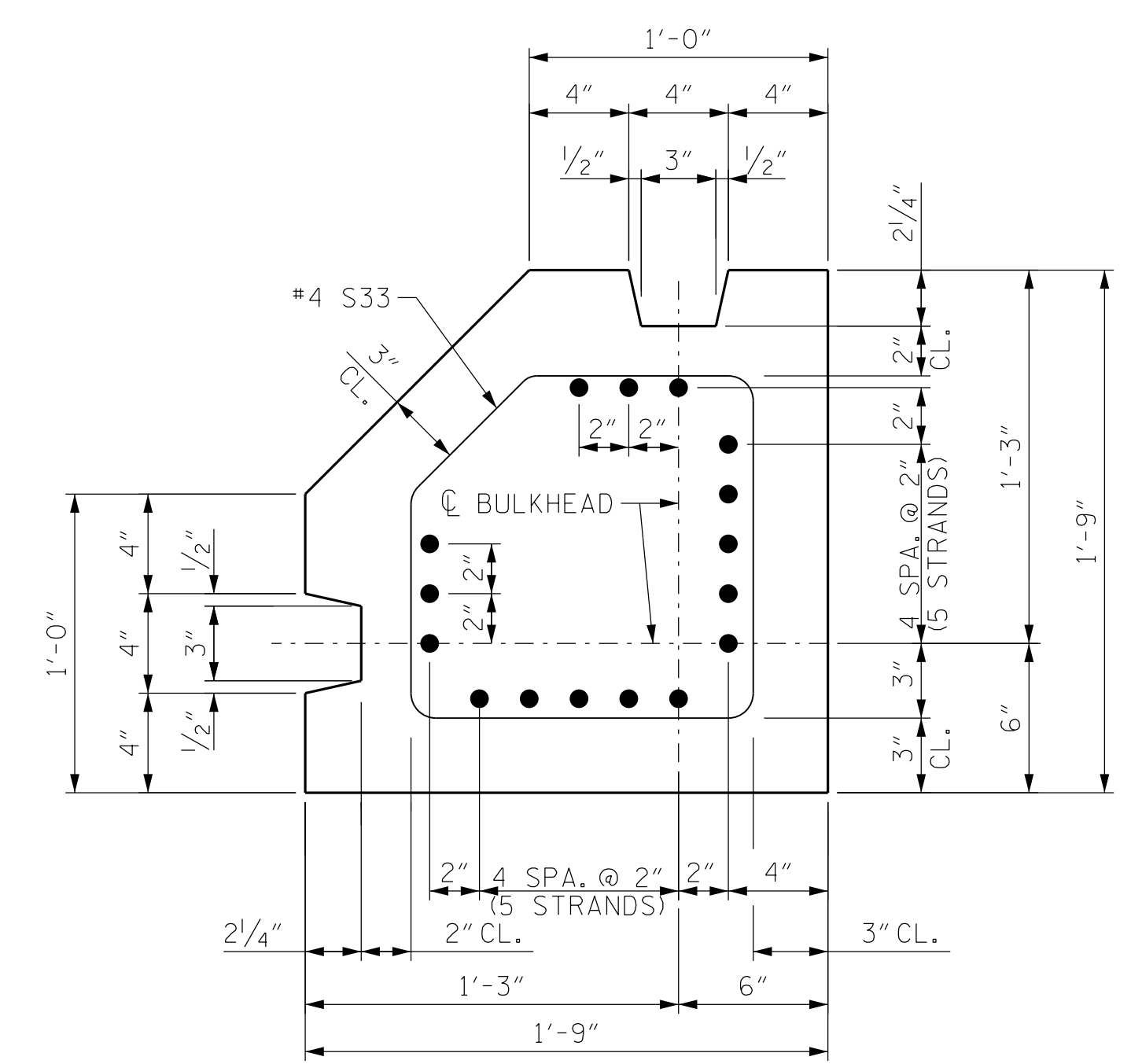
