
4. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug
5. cut backing to allow for electrical and plumbing components

ROUGH-IN PLUMBING & ELECTRICAL

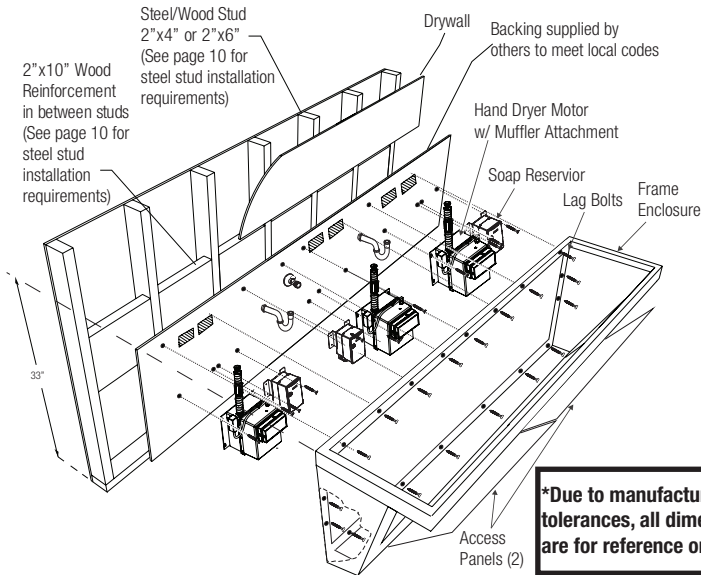
LAVATORY SYSTEM ROUGH-IN DIMENSIONS SIDE VIEW TRIPLE STATION



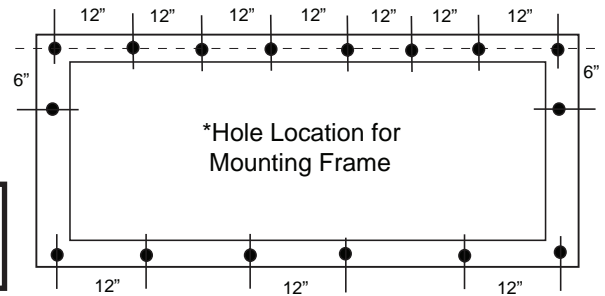
LAVATORY SYSTEM ROUGH-IN DIMENSIONS TOP VIEW TRIPLE STATION



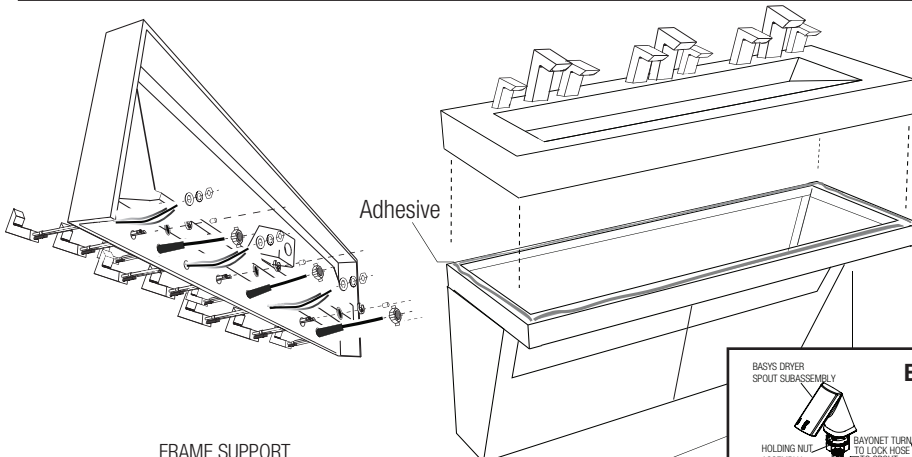
DRAIN ASSEMBLY AND FRAME MOUNTING SUPPORT TRIPLE STATION



1. Measure outside of frame. Cut-out drywall window.
2. Remove drywall window.
3. Replace with backing supplied by others (per local code).
4. Using mounting template, mount hand dryer motor, soap dispenser pump (optional) and electrical outlets to backing.
5. Mount top of frame at 33" above finished floor.
6. Securely fasten with 1,000 Lb pull out lag bolts.
7. Attach access panel to frame.



