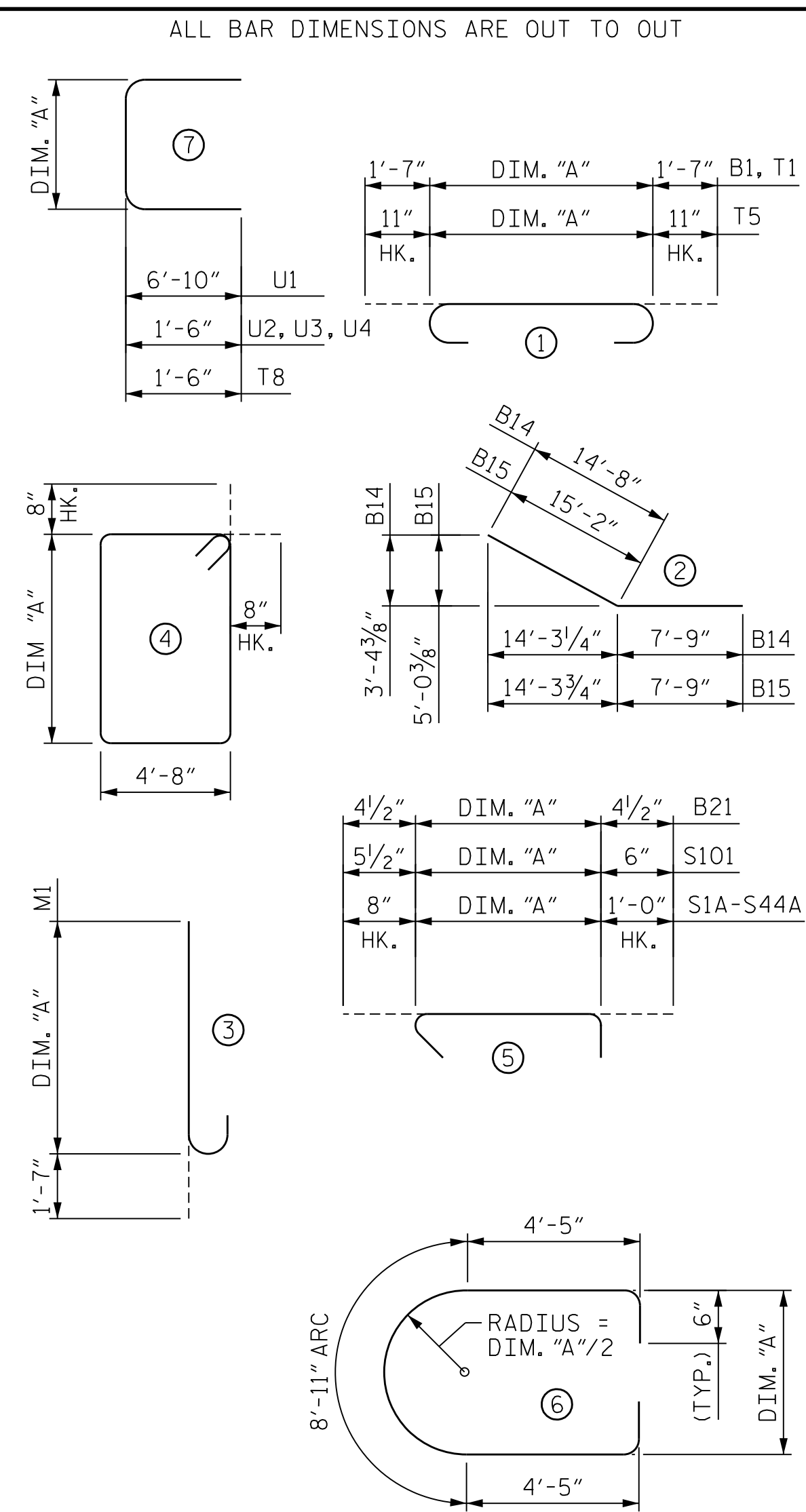


BILL OF MATERIAL - BENT 5

BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT
B1	12	#11		41'-6"	44'-8"	2,848	S1A	2	#6	5	6'-10"	8'-6"	26
B2	12	#11	STR.	--	40'-10"	2,603	S2A	2	#6	5	7'-0"	8'-8"	26
B3	24	#8	STR.	--	41'-8"	2,670	S3A	4	#6	5	7'-5"	9'-1"	55
B4	2	#8	STR.	--	38'-5"	205	S4A	2	#6	5	7'-3"	9'-3"	28
B5	2	#8	STR.	--	35'-9"	191	S5A	2	#6	5	7'-9"	9'-5"	28
B6	2	#8	STR.	--	33'-2"	177	S6A	2	#6	5	7'-11"	9'-7"	29
B7	2	#8	STR.	--	30'-6"	163	S7A	2	#6	5	8'-2"	9'-10"	30
B8	2	#8	STR.	--	27'-11"	149	S8A	2	#6	5	8'-4"	10'-0"	30
B9	2	#8	STR.	--	25'-3"	135	S9A	2	#6	5	8'-5"	10'-1"	30
B10	2	#8	STR.	--	22'-7"	121	S10A	2	#6	5	8'-8"	10'-4"	31
B11	2	#8	STR.	--	20'-0"	107	S11A	2	#6	5	8'-10"	10'-6"	32
B12	2	#8	STR.	--	17'-3"	92	S12A	2	#6	5	9'-1"	10'-9"	32
B13	2	#8	STR.	--	14'-7"	78	S13A	2	#6	5	9'-2"	10'-10"	33
B14	12	#8	2	--	22'-5"	718	S14A	2	#6	5	9'-5"	11'-1"	33
B15	12	#8	2	--	22'-11"	734	S15A	2	#6	5	9'-7"	11'-3"	34
							S16A	2	#6	5	9'-9"	11'-5"	34
							S17A	2	#6	5	9'-11"	11'-7"	35
							S18A	2	#6	5	10'-2"	11'-10"	36
							S19A	2	#6	5	10'-4"	12'-0"	36
B20	11	#4	STR.	--	6'-8"	49	S20A	2	#6	5	10'-6"	12'-2"	37
B21	11	#4	5	6'-8"	7'-5"	54	S21A	8	#6	5	10'-9"	12'-5"	149
							S22A	8	#6	5	10'-10"	12'-6"	150
							S23A	8	#6	5	11'-1"	12'-9"	153
							S24A	8	#6	5	11'-2"	12'-10"	154
M1	60	#11	3	13'-0"	14'-7"	4,649	S25A	2	#6	5	11'-0"	12'-8"	38
							S26A	2	#6	5	10'-10"	12'-6"	38
							S27A	2	#6	5	10'-7"	12'-3"	37
							S28A	2	#6	5	10'-5"	12'-1"	36
S1	2	#6	4	6'-10"	24'-4"	73	S29A	2	#6	5	10'-2"	11'-10"	36
S2	2	#6	4	7'-0"	24'-8"	74	S30A	2	#6	5	9'-11"	11'-7"	35
S3	4	#6	4	7'-4 1/2"	25'-5"	153	S31A	2	#6	5	9'-9"	11'-5"	34
S4	2	#6	4	7'-6 1/2"	25'-9"	77	S32A	2	#6	5	9'-7"	11'-3"	34
S5	2	#6	4	7'-9"	26'-2"	79	S33A	2	#6	5	9'-4"	11'-0"	33
S6	2	#6	4	7'-11"	26'-6"	80	S34A	2	#6	5	9'-2"	10'-10"	33
