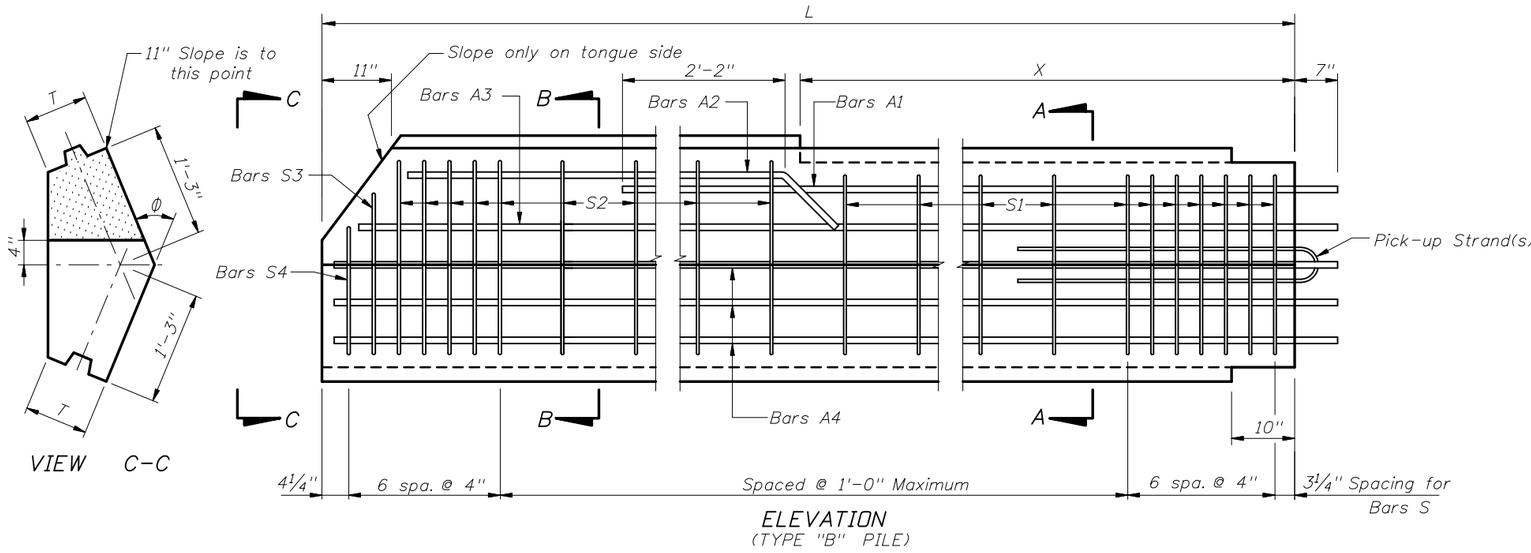
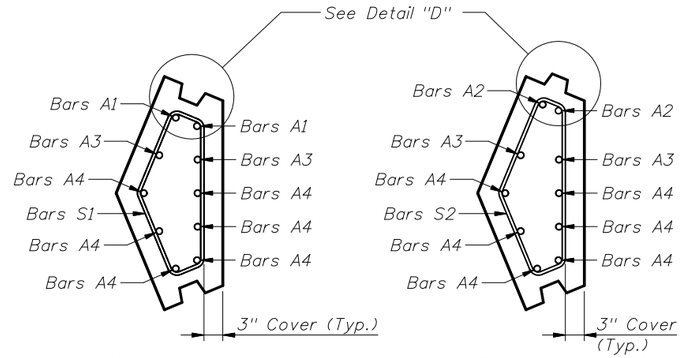
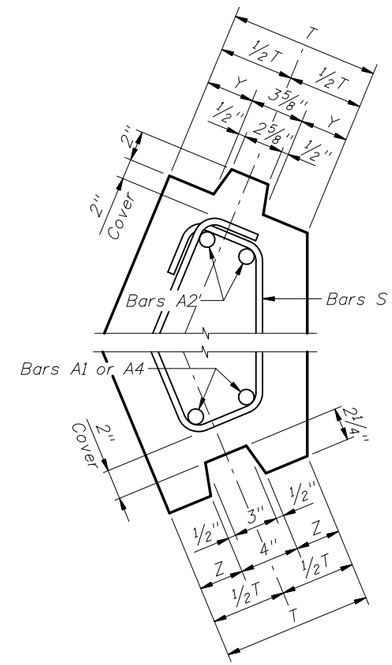


ELEVATION
(TYPE "B" PILE)