MOUNTING FAUCETS / ATTACHING DECK TO FRAME TRIPLE STATION

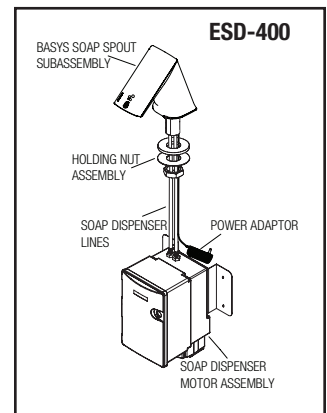
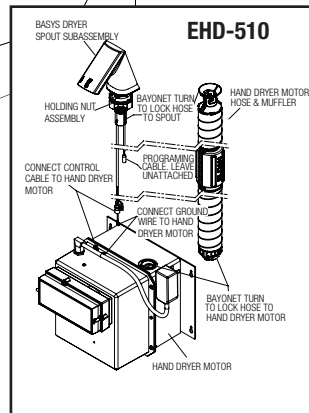


FRAME SUPPORT

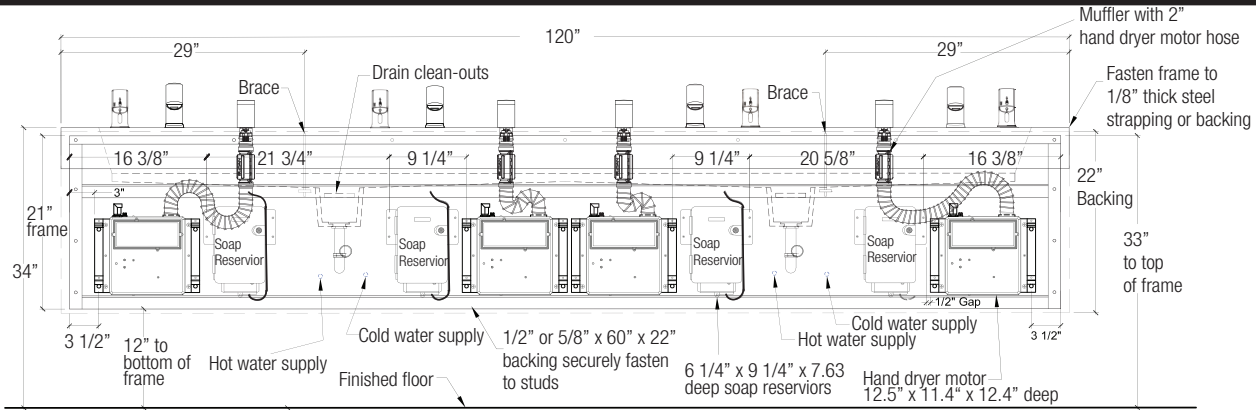
1. Back edge of Deck may require scribing to finished wall.
2. Shim all gaps between frame and deck, especially under trough area.

HAND DRYER/SOAP DISPENSER
Refer to installation instructions with component.

1. For ease of installation, leave the deck laying on its back. Install faucets, optional soap dispensers and hand dryers according to manufacturers instructions.
2. Hook-up hand dryer motor hose to hand dryer motors. Do not connect power until air spout is completely installed.
3. Install all water connections, drain lines and components.



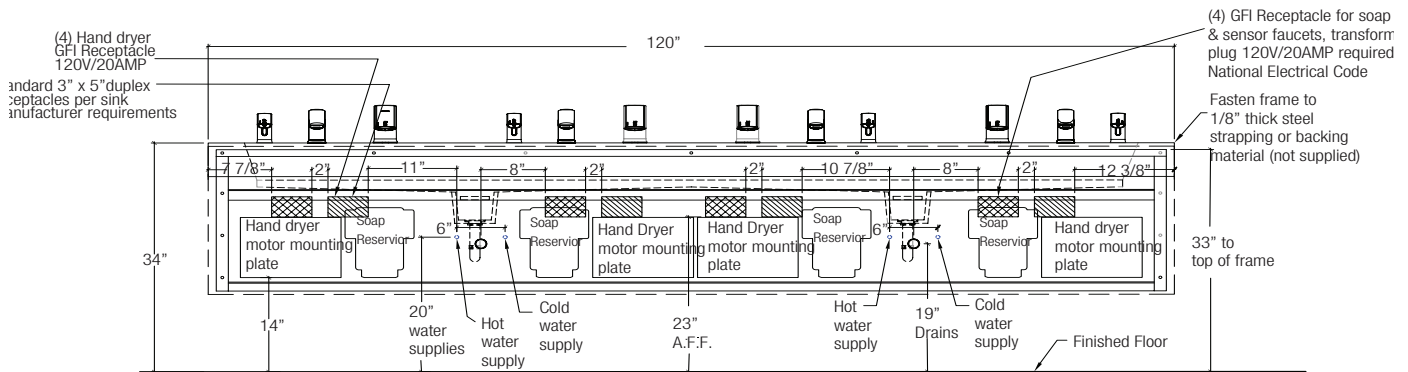
LAVATORY SYSTEM ROUGH-IN DIMENSIONS FRONT VIEW QUADRUPLE STATION



