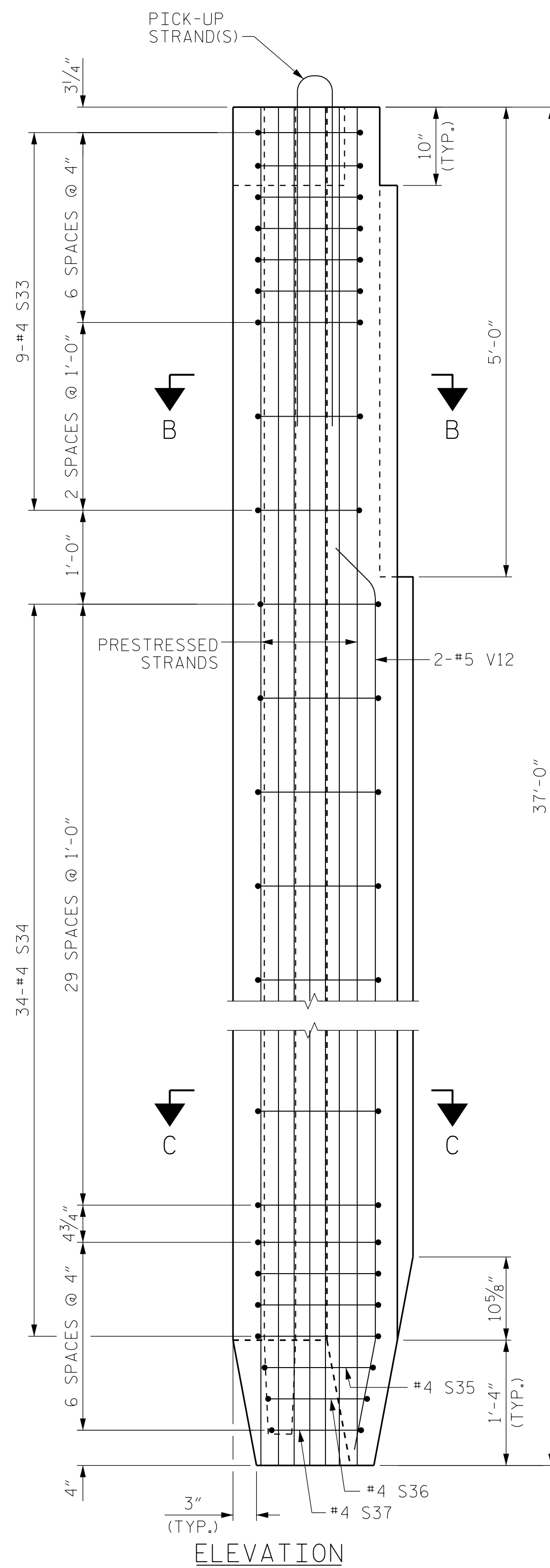
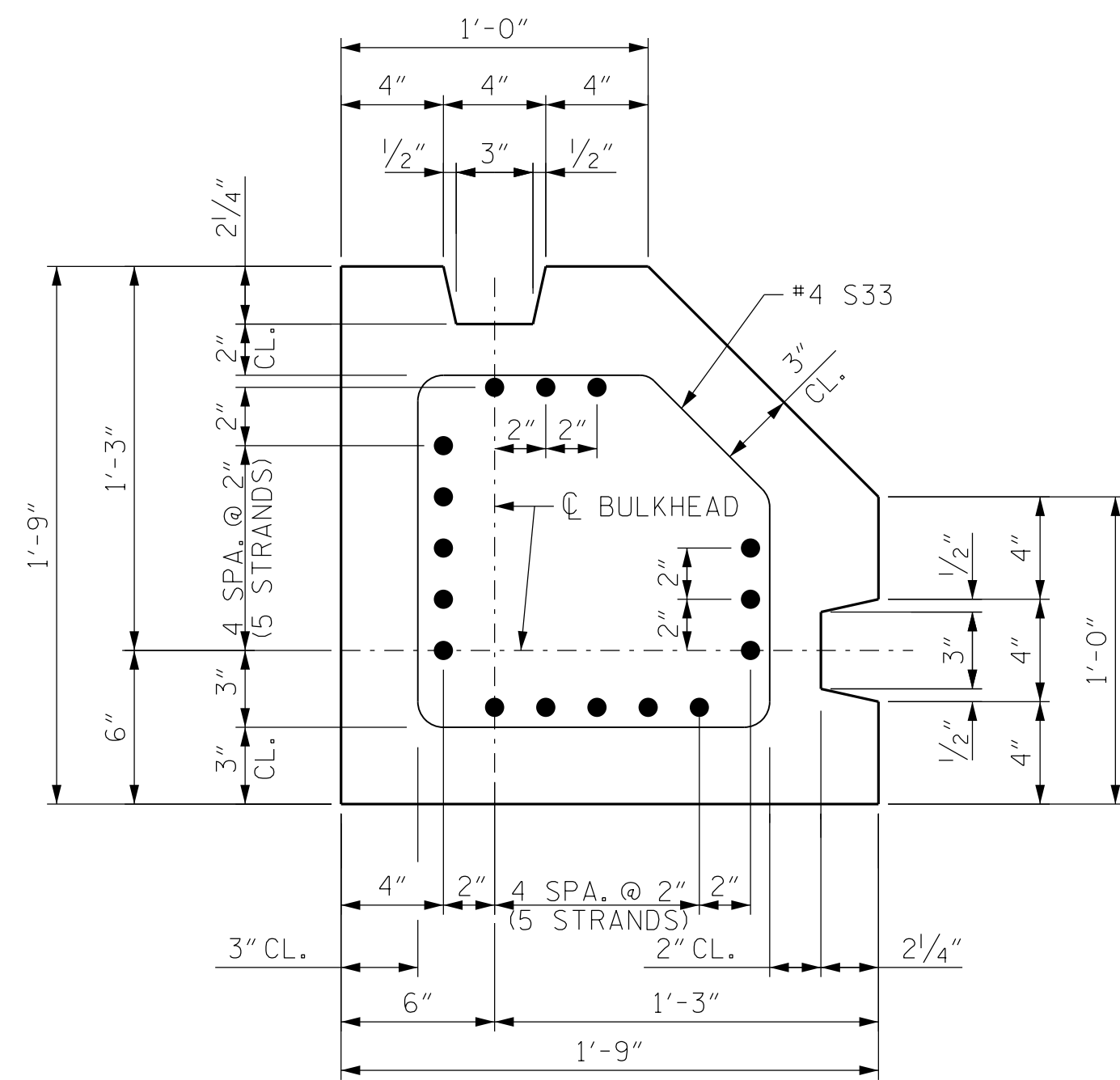


