



Royal® Model Flushometer

117

► Description

Exposed Service Sink Flushometer, for use with top spud Service Sinks.

► Flush Cycle

Model 117 (6.5 gpf/24.6 Lpf)

► Specifications

Quiet, Exposed, Diaphragm Type, Chrome Plated Service Sink Flushometer with the following features:

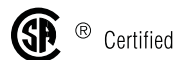
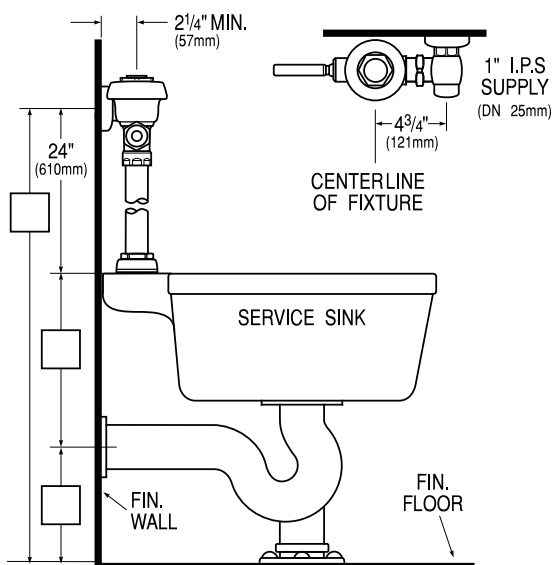
- PERMEX™ Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- ADA Compliant Metal Oscillating Non-Hold-Open Handle with Triple Seal Handle Packing
- 1" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Free Spinning Vandal Resistant Stop Cap
- Adjustable Tailpiece
- High Back Pressure Vacuum Breaker Flush Connection with One-piece Bottom Hex Coupling Nut
- Spud Coupling and Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Set Screw Wall Flange
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm, Handle Packing, Stop Seat and Vacuum Breaker to be molded from PERMEX™ Rubber Compound for Chloramine Resistance

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037, ANSI/ASME 112.19.6, and Military Specification V-29193.

► Variations

- | | |
|--------------------------------------|--|
| ☐ H | Handle on Front of Valve |
| ☐ HL-3 | 3" Metal Oscillating Push Button on front of valve |
| ☐ O | Offset Vacuum Breaker, Specify: 1" - 1½" - 2" |
| ☐ YJ | Split Ring Pipe Support |
| ☐ YK | Solid Ring Pipe Support |

See Accessories Section of the Sloan catalog for details on these and other Flushometer variations.



This space for Architect/Engineer approval

The information contained in this document is subject to change without notice.

SLOAN®

Made in the U.S.A.

SLOAN VALVE COMPANY • 10500 SEYMOUR AVE. • FRANKLIN PARK, IL. 60131
Ph: 1-800-9-VALVE-9 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380
<http://www.sloanvalve.com>



CSS-1 CLINICAL SERVICE SINK PER ADDENDUM #2-1

A9512999020	AMERICAN STANDARD	CLINIC SERV SINK WALL
A8345115002	AMERICAN STANDARD	HERT SERV FTG BOT BRCE-STPS 1
A7832512075	AMERICAN STANDARD	RIM GUARD SERVICE SINK WALL STAINLESS STEEL
S3010500	SLOAN	6.5 GALLONS PER FLUSH 117 ROYAL SERVICE SINK FLUSH VALVE WITH SWEAT
W640	WADE	SERVICE SINK CARRIER WITH 4" COUPLING AND RECTANGULAR STEEL UPRIGHTS

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: June 7, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mike Whitworth (WES)

Project No. WT 14127.01
WES 607

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	224216P02	(Submittal No.'s)
		(Cannon #22 4216.16-001) - (Paric #15051-) - (WES #607)
		➤ Commercial Sinks
		• Clinical Service Sink CSS-1
		• Scrub Sink SS-1
		• Sink SK-1
		• Garbage Disposer GD-1
		• Sink SK-2
		• Sink SK-3
		• Mop Sink MS-1
		• Kitchen Sinks KS-1, KS-2, KS-3

***Remarks: See Submittal Review from Webb Engineering.**

c: Kevin Patel
Kpatel@cannondesign.com

☒

***Reviewed**

☒

***No Exceptions Taken**

☐☒

***Make Corrections As Noted,
No Resubmittal Required**

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.