NOTES:

1. Mount hand dryer motor & soap dispenser to spec location
2. Slip frame over mounted components & properly fasten frame to backed wall
3. Hot & Cold water supply lines location subject to local code

LAVATORY SYSTEM ROUGH-IN PLUMBING & ELECTRICAL DIMENSIONS FRONT VIEW QUADRUPLE STATION

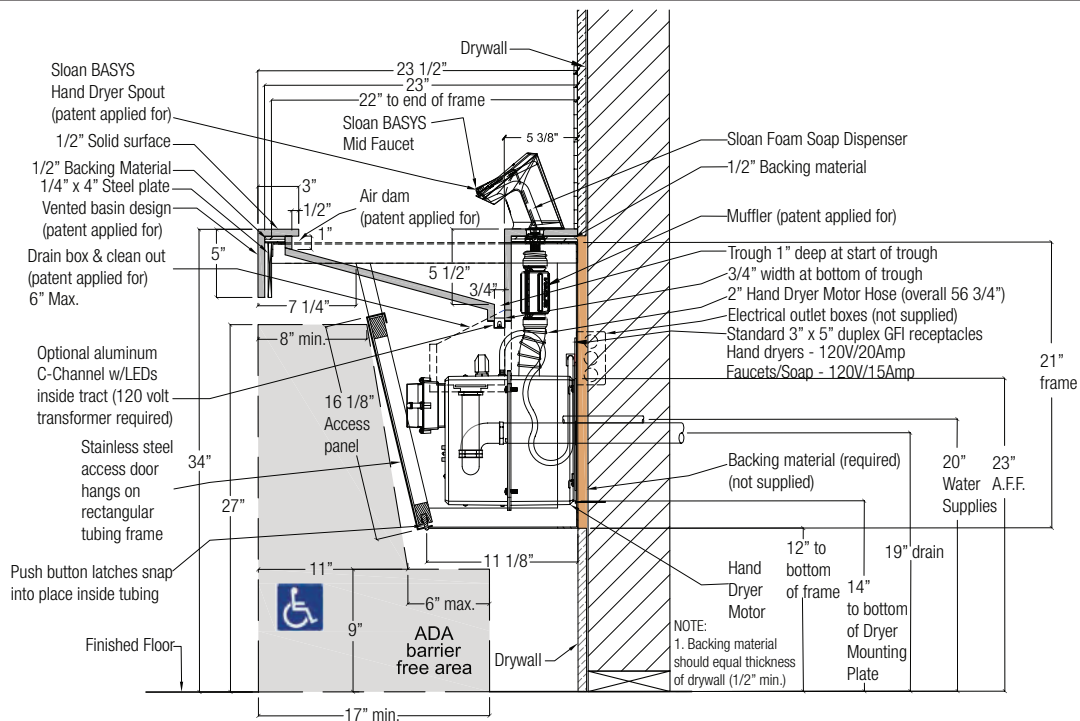


NOTES:

1. Hand Dryer Motor alone is only 500 watts or less with speed control
2. Hand Dryer Motor with heater requires 1500 watts or less with speed control
3. Hand Dryer Motor must be plugged into a dedicated 20 amp GFI safety circuit
4. Hand Dryer Motor to have a dedicated circuit with power cord and grounded plug
5. cut backing to allow for electrical and plumbing components

