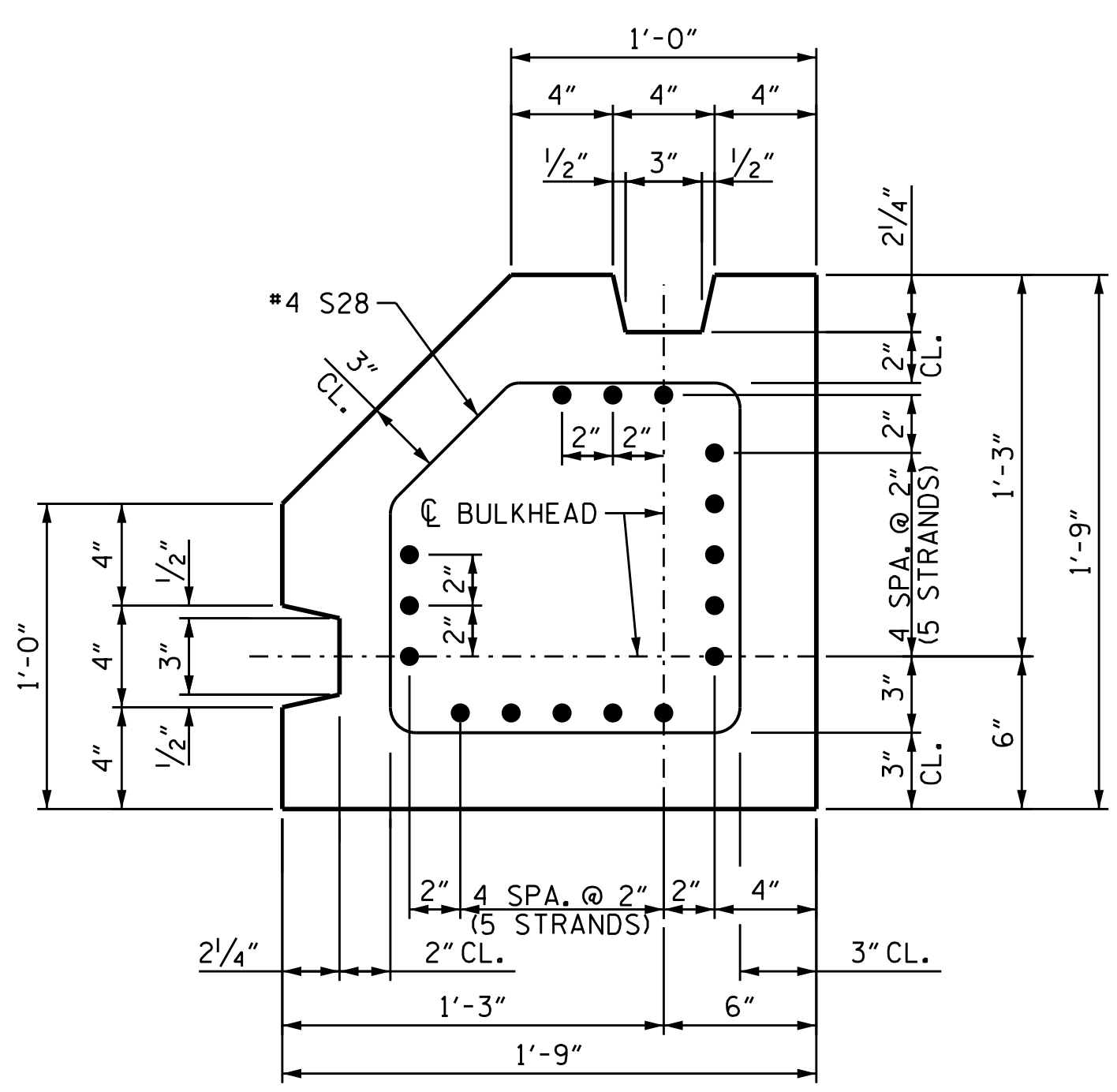
