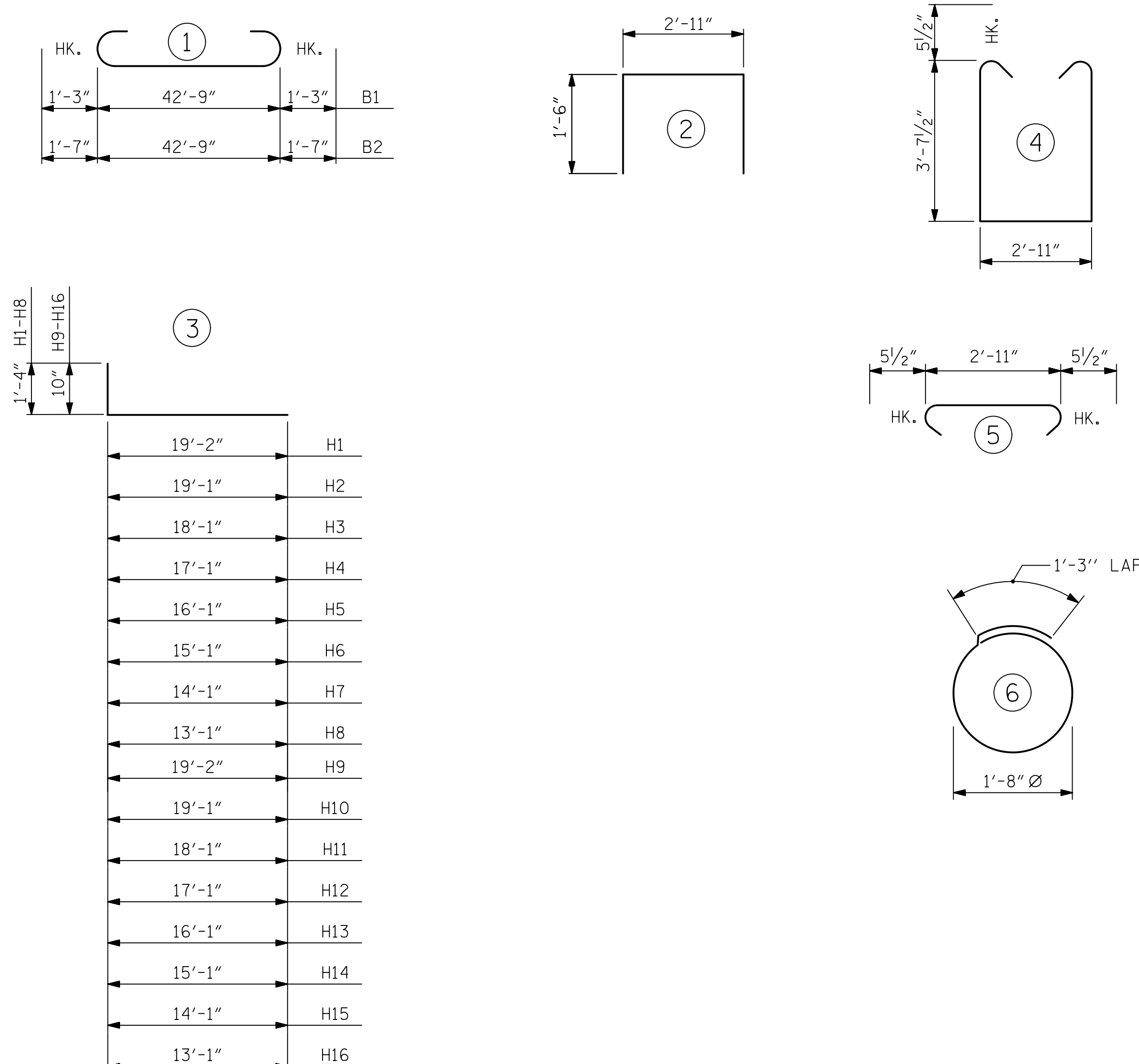


BAR TYPES



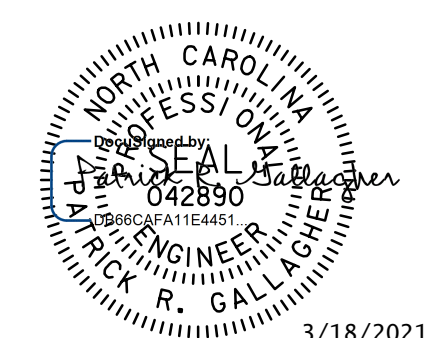
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