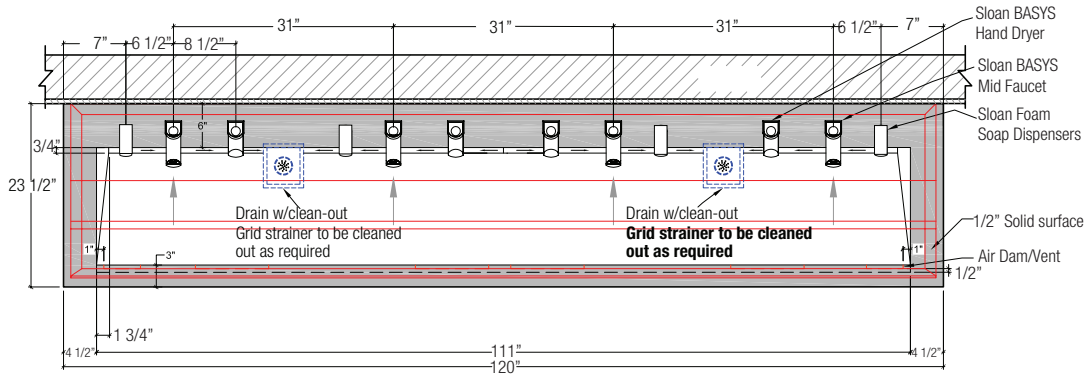
ROUGH-IN PLUMBING & ELECTRICAL

LAVATORY SYSTEM ROUGH-IN DIMENSIONS SIDE VIEW QUADRUPLE STATION

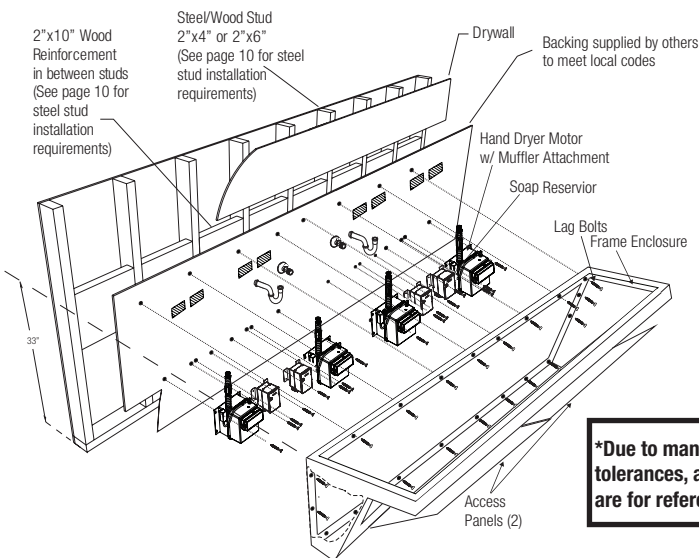


NOTE:
1. Backing material should equal thickness of drywall (1/2" min.)

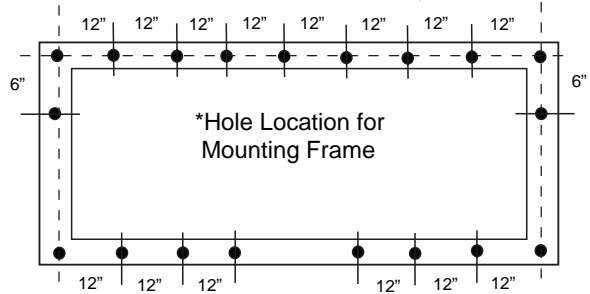
LAVATORY SYSTEM ROUGH-IN DIMENSIONS TOP VIEW QUADRUPLE STATION



