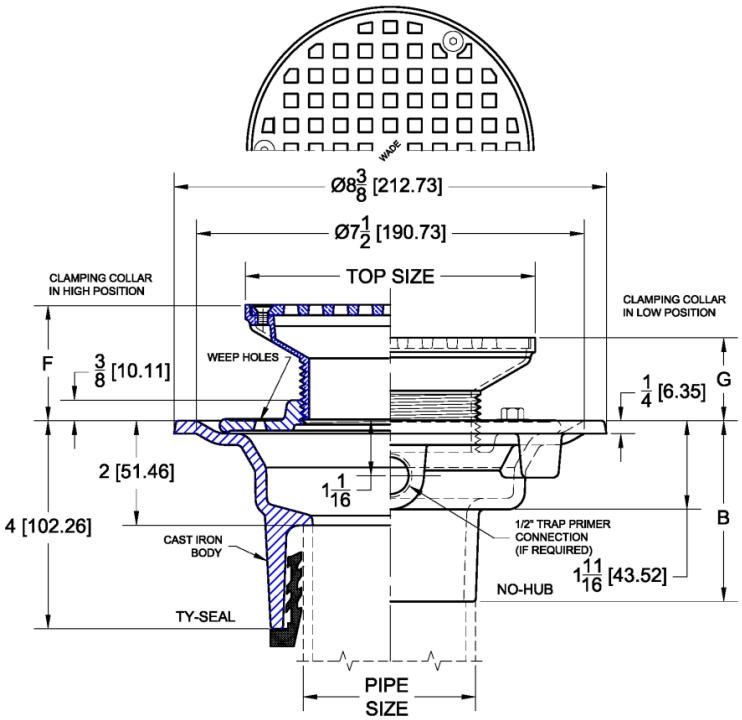
FLOOR & AREA DRAINS

1100-A Floor Drain with Round Adjustable Top – Perforated Grate

Regularly Furnished: Painted cast iron floor drain body with anchor flange, seepage openings, reversible clamping collar, adjustable top, secured perforated grate, ½" NPT trap primer tap (plugged) and bottom outlet.
ASME Load Rating = L.D. (Light Duty) Under 2,000 Lbs.



OUTLET	NO-HUB	INSIDE CAULK	THREADED
B	3 1/2 (89)	4 1/4 (108)	2 3/4 (70)

Top Size	F		G	
	Min	Max	Min	Max
5 (127)	1-7/16 (37)	2-1/8 (54)	15/16 (24)	1-5/8 (41)
6 (152)	1-1/2 (38)	2-3/8 (60)	1 (25)	1-3/4 (44)
7 (178)	1-3/8 (35)	2-1/4 (57)	1 (25)	1-3/4 (44)
8 (203)	1-3/8 (35)	2-1/4 (57)	1 (25)	1-5/8 (41)
10 (254)	1-7/8 (48)	3-1/4 (83)	1-5/8 (41)	2-5/8 (67)

✓	Top Size & Type	Outlet Size In.	Grate Free Area (Sq.In.)
	A5	2,3,4,6	5.8
	A6	2,3,4,6	7.7
	A7	2,3,4,6	10.6
	A8	2,3,4,6	14.0
	A10	2,3,4,6	32.2

Top Material		
✓	Suffix	Description
	-1	Satin Finish Nickel Bronze
	-2	Satin Finish Bronze
	-85	Satin Finish 304 Stainless Steel

Outlet Variations		
✓	Type	Designation
✓	No-Hub	2NH, 3NH, 4NH,6NH
	Push-On	2TY, 3TY, 4TY
	Inside Caulk	2IC, 3IC, 4IC
	Threaded	2IPS, 3IPS, 4IPS

Funnels		
✓	Suffix	Description
	-EF4	4" Round Funnel Assembly
	-EF6	6" Round Funnel Assembly
	-EG8	8" Elongated Funnel Assembly

Options		
✓	Suffix	Description
	-ARC	Acid Resistant Coating (C.I. Parts)
	-DC	Debris Cover
	-DIA	Deck Installation Assembly
	-SO	90° Side Outlet (No-Hub Only)
	-TSD	Trap Seal Device (Model 4405)
	-X	Heavy Duty Grate (A5 Only)
	-8	Secondary Strainer
	-18	Solid Cover
	-27	Sediment Bucket
	-31	Backwater Valve
	-33	Closure Plug
	-39	Galvanized Iron Parts
	-83	Special Engraving
	-94	Extension Adapter
	-102	Chrome Plated Top Assembly

FD-1		**FD-1 FLOOR DRAIN**
W1100A812NHVP	WADE	FLOOR DRAIN BODY WITH ADJUSTABLE A TYPE TOP ASSEMBLY, NICKEL BRONZE TOP - 2" NO HUB, VANDAL PROOF
W1100A813NHVP	WADE	FLOOR DRAIN BODY WITH ADJUSTABLE A TYPE TOP ASSEMBLY, NICKEL BRONZE TOP - 3" NO HUB, VANDAL PROOF
W1100A814NHVP	WADE	FLOOR DRAIN BODY WITH ADJUSTABLE A TYPE TOP ASSEMBLY, NICKEL BRONZE TOP - 4" NO HUB, VANDAL PROOF

