

# 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. Fabricated 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.

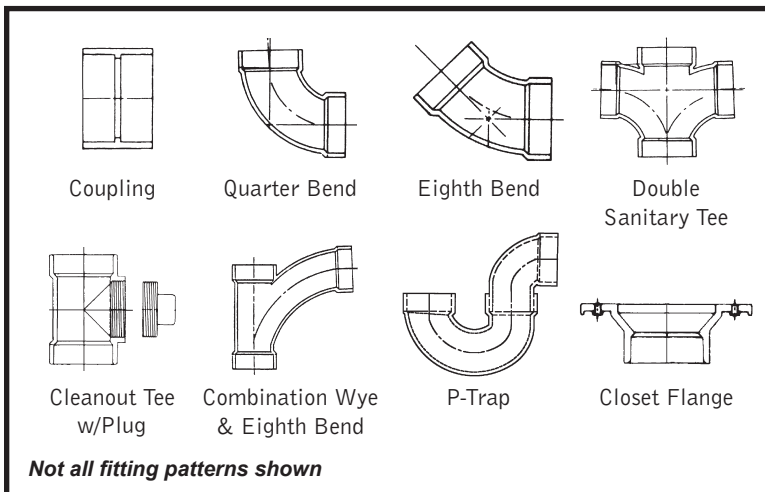
**► Installation:**

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



<b>PVC Foam Core Pipe</b>						
<b>PVC Schedule 40 DWV Pipe (For Non-Pressure Applications)</b>						
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	1 1/2" x 10'	04178	1650'	1.900	0.145	32.3
PVC 4112	1 1/2" 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	1040'	3.500	0.216	89.7
PVC 4300	3" x 20'	03935	920'	3.500	0.216	89.7
PVC 4400	4" x 10'	03936	600'	4.500	0.237	123.8
PVC 4400	4" x 20'	03937	1200'	4.500	0.237	123.8
PVC 4600	6" x 10'	03938	280'	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