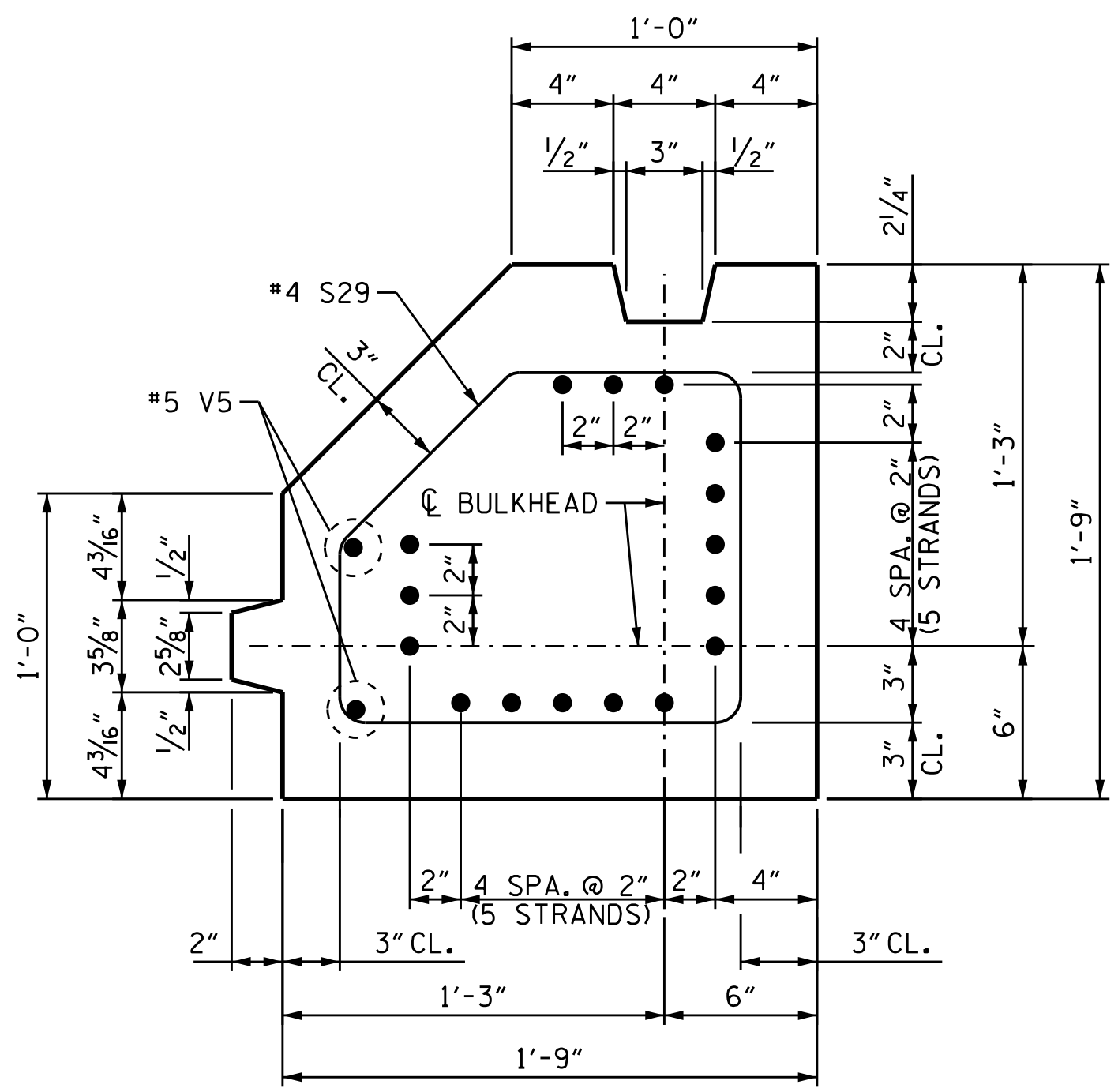


