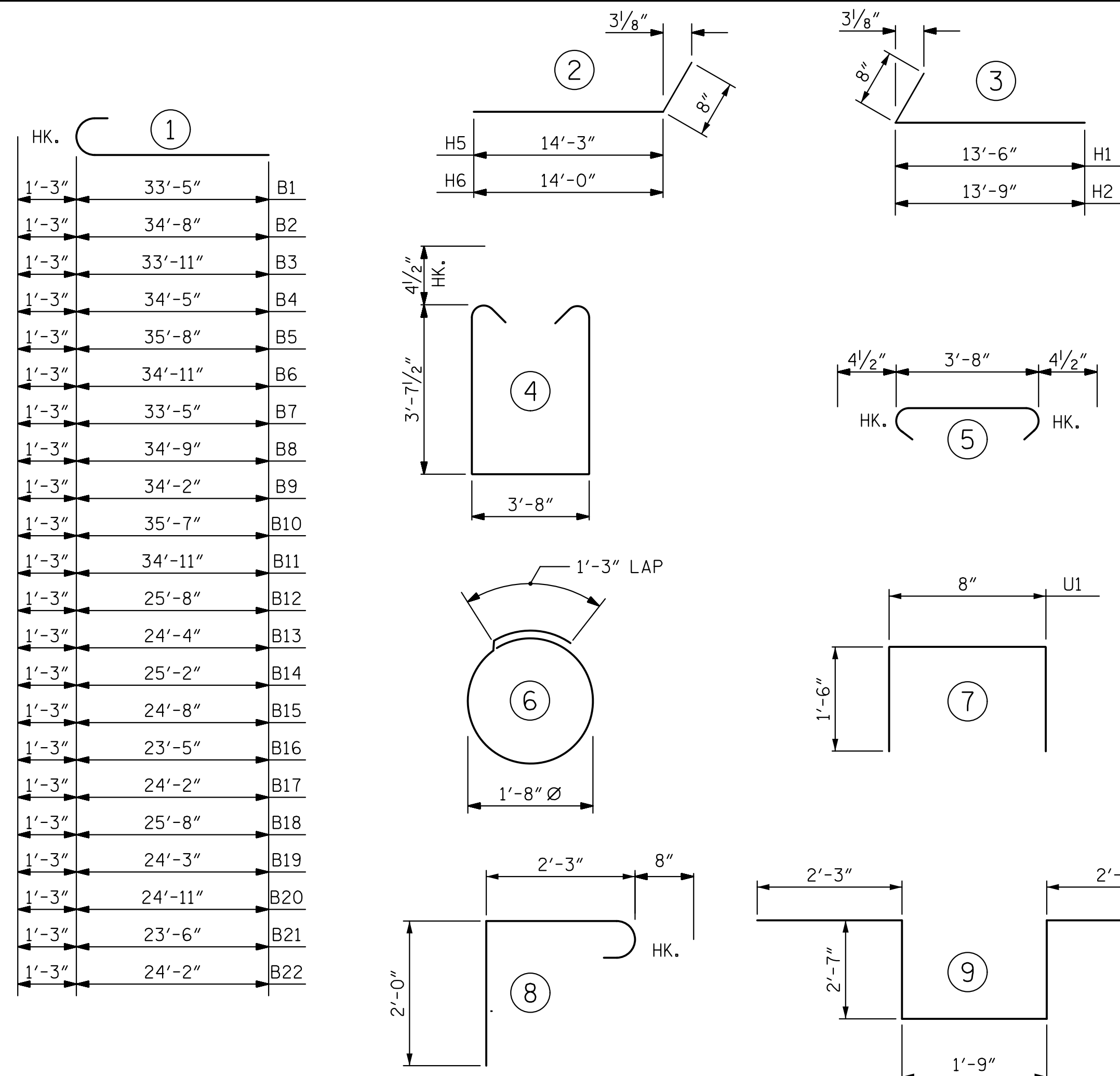


BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

(STAGE 1)		(STAGE 2)	
PREDRILLING FOR PILES	HP 12 X 53 STEEL PILES	PREDRILLING FOR PILES	HP 12 X 53 STEEL PILES
NO: 7	LIN. FT.= 122	NO: 6	LIN. FT.= 112
		NO: 6	LIN. FT.= 252

