CHARLOTTE PIPE AND FOUNDRY COMPANY®

SUBMITTAL FOR CHARLOTTE PIPE®
PVC CELLULAR (FOAM CORE) PIPE AND PVC DWV FITTING SYSTEM

Date: _____

Job Name: _____ Location: _____

Engineer: _____ Contractor: _____

Scope:
This specification covers PVC cellular (foam core) 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.

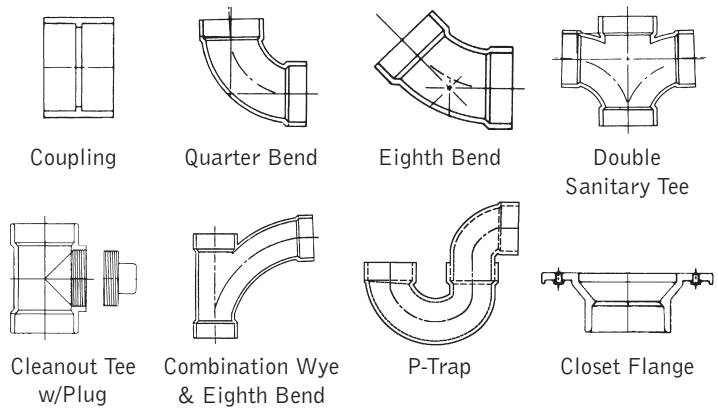
Specification:
Pipe shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 11432 as identified in ASTM D 4396. Fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.

PVC cellular core pipe shall be Iron Pipe Size (IPS) conforming to ASTM F 891. Injection molded PVC DWV fittings shall conform to ASTM D 2665. Farbricated PVC DWV fittings shall conform to ASTM F 1866. All systems shall utilize a separate waste and vent system. All pipe and fittings shall be manufactured in the United States. 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 4396:	Compounds for Cellular Core
ASTM F 891:	Co-extruded PVC Pipe with Cellular Core
ASTM D 2665:	PVC Drain, Waste and Vent Fittings
ASTM D 2564:	Solvent Cements for PVC Pipe and Fittings
ASTM D 2321:	Underground Installation of Thermoplastic Pipe (non-pressure applications)
ASTM F 1668:	Procedures for Buried Plastic Pipe
ASTM F 1866:	Fabricated PVC DWV Fittings
NSF Standard 14:	Plastic Piping Components and Related Materials



Not all fitting patterns shown

MADE IN USA

PVC Foam Core Pipe

PVC Schedule 40 DWV Pipe (For Non-Pressure Applications)

NSF

PVC SCHEDULE 40 FOAM CORE (WHITE)			PLAIN END			ASTM F 891
PART NO.	NOM. SIZE	UPC # 611942-	QTY. PER SKID	AVG. OD (IN.)	MIN. WALL (IN.)	WT. PER 100 FT. (LBS.)
PVC 4112	1½″ x 10′	04178	1650′	1.900	0.145	32.3
PVC 4112	1½″ x 20′	04177	3300′	1.900	0.145	32.3
PVC 4200	2″ x 10′	04174	1110′	2.375	0.154	43.9
PVC 4200	2″ x 20′	04173	2220′	2.375	0.154	43.9
PVC 4300	3″ x 10′	03934	1130′	3.500	0.216	89.7
PVC 4300	3″ x 20′	03935	1000′	3.500	0.216	89.7
PVC 4400	4″ x 10′	03936	670′	4.500	0.237	123.8
PVC 4400	4″ x 20′	03937	1340′	4.500	0.237	123.8
PVC 4600	6″ x 10′	03938	330′	6.625	0.280	235.0
PVC 4600	6″ x 20′	03939	660′	6.625	0.280	235.0
PVC 4800	8″ x 20′	03941	360′	8.625	0.322	371.0
PVC 4910	10″ x 20′	03942	220′	10.750	0.365	566.3
PVC 4912	12″ x 20′	03943	120′	12.750	0.406	700.0