DRAIN ASSEMBLY AND FRAME MOUNTING SUPPORT QUADRUPLE STATION

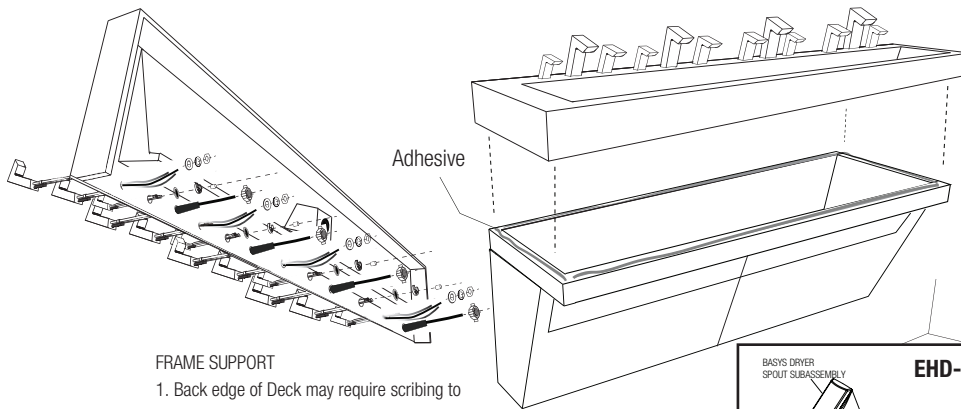


1. Measure outside of frame. Cut-out drywall window.
2. Remove drywall window.
3. Replace with backing supplied by others (per local code).
4. Using mounting template, mount hand dryer motor, soap dispenser pump (optional) and electrical outlets to backing.
5. Mount top of frame at 33\"/>



***Due to manufacturing tolerances, all dimensions are for reference only.**

MOUNTING FAUCETS / ATTACHING DECK TO FRAME QUADRUPLE STATION

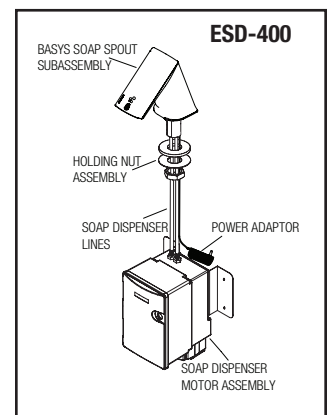
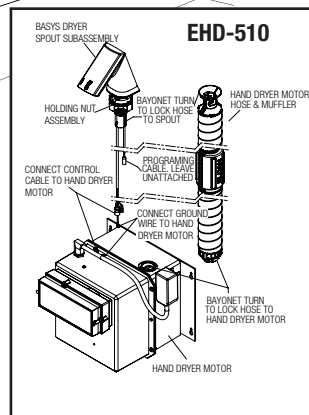


FRAME SUPPORT

1. Back edge of Deck may require scribing to finished wall.
2. Shim all gaps between frame and deck, especially under trough area.

HAND DRYER/SOAP DISPENSER
Refer to installation instructions with component.

1. For ease of installation, leave the deck laying on its back. Install faucets, optional soap dispensers and hand dryers according to manufacturers instructions.
2. Hook-up hand dryer motor hose to hand dryer motors. Do not connect power until air spout is completely installed.
3. Install all water connections, drain lines and components.



SINK BRACKET STUD SUPPORT

Corian Sink Design Requirements:

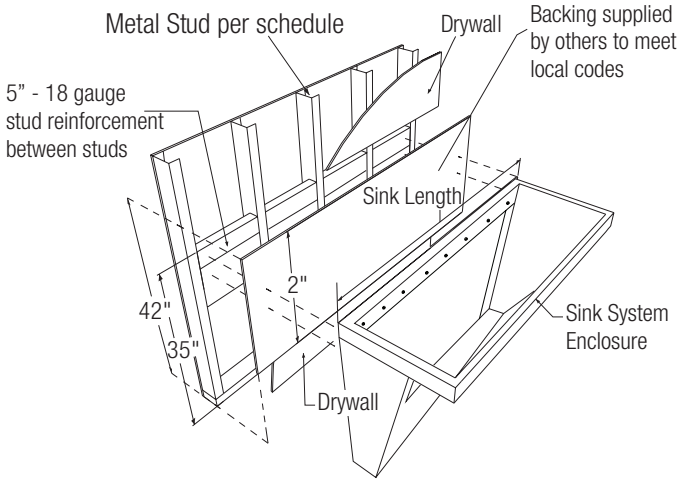
Max. sink deck depth = 25"

Max. sink dead weight (including stone and fixture = 10 psf

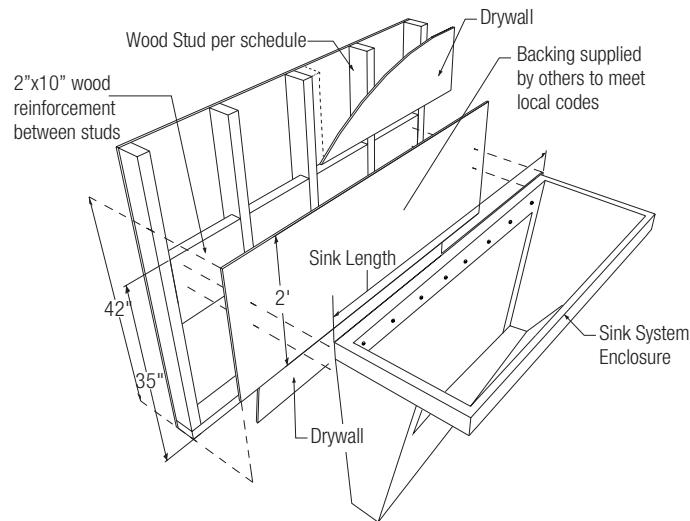
Max. concentrated live load at edge of sink = 500lbs.

