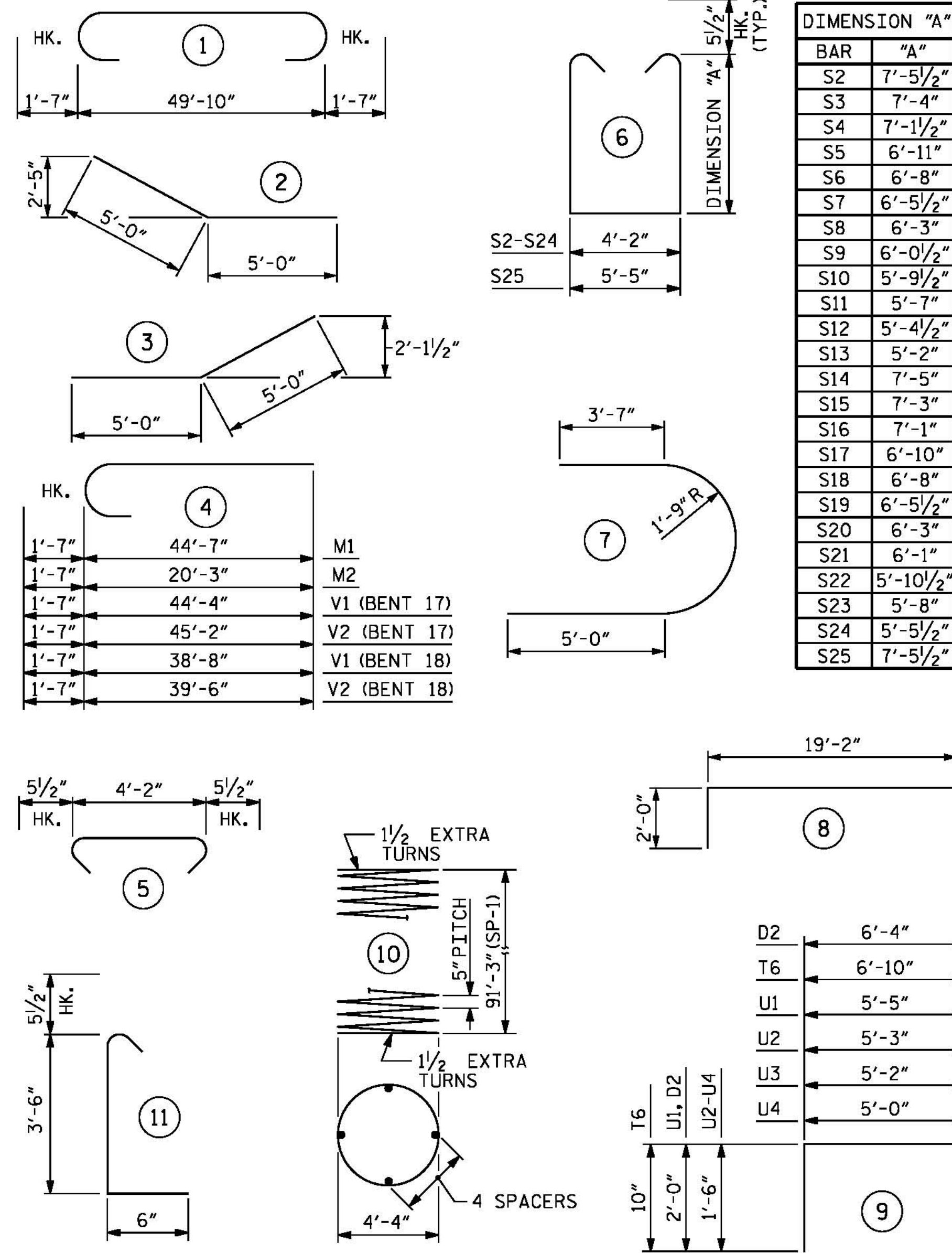


NOTES

FOR NOTES, SEE SHEET 1 OF 5.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN DEFORMED BAR.