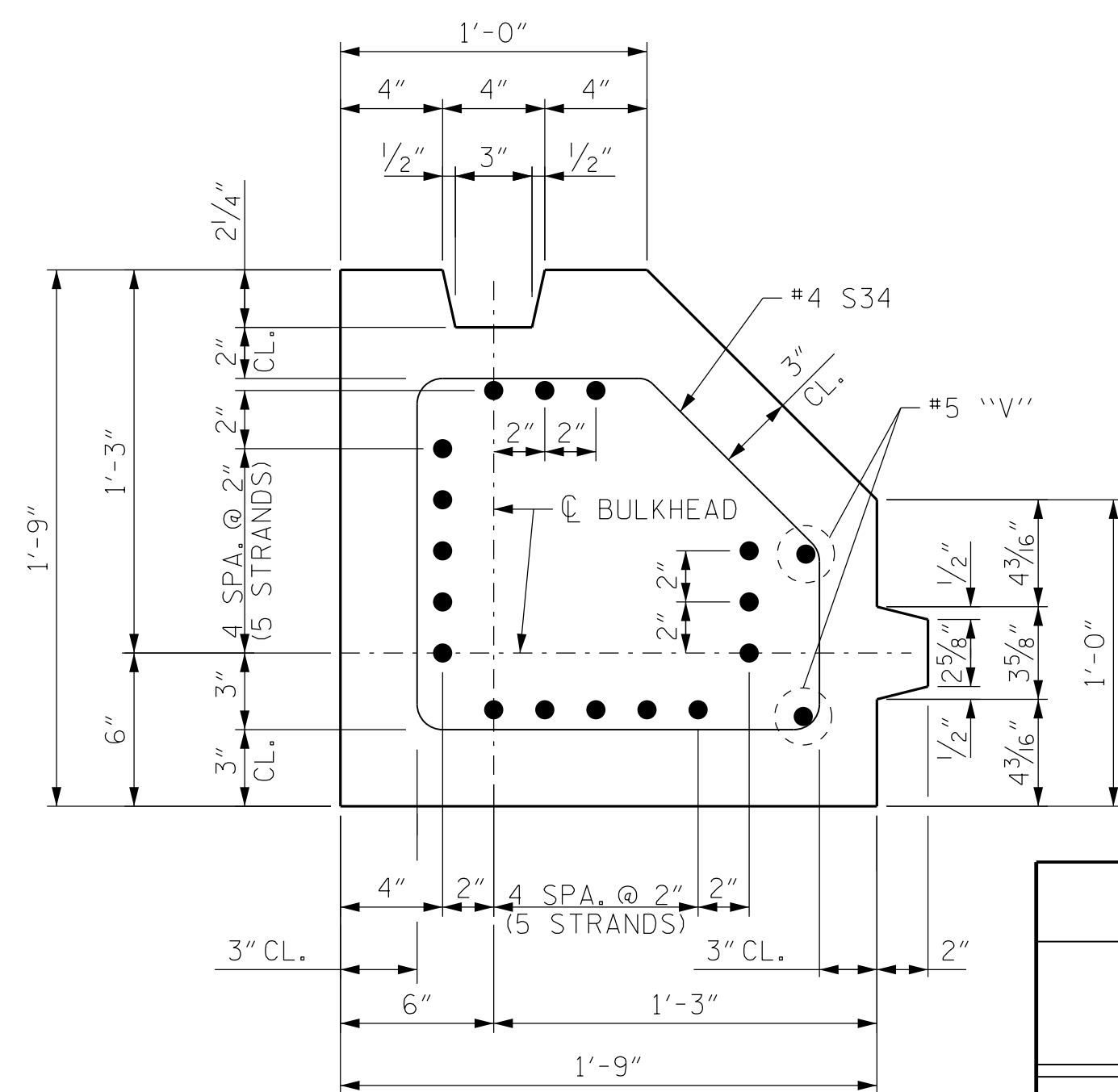
PILE TYPE C2
(CORNER PILE)