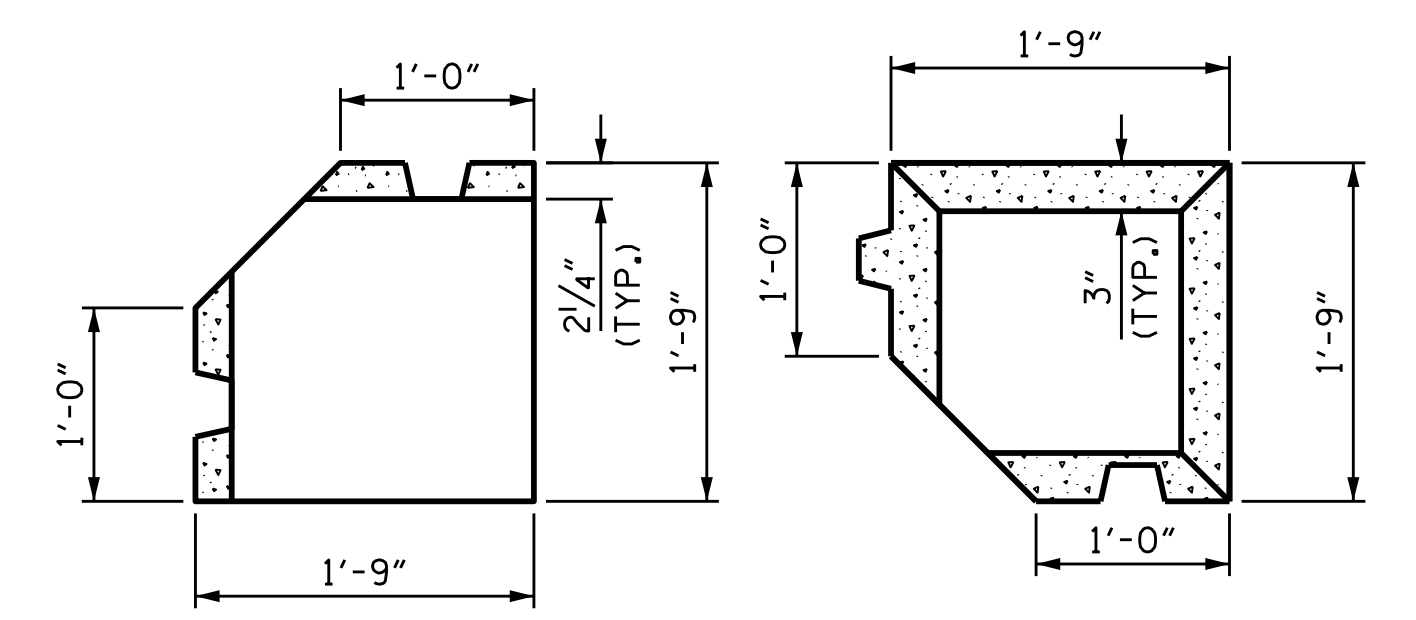
**PILE TYPES C1 & C2
(CORNER PILES)**
(PILE TYPE C2 SHOWN, PILE TYPE C1 SIM.)



