

SUBMITTAL FOR CHARLOTTE PIPE® PVC SCHEDULE 40 SOLID WALL PIPE AND PVC DWV FITTING SYSTEM

Date: _____

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

Scope:

This specification covers PVC Schedule 40 solid wall pipe and PVC DWV fittings used in sanitary drain, waste and vent (DWV), sewer and storm drainage applications. This system is intended for use in non-pressure applications where the operating temperature will not exceed 140° F.

Specification:

Pipe shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784. PVC Schedule 40 pipe shall be Iron Pipe Size (IPS) conforming to ASTM D 1785 and ASTM D 2665. Injection molded PVC DWV fittings shall conform to ASTM D 2665. Fabricated PVC DWV fittings shall conform to ASTM F 1866. All pipe and fittings shall be manufactured in the United States. All systems shall utilize a separate waste and vent system. Pipe and fittings shall conform to NSF International Standard 14.

Installation:

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire-stopping materials, thread sealant, plasticized-vinyl products or other aggressive chemical agents not compatible with PVC compounds. The system shall be hydrostatically tested after installation.

WARNING! Never test with or transport/store compressed air or gas in PVC pipe or fittings. Doing so can result in explosive failures and cause severe injury or death.

Referenced Standards:

- ASTM D 1784: Rigid Vinyl Compounds
 ASTM D 1785: PVC Plastic Pipe, Schedule 40
 ASTM D 2665: PVC Drain, Waste and Vent Pipe and Fittings
 ASTM D 2564: Solvent Cements for PVC Pipe and Fittings
 ASTM D 2321: Underground Installation of Thermoplastic Pipe (non-pressure applications)
 ASTM F 656: Primers for PVC Pipe and Fittings
 ASTM F 1668: Procedures for Buried Plastic Pipe
 ASTM F 1866: Fabricated PVC DWV Fittings
 NSF Standard 14: Plastic Piping Components and Related Materials



PVC Schedule 40 DWV Pipe

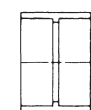
PVC Schedule 40 DWV Pipe

NSF

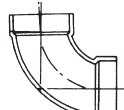
PVC SCHEDULE 40 (WHITE)		PLAIN END		PVC 1120		ASTM D 2665
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 7100*	1 1/4"x10'	03945	2120'	1.660	.140	42.4
PVC 7100*	1 1/4"x20'	03946	4240'	1.660	.140	42.4
PVC 7112*	1 1/2"x10'	03947	1720'	1.900	.145	50.7
PVC 7112*	1 1/2"x20'	03948	3440'	1.900	.145	50.7
PVC 7200*	2"x10'	03949	990'	2.375	.154	68.1
PVC 7200*	2"x20'	03950	1980'	2.375	.154	68.1
PVC 7300*	3"x10'	03951	1040'	3.500	.216	141.2
PVC 7300*	3"x20'	03952	920'	3.500	.216	141.2
PVC 7400†	4"x10'	03953	600'	4.500	.237	201.2
PVC 7400†	4"x20'	03954	1200'	4.500	.237	201.2
PVC 7500†	5"x20'	04837	760'	5.563	.258	272.5
PVC 7600†	6"x10'	03955	280'	6.625	.280	353.7
PVC 7600†	6"x20'	03956	560'	6.625	.280	353.7
PVC 7800†	8"x10'	13087	180'	8.625	.322	532.3
PVC 7800†	8"x20'	03958	360'	8.625	.322	532.3
PVC 7910†	10"x20'	03959	220'	10.750	.365	754.7
PVC 7912†	12"x20'	03961	120'	12.750	.406	997.9
PVC 7914†	14"x20'	04862	60'	14.000	.437	1180.1
PVC 7916†	16"x20'	04918	60'	16.000	.500	1543.1

* Dual Marked ASTM D 1785 & ASTM D 2665.

† Triple Marked ASTM D 1785 & ASTM D 2665 & ASTM F 480.



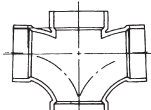
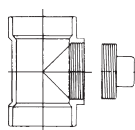
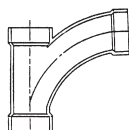
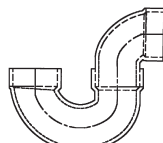
Coupling



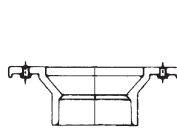
Quarter Bend



Eighth Bend

Double
Sanitary TeeCleanout Tee
w/PlugCombination Wye
& Eighth Bend

P-Trap



Closet Flange

Not all fitting patterns shown

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CRESLINE®
CRESLINE PLASTIC PIPE CO., INC.