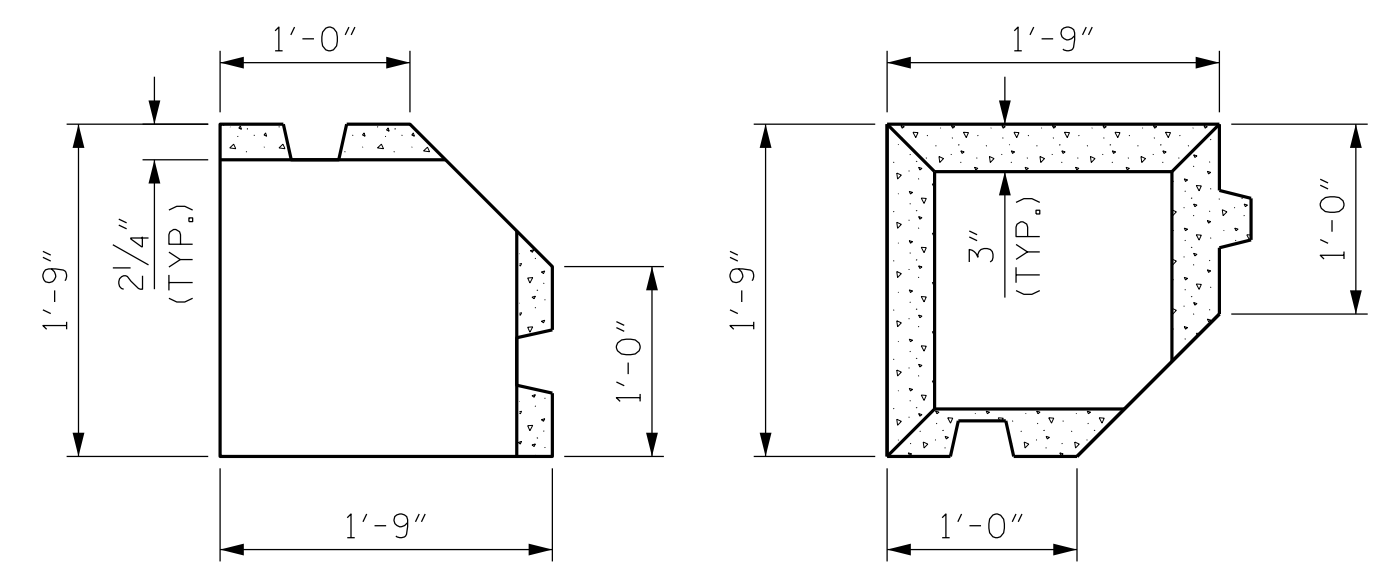
PILE TYPE C3
(CORNER PILE)