WM TAO & ASSOCIATES
CONSULTING ENGINEERS

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 [X] **Email**

Copies	No.	Description
1 PDF	221319P01	(Submittal No.'s)
		(Cannon #22 1319-002) - (Paric #15051-) – (WES #607)
		➢ **Sanitary Specialties Product Data:**
		• Wade Floor Drains: FD-1, FD-2, FD-3
		• Wade Floor Sinks: FS-1, FS-2
		• J.R. Smith Floor Sinl: FS-3
		• Wade Floor Cleanout: FCO-1
		• Wade Wall Cleanout: WCO-1, WCO-2

*Remarks: See Submittal Review from Webb Enginnering.

c: **Kevin Patel**
Kpatel@cannondesign.com

[X] ***Reviewed**

[X] *No Exceptions Taken

[ ]

[X] ***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.

WEBB
ENGINEERING
SERVICES INC.

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 04, 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 1319 Sanitary Waste Piping Specialties	1	06-04-2016

•Signature: Mike Whitworth

WEBB ENGINEERING SERVICES INC.
1400 S. 3rd Street, Suite 201 • St. Louis, Missouri 63104 • 314.588.0600 • *fax* 314.588.0604
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 1319 Sanitary Waste Piping Specialties
SUBMITTAL ITEM: See Below -

CONTRACTOR: Deluca Plumbing, LLC
CTR. SUBMITTAL # 22 1319-002
SUBMITTAL DATE: May 25, 2016
DATE RECEIVED: May 26, 2016
RECEIVED VIA: E-Mail
RECEIVED FROM: WTA
DATE RETURNED: JUNE 04, 2016
RETURNED VIA: E-MAIL
RETRURNED TO: WTASHOP@WMTAO.COM

STATUS KEY:

NEC	NO EXCEPTION TAKEN
MCN	MAKE CORRECTIONS NOTED, NO RESUBMITTAL:
AAR	AMEND AND RESUBMIT
REJ	REJECTED, SEE REMARKS:
REV	REVIEWED ONLY

NEC	MCN	AAR	REJ	REV	ITEM	REMARKS
X					Floor Drain – FD-1 Wade Model 1100A81xNHVP	
	X				Floor Drain – FD-2 Wade Model 1100A812NH27VP	Specified to include trap guard seal device. Refer to drawing P0601, Addendum 2-4, dated 24 May 2016.
	X				Floor Drain – FD-3 Wade Model 124012xNH232739	Specified to include trap guard seal device. Refer to drawing P0601, Addendum 2-4, dated 24 May 2016.
X					Floor Sink – FS-1 Wade Model 91501xNH61527	
X					Floor Sink – FS-2 Wade Model 91501xNH615242627VP	
	X				Floor Sink – FS-3 J.R. Smith Model 3451C0x-P13	Specified to include trap guard seal device. Refer to drawing P0601, Addendum 2-4, dated 24 May 2016.
X					Floor Cleanout – FCO-1 Wade Model 60001xNH75VPX	

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WEBB ENGINEERING SERVICES INC.

www.webb-engineering.com

X					Floor Cleanout – FCO-1 Wade Model 60001xNH75	
X					Wall Cleanout – WCO-1 Wade Model 8560xNH75	
X					Wall Cleanout – WCO-2 Wade Model 85602NH75 with Model 8304685 SS Access Cover (6") Model 8304685 SS Access Cover (8")	

REVIEWED BY: Michael R. Whitworth DATE: June 04, 2016

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

CANNONDESIGN

SUBMITTAL IDENTIFICATION SHEET

To be completed by Contractor/CM

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

Joe Voypick
SUBMITTED BY

221319-002
CONTRACTOR / CM SUBMITTAL NO.

CANNON DESIGN SUBMITTAL NO.

DRAWING / DETAIL REFERENCE

221319
SPECIFICATION SECTION / PARAGRAPH

DeLuca Plumbing LLC
MANUFACTURER / SUPPLIER

ITEM / PRODUCT ID

REQUIRED DATE

PRIORITY

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◯ Shop Drawings
- ◯ Samples (_____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◉ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ 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

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.

By:
Devin D. Gates

Joe Voypick
REVIEWED BY

5/25/16
DATE

To be completed by Reviewer

22 1319-002
CANNON DESIGN SUBMITTAL NUMBER

5/25/16
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.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

REVIEWED BY

DATE

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0052

Paric Corporation

PROJECT: Webster University Interdisciplinary Science Building

DATE: 05/25/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Sanitary Specialties 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		221319-002	1		05/25/2016	Sanitary Specialties 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 #	**221319-01**
Specification Description:	Sanitary Specialties
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