SECTION B-B

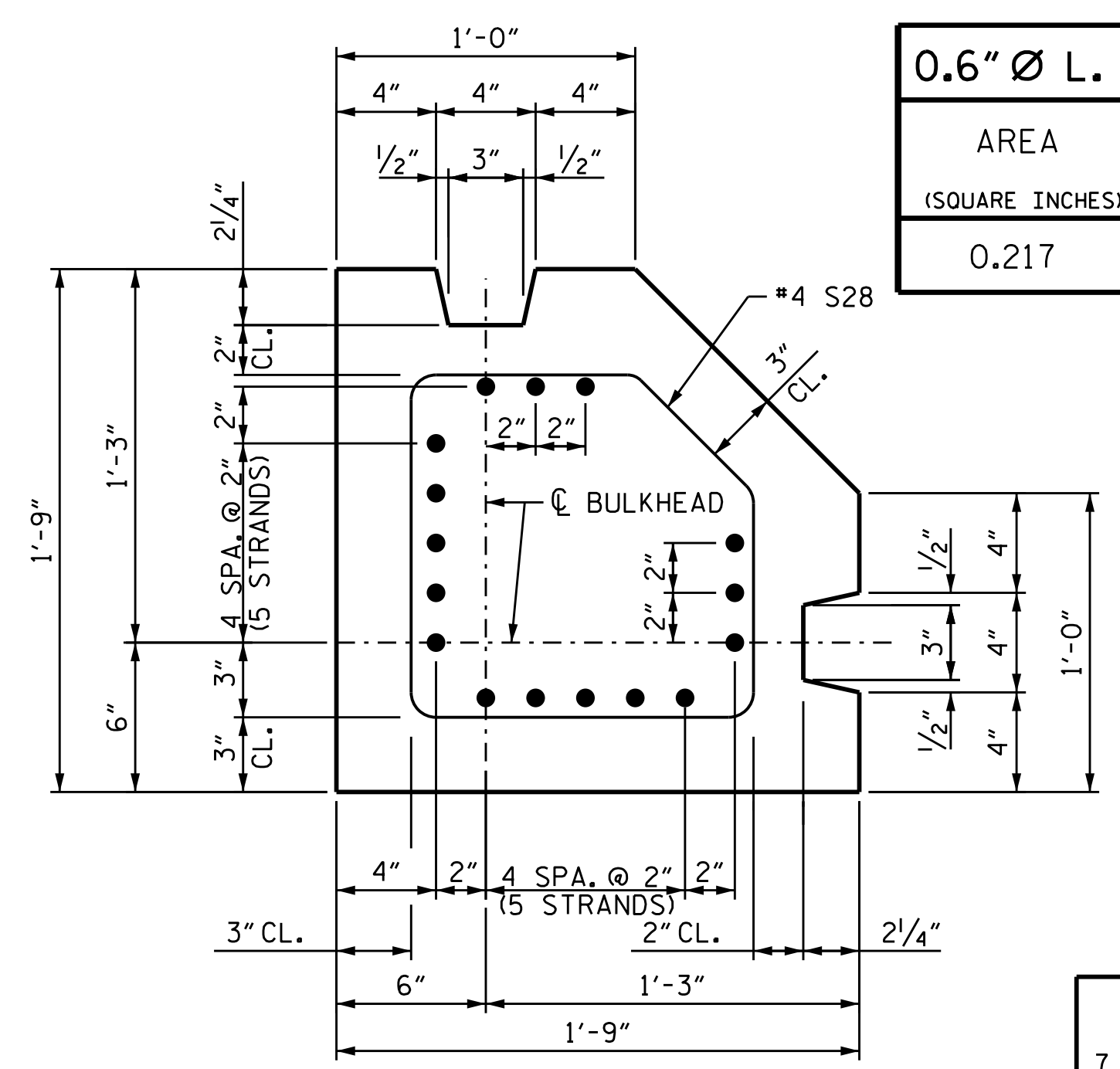


SECTION C-C

