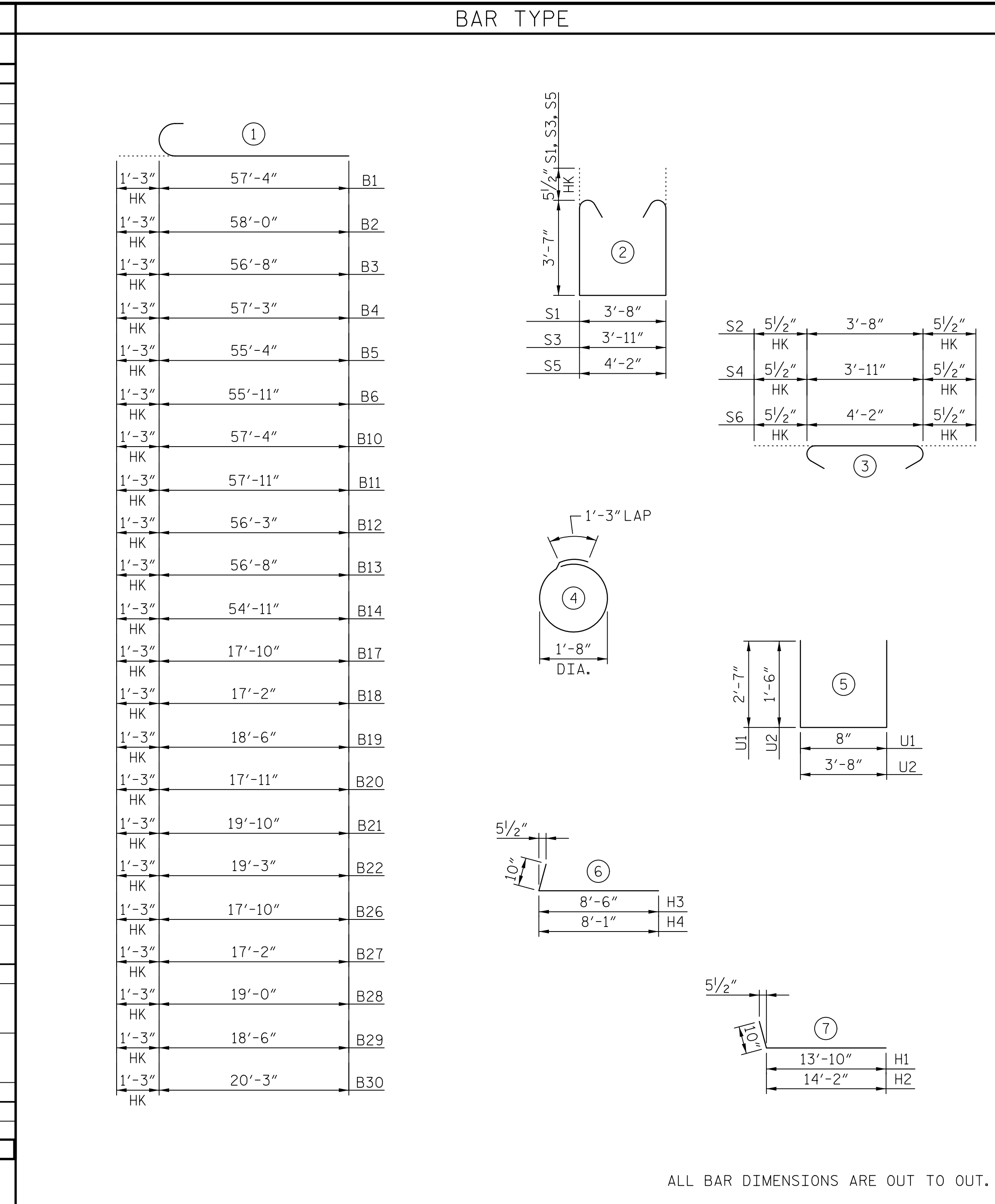


DATE: 1/19/2023
TIME: 10:46:50 AM

USER: rmeach
DIR: \\vncorcom\com\Users\AMEFA\John.C.Morrison\Projects\60436195-B-465A-900\Wor\910\CAD\YO_MCDOT_TIP\Structures\04_Drawing\400_B9_545_B4654_SML_EB2_5.dgn