BILL OF MATERIAL

STAGE 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	1	#9	1	34'-8"	118
B2	1	#9	1	35'-11"	122
B3	1	#9	1	35'-2"	120
B4	1	#9	1	35'-8"	121
B5	1	#9	1	36'-11"	126
B6	1	#9	1	36'-2"	123
B7	1	#9	1	34'-8"	118
B8	1	#9	1	36'-0"	122
B9	1	#9	1	35'-5"	120
B10	1	#9	1	36'-10"	125
B11	1	#9	1	36'-2"	123
B23	28	#4	STR	19'-6"	365
B24	8	#4	STR	3'-8"	20
H1	7	#4	3	14'-2"	66
H2	7	#4	3	14'-5"	67
H3	4	#4	STR	15'-9"	42
H4	4	#4	STR	16'-0"	43
K1	4	#4	STR	4'-0"	11
K3	20	#4	STR	19'-6"	261
S1	44	#4	4	11'-8"	343
S2	44	#4	5	4'-5"	130
S3	24	#4	6	6'-6"	104
S4	3	#6	8	4'-11"	22
S5	3	#6	9	11'-5"	51
U1	28	#4	7	3'-8"	69
V1	28	#5	STR	8'-3"	241
V2	36	#5	STR	10'-5"	391

REINFORCING STEEL (STAGE 1) 3,564 LBS.

CLASS A CONCRETE BREAKDOWN (STAGE 1)	
POUR #1 CAP, LOWER PART OF WINGS & COLLARS	23.8 C.Y.
POUR #2 BACKWALL AND UPPER PART OF WINGS	8.9 C.Y.
TOTAL CLASS A CONCRETE	32.7 C.Y.

BILL OF MATERIAL

STAGE 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B12	1	#9	1	26'-11"	92
B13	1	#9	1	25'-7"	87
B14	1	#9	1	26'-5"	90
B15	1	#9	1	25'-11"	88
B16	1	#9	1	24'-8"	84
B17	1	#9	1	25'-5"	86
B18	1	#9	1	26'-11"	92
B19	1	#9	1	25'-6"	87
B20	1	#9	1	26'-2"	89
B21	1	#9	1	24'-9"	84
B22	1	#9	1	25'-5"	86
B24	6	#4	STR	3'-8"	15
B25	14	#4	STR	25'-1"	235
H5	7	#4	2	14'-11"	70
H6	7	#4	2	14'-8"	69
H7	4	#4	STR	16'-6"	44
H8	4	#4	STR	16'-3"	43
K2	4	#4	STR	4'-0"	11
K4	10	#4	STR	25'-1"	168
K5	8	#4	STR	4'-6"	24
S1	33	#4	4	11'-8"	257
S2	33	#4	5	4'-5"	97
S3	20	#4	6	6'-6"	87
S4	3	#6	8	4'-11"	22
S5	3	#6	9	11'-5"	51
U1	22	#4	7	3'-8"	54
V1	22	#5	STR	8'-3"	189
V3	37	#5	STR	10'-1"	389

REINFORCING STEEL (STAGE 2) 2,790 LBS.

CLASS A CONCRETE BREAKDOWN (STAGE 2)	
POUR #1 CAP, LOWER PART OF WINGS & COLLARS	19.4 C.Y.
POUR #2 BACKWALL AND UPPER PART OF WINGS	8.3 C.Y.
TOTAL CLASS A CONCRETE	27.7 C.Y.

ARCHITECTURAL CONCRETE SURFACE TREATMENT (STAGE 1) 257.2 SQ. FT.

ARCHITECTURAL CONCRETE SURFACE TREATMENT (STAGE 2) 220.2 SQ. FT.

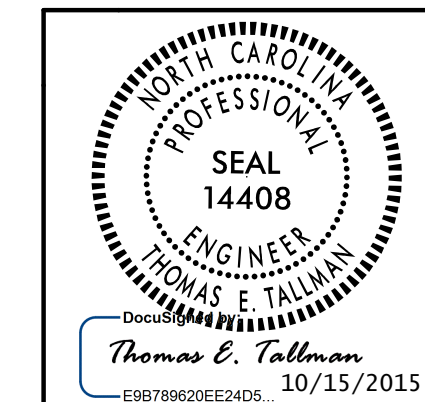
PROJECT NO. B-4159  
 JACKSON COUNTY  
 STATION: 20+16.00 -L-  
 SHEET 4 OF 4

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

SUBSTRUCTURE  
 END BENT 2  
 DETAILS

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

SHEET NO. S-56  
 TOTAL SHEETS 64



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 TCA Engineering, Inc.

DRAWN BY : D. H. CARTER DATE : OCT 2015  
 CHECKED BY : K. M. MOBLEY DATE : OCT 2015  
 DESIGN ENGINEER OF RECORD: T. E. TALLMAN DATE : OCT 2015