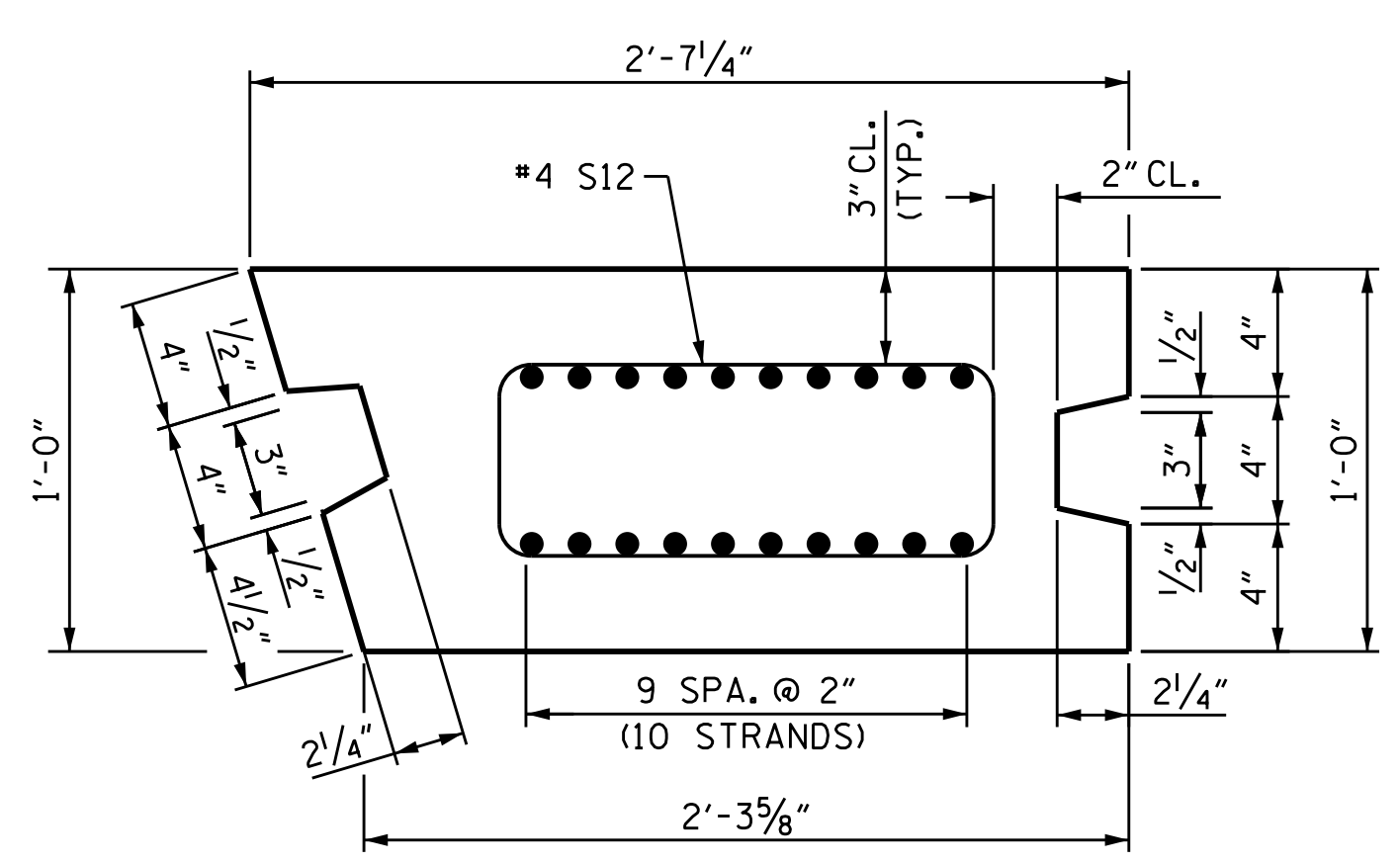
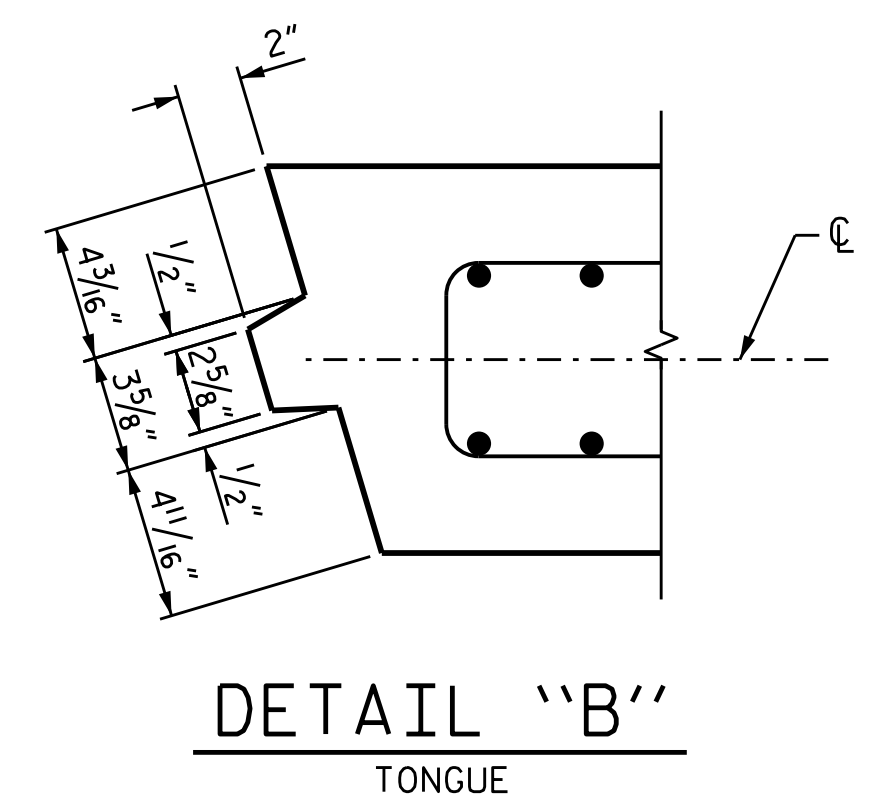


