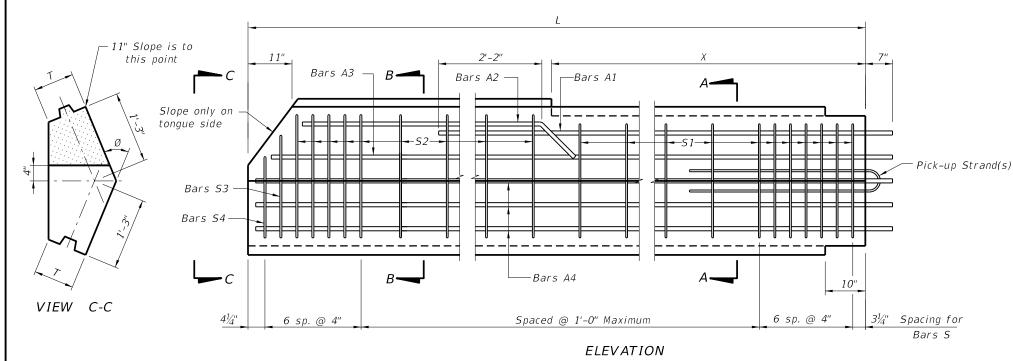


07/01/13

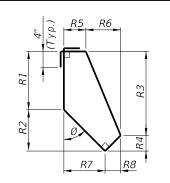


(TYPE "B1" PILE SHOWN, TYPE "B2" PILE OPPOSITE HAND)

BAR BENDING DIAGRAMS

100-04	STIRRUP DIMENSIONS $(T = 10")$									
V 100040	Ø	BAR MARK	R1	R:2	R:3	R4	R·5	R·6	R7	R8
.ts \standat ds \structut es \tal fell \feau	30°	<i>S</i> 1	11½"	9¾"	1'-6½"	2½"	5"	4¾"	5½"	41/4"
		<i>S2</i>	1'-1½"	9¾"	1'-8¾"	2½"	4½"	5½"	5¾"	41/4"
		<i>S3</i>	1 1½"	8"	1'-6"	11/4"	5"	4½"	4½"	5"
		54	1 1½"	41/4"	1'-1 ³ / ₄ "	1¾"	5"	3¾"	2½"	$6\frac{1}{4}''$
	45°	<i>S</i> 1	11½"	8"	1'-4"	4"	5½"	6½"	8"	4"
		<i>S</i> -2	1'-13/4"	8"	1'-5 ³ / ₄ "	4"	4½"	7½"	8"	4"
		53	11½"	6¾"	1'-4"	21/4"	5½"	6¾"	6¾"	$5\frac{1}{2}$ "
		54	11½"	3½"	1'-0"	3"	5½"	5"	3½"	7"
	60°	<i>S</i> 1	1'-0"	6"	1'-0¾"	5½"	6"	7½"	101/4"	3"
		S-2	1'-2"	6"	1'-2¾"	5½"	4¾"	8¾"	10½"	3"
		<i>S3</i>	1'-0"	4¾"	1'-1½"	31/4"	6"	8"	8¾"	5½"
or oyerts		54	1'-0"	2½"	10"	4½"	6"	5¾"	4"	7½"

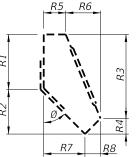
STIRRUP DIMENSIONS (T = 12")									
Ø	BAR MARK	R1	R2	R:3	₽ 4	R·5	R6	R7	R8
	<i>S</i> 1	11½"	10"	1'-6"	3½"	7"	4¾"	5¾"	6"
30°	S-2	1'-13/4"	10"	1'-81/4"	3½"	6½"	5½"	5¾"	6"
30	53	11½"	81/4"	1'-5¾"	2"	7"	4¾"	4½"	7½"
	54	11½"	4"	1'-11/4"	21/4"	7"	3¾"	2½"	8¼"
	<i>S1</i>	1'-0"	8½"	1'-31/4"	5½"	7½"	$6\frac{l}{4}''$	8½"	5½"
45°	<i>S2</i>	1'-21/4"	8½"	1'-5½"	5½"	6½"	7½"	8½"	5½"
43	53	1'-0"	7"	1'-4"	3"	7½"	6¾"	7"	7½"
	54	1'-0"	3½"	11¾"	3¾"	7½"	5"	31/2"	9"
	<i>S1</i>	1'-01/2"	6¼"	1 1 ³ / ₄ "	7"	8"	6¾"	10¾"	4"
60°	S-2	1'-2¾"	6½"	1'-2"	7"	6¾"	8"	10¾"	4"
	53	1'-01/2"	5"	1'-1½"	4"	8"	8"	9"	7"
	54	1'-01/2"	2½"	9½"	5½"	8"	5½"	41/4"	91/4"