Provide anchor spacing noted within product drawings

COLD FORMED STEEL FRAME MOUNTING SUPPORT



WOOD FRAME MOUNTING SUPPORT



Cold Formed Steel Framing for AD Series Corian Sinks

Wall/Stud Height	Depth	Flange	Min. Gauge
10'	3-5/8"	1-3/8"	14
		1-5/8"	16
		2"	16
		2-1/2"	18
	6"	1-3/8"	18
		1-5/8"	18
		2"	18
		2-1/2"	18
		3"	16
		3"	16
12'	3-5/8"	1-3/8"	14
		1-5/8"	16
		2"	16
		2-1/2"	16
	6"	1-3/8"	16
		1-5/8"	18
		2"	18
		2-1/2"	18
		3"	16
		3"	16
14'	3-5/8"	1-3/8"	12
		1-5/8"	16
		2"	16
		2-1/2"	16
	6"	1-3/8"	16
		1-5/8"	18
		2"	18
		2-1/2"	18
		3"	16
		3"	16
16'	3-5/8"	1-3/8"	14
		1-5/8"	14
		2"	16
		2-1/2"	16
	6"	1-5/8"	16
		2"	18
		2-1/2"	18
		3"	16
		3"	16
		3"	16
18'	3-5/8"	1-3/8"	12
		1-5/8"	12
		2"	16
		2-1/2"	12
	6"	1-5/8"	16
		2"	18
		2-1/2"	18
		3"	16
		3"	16
		3"	16
20'	3-5/8"	1-5/8"	12
		2"	14
		2-1/2"	16
		3"	16
	6"	2"	18
		2-1/2"	18
		3"	16
		3"	16

Wood Framing for AD Series Corian Sinks

Wall/Stud Height	Stud	Studs Req. @16" o.c. (See Note 1)	Species	Grade
10'	2x4	2	SPF	No. 2
	2x6	1		
12'	2x4	3		
	2x6	1		
14'	2x4	3		
	2x6	1		
16'	2x4	3		
	2x6	1		
18'	2x4	3		
	2x6	1		
20'	2x4	3		
	2x6	2		

Note 1: Where multiple studs are listed, bunch multiple studs and space multiple studs @16" o.c. across width of sink

Quartz Sink Design Requirements:

Max. sink deck depth = 25"

Max. sink dead weight (including stone and fixture = 20 psf

Max. concentrated live load at edge of sink = 500lbs.

Provide anchor spacing noted within product drawings

Cold Formed Steel Framing for AD Series Corian Sinks

Wall/Stud Height	Depth	Flange	Min. Gauge
10'	3-5/8"	1-3/8"	14
		1-5/8"	16
		2"	16
		2-1/2"	18
	6"	1-3/8"	18
		1-5/8"	18
		2"	18
		2-1/2"	18
		3"	16
		3"	16
12'	3-5/8"	1-3/8"	14
		1-5/8"	16
		2"	16
		2-1/2"	16
	6"	1-3/8"	16
		1-5/8"	18
		2"	18
		2-1/2"	18
		3"	16
		3"	16
14'	3-5/8"	1-3/8"	12
		1-5/8"	16
		2"	16
		2-1/2"	16
	6"	1-3/8"	16
		1-5/8"	18
		2"	18
		2-1/2"	18
		3"	16
		3"	16
16'	3-5/8"	1-3/8"	14
		1-5/8"	14
		2"	16
		2-1/2"	16
	6"	1-5/8"	16
		2"	18
		2-1/2"	18
		3"	16
		3"	16
		3"	16
18'	3-5/8"	1-3/8"	12
		1-5/8"	12
		2"	16
		2-1/2"	12
	6"	1-5/8"	16
		2"	18
		2-1/2"	18
		3"	16
		3"	16
		3"	16
20'	3-5/8"	1-5/8"	12
		2"	14
		2-1/2"	16
		3"	16
	6"	2"	18
		2-1/2"	18
		3"	16
		3"	16