PVC-DS PIPE - ASTM D-2729

FORM NO. 562 SPECIFICATIONS

DECEMBER, 2010

WHEN ORDERING ORDER BY PART NUMBER
ADDITIONAL 10% CHARGE IF NOT ORDERED IN PALLET QUANTITIES.

PVC-DS ASTM D-2729 SOLID & PERFORATED	SIZE	O.D.	MIN. WALL	WEIGHT PER 100'	FEET PER PALLET	PALLETS PER T.L.	PART NO. SOLID	PART NO. PERF.
	3	3.250	.070	45.45	1000	32	52805	52880
	4	4.215	.075	63.57	900	24	52815	52910
	4*	4.215	.075	63.57	900	24		52935
	6	6.275	.100	126.43	350	24	52155	52260

FURNISHED IN 10' LENGTHS BELLED END.

CRESLINE PVC-DS PIPE CONFORMS TO ASTM D-2729 SPECIFICATIONS.

→ PERFORATED WITH 2 ROWS OF 5/8" HOLES ON 5" CENTERS 120° APART. MEETS MICHIGAN STANDARD.

*PERFORATED WITH 3 ROWS OF 5/8" HOLES ON 5" CENTERS 120° APART. MEETS INDIANA CODE.

PVC SOLVENT CEMENT LISTED ON FORM NO. 466.

PRICES ARE LISTED ON CRESLINE MASTER LIST PRICE SHEET FORM NO. MLP-2.

PPFA MEMBER
PLASTIC PIPE
AND FITTINGS
ASSOCIATION

CRESLINE PLASTIC PIPE CO., INC.

600 Cross Pointe Blvd.
264 Silver Spring Rd.
2100 South 35th St.
3801 East Hwy. 31

Evansville, IN 47715
Mechanicsburg, PA 17050
Council Bluffs, IA 51501
Corsicana, TX 75109

812-428-9350
717-766-2566
712-322-2294
903-872-8475

www.cresline.com

Fax 812-428-9353
Fax 717-697-2371
Fax 712-322-6673
Fax 903-872-7732

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: June 13, 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	221316P01	(Submittal No.'s)
		(Cannon #22 1316-001) - (Paric #15051-) – (WES #607)
		• Storm & Sanitary Piping Product Data

***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 11, 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 1316 Sanitary Waste and Vent Piping	1	06-11-2016

•Signature: Mike Whitworth

**WEBB
ENGINEERING
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 ISILOCATION: St. Louis MissouriCLIENT PROJ. NO.: N/AWES PROJ. NO.: 607SPEC SECTION: 22 1316
Sanitary &
Storm PipingSUBMITTAL ITEM: See Below -CONTRACTOR: Deluca Plumbing, LLC.CTR. SUBMITTAL # 22 1316-001SUBMITTAL DATE: May 23, 2016DATE RECEIVED: June 08, 2016RECEIVED VIA: E-MailRECEIVED FROM: WTADATE RETURNED: JUNE 11, 2016RETURNED VIA: E-MAILRETRURNED TO: WTASHOP@WMTAO.COM

STATUS KEY:

NO EXCEPTION TAKEN

MAKE CORRECTIONS NOTED, NO RESUBMITTAL:

AMEND AND RESUBMIT

REJECTED, SEE REMARKS:

REVIEWED ONLY

NEC	MCN	AAR	REJ	REV	ITEM	REMARKS
X					No-Hub Pipe and Fittings Charlotte Pipe and Foundry Storm and Sanitary Above Ground	
X					N-Hub Couplings IDEAL Heavy-Duty	
X					Schedule 40 PVC Solid Wall Charlotte Pipe and Foundry Storm and Sanitary Below Ground	
X					Drain Tile Cresline Perforated PVC-DS with Geo Tex Fabric	

REVIEWED BY: Michael R. Whitworth DATE: June 11, 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
CRITICALITY	

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:

By:
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. 15051-0074

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 06/07/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Storm and Sanitary Piping 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		221316-001	1		06/07/2016	Storm and Sanitary Piping 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 # **221316-01**
221416-01

Specification Description: SANITARY & STORM PIPING

Date: 05-23-16

General Contractor / Construction Manager: PARIC

ARCHITECT: KWA

ENGINEER: William Tao / Webb

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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