S7	2	#6	4	8'-1 1/2"	26'-11"	81	S35A	2	#6	5	8'-11"	10'-7"	32
S8	2	#6	4	8'-3 1/2"	27'-3"	82	S36A	2	#6	5	8'-8"	10'-4"	31
S9	2	#6	4	8'-5 1/2"	27'-7"	83	S37A	2	#6	5	8'-6"	10'-2"	31
S10	2	#6	4	8'-8"	28'-0"	84	S38A	2	#6	5	8'-4"	10'-0"	30
S11	2	#6	4	8'-10"	28'-4"	85	S39A	2	#6	5	8'-1"	9'-9"	29
S12	2	#6	4	9'-0 1/2"	28'-9"	86	S40A	2	#6	5	7'-11"	9'-7"	29
S13	2	#6	4	9'-2 1/2"	29'-1"	87	S41A	2	#6	5	7'-8"	9'-4"	28
S14	2	#6	4	9'-5"	29'-6"	89	S42A	4	#6	5	7'-6"	9'-2"	55
S15	2	#6	4	9'-7"	29'-10"	90	S43A	2	#6	5	7'-1"	8'-9"	26
S16	2	#6	4	9'-9"	30'-2"	91	S44A	2	#6	5	6'-10"	8'-6"	26
S17	2	#6	4	9'-11 1/2"	30'-7"	92							
S18	2	#6	4	10'-1 1/2"	30'-11"	93							
S19	2	#6	4	10'-4"	31'-4"	94	S100	94	#5	6	5'-8"	18'-9"	1,838
S20	2	#6	4	10'-6"	31'-8"	95	S101	141	#5	5	5'-8"	6'-8"	980
S21	8	#6	4	10'-8 1/2"	32'-1"	386							
S22	8	#6	4	10'-9 1/2"	32'-3"	388							
S23	8	#6	4	11'-1"	32'-10"	395	T1	110	#11	1	27'-6"	30'-8"	17,923
S24	8	#6	4	11'-2"	33'-0"	397							
S25	2	#6	4	11'-0"	32'-8"	98	T3	40	#5	STR.	--	27'-6"	1,147
S26	2	#6	4	10'-9 1/2"	32'-3"	97							
S27	2	#6	4	10'-7"	31'-10"	96	T5	60	#8	1	27'-6"	29'-4"	4,699
S28	2	#6	4	10'-4 1/2"	31'-5"	94							
S29	2	#6	4	10'-2"	31'-0"	93							
S30	2	#6	4	9'-11 1/2"	30'-7"	92	T8	220	#5	7	5'-8"	8'-8"	1,989
S31	2	#6	4	9'-9"	30'-2"	91							
S32	2	#6	4	9'-6 1/2"	29'-9"	89	U1	20	#6	7	6'-8"	20'-4"	611
S33	2	#6	4	9'-4"	29'-4"	88	U2	36	#6	7	6'-6 1/2"	9'-7"	518
S34	2	#6	4	9'-1 1/2"	28'-11"	87	U3	36	#4	7	6'-8"	9'-8"	232
S35	2	#6	4	8'-11"	28'-6"	86	U4	48	#4	7	3'-8"	6'-8"	214
S36	2	#6	4	8'-8 1/2"	28'-1"	84							
S37	2	#6	4	8'-6"	27'-8"	83	V1	60	#11	STR.	--	28'-10"	9,191
S38	2	#6	4	8'-3 1/2"	27'-3"	82							
S39	2	#6	4	8'-1"	26'-10"	81							
S40	2	#6	4	7'-10 1/2"	26'-5"	79							
S41	2	#6	4	7'-8"	26'-0"	78							
S42	4	#6	4	7'-5 1/2"	25'-7"	154							
S43	2	#6	4	7'-0 1/2"	24'-9"	74							
S44	2	#6	4	6'-10"	24'-4"	73							