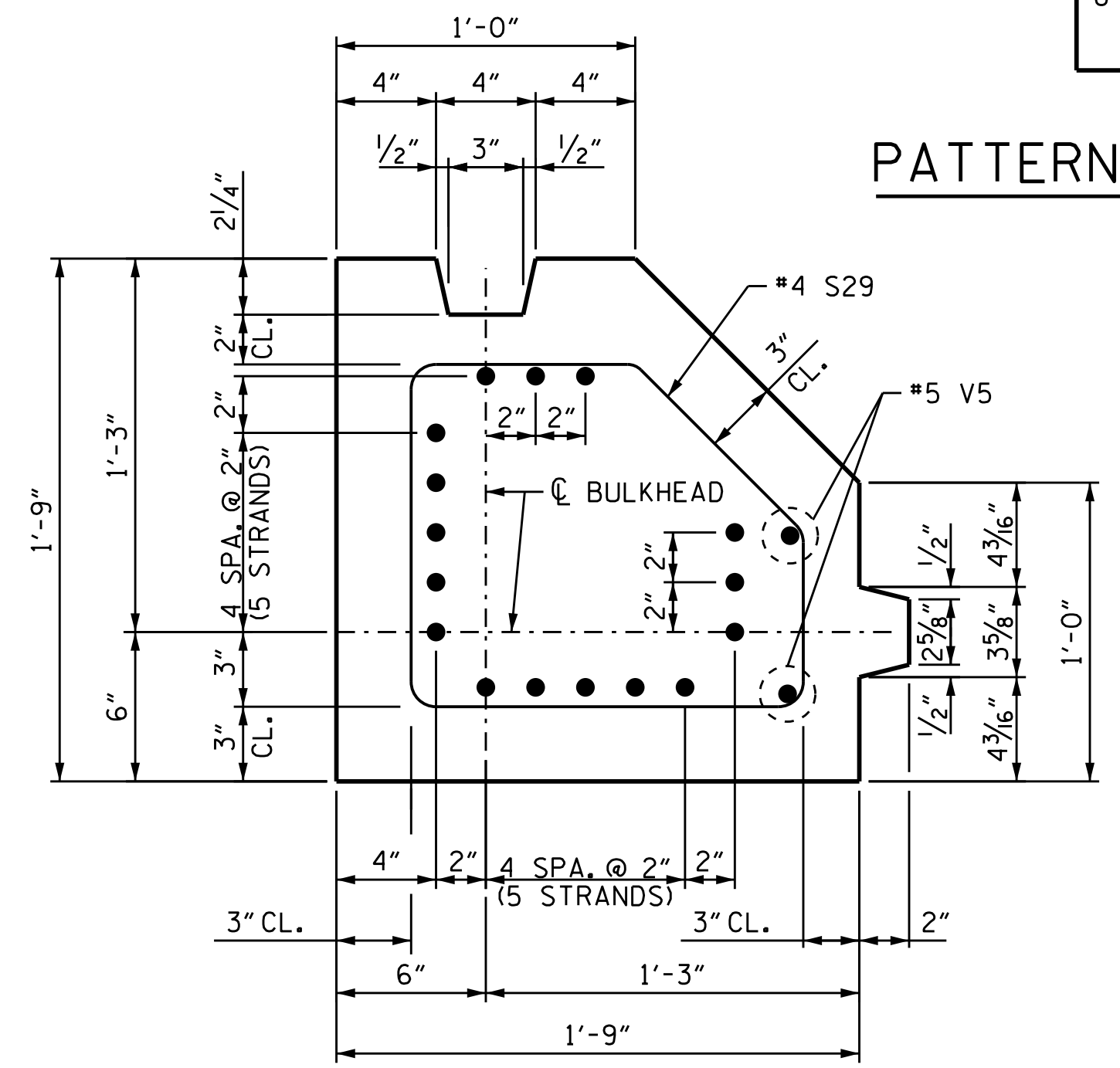


TOP VIEW BOTTOM VIEW