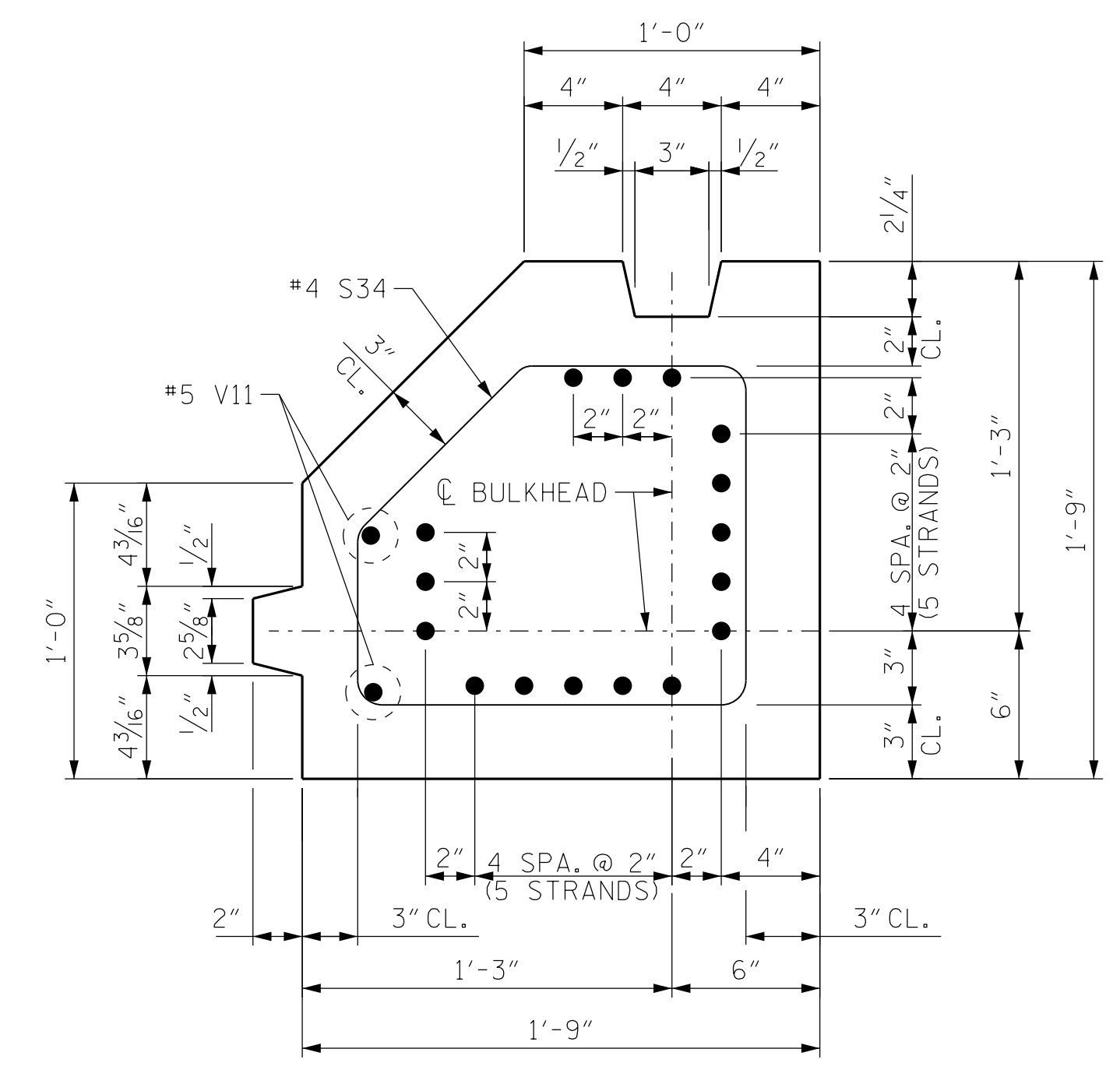