Wood Framing for AD Series Quartz Sinks

Wall/Stud Height	Stud	Studs Req. @16" o.c. (See Note 1)	Species	Grade
10'	2x4	3	SPF	No. 2
	2x6	1		
12'	2x4	3		
	2x6	1		
14'	2x4	3		
	2x6	1		
16'	2x4	3		
	2x6	2		
18'	2x4	3		
	2x6	2		
20'	2x4	3		
	2x6	2		

Note 1: Where multiple studs are listed, bunch multiple studs and space multiple studs @16" o.c. across width of sink

CLEANING AND MAINTENANCE

Material Description: Corian Material is made from a blend of acrylic modified bio-based polyester resin. Engineered Stone is 90% natural quartz and polyester resin and is resistant to chemicals, stains, burns and impact. Surface damage can be easily repaired with everyday cleansers or fine grit abrasives.

Routine Cleaning: For regular cleaning, use standard commercial or household products such as Simple Green®, Creamy Cleanser brand, Formula 409® or Windex®.

Stubborn Stains: Remove tough stains, with non abrasive cleaners and pads such as a white Scotch Brite® pad and Lysol®. Special Situations for Corian and Engineered Stone

Hard Water Deposits: Remove hard water deposits with a mild solution of vinegar and water. Always rinse the unit thoroughly after cleaning.

Restoring the surface: Refresh and restore the rich surface with one of the following:

Geo Series: Color enhancer such as Tenax® Ager

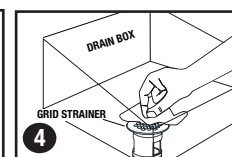
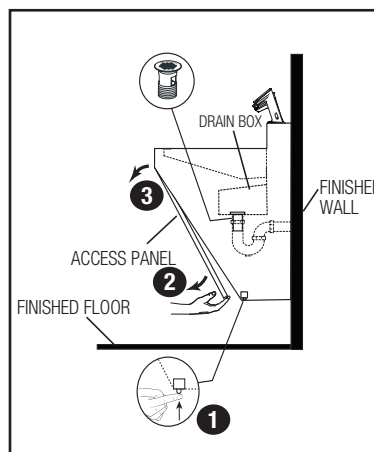
Pearl Series: Impregnating sealer such as DryTreat Stain - Proof Original™ or Miracle Sealants 511 Impregnator Do not use strong acid or alkaline chemicals and cleansers to clean Engineered Stone. If these chemicals come in contact with the surface, wipe them off immediately and rinse with soapy water. Avoid contact with harsh chemicals such as paint remover, bleach, acetone, etc. Avoid contact with hot pans and objects.

Repair Kits: Corian repair kits are available. Contact your Sloan Stone Sink Systems representative or distributor for part numbers and pricing. Repair kits are made to order and have a shelf life of 30 days. Engineered Stone shades of color can vary from product to product.

BRAND NAMES

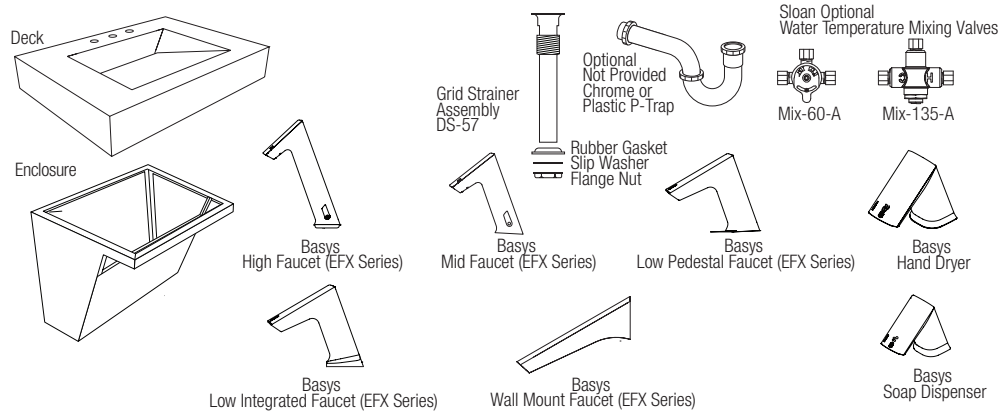
Use of brand names is intended only to indicate a type of cleaner. This does not constitute an endorsement, nor does the omission of any brand name cleaner imply inadequacy. Many products named are regional in distribution, and can be found in local supermarkets, department and hardware stores, or through your cleaning service. It is emphasized that all products should be used in strict accordance with package instructions.

REGULAR CLEANING OF DRAIN BOX REQUIRED.

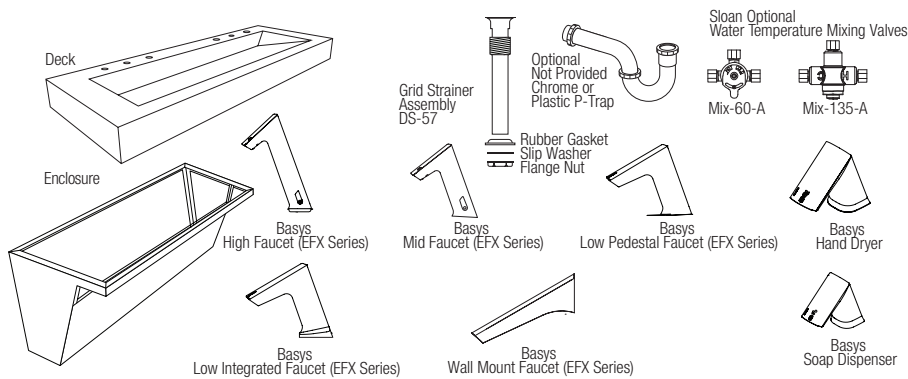


1. Lift access panel up by pressing button(s) on bottom of frame.
2. Swing outward until panel separates from frame.
3. Lift and separate from frame.
4. Clean grid strainer with rag and dispose of properly.
5. Close access panel.

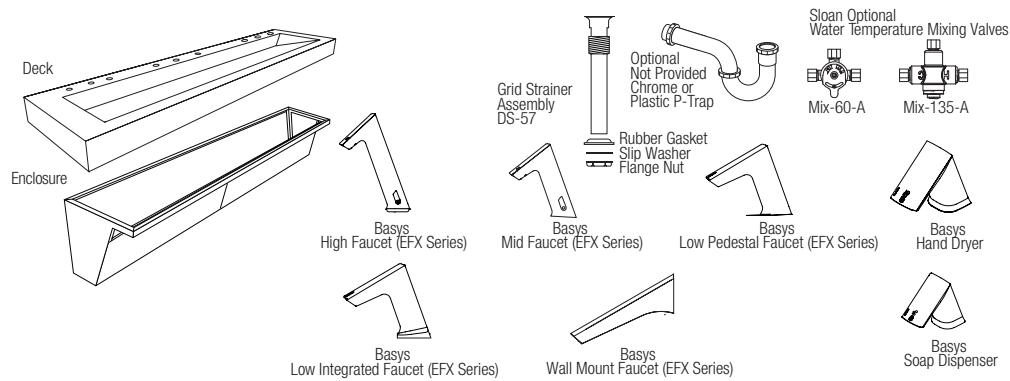
COMPONENTS SINGLE STATION



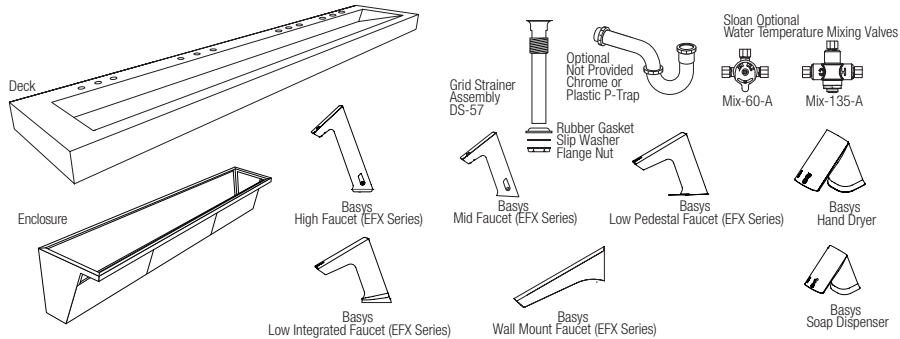
COMPONENTS DOUBLE STATION



COMPONENTS TRIPLE STATION



COMPONENTS QUADRUPLE STATION



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