

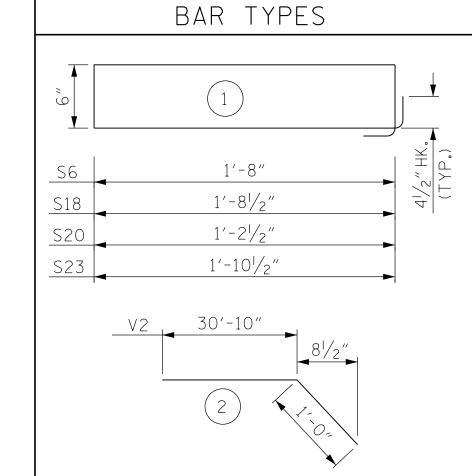
0.6" Ø L.R.GRADE 270 STRANDS AREA STRÊNGTH PRESTRESS (SQUARE INCHES) (LBS. PER STRAND) (LBS. PER STRAND) 58,600 0.217 43,950

• • • • • • • • • • • •

9 SPA @ 2"\_ (10 STRANDS)

2'-45/8"

SECTION A-A



ALL BAR DIMENSIONING ARE OUT-TO-OUT

	BILL OF MATERIAL					
	A16 (SPECIAL PILE)					
- ("d太上)	BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
	S6	9	#4	1	5'-1"	31
	S18	1	#4	1	5′-2″	4
	S20	1	#4	1	4'-2"	3
	S23	35	#4	1	5′-6″	129
)						
	٧2	2	#5	2	31′-10″	67



TONGUE GROOVE

> • • • • • • • • • 10864213579 9 7 5 3 1 2 4 6 810

## PATTERN FOR BURNING

## NOTES

THE SHEET PILE WIDTH DIMENSIONS ARE NOMINAL. THESE DIMENSIONS MAY BE SHORTENED BY THE MANUFACTURER UP TO  $1/2^{\prime\prime}$  TO ALLOW FOR SHEET 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 PAY ITEMS.

PRESTRESSED CONCRETE SHEET PILES SHALL CONTAIN A MINIMUM OF 25% FLY ASH CLASS F OR A MINIMUM OF 40% GROUND GRANULATED BLAST FURNACE SLAG IS CONSIDERED INCIDENTAL TO THE VARIOUS PAY ITEMS.

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

SHEET 11 OF 16

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

CONCRETE SHEET PILE RETAINING WALL

W - 11

TOTAL SHEETS

24

DATE:

3/9/2020 REVISIONS DATE: NO. BY: DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL 037403

(GGBFS). ADDITIONALLY, SILICA FUME SHALL BE SUBSTITUTED FOR A MINIMUM 5% OF THE PORTLAND CEMENT BY WEIGHT IN THE PRESTRESSED CONCRETE SHEET 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

2070228868B861448 Brandon Green

B. L. GREEN, P.E.

DRAWN BY : \_\_\_\_\_