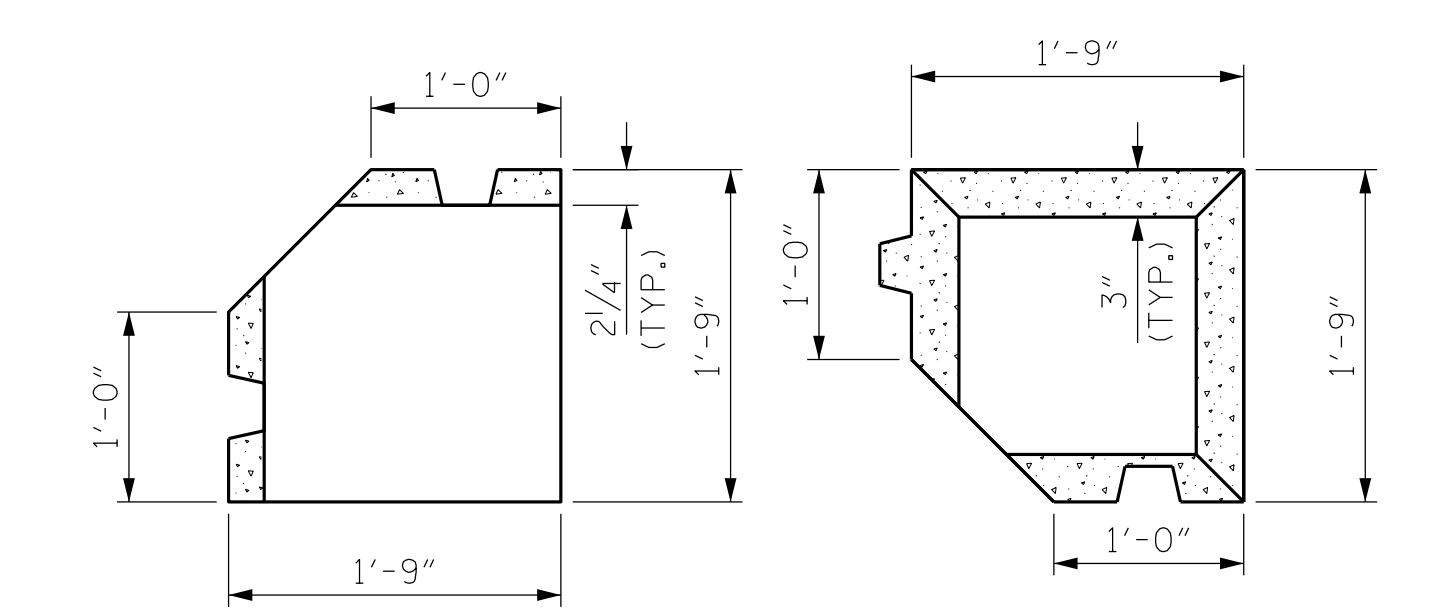
PILE TYPE C1
(CORNER PILE)



