

**DIMENSIONS FOR CONCRETE BLOCKING
FOR BENDS-DOWNWARD THRUST**

BEND	SIZE	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU. YD.)
11 ¼"	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	1.0	2.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
22 ½"	20"	2.0	3.0	19"	3.0	0.5
	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
45°	16"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	3.0	1.0
	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
90°	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
	20"	4.0	8.0	19"	5.0	2.8
	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3

DIMENSIONS FOR CONCRETE BLOCKING-HORIZONTAL THRUST ①


BEND	SIZE	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU. YD.)
11 ¼"	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	1.0	2.0	11"	2.0	0.1
	18"	2.0	3.0	15"	2.0	0.3
22 ½"	20"	2.0	3.0	19"	3.0	0.5
	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
45°	18"	2.0	4.0	15"	3.0	0.6
	20"	3.0	5.0	19"	4.0	1.4
	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
90°	12"	2.0	4.0	11"	3.0	0.7
	18"	4.0	7.0	15"	4.0	2.1
	20"	5.0	8.0	19"	5.0	3.1
	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	18"	4.0	7.0	15"	5.0	3.1
	20"	5.0	8.0	19"	7.0	5.3

CONCRETE REQUIRED TO RESIST UPWARD THRUST

BEND	SIZE	VOLUME (CU. YD.)	"A" NO. OF VERT. BARS REQ'D.
11 ¼"	6"	0.3	2
	8"	0.5	2
	12"	1.4	2
	16"	2.4	3
22 ½"	20"	3.8	3
	6"	0.7	2
	8"	1.2	2
	12"	2.7	2
45°	16"	4.8	3
	20"	7.4	3
	6"	1.2	2
	8"	2.2	2
90°	12"	4.9	2
	16"	8.8	3
	20"	13.7	3
	6"	1.8	2
	8"	3.1	2
	12"	7.0	3
	16"	12.4	3
	20"	19.4	4

TEE BRANCHES
PLUGS & CAPS
(FOR ALL CIRCUMSTANCES)

* SEE SWG. NO. 132A FOR THRUST BLOCK SPECIFICATIONS

FULTON COUNTY STANDARD DETAIL 132B STANDARD THRUST BLOCKS FOR WATER		
DATE: 8/08 REVISIONS: NRR	DATE: _____ REVISIONS: _____	DGS./DRN./CHKD.: REB APPROVED: _____ DATE: 12-2-05
	FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-612-7400 FAX: 404-224-0498	DRAWING NO. 132B