END BENT NO. 1										END BENT NO. 2													
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#9	1	45'-3"	769	K1	44	#4	STR	3'-7"	105	B1	5	#9	1	45'-3"	769	K1	48	#4	STR	3'-7"	115
B2	4	#11	1	45'-11"	976							B2	4	#11	1	45'-11"	976						
B3	6	#5	STR	42'-9"	268	S1	51	#5	4	11'-1"	590	B3	6	#5	STR	42'-9"	268	S1	51	#5	4	11'-1"	590
B4	8	#4	STR	22'-7"	121	S2	51	#5	5	3'-10"	204	B4	8	#4	STR	22'-7"	121	S2	51	#5	5	3'-10"	204
B5	11	#4	STR	2'-11"	21	S3	24	#4	6	6'-6"	104	B5	11	#4	STR	2'-11"	21	S3	24	#4	6	6'-6"	104
B6	5	#4	STR	2'-5"	8							B6	5	#4	STR	2'-5"	8						
						U1	3	#4	2	5'-11"	12							U1	3	#4	2	5'-11"	12
H1	24	#8	3	20'-6"	1,314	V1	60	#4	STR	6'-2"	247	H1	26	#8	3	20'-6"	1,423	V1	60	#4	STR	6'-2"	247
H2	2	#8	3	20'-5"	109	V2	64	#4	STR	9'-3"	296	H2	2	#8	3	20'-5"	109	V2	64	#4	STR	9'-8"	413
H3	2	#8	3	19'-5"	104	V3	4	#4	STR	9'-0"	24	H3	2	#8	3	19'-5"	104	V3	4	#4	STR	9'-7"	26
H4	2	#8	3	18'-5"	98	V4	4	#4	STR	8'-6"	23	H4	2	#8	3	18'-5"	98	V4	4	#4	STR	9'-1"	24
H5	2	#8	3	17'-5"	93	V5	4	#4	STR	8'-0"	21	H5	2	#8	3	17'-5"	93	V5	4	#4	STR	8'-7"	23
H6	2	#8	3	16'-5"	88	V6	4	#4	STR	7'-6"	20	H6	2	#8	3	16'-5"	88	V6	4	#4	STR	8'-1"	22
H7	2	#8	3	15'-5"	82	V7	4	#4	STR	7'-0"	19	H7	2	#8	3	15'-5"	82	V7	4	#4	STR	7'-7"	20
H8	2	#8	3	14'-5"	77	V8	4	#4	STR	6'-6"	17	H8	2	#8	3	14'-5"	77	V8	4	#4	STR	7'-2"	19
H9	24	#5	3	20'-0"	501	V9	4	#4	STR	6'-0"	16	H9	26	#5	3	20'-0"	542	V9	4	#4	STR	6'-8"	18
H10	2	#5	3	19'-11"	41							H10	2	#5	3	19'-11"	41						
H11	2	#5	3	18'-11"	39							H11	2	#5	3	18'-11"	39						
H12	2	#5	3	17'-11"	37							H12	2	#5	3	17'-11"	37						
H13	2	#5	3	16'-11"	35							H13	2	#5	3	16'-11"	35						
H14	2	#5	3	15'-11"	33							H14	2	#5	3	15'-11"	33						
H15	2	#5	3	14'-11"	31							H15	2	#5	3	14'-11"	31						
H16	2	#5	3	13'-11"	28							H16	2	#5	3	13'-11"	28						
H17	4	#5	STR	7'-3"	30							H17	4	#5	STR	7'-3"	30						

REINFORCING STEEL	6,601	REINFORCING STEEL	6,890 LBS.
CLASS A CONCRETE BREAKDOWN		CLASS A CONCRETE BREAKDOWN	
POUR #1 CAP, LOWER PART OF WINGS, & PILE COLLARS	27.8 C.Y.	POUR #1 CAP, LOWER PART OF WINGS, & PILE COLLARS	27.7 C.Y.
POUR #2 UPPER PART OF WINGS	12.6 C.Y.	POUR #2 UPPER PART OF WINGS	13.0 C.Y.
TOTAL CLASS A CONCRETE	40.4 C.Y.	TOTAL CLASS A CONCRETE	40.7 C.Y.
HP 12 X 53 STEEL PILES NO: 6	LIN. FT.= 180	HP 12 X 53 STEEL PILES NO: 6	LIN. FT.= 210
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES	NO: 6	PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES	NO: 6

C:\Users\vaughn\OneDrive\Documents\30-09_B4407\Structures\Final Plans\JOB_B-4407_SML\EB06_S34.dgn
 DATE: 2/16/2021 5:46:36 PM



3/18/2021

V&M
Vaughn & Melton
Consulting Engineers

Asheville, North Carolina
828-253-2786

Boone, NC 828-355-9933
Tri-Cities, TN 423-467-8401
Knoxville, TN 865-546-5800
Spartanburg, SC 864-574-4775
Charleston, SC 843-974-5650
Middleboro, KY 506-248-6500
Asheville, NC 828-253-2786
Charlotte, NC 704-357-0488
Atlanta, GA 770-627-3590

Copyright © 2006 Vaughn & Melton, Inc. All Rights Reserved

PROJECT NO. B-4407
ANSON/STANLY COUNTY
 STATION: 32+31.61 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 END BENT DETAILS

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

DWN. BY: AW
 CHKD. BY: RTS
 DES. EGR. OF RECORD: PRG

DATE: 10/2020
 DATE: 10/2020
 DATE: 10/2020

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-34
1			3			TOTAL SHEETS
2			4			45