

VERTICAL DOWN BEND

TABLE A
UPWARD THRUST GRAVITY BLOCKS

PIPE DIA.	MIN. TOP WIDTH W1	ANGLE (degrees)	BOTTOM WIDTH- W2 (in)
6"	6"	0-5	NOTE 2
		5-15	24
		15-25	48
		⊳ 25	NOTE 1
	6"	0-5	NOTE 2
0"		5-9	30
8"		9-15	36
		⊳ 15	NOTE 1
12"	6"	0-5	NOTE 2
		5-15	48
		⊳ 15	NOTE 1
	12"	0-5	NOTE 2
16"		5-10	60
		10-15	96
		⊳ 15	NOTE 1
24" THRU	36" DIA.	⊳ 5.0	NOTE 1
42" THRU	48" DIA.	> 3.0	NOTE 1

NOTES:

- 1- FOR ANGLES GREATER THAN THOSE INDICATED RESTRAINED JOINTS SHALL BE INSTALLED
- 2- FOR JOINT DEFLECTIONS LESS THAN 5 DEGREES, NO HORIZONTAL OR VERTICAL THRUST RESTRAINT IS REQUIRED FOR PIPES LESS THAN 42" IN DIAMETER.

THRUST BLOCK DESIGN AS FOLLOWS

- A. PRESSURE OF 150 P.S.I. (ACTUAL IF HIGHER) + 50 % SURGE ALLOWANCE
- B. MAXIMUM SOIL BEARING SEE TABLE BELOW

SOIL TYPES	PRESSURE
LOOSE OR SPONGY SOIL UNDISTURBED SOIL, CALICHE LIMESTONE ROCK	1500 Lb/Sq.Ft. 2000 Lb/Sq.Ft. 4000 Lb/Sq.Ft.



DRAWN BY:

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APPROVED BY:

STANDARD DRAWING:

CONCRETE THRUST BLOCKING

UPDATED: SCALE: SHEET: DRAWING NO. 22	1
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