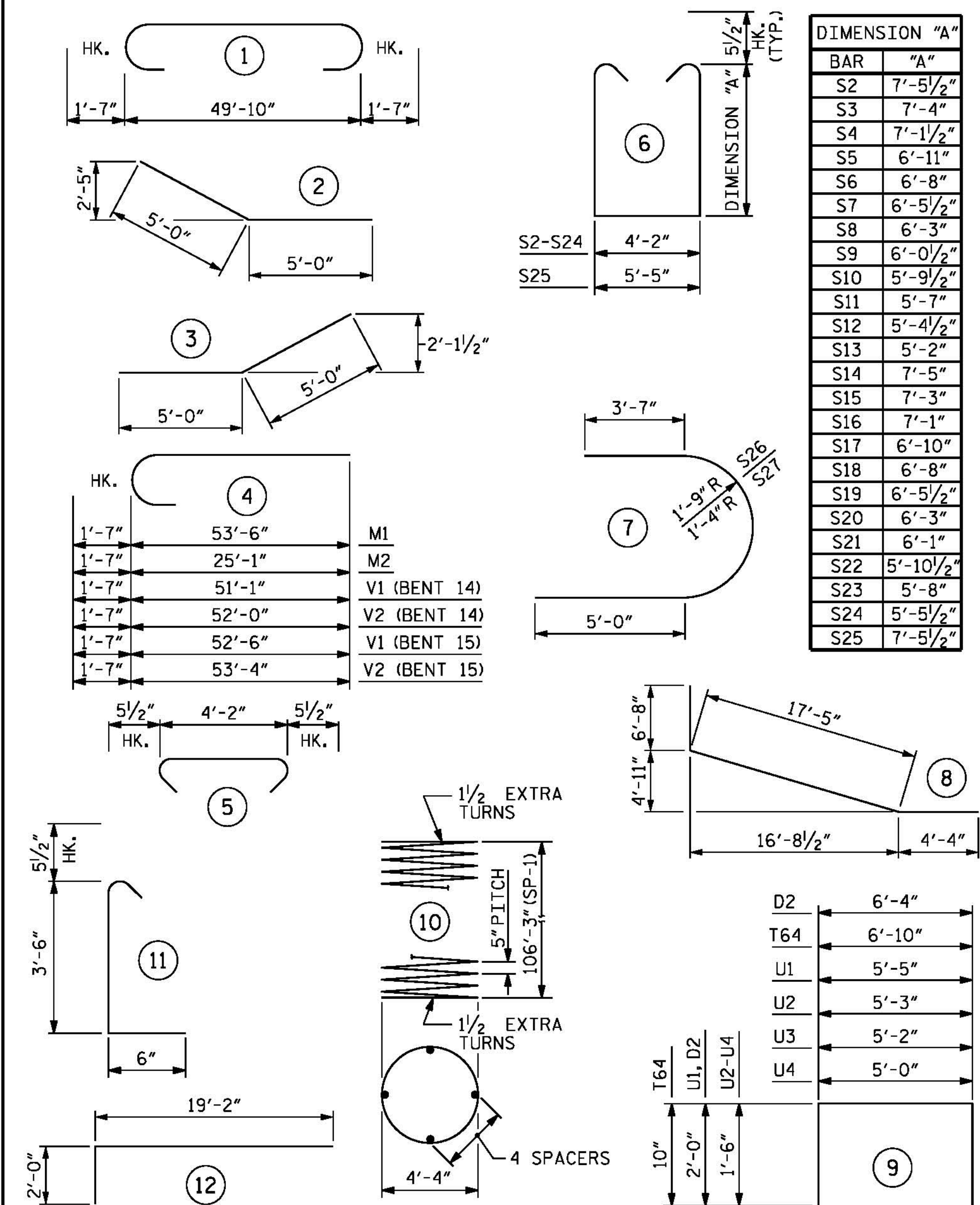


BAR TYPES



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 15

BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT	BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
B1	11	11	1	53'-0"	3097	T1	57	9	STR	50'-3"	9738	T51	2	6	STR	15'-0"	45
B2	11	11	STR	49'-10"	2912	T2	38	9	STR	30'-7"	3951	T52	2	6	STR	15'-5"	46
B3	10	10	STR	40'-4"	1736	T3	38	9	STR	28'-0"	3618	T53	2	6	STR	15'-9"	47
B4	6	10	STR	42'-0"	1084	T4	6	9	STR	39'-6"	806	T54	2	6	STR	16'-2"	49
B5	10	10	2	10'-0"	430	T5	6	9	STR	44'-0"	898	T55	2	6	STR	16'-7"	50
B6	10	10	3	10'-0"	430	T6	6	9	STR	48'-7"	991	T56	2	6	STR	17'-0"	51
B7	14	7	STR	49'-10"	1426	T7	6	9	STR	53'-1"	1083	T57	2	6	STR	17'-4"	52
B8	2	7	STR	47'-4"	193	T8	6	9	STR	57'-8"	1176	T58	2	6	STR	17'-9"	53
B9	2	7	STR	44'-8"	183	T9	116	9	STR	18'-10"	7428	T59	2	6	STR	18'-2"	55
B10	44	4	STR	6'-3"	184	T10	4	9	STR	9'-1"	124	T60	2	6	STR	18'-6"	56
B11	11	4	STR	5'-2"	38	T11	4	9	STR	9'-6"	129	T61	20	6	STR	38'-6"	1157
B12	24	4	STR	5'-5"	87	T12	4	9	STR	9'-11"	135	T62	44	6	8	28'-5"	1878
						T13	4	9	STR	10'-3"	139	T63	138	5	STR	7'-2"	1032
D1	26	6	STR	39'-4"	1536	T14	4	9	STR	10'-8"	145	T64	320	5	9	8'-6"	2837
D2	48	5	9	10'-4"	517	T15	4	9	STR	11'-1"	151						
						T16	4	9	STR	11'-6"	156	U1	50	4	9	9'-5"	315
M1	240	11	4	55'-1"	70238	T17	4	9	STR	11'-10"	161	U2	10	4	9	8'-3"	55
M2	240	11	4	26'-8"	34003	T18	4	9	STR	12'-3"	167	U3	6	4	9	8'-2"	33
M3	720	11	STR	55'-0"	210395	T19	4	9	STR	12'-8"	172	U4	6	4	9	8'-0"	32
M4	240	11	STR	28'-7"	36447	T20	4	9	STR	13'-0"	177						
						T21	4	9	STR	13'-5"	182	V1	36	11	4	54'-1"	10344
S1	118	5	5	5'-1"	626	T22	4	9	STR	13'-10"	188	V2	36	11	4	54'-11"	10504
S2	74	5	6	20'-0"	1544	T23	4	9	STR	14'-3"	194	V3	64	11	STR	23'-0"	7821
S3	2	5	6	19'-9"	41	T24	4	9	STR	14'-7"	198	V4	136	11	12	21'-2"	15294
S4	2	5	6	19'-4"	40	T25	4	9	STR	15'-0"	204						
S5	2	5	6	18'-11"	39	T26	4	9	STR	15'-5"	210						
S6	2	5	6	18'-5"	38	T27	4	9	STR	15'-9"	214						
S7	2	5	6	18'-0"	38	T28	4	9	STR	16'-2"	220						
S8	2	5	6	17'-7"	37	T29	4	9	STR	16'-7"	226						