1400 S. 3rd Street, Suite 201
St. Louis, Missouri 63104
Phone: (314) 588-0600
Fax: (314) 588-0604

Letter of Transmittal

To: wtashop@wmtao.com

From: Mike Whitworth

Date: June 05, 2016

Re: Webster University ISB

WES No: 607

☐ For your Files

☐ For Review

☐ Please Comment

☐ Please Reply

Item No.	Description	No. of Copies	Date
1	Shop Drawing Review – 22 4216.16 Commercial Sinks	1	06-05-2016

•Signature: Mike Whitworth

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SERVICES INC.**www.webb-engineering.com

The review of this submittal is limited to the general conformance with the designated design concept and intent of this project and with the general compliance of the information provided in the contract documents. All comments, remarks and notations made on the submittal(s) as a result of this review do not relieve the contractor from full compliance with requirements of the contract documents. Approval for a specific item shall not include approval of an assembly of which the item is not a component. The contractor is solely responsible for rough-in and installation confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordination of this work with that of other trades on this project; and in a safe and satisfactory manner. All work shall be installed in full compliance with the manufacturer's recommendation, Federal, State and Local rules and regulation and the Authority Having Jurisdiction (AHJ) and applicable adopted codes and standards.

PROJECT NAME: Webster University
ISB

LOCATION: St. Louis Missouri

CLIENT PROJ. NO.: N/A

WES PROJ. NO.: 607

SPEC SECTION: 22 4216.16
Commercial Sinks

SUBMITTAL ITEM: See Below -

CONTRACTOR: Deluca Plumbing, LLC

CTR. SUBMITTAL # 22 4216.16-001

SUBMITTAL DATE: May 25, 2016

DATE RECEIVED: May 26, 2016

RECEIVED VIA: E-Mail

RECEIVED FROM: WTA

DATE RETURNED: JUNE 05, 2016

RETURNED VIA: E-MAIL

RETRURNED TO: WTASHOP@WMTAO.COM

STATUS KEY:

NEC	MCN	AAR	REJ	REV	NO EXCEPTION TAKEN	
					MAKE CORRECTIONS NOTED, NO RESUBMITTAL:	
					AMEND AND RESUBMIT	
					REJECTED, SEE REMARKS:	
					REVIEWED ONLY	
					ITEM	REMARKS
Clinical Service Sink CSS-1						
X					Fixture American Standard Model 9512.999.020	
X					Rim Guard American Standard Model 7832512.075	
X					Faucet American Standard Model 8345.115	
X					Flush Valve Sloan Model Royal 117	
X					Fixture Carrier Wade Model 640	
Scrub Sink SS-1						
X					Fixture Elkay Model EEWSF 13026SACC	Manufacturers Complete Surgical Sink Package with Sensor Faucet and Grid Drain and Thermostatic Mixing Valve



X					P-Trap Proflo Model PFPTB403	
X					Angle Stops BrassCraft Model SCR19XC	
X					Supply risers BrassCraft Model 1-12A C	
	X				Escutcheons Proflo Model PFE7	Escutcheons are specified to be cast brass. Refer to specification section 220518.
Sink SK-1						
X					Fixture Elkay Model GEGR2521	
X					Faucet Chicago Faucet Model 200-AABCP	
X					Outlet Waste Disposer Kit Proflo Model PFEWB200	Provide under counter waste and supply protective piping covers as required. Verify requirements with the architectural drawings.
X					P-Trap Proflo Model PFPTB403	
X					Angle Stops BrassCraft Model SCR19XC	
X					Supply Risers BrassCraft Model 1-12AC	
	X				Escutcheons Proflo Model PFE7	Escutcheons are specified to be cast brass. Refer to specification section 220518.
Garbage Disposer GD-1						
X					Fixture Emmerson In-Sink-Erator Model Evolution Compact	
Sink SK-2						
X					Fixture Elkay Model LRAD1517	
X					Faucet Chicago Faucet Model 895-317GN2AE29ABCP	
X					Drain Assembly Elkay Model LKAD18	Provide under counter waste and supply protective piping covers as required. Verify requirements with the architectural drawings.
X					P-Trap Proflo Model PFPTB403	
X					Angle Stops BrassCraft Model SCR19XC	



X					Supply Risers BrassCraft Model 1-12AC	
	X				Escutcheons Proflo Model PFE7	Escutcheons are specified to be cast brass. Refer to specification section 220518.
Sink SK-3						
					Fixture	Sink is integral with the countertop. Coordinate with architectural drawings.
X					Faucet Chicago Faucet Model 786-GN2BVBE3-2ABCP	Provide under counter waste and supply protective piping covers as required. Verify requirements with the architectural drawings.
X					Drain Assembly Elkay Model LK35	
X					P-Trap Proflo Model PFPTB403	
X					Angle Stops BrassCraft Model SCR19XC	
X					Supply Risers BrassCraft Model 1-12AC	
	X				Escutcheons Proflo Model PFE7	Escutcheons are specified to be cast brass. Refer to specification section 220518.
Mop Sink MS-1						
X					Fixture Fiat Model TSB-3000	
X					Faucet Symmons Model S-2490	
X					Hose Bracket Proflo Model PF296	
X					Hose Proflo Model PFSSHE	
X					Mop Bracket Proflo Model PF245	
X					Wall guards Proflo Model PFWG24S	
Kitchen Sink KS-1						
	X				Fixture Elkay Model ECTSR25229BG	Cut sheet indicates 3-hole punch – verify this with faucet 4-hole punch requirement
X					Faucet Chicago Faucet Model 1102-202358AB	



X					Drain Assembly Elkay Model LK-35	Provide under counter waste and supply protective piping covers as required. Verify requirements with the architectural drawings.
X					P-Trap Proflo Model PFPTB403	
X					Angle Stops BrassCraft Model SCR19XC	
X					Supply Risers BrassCraft Model 1-12AC	
	X				Escutcheons Proflo Model PFE7	Escutcheons are specified to be cast brass. Refer to specification section 220518.
Kitchen Sink KS-2						
X					Fixture Elkay Model ECTSRAD33226BG	Provide under counter waste and supply protective piping covers as required. Verify requirements with the architectural drawings.
X					Faucet Chicago Faucet Model 1102-GN8AE3-317AB	
X					Drain Assembly Elkay Model LK-35	
X					End Waste Outlet Proflo Model PFEWB105	
X					P-Trap Proflo Model PFPTB403	
X					Angle Stops BrassCraft Model SCR19XC	
X					Supply Risers BrassCraft Model 1-12AC	Escutcheons are specified to be cast brass. Refer to specification section 220518.
	X				Escutcheons Proflo Model PFE7	
Kitchen Sink KS-3						
X					Fixture Elkay Model DLRQ191910	Provide under counter waste and supply protective piping covers as required. Verify requirements with the architectural drawings.
X					Faucet Chicago Faucet Model 895-317ABCP	
					Drain Assembly Elkay Model LK-35	
					P-Trap Proflo Model PFPTB403	
					Angle Stops BrassCraft Model SCR19XC	



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					Supply Risers BrassCraft Model 1-12AC	
					Escutcheons Proflo Model PFE7	Escutcheons are specified to be cast brass. Refer to specification section 220518.

REVIEWED BY: Michael R. Whitworth DATE: June 05, 2016

THESE COMMENTS ARE TO BE ATTACHED TO ALL COPIES OF THE SHOP DRAWING REFERENCED ABOVE.

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

PROJECT NAME	
ADDRESS	
NUMBER	
OWNER	
ARCHITECT / ENGINEER	
SUBMITTED BY	
CONTRACTOR / CM SUBMITTAL NO.	CANNON DESIGN SUBMITTAL NO.
DRAWING / DETAIL REFERENCE	SPECIFICATION SECTION / PARAGRAPH
MANUFACTURER / SUPPLIER	ITEM / PRODUCT ID
REQUIRED DATE	PRIORITY
CRITICAL	☐

To be completed by Reviewer

CANNON DESIGN SUBMITTAL NUMBER
RECEIVED DATE

- ☐ **A. No Exceptions Taken**
No further review of submittal is required.
- ☐ **B. Make Corrections Noted**
Incorporate corrections in work;
resubmission is not required.
- ☐ **C. Revise and Resubmit**
Revise as noted, and resubmit for review.
- ☐ **D. Rejected**
Submittal is not in compliance with Contract Documents;
provide new submittal.
- ☐ **E. For Record / Information Only**
Submittal was reviewed for Record / Information
purposes only.
- ☐ **F. Not Required for Review**
Submittal is not required by Contract Documents
and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

ITEM BEING SUBMITTED (check only one)

- ☐ Shop Drawings ☐ Certification / Qualifications ☐ Coordination Drawing
☐ Samples ☐ Record Documents ☐ Calculations
 (_____ copies) ☐ Product Data ☐ Schedules
☐ LEED Submittal ☐ O&M Manuals
☐ Other _____

ITEM BEING SUBMITTED FOR (check only one)

- ☐ Action ☐ Information Only ☐ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)



PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

Ry:

Devin D. Gates

REVIEWED BY	DATE

A/E COMMENTS

- ☐
- See attached sheet(s) for additional comments

REVIEWED BY	DATE



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0058

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 05/25/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Sinks Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☒ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		224216.16-001	1		05/25/2016	Sinks Product Data	Submitted

NOTES:

CC: Paric Corporation, Kathy Bathe

Project Coordinator: Paric Corporation, Kathy Bathe

Signed: _____
Devin Gates

Shop Drawing Submittal

Project Name: WEBSTER ISB

Specification # **224216.16-01**

Specification Description: Sinks

Date: 05-23-16

General Contractor / Construction Manager: PARIC

ARCHITECT: KWA

ENGINEER: William Tao

Contractor: DeLuca Plumbing, L.L.C.
8465 Delport Drive
St. Louis, MO 63114

Supplier: FERGUSON

Manufacturer: Various

Reviewed & Approved by: DeLuca Plumbing 05-23-16

Action: Forward to GC/CM for Review & Approval

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