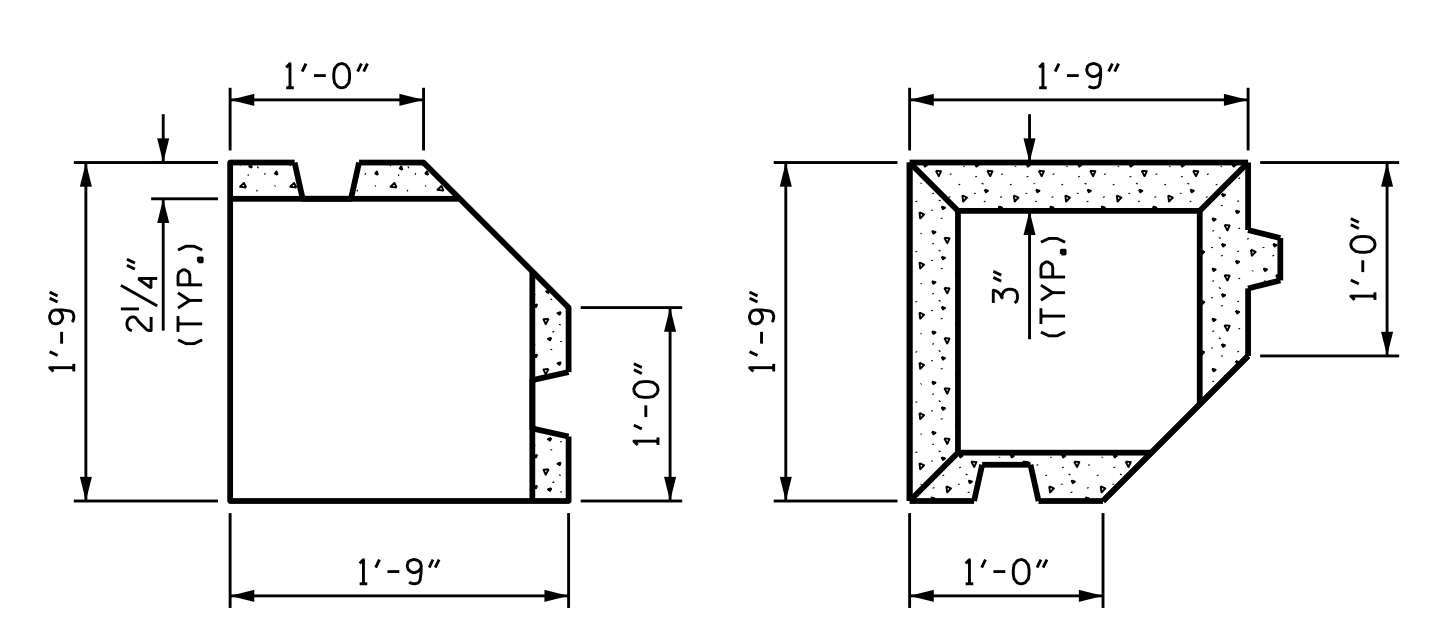
C1 CORNER PILES
(2 REQ'D)