SECTION B-B



SECTION C-C

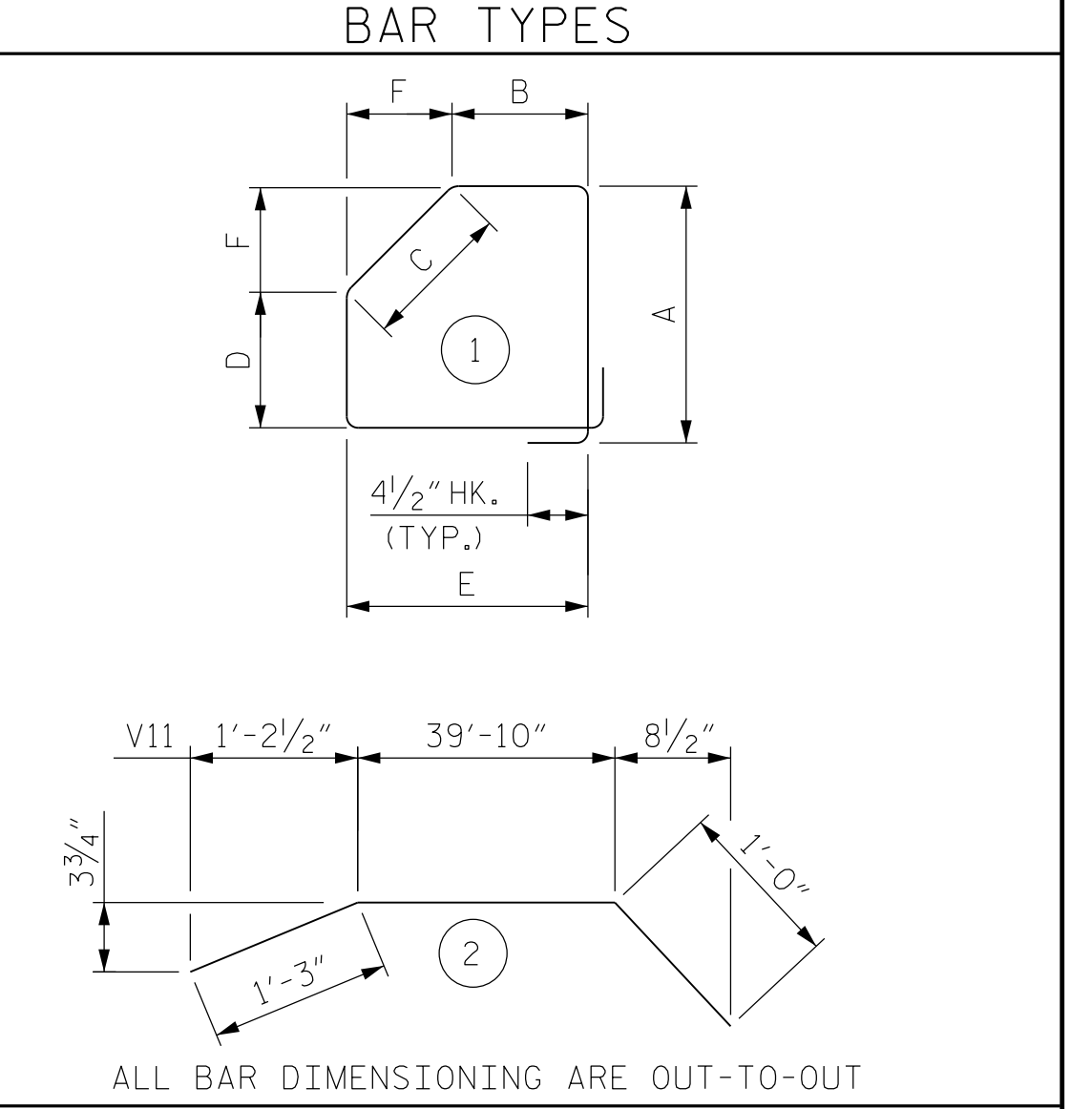


TOP VIEW BOTTOM VIEW

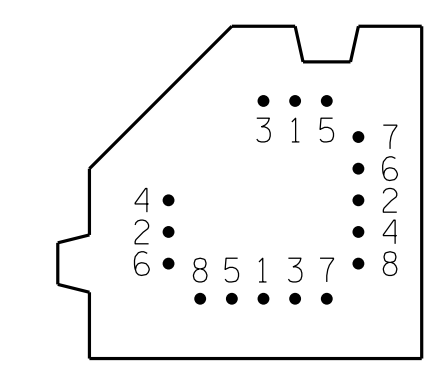
C1 & CORNER PILE
(1 REQ'D)

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

BILL OF MATERIAL					
C1 (CORNER PILE)					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S33	14	#4	1	5'-1"	48
S34	43	#4	1	5'-3"	151
S35	1	#4	1	4'-10"	4
S36	1	#4	1	4'-7"	4
S37	1	#4	1	4'-2"	3
V11	2	#5	2	42'-1"	88



CORNER PILE BAR TYPE 1 DIMENSIONS						
BAR	A	B	C	D	E	F
S33	1'-1 3/4"	8 3/4"	7"	8 3/4"	1'-1 3/4"	5"
S34	1'-1 3/4"	9"	8 1/2"	7 3/4"	1'-3"	6"
S35	1'-1"	7 3/4"	7 1/2"	7 3/4"	1'-1"	5 1/4"
S36	1'-0 1/4"	7 1/2"	6 1/2"	7 3/4"	1'-0"	4 1/2"
S37	11"	7"	5"	7 1/2"	10 1/2"	3 1/2"



PATTERN FOR BURNING

QUANTITIES FOR ONE PILE			
PILE	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
C1 (CORNER PILE)	298	5.2	16

SEE CONCRETE SHEET PILE
RETAINING WALL SHEET
PILE DETAILS, SHEET 6
OF 16, FOR NOTES.

PROJECT NO. B-4863
CARTERET COUNTY
STATION: 34+75.00 -L-
SHEET 15 OF 16



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
CONCRETE SHEET PILE
RETAINING WALL
SHEET PILE DETAILS

DRAWN BY: B. L. GREEN, P.E. DATE: 3/19
CHECKED BY: D. A. CANTRELL, P.E. DATE: 6/19
DESIGN ENGINEER OF RECORD: B. L. GREEN, P.E. DATE: 7/19

DocuSigned by:
Brandon Green
3/9/2020
DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	W-15
1			3			TOTAL SHEETS
2			4			24