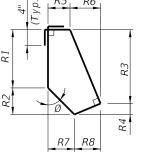


LAST

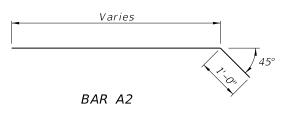
REVISION

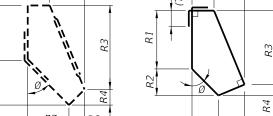
07/01/12





BARS 53 & 54



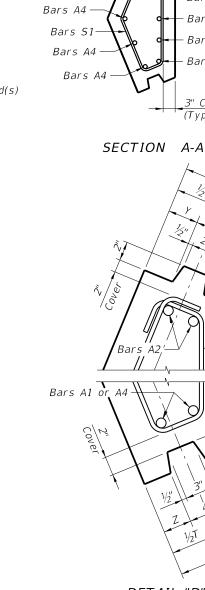


1 - PIECE 2 - PIECE

BARS S1 & S2

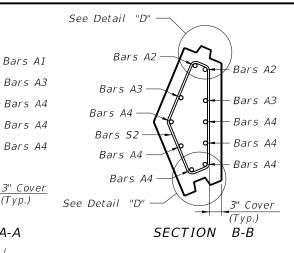
≥ DESCRIPTION:

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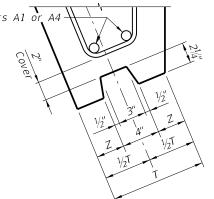


Bars A1

Bars A3



SHEET PILE DIMENSIONS T (in.) 10 12 $3\frac{3}{16}$ $4\frac{3}{16}$ Y (in.) Z (in.) 4



(Typ.)