SECTION B-B



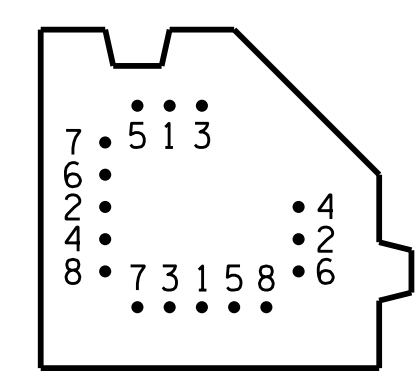
SECTION C-C



TOP VIEW BOTTOM VIEW

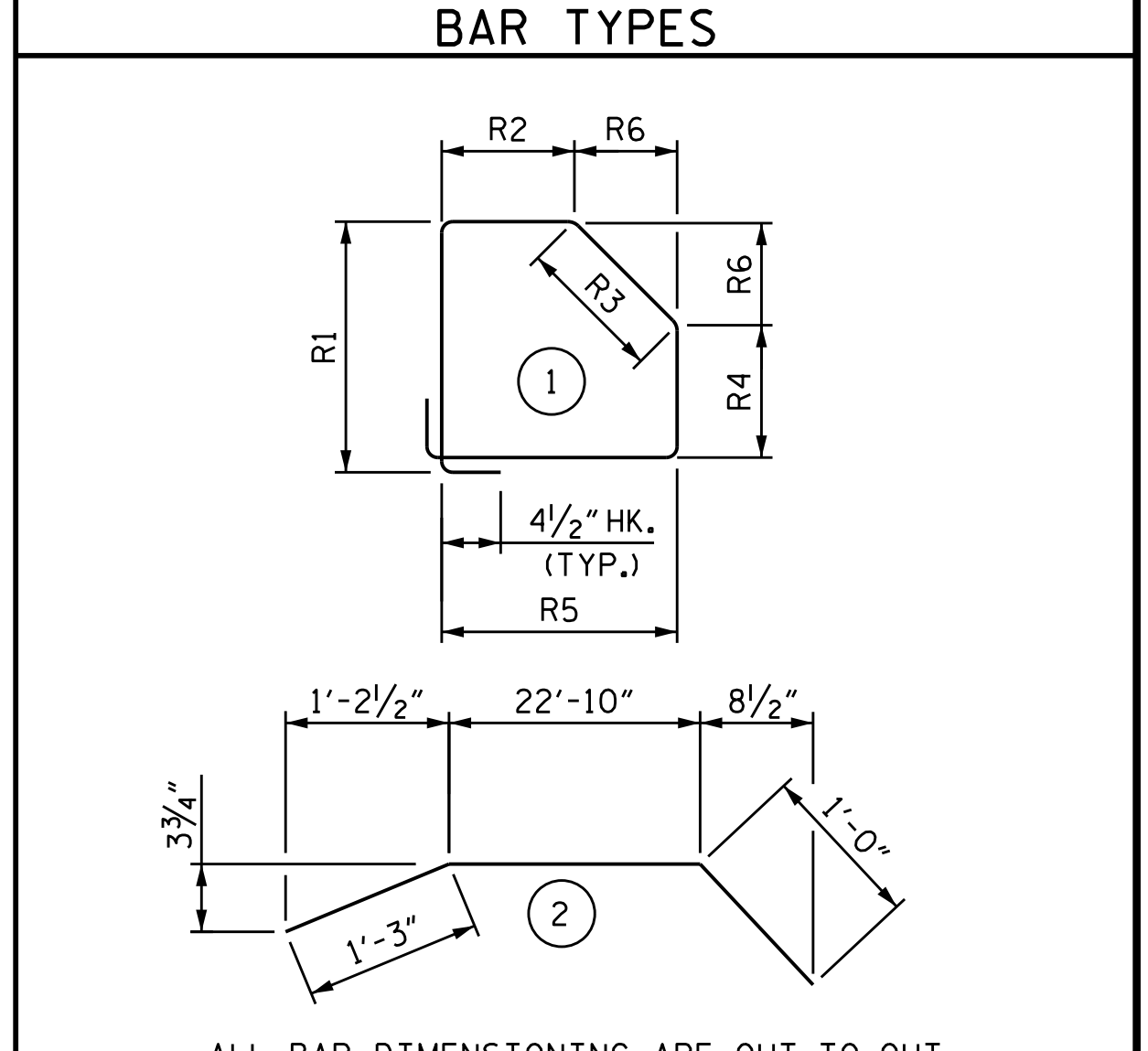
C2 CORNER PILES
(2 REQ'D)

0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950



PATTERN FOR BURNING

BILL OF MATERIAL ONE PILE					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S28	12	#4	1	5'-1"	41
S29	26	#4	1	5'-3"	91
S30	1	#4	1	4'-9"	3
S31	1	#4	1	4'-5"	3
S32	1	#4	1	4'-1"	3
V5	2	#5	2	25'-1"	52



ALL BAR DIMENSIONING ARE OUT-TO-OUT

CORNER PILE BAR TYPE 1 DIMENSIONS						
BAR	R1	R2	R3	R4	R5	R6
S28	1'-1 3/4"	8 3/4"	7"	8 3/4"	1'-1 3/4"	5"
S29	1'-1 3/4"	9"	8 1/2"	7 3/4"	1'-3"	6"
S30	1'-0 1/2"	7 1/2"	7 1/2"	7 1/4"	1'-0 3/4"	5 1/4"
S31	1'-0 1/4"	7 1/4"	5 1/4"	8 1/2"	11"	3 3/4"
S32	10 1/4"	7 3/4"	3 1/2"	7 3/4"	10 1/4"	2 1/2"

QUANTITIES FOR ONE PILE			
PILE	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
C1 (CORNER PILE)	193	3.3	16
C2 (CORNER PILE)	193	3.3	16

SEE CONCRETE SHEET PILE RETAINING WALL SHEET PILE DETAILS, SHEET 7 OF 11, FOR NOTES.



PROJECT NO. B-2500AB
DARE COUNTY
STATION: 3170+75.00 -L-
SHEET 11 OF 11

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
CONCRETE SHEET PILE RETAINING WALL SHEET PILE DETAILS					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

W-11
TOTAL SHEETS: 13

DRAWN BY: M.A. ALLEN DATE: 6/15
CHECKED BY: T.M. GARRISON, P.E. DATE: 6/15
DESIGN ENGINEER OF RECORD: T.M. GARRISON, P.E. DATE: 6/15