PILE TYPES A7 & A8 (SPECIAL PILES)

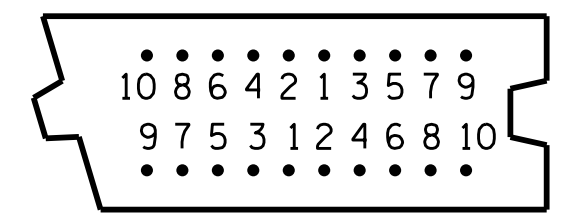


SECTION A-A
PILE DIMENSIONS AND GROOVES

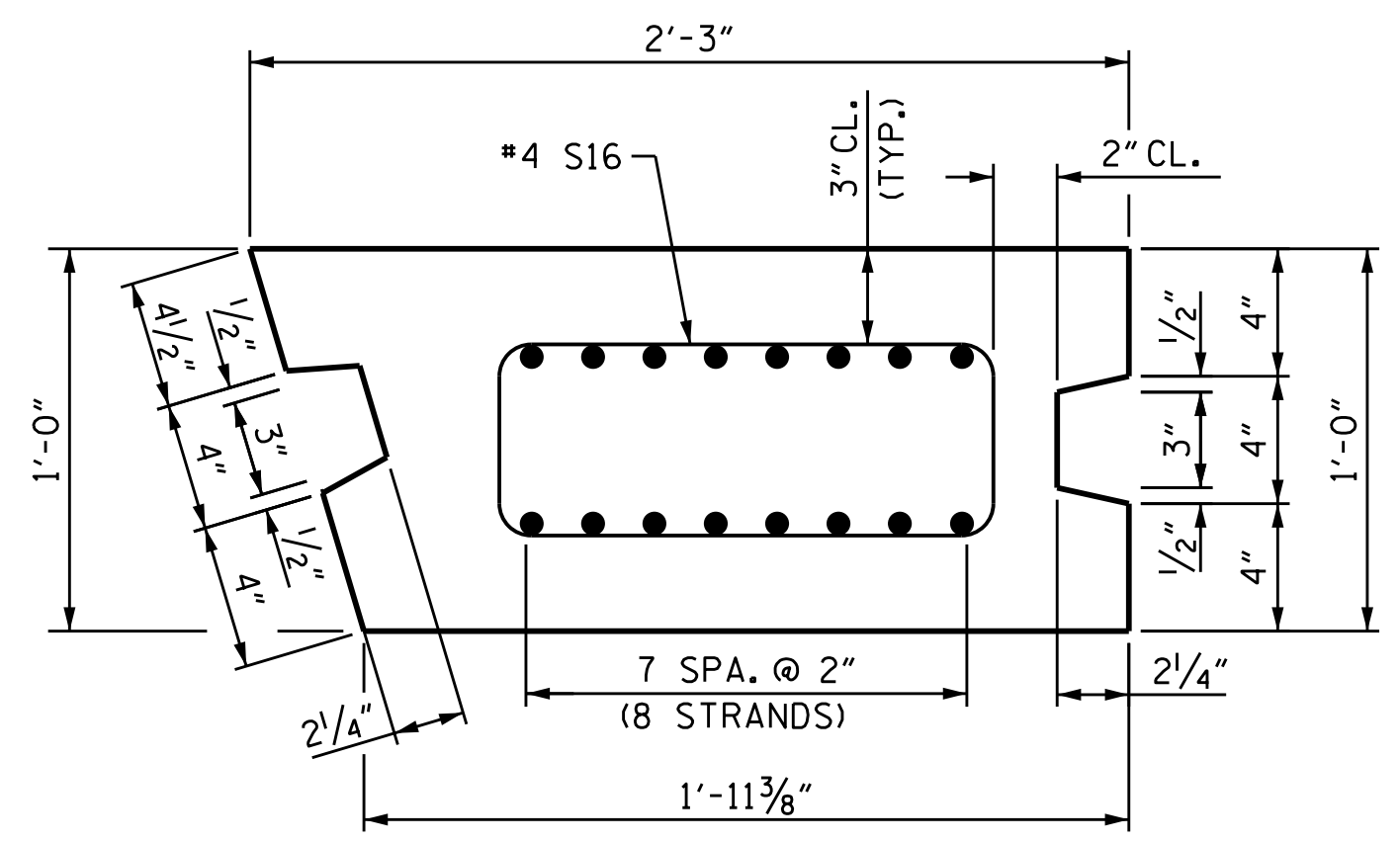


DETAIL "B"
TONGUE

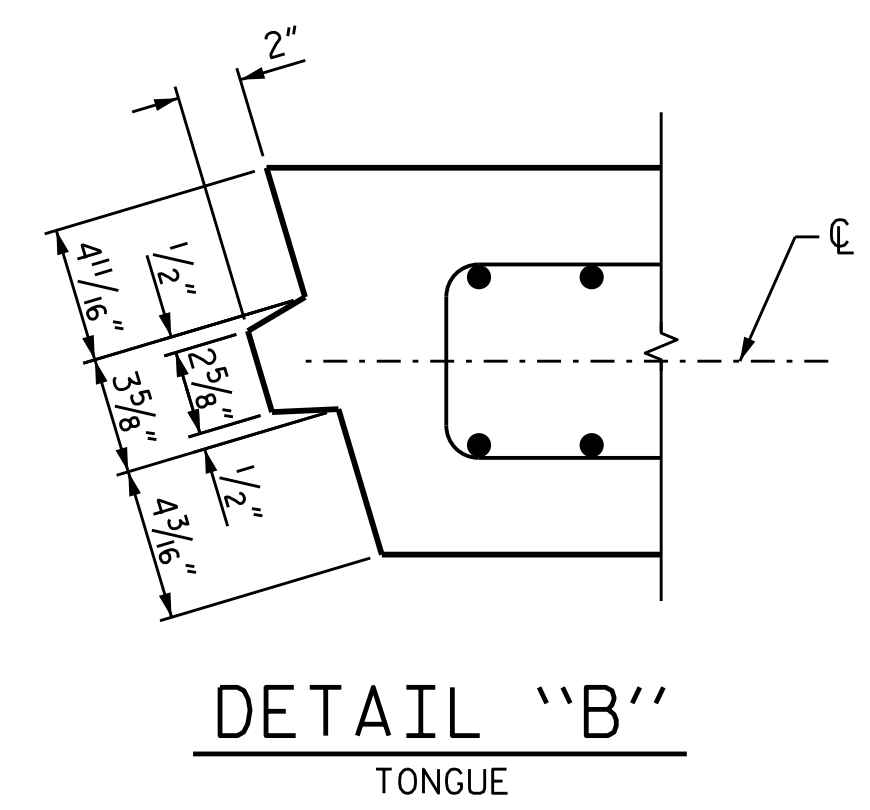
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950



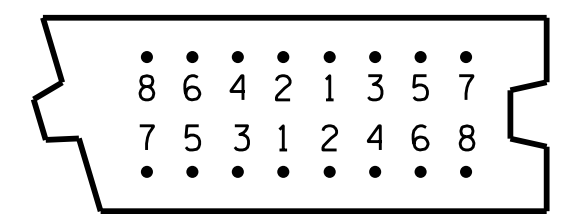
PATTERN FOR BURNING



SECTION A-A
PILE DIMENSIONS AND GROOVES



DETAIL "B"
TONGUE



PATTERN FOR BURNING

PILE TYPE A7 DETAILS

PILE TYPE A8 DETAILS

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

BILL OF MATERIAL					
A7 (SPECIAL PILE)					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S12	13	#4	1	5'-1"	44
S13	29	#4	1	5'-4"	103
S14	1	#4	1	4'-9"	3
S15	1	#4	1	4'-1"	3
V4	2	#5	2	25'-10"	54
A8 (SPECIAL PILE)					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S16	13	#4	1	4'-5"	38
S17	29	#4	1	4'-8"	90
S18	1	#4	1	4'-1"	3
S19	1	#4	1	3'-5"	2
V4	2	#5	2	25'-10"	54
BAR TYPES					
ALL BAR DIMENSIONING ARE OUT-TO-OUT					

QUANTITIES FOR ONE PILE			
PILE	REINFORCING STEEL	8,000 PSI CONCRETE	0.6" Ø L. R. STRANDS
	LB.	C.Y.	No.
A7 (SPECIAL PILE)	207	3.2	20
A8 (SPECIAL PILE)	187	2.7	16

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

SHEET 9 OF 11



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

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

DocuSigned by:
 61EAF7523945456
 8/3/2015

REVISIONS						SHEET NO. W-9
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 13
2			4			