SECTION A-A

SECTION B-B



DETAIL D

SHEET PILE DIMENSIONS		
T (in.)	10	12
Y (in.)	3⅜16	4⅜16
Z (in.)	3	4

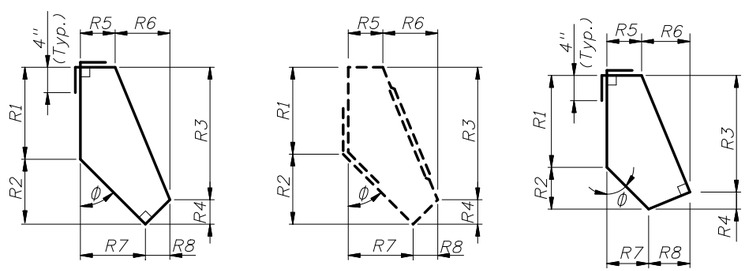
BAR BENDING DIAGRAMS

STIRRUP DIMENSIONS (T = 10")

Ø	BAR MARK	R1	R2	R3	R4	R5	R6	R7	R8
30°	S1	11¼"	9¾"	1'-6½"	2½"	5"	4¾"	5½"	4¼"
	S2	1'-1½"	9¾"	1'-8¾"	2½"	4½"	5½"	5¾"	4¼"
	S3	11¼"	8"	1'-6"	1¼"	5"	4½"	4½"	5"
	S4	11¼"	4¼"	1'-1¾"	1¾"	5"	3¾"	2½"	6¼"
45°	S1	11½"	8"	1'-4"	4"	5½"	6½"	8"	4"
	S2	1'-1¾"	8"	1'-5¾"	4"	4½"	7½"	8"	4"
	S3	11½"	6¾"	1'-4"	2¼"	5½"	6¾"	6¾"	5½"
	S4	11½"	3½"	1'-0"	3"	5½"	5"	3½"	7"
60°	S1	1'-0"	6"	1'-0¾"	5¼"	6"	7¼"	10¼"	3"
	S2	1'-2"	6"	1'-2¾"	5¼"	4¾"	8¾"	10½"	3"
	S3	1'-0"	4¾"	1'-1½"	3¼"	6"	8"	8¾"	5¼"
	S4	1'-0"	2½"	10"	4½"	6"	5¾"	4"	7½"

STIRRUP DIMENSIONS (T = 12")

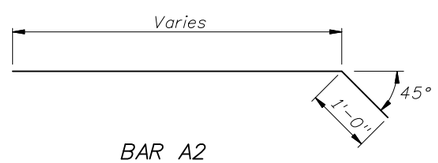
Ø	BAR MARK	R1	R2	R3	R4	R5	R6	R7	R8
30°	S1	11½"	10"	1'-6"	3½"	7"	4¾"	5¾"	6"
	S2	1'-1¾"	10"	1'-8¼"	3½"	6½"	5¼"	5¾"	6"
	S3	11½"	8¼"	1'-5¾"	2"	7"	4¾"	4½"	7¼"
	S4	11½"	4"	1'-1¼"	2¼"	7"	3¾"	2½"	8¼"
45°	S1	1'-0"	8½"	1'-3¼"	5¼"	7½"	6¼"	8½"	5¼"
	S2	1'-2¼"	8½"	1'-5½"	5¼"	6½"	7¼"	8½"	5¼"
	S3	1'-0"	7"	1'-4"	3"	7½"	6¾"	7"	7¼"
	S4	1'-0"	3½"	11¾"	3¾"	7½"	5"	3½"	9"
60°	S1	1'-0½"	6¼"	11¾"	7"	8"	6¾"	10¾"	4"
	S2	1'-2¾"	6¼"	1'-2"	7"	6¾"	8"	10¾"	4"
	S3	1'-0½"	5"	1'-1½"	4"	8"	8"	9"	7"
	S4	1'-0½"	2½"	9½"	5½"	8"	5½"	4¼"	9¼"



1 - PIECE BARS S1 & S2

2 - PIECE BARS S1 & S2

BARS S3 & S4



BAR A2

NOTES:

1. Work this standard with Index No. 20400.
2. This drawing includes details for precast concrete corner piles for 10" and 12" thick sheet pile systems. The details apply equally to both thicknesses.
3. The bar configurations shown in Sections A-A and B-B shall be used for Ø angles between 15° and 75°. For Ø angles not shown, the reinforcing bar dimensions may be interpolated or extrapolated from the stirrup dimensions shown.
4. All bar dimensions are out-to-out.
5. Bars A are #8 and Bars S are #4.
6. Values for Stirrup Dimensions are shown for Ø equal to 30°, 45° & 60° only.
7. At the Contractor's option Bars S may be fabricated as a 2 piece bar with a minimum lap length of 1'-6", as shown in Bar Bending Diagrams.
8. If Type "B" pile is used as a Starter Pile show tongue on both sides of pile from Dim. "X" down. Show dimensions for Bars S2, S3 & S4 in shop drawings.
9. If tongue must be on the opposite side from that shown all dimensions and Bars A, S2, S3 and S4 will be the same but opposite hand.
10. For Dimensions L , X and Ø Angle see Sheet Pile Data Table in Structures Plans.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

2008 FDOT Design Standards

PRECAST CONCRETE SHEET PILE TYPE "B" - VARIABLE ANGLE CORNER PILE

Last Revision	Sheet No.
07/01/07	1 of 1

Index No. 20430