BILL OF MATERIAL						BILL OF MATERIAL					
END BENT 2 (STAGE I)						END BENT 2 (STAGE II)					
BAR	No.	SIZE	TYPE	LENGTH	WEIGHT	BAR	No.	SIZE	TYPE	LENGTH	WEIGHT
B1	1	9	1	58'-7"	199	B9	5	4	STR	3'-8"	12
B2	1	9	1	59'-3"	201	B16	10	4	STR	2'-9"	18
B3	1	9	1	57'-11"	197	B17	1	9	1	19'-1"	65
B4	1	9	1	58'-6"	199	B18	1	9	1	18'-5"	63
B5	1	9	1	56'-7"	192	B19	1	9	1	19'-9"	67
B6	1	9	1	57'-2"	194	B20	1	9	1	19'-2"	65
B7	12	5	STR	30'-8"	384	B21	1	9	1	21'-1"	72
B8	8	4	STR	29'-11"	160	B22	1	9	1	20'-6"	70
B9	14	4	STR	3'-8"	37	B23	3	5	STR	18'-10"	59
B10	1	9	1	58'-7"	199	B24	3	5	STR	21'-2"	66
B11	1	9	1	59'-2"	201	B25	4	4	STR	20'-2"	54
B12	1	9	1	57'-6"	196	B26	1	9	1	19'-1"	65
B13	1	9	1	57'-11"	197	B27	1	9	1	18'-5"	63
B14	1	9	1	56'-2"	191	B28	1	9	1	20'-3"	69
B15	5	4	STR	26'-9"	89	B29	1	9	1	19'-9"	67
B16	20	4	STR	2'-9"	34	B30	1	9	1	21'-6"	73
S1	62	5	2	11'-9"	760	S1	23	5	2	11'-9"	282
S2	62	5	3	4'-7"	296	S2	23	5	3	4'-7"	110
S3	1	5	2	12'-0"	13	S3	1	5	2	12'-0"	13
S4	1	5	3	4'-10"	5	S4	1	5	3	4'-10"	5
S5	1	5	2	12'-3"	13	S5	1	5	2	12'-3"	13
S6	1	5	3	5'-1"	5	S6	1	5	3	5'-1"	5
S7	32	4	4	6'-6"	139	S7	12	4	4	6'-6"	52
U1	53	4	5	5'-10"	207	U1	16	4	5	5'-10"	62
U2	43	4	5	6'-8"	191	U2	12	4	5	6'-8"	53
V1	106	5	STR	8'-0"	884	V1	32	5	STR	8'-0"	267
V2	38	5	STR	9'-11"	393	V3	28	5	STR	10'-2"	297
K1	36	4	STR	33'-0"	794	K2	18	4	STR	18'-10"	226
K3	8	4	STR	4'-6"	24	K3	8	4	STR	4'-6"	24
H1	21	6	7	14'-6"	457	H3	22	6	6	9'-4"	308
H2	21	6	7	15'-0"	473	H4	22	6	6	8'-11"	295
TOTAL REINFORCING STEEL 7,524 LBS.						TOTAL REINFORCING STEEL 2,960 LBS.					
CLASS A CONCRETE						CLASS A CONCRETE					
POUR #1 (CAP, COLLARS & LOWER WINGWALLS) 38.5 C.Y.						POUR #1 (CAP, COLLARS & LOWER WINGWALLS) 14.9 C.Y.					
POUR #2 (BACKWALL & UPPER WINGWALL) 12.9 C.Y.						POUR #2 (BACKWALL & UPPER WINGWALL) 5.4 C.Y.					
TOTAL = 51.4 C.Y.						TOTAL = 20.2 C.Y.					
HP 12x53 STEEL PILES:						HP 12x53 STEEL PILES:					
NO. = 8 LIN. FT. = 640						NO. = 3 LIN. FT. = 240					
PILE REDRIVES 4 EA.						PILE REDRIVES 2 EA.					



PROJECT NO. B-4654
WAKE COUNTY
 STATION: 22+71.80 -L-

SHEET 5 OF 5

AECOM TECHNICAL SERVICES OF NC, INC.
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 AECOM License No. F-0342

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE

END BENT 2
SECTION AND DETAILS

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-45
1			3			TOTAL SHEETS
2			4			49

1/19/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : T.B. STUMP DATE : 01/2019
 CHECKED BY : J.C. MORRISON DATE : 01/2019
 DESIGNED BY : T.B. STUMP DATE : 01/2019
 DESIGN CHECKED BY : J.C. MORRISON DATE : 01/2019