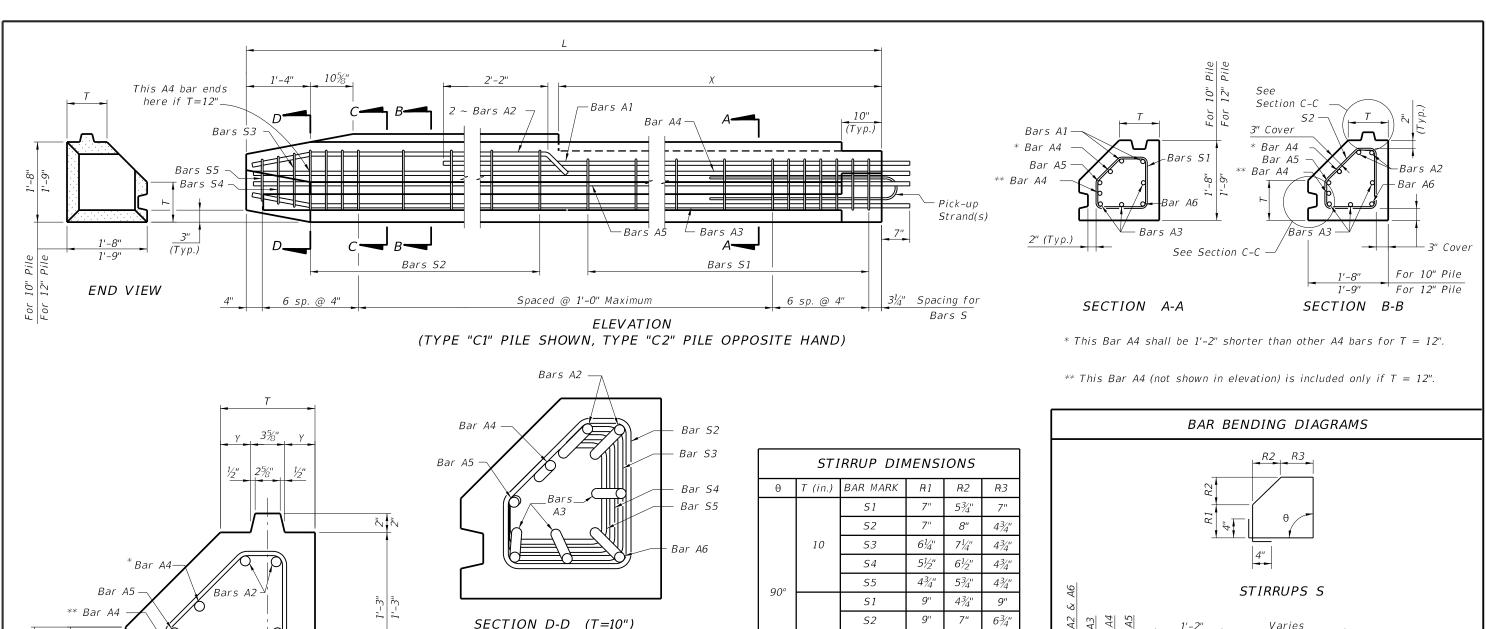
-Bars S

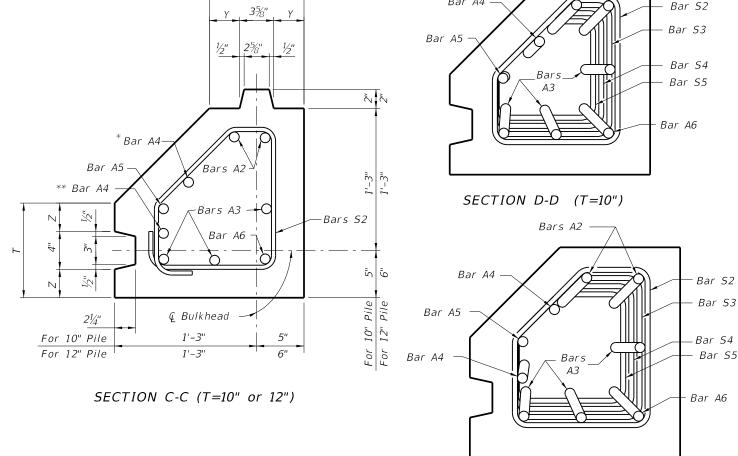
DETAIL "D" (TYPE "B1" PILE SHOWN, TYPE "B2" PILE OPPOSITE HAND)

- 1. This drawing includes details for precast concrete corner piles for 10" and 12" thick sheet pile systems. The details apply equally to both thicknesses.
- 2. 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.
- 3. All bar dimensions are out-to-out.
- 4. Bars A are #8 and Bars S are #4.
- 5. Values for Stirrup Dimensions are shown for Ø equal to 30°, 45° & 60° only.
- 6. 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.
- 7. If Type "B1" or "B2" 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.
- 8. 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.
- 9. For Dimensions L, X and Angle Ø, see Sheet Pile Data Table in Structures Plans.

TYPE "B1" AND "B2" - VARIABLE ANGLE CORNER PILE

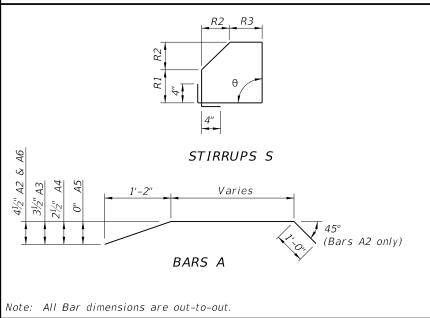
INDEX NO. 6040





STIRRUP DIMENSIONS							
θ	9 T (in.) BAR MARK		R1	R·2	R:3		
	10	S1	7"	5 ³ / ₄ "	7"		
		52	7"	8"	43/4"		
		53	61/4"	71/4"	4¾"		
		54		6½"	43/4"		
90°		<i>S5</i>	43/4"	5¾"	43/4"		
90	12	S1	9"	43/4"	9"		
		52	9"	7"	6¾"		
		12 53		$6\frac{1}{4}$ "	6¾"		
		54		5½"	$6\frac{3}{4}$ "		
		<i>S5</i>	6¾"	43/4"	6¾"		

SHEET PI	LE DIME	NSIONS
T (in.)	10	12
Y (in.)	3 ³ / ₁₆	4¾ ₆
Z (in.)	3	4



NOTES:

- 1. All bar dimensions are out-to-out.
- 2. Bars A are #8 and Bars S are #4.
- 3. This drawing includes information for precast Corner Piles for 10" and 12" thick Sheet Pile systems. The details apply to both thicknesses but the bar configurations change slightly according to the thickness values used.
- 4. If Type "C1" or "C2" 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 & S5 in shop drawings.
- 5. If tongue must be on opposite side (Groove Side) from that shown, all dimensions and reinforcement shall follow the corresponding Tongue
- 6. For Dimensions L and X see Sheet Pile Data Table in Structures Plans.

TYPE "C1" AND "C2" - RIGHT ANGLE CORNER PILE

≥ DESCRIPTION: LAST REVISION 07/01/12



FDOT 2014 DESIGN STANDARDS

SECTION D-D (T=12")