BAR TYPES



SUMMARY OF QUANTITIES - BENT 5

REINFORCING STEEL	LBS.	62,150
CLASS AA CONCRETE:		
POUR #1 - FOOTING	C.Y.	203.3
POUR #2 - COLUMN	C.Y.	56.0
POUR #3 - CAP	C.Y.	108.0
TOTAL	C.Y.	367.3
HP 14x73 STEEL PILES	NO.	28
	LF	1,820
PILE DRIVING EQUIPMENT SETUP FOR HP 14X73 STEEL PILES	EA.	28

NOTE
SEE SHEET 1 OF 5 FOR NOTES.

PROJECT NO. U-2579AB
FORSYTH COUNTY
 STATION: 60+66.06 -Y15FLYAC-

SHEET 5 OF 5

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUBSTRUCTURE
 BENT 5
 BILL OF MATERIALS**



Domenic A. Colletti 10/15/2021

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

SHEET NO. S04-117
 TOTAL SHEETS 144

HDR HDR Engineering, Inc. of the Carolinas
 555 Fayetteville St., Suite 900 Raleigh, N.C. 27601
 N.C.B.E.L.S. License Number: F-0116

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 UNLESS ALL SIGNATURES COMPLETED

PLOT DRIVER: NCDOT... PENTABLE: NCDOT... USER: PPETERSO... DATE: 10/14/2021... FILE: ...SUBSTR

DES BY: B. PETERSON DATE: 10/19
 DES CHK: S. NIFONG DATE: 10/19
 DWG BY: B. PETERSON DATE: 10/19
 CHK BY: M. WERNER DATE: 10/19