BILL OF MATERIAL

BENT 18

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#11	1	53'-0"	2816	T1	93	#9	STR	54'-4"	17180
B2	10	#11	STR	49'-10"	2648	T2	134	#9	STR	24'-4"	11086
B3	10	#10	STR	40'-4"	1736	T3	83	#6	STR	24'-4"	3034
B4	6	#10	STR	42'-0"	1084	T4	20	#6	STR	54'-4"	1632
B5	10	#10	2	10'-0"	430	T5	138	#5	STR	7'-2"	1032
B6	10	#10	3	10'-0"	430	T6	316	#5	9	8'-6"	2801
B7	14	#7	STR	49'-10"	1426						
B8	2	#7	STR	47'-4"	193	U1	50	#4	9	9'-5"	315
B9	2	#7	STR	44'-8"	183	U2	10	#4	9	8'-3"	55
B10	40	#4	STR	6'-3"	167	U3	6	#4	9	8'-2"	33
B11	10	#4	STR	5'-2"	35	U4	6	#4	9	8'-0"	32
B12	24	#4	STR	5'-5"	87						
						V1	36	#11	4	40'-3"	7699
D1	26	#6	STR	39'-4"	1536	V2	36	#11	4	41'-1"	7858
D2	48	#5	9	10'-4"	517	V3	72	#11	8	21'-2"	8097
M1	144	#11	4	46'-2"	35321						
M2	144	#11	4	21'-10"	16704						
M3	432	#11	STR	50'-0"	114761						
M4	144	#11	STR	25'-8"	19637						
S1	118	#5	5	5'-1"	626						
S2	74	#5	6	20'-0"	1544						
S3	2	#5	6	19'-9"	41						
S4	2	#5	6	19'-4"	40						
S5	2	#5	6	18'-11"	39						
S6	2	#5	6	18'-5"	38						
S7	2	#5	6	18'-0"	38						
S8	2	#5	6	17'-7"	37						
S9	2	#5	6	17'-2"	36						
S10	2	#5	6	16'-8"	35						
S11	2	#5	6	16'-3"	34						
S12	2	#5	6	15'-10"	33						
S13	2	#5	6	15'-5"	32						
S14	2	#5	6	19'-11"	42						
S15	2	#5	6	19'-7"	41						
S16	2	#5	6	19'-3"	40						
S17	2	#5	6	18'-9"	39						
S18	2	#5	6	18'-5"	38						
S19	2	#5	6	18'-0"	38						
S20	2	#5	6	17'-7"	37						
S21	2	#5	6	17'-3"	36						
S22	2	#5	6	16'-10"	35						
S23	2	#5	6	16'-5"	34						
S24	2	#5	6	16'-0"	33						
S25	26	#5	6	21'-3"	576						
S26	288	#5	7	14'-1"	4230						
S27	576	#5	11	4'-6"	2703						
EPOXY COATED REINFORCING STEEL LBS. 271,060											
EPOXY COATED SPIRAL COLUMN REINFORCING STEEL LBS. 24,924											
CLASS "AA" CONCRETE BREAKDOWN											
POUR #2 - FOOTING C.Y. 412.4											
POUR #3 - STRUT C.Y. 61.5											
POUR #4 - COLUMNS C.Y. 73.2											
POUR #5 - CAP C.Y. 87.6											
CLASS "AA" CONCRETE C.Y. 634.7											
5'-0" Ø DRILLED PIERS QUANTITIES:											
DRILLED PIER LIN. FT. 733.9											
POUR 1 - DRILLED PIER C.Y. 533.8											
PERMANENT STEEL CASING FOR 5'-0" Ø DRILLED PIERS LIN. FT. 253.9											
CSL TUBES LIN. FT. 3,730											

PROJECT NO. B-4929

PENDER COUNTY

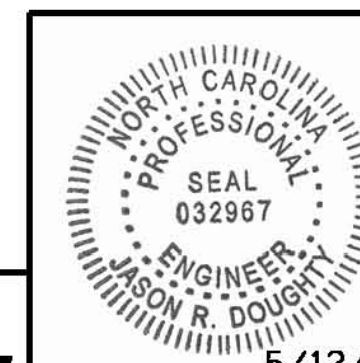
STATION: 38+13.81 -L2-

SHEET 5 OF 5 STEEL ALTERNATE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

BENTS 17 AND 18
BILL OF MATERIALS



DocuSigned by:
Jason R Doughty
00F1C86448274F7...

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.
S-273
TOTAL SHEETS
278

5/12/2016 401_123_B4929_SMJ_IB17_5s.dgn

DESIGNED BY: E. ULLMER DATE: APR 2016
DRAWN BY: M. HOBBS DATE: APR 2016
CHECKED BY: B. LOFLIN DATE: APR 2016
DESIGN ENGINEER OF RECORD: J. DOUGHTY DATE: MAY 2016