



SECTION A-A

SECTION VIEW

BLOCKING SCHEDULE					
PIPE SIZE		BENDS			ROD DIA.
		45°	22 1/2°	11 1/4°	
8"	VOLUME REQ'D (CU.FT.)	38.47	19.61	9.85	3/4 IN.
	A (FT.)	4.00	4.00	4.00	
	B (FT.)	2.50	1.65	1.30	
	C (FT.)	4.00	3.00	2.00	
	CLAMP (2 EA.)	3/8 IN. X 1-1/2 IN.			
12"	VOLUME REQ'D (CU.FT.)	86.56	44.13	22.17	7/8 IN.
	A (FT.)	5.00	5.00	5.00	
	B (FT.)	4.40	2.30	1.50	
	C (FT.)	4.00	4.00	3.00	
	CLAMP (2 EA.)	9/16 IN. X 2 IN.			
20"	VOLUME REQ'D (CU.FT.)	240.43	125.25	65.66	1 IN.
	A (FT.)	6.00	6.00	6.00	
	B (FT.)	5.10	4.20	2.75	
	C (FT.)	8.00	5.00	4.00	
	CLAMP (2 EA.)	5/8 IN. X 2-9/16 IN.			
24"	VOLUME REQ'D (CU.FT.)	346.25	180.39	94.58	1 IN.
	A (FT.)	6.00	6.00	6.00	
	B (FT.)	7.25	4.50	3.20	
	C (FT.)	8.00	7.00	5.00	
	CLAMP (2 EA.)	5/8 IN. X 3 IN.			

VOLUME CALCULATED ON THE BASIS OF CONCRETE REACTING THRUST ON THE RESPECTIVE BENDS UNDER AN INTERNAL PRESSURE OF 150 PSI AND THE WEIGHT OF CONCRETE IS 150 LBS PER CU. FT.

NOTES:

1. DIMENSIONS AND CONCRETE VOLUMES SHOWN ARE GENERAL IN NATURE. EXACT SIZING SHALL BE BASED ON ENGINEER'S DESIGNS.
2. ALL FITTINGS SHALL BE MECHANICAL JOINTS.
3. DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
4. WRAP ALL FITTINGS WITH POLYETHYLENE.
5. RETAINERS TO BE MEGA-LUG WITH 3/4" STAINLESS STEEL ALL THREAD RESTRAINING RODS OR APPROVED EQUAL.

VERTICAL TIE-DOWN BLOCKING

N.T.S.



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STANDARD DETAILS  
FOR  
WATER AND SEWER CONSTRUCTION

DRAWN BY: TLS

DRAWING NO: S-4

DATE: MARCH 2008