S9	2	5	6	17'-2"	36	T30	4	9	STR	17'-0"	231						
S10	2	5	6	16'-8"	35	T31	4	9	STR	17'-4"	236						
S11	2	5	6	16'-3"	34	T32	4	9	STR	17'-9"	241						
S12	2	5	6	15'-10"	33	T33	4	9	STR	18'-2"	247						
S13	2	5	6	15'-5"	32	T34	4	9	STR	18'-6"	252						
S14	2	5	6	19'-11"	42	T35	58	6	STR	18'-10"	1641						
S15	2	5	6	19'-7"	41	T36	2	6	STR	9'-1"	27						
S16	2	5	6	19'-3"	40	T37	2	6	STR	9'-6"	29						
S17	2	5	6	18'-9"	39	T38	2	6	STR	9'-11"	30						
S18	2	5	6	18'-5"	38	T39	2	6	STR	10'-3"	31						
S19	2	5	6	18'-0"	38	T40	2	6	STR	10'-8"	32						
S20	2	5	6	17'-7"	37	T41	2	6	STR	11'-1"	33						
S21	2	5	6	17'-3"	36	T42	2	6	STR	11'-6"	35						
S22	2	5	6	16'-10"	35	T43	2	6	STR	11'-10"	36						
S23	2	5	6	16'-5"	34	T44	2	6	STR	12'-3"	37						
S24	2	5	6	16'-0"	33	T45	2	6	STR	12'-8"	38						
S25	26	5	6	21'-3"	576	T46	2	6	STR	13'-0"	39						
S26	400	5	7	14'-1"	5876	T47	2	6	STR	13'-5"	40						
S27	184	5	7	12'-10"	2463	T48	2	6	STR	13'-10"	42						
S28	800	5	11	4'-6"	3755	T49	2	6	STR	14'-3"	43						
						T50	2	6	STR	14'-7"	44						

EPOXY COATED REINFORCING STEEL LBS. 468,963

SP-1 10 * 10 3471'-6" 36,208

EPOXY COATED SPIRAL COLUMN REINFORCING STEEL LBS. 36,208

CLASS "AA" CONCRETE BREAKDOWN
 POUR #2 - FOOTING C.Y. 373.2
 POUR #3 - STRUT C.Y. 61.5
 POUR #4 - COLUMNS C.Y. 107.0
 POUR #5 - CAP C.Y. 87.6

CLASS "AA" CONCRETE C.Y. 629.3

5'-0" Ø DRILLED PIERS QUANTITIES:
 DRILLED PIER LIN. FT. 1,067.4
 POUR 1 - DRILLED PIER C.Y. 776.3
 PERMANENT STEEL CASING FOR 5'-0" Ø DRILLED PIERS LIN. FT. 427.4
 CSL TUBES LIN. FT. 5,412

NOTES

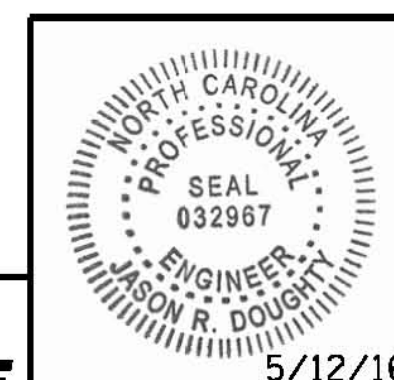
FOR NOTES, SEE SHEET 1 OF 5.

PROJECT NO. B-4929

PENDER COUNTY

STATION: 38+13.81 -L2-

SHEET 5 OF 5 STEEL ALTERNATE



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

DocuSigned by:
 Jason R Doughty
 00F1C96448274F7...

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENTS 14 AND 15
 BILL OF MATERIALS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 278
2			4			

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

5/12/2016
 401.113_B4929_SMU_IB14_5s.dgn