SECTION B-B



SECTION C-C

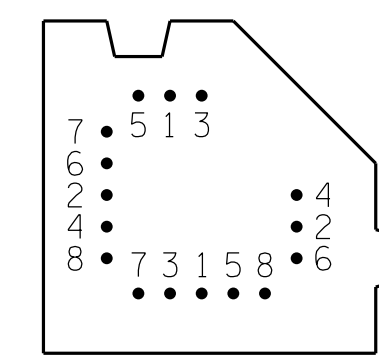


TOP VIEW

BOTTOM VIEW

C2 & C3 CORNER PILES
(1 REQ'D EA.)

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



PATTERN FOR BURNING

PILE	QUANTITIES FOR ONE PILE		
	REINFORCING STEEL LB.	8,000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
C2 (CORNER PILE)	298	5.2	16
C3 (CORNER PILE)	230	3.8	16

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



DocuSign by:
Brandon Green
3/9/2020

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

BILL OF MATERIAL

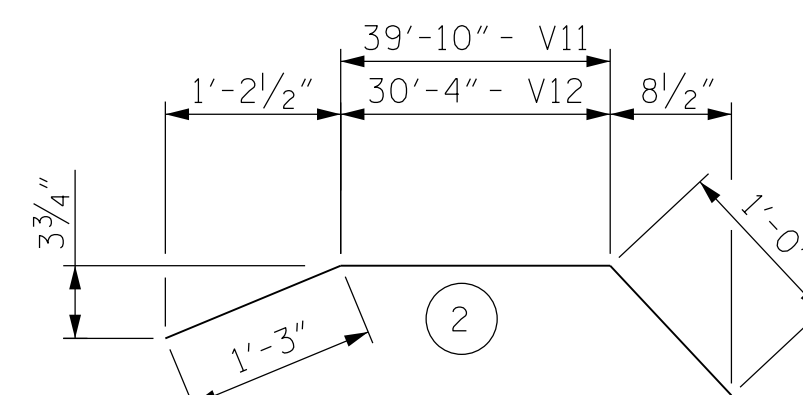
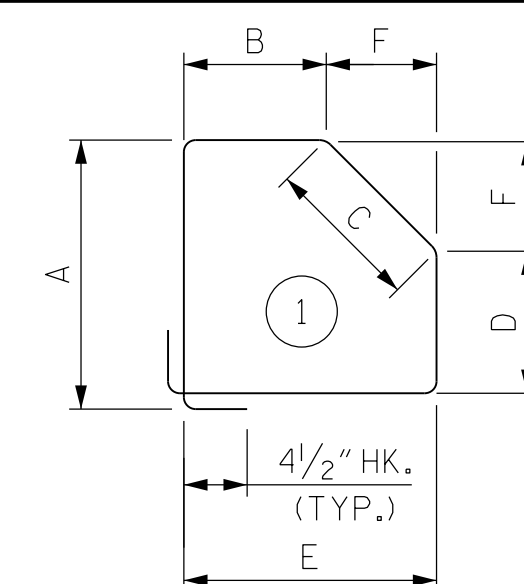
C2 (CORNER PILE)

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

C3 (CORNER PILE)

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S33	9	#4	1	5'-1"	31
S34	34	#4	1	5'-3"	120
S35	1	#4	1	4'-10"	4
S36	1	#4	1	4'-7"	4
S37	1	#4	1	4'-2"	3
V12	2	#5	2	32'-7"	68

BAR TYPES



ALL BAR DIMENSIONING ARE OUT-TO-OUT

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"

PROJECT NO. B-4863
CARTERET COUNTY
STATION: 34+75.00 -L-

SHEET 16 OF 16

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

CONCRETE SHEET PILE
RETAINING WALL
SHEET PILE DETAILS

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			W-16
2			4			TOTAL SHEETS 24

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