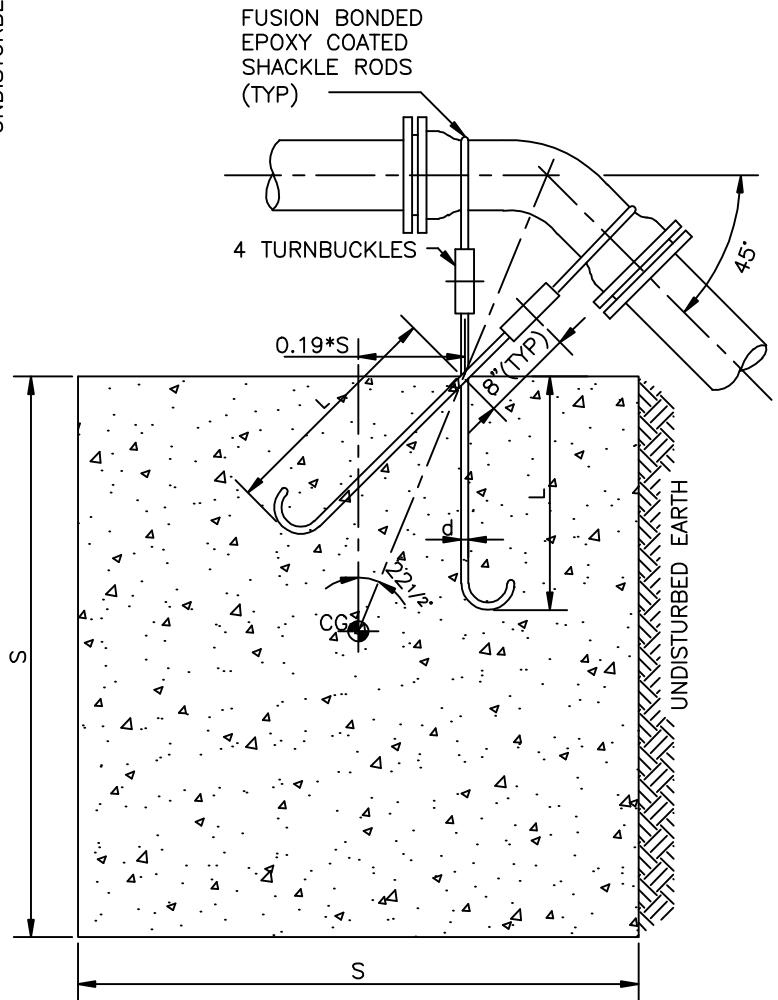


TYPE A

TYPE A BLOCKING FOR 11 1/4' & 22 1/2' VERTICAL BENDS						
PIPE SIZE NOM DIA INCHES	TEST PRESSURE PSI	VB VERTICAL BEND DEGREES	NO OF CU FT OF CONC BLOCKING	S SIDE OF CUBE FEET	d DIA OF SHACKLE RODS (2) INCHES	L DEPTH OF RODS IN CONCRETE INCHES
4"	300	111/4	8	2	3/4	18
		221/2	12	2 1/4		24
6"	300	111/4	12	2 1/4	3/4	24
		221/2	27	3		
8"	300	111/4	16	2 1/2	3/4	24
		221/2	43	3 1/2		
12"	300	111/4	64	4	1	36
		221/2	125	5	1	36



TYPE B

TYPE B BLOCKING FOR 45° VERTICAL BENDS						
PIPE SIZE NOM DIA (INCHES)	TEST PRESSURE (PSI)	VB VERTICAL BEND (DEGREES)	NO OF CU FT OF CONC BLOCKING	S SIDE OF CUBE (FEET)	d DIA OF SHACKLE RODS (4) (INCHES)	L DEPTH OF RODS IN CONCRETE (INCHES)
4"	300	45	27	3	3/4	20
6"			64	4		
8"			125	5		
12"			216	6		

FOR NOTES SEE STD DETAIL NO. W-175



APPROVED BY	L. OLIVE
DATE	07/31/2008
REF STAD SPEC	

DEPARTMENT OF PUBLIC WORKS
STANDARD DETAILS
VERTICAL THRUST BLOCK
TYPE A & TYPE B

STANDARD DETAIL
NUMBER

W-170