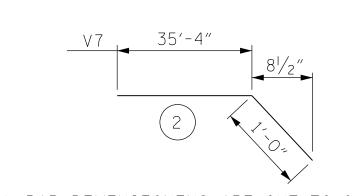


0.6" Ø L.R.GRADE 270 STRANDS ULTIMATE STRENGTH AREA PRESTRESS (SQUARE INCHES) (LBS. PER STRAND) (LBS. PER STRAND) 0.217 43,950 58,600

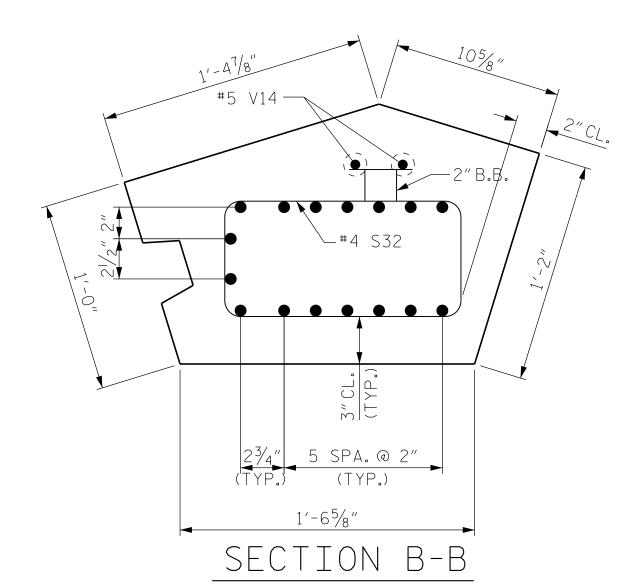
	BAR TYPES		
,, , , , , , , , , , , , , , , , , , ,			<u>L</u>
S29 <b>_</b>	1'-7 <sup>1</sup> /2"	41/2" HK.	_ ("d\_
<u>\$30</u>	1'-91/2"	41/2	
S31	1'-6"		
S32	1'-3"		
		'	

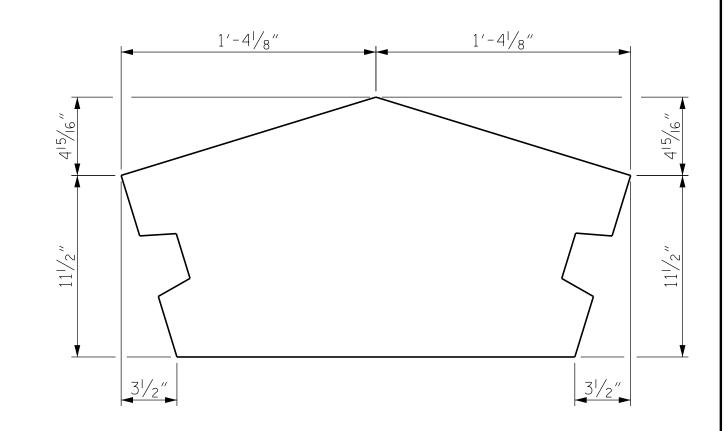


BILL OF MATERIAL



ALL BAR DIMENSIONING ARE OUT-TO-OUT





SECTION THRU PILE

REINFORCING NOT SHOWN

6 4 2 1 3 5 7

PATTERN FOR BURNING

QUANTITIES FOR ONE PILE REINFORCING 8,000 PSI 0.6"∅ L.R. PILE CONCRETE STEEL STRANDS C.Y. LB. No. A19 (SPECIAL PILE) 347 4.4 22

> B-4863 PROJECT NO.\_

> > CARTERET

COUNTY STATION: 34+75.00 -L-

SHEET 14 OF 16

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

RALEIGH

RETAINING WALL

NO. BY:

W - 14

TOTAL SHEETS

24

DATE:

SEAL 037403 AGINEER.

Brandon Green 3/9/2020			REVIS	1012	٧S
2C7028B6BB61448	NO.	BY:	D 4 T C	NO	
DOCUMENT NOT CONSIDERED	NO.	DT:	DATE:	NO.	Е
	ব			3	
FINAL UNLESS ALL	U			9	
STGNATURES COMPLETED	匆			4	
STONATONES COMILETED	ا ک			I ~~'	

THE SHEET PILE WIDTH DIMENSIONS ARE NOMINAL. THESE DIMENS	IONS	MAY
BE SHORTENED BY THE MANUFACTURER UP TO $1/2^{\prime\prime}$ TO ALLOW FOR S	HEET	PILE
FIT-UP IN ITS FINAL POSITION. NO CHANGES SHALL BE MADE TO	THE	
TONGUES OR GROOVES.		

THE WATER/CEMENT RATIO FOR PRESTRESSED CONCRETE SHEET PILES SHALL NOT EXCEED 0.40.

PRESTRESSED CONCRETE SHEET PILES SHALL CONTAIN CALCIUM NITRITE CORROSION INHIBITOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, EXCEPT THAT THE INHIBITOR SHALL BE APPLIED AT A RATE OF 4.0 GALLONS PER CUBIC YARD. NO SEPARATE PAYMENT WILL BE MADE FOR THE ADDITION OF CALCIUM NITRITE, AS IT IS CONSIDERED INCIDENTAL TO THE VARIOUS

PRESTRESSED CONCRETE SHEET PILES SHALL CONTAIN A MINIMUM OF 25% FLY ASH CLASS F OR A MINIMUM OF 40% GROUND GRANULATED BLAST FURNACE SLAG (GGBFS). ADDITIONALLY, SILICA FUME SHALL BE SUBSTITUTED FOR A MINIMUM 5% OF THE PORTLAND CEMENT BY WEIGHT IN THE PRESTRESSED CONCRETE SHEET \_\_\_DOCUSIGNED BY: PILES. MINERAL ADMIXTURES SHALL REPLACE THE CEMENT CONTENT AT A 1:1 RATIO BY WEIGHT. NO PAYMENT WILL BE MADE FOR THIS SUBSTITUTION, AS IT IS CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS.