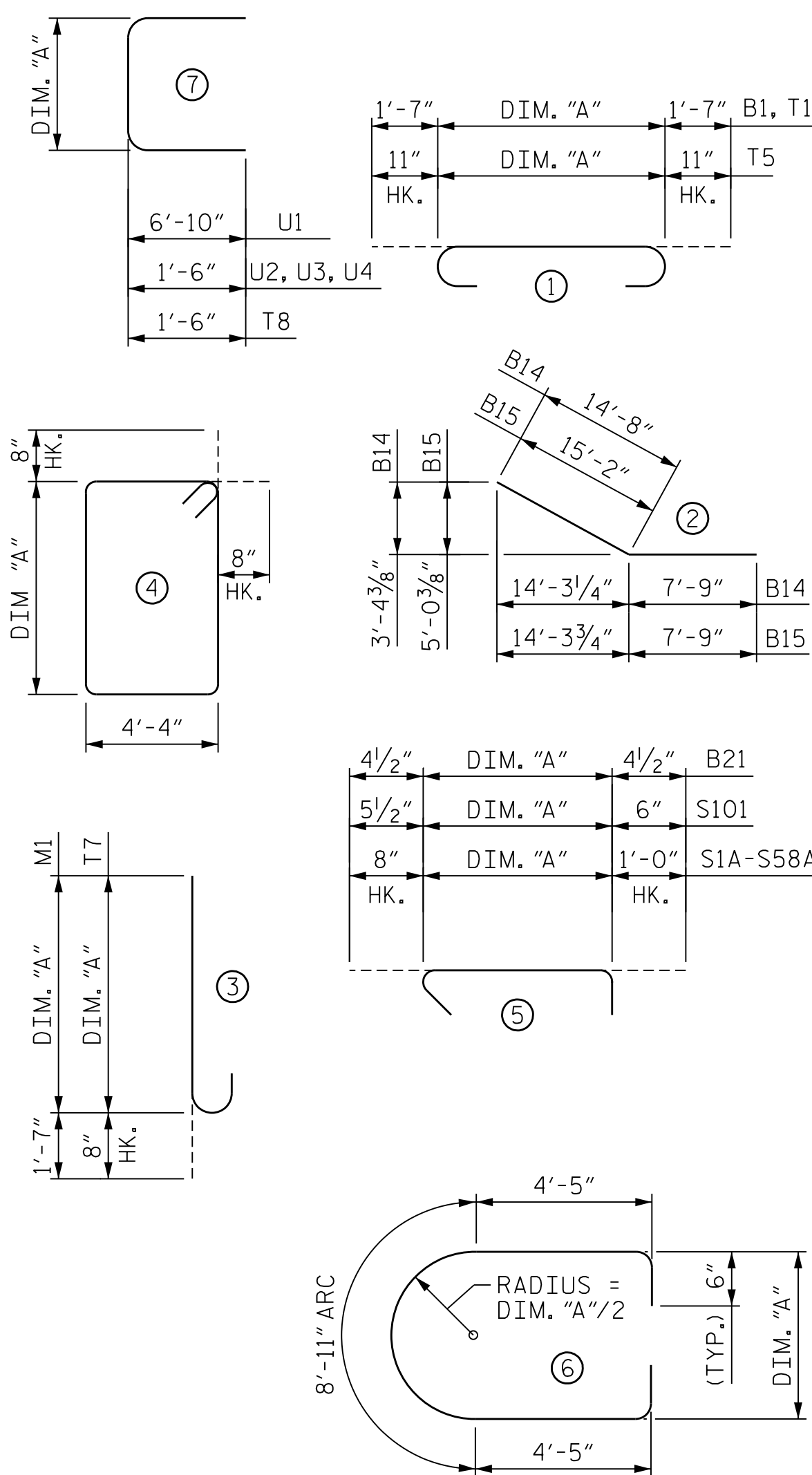


## BILL OF MATERIAL - BENT 2

BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT
B1	12	#11	1	41'-6"	44'-8"	2,848	S57	2	#6	4	6'-11 1/2"	23'-11"	72
B2	18	#11	STR	--	40'-10"	3,905	S58	2	#6	4	6'-9 1/2"	23'-7"	71
B3	22	#8	STR	--	41'-8"	2,448							
B4	2	#8	STR	--	38'-5"	205	S1A	2	#6	5	6'-10"	8'-6"	26
B5	2	#8	STR	--	35'-9"	191	S2A	2	#6	5	6'-11"	8'-7"	26
B6	2	#8	STR	--	33'-2"	177	S3A	2	#6	5	7'-1"	8'-9"	26
B7	2	#8	STR	--	30'-6"	163	S4A	4	#6	5	7'-4"	9'-0"	54
B8	2	#8	STR	--	27'-11"	149	S5A	2	#6	5	7'-6"	9'-2"	28
B9	2	#8	STR	--	25'-3"	135	S6A	2	#6	5	7'-8"	9'-4"	28
B10	2	#8	STR	--	22'-7"	121	S7A	2	#6	5	7'-9"	9'-5"	28
B11	2	#8	STR	--	20'-0"	107	S8A	2	#6	5	7'-11"	9'-7"	29
B12	2	#8	STR	--	17'-3"	92	S9A	2	#6	5	8'-0"	9'-8"	29
B13	2	#8	STR	--	14'-7"	78	S10A	2	#6	5	8'-2"	9'-10"	30
B14	12	#8	2	--	22'-5"	718	S11A	2	#6	5	8'-4"	10'-0"	30
B15	12	#8	2	--	22'-11"	734	S12A	2	#6	5	8'-5"	10'-1"	30
							S13A	2	#6	5	8'-7"	10'-3"	31
B20	22	#4	STR	--	6'-8"	98	S14A	2	#6	5	8'-8"	10'-4"	31
B21	11	#4	5	6'-8"	7'-5"	54	S15A	2	#6	5	8'-10"	10'-6"	32
							S16A	2	#6	5	9'-0"	10'-8"	32
M1	60	#11	3	12'-6"	14'-1"	4,489	S17A	2	#6	5	9'-2"	10'-10"	33
							S18A	2	#6	5	9'-3"	10'-11"	33
S1	2	#6	4	6'-9 1/2"	23'-7"	71	S19A	2	#6	5	9'-5"	11'-1"	33
S2	2	#6	4	6'-11"	23'-10"	72	S20A	2	#6	5	9'-7"	11'-3"	34
S3	2	#6	4	7'-0 1/2"	24'-1"	72	S21A	2	#6	5	9'-8"	11'-4"	34
S4	4	#6	4	7'-4"	24'-8"	148	S22A	2	#6	5	9'-10"	11'-6"	35
S5	2	#6	4	7'-5 1/2"	24'-11"	75	S23A	2	#6	5	9'-11"	11'-7"	35
S6	2	#6	4	7'-7 1/2"	25'-3"	76	S24A	2	#6	5	10'-1"	11'-9"	35
S7	2	#6	4	7'-9"	25'-6"	77	S25A	2	#6	5	10'-2"	11'-10"	36
S8	2	#6	4	7'-10 1/2"	25'-9"	77	S26A	2	#6	5	10'-5"	12'-1"	36
S9	2	#6	4	8'-0"	26'-0"	78	S27A	2	#6	5	10'-6"	12'-2"	37
S10	2	#6	4	8'-2"	26'-4"	79	S28A	8	#6	5	10'-9"	12'-5"	149
S11	2	#6	4	8'-3 1/2"	26'-7"	80	S29A	8	#6	5	10'-10"	12'-6"	150
S12	2	#6	4	8'-5"	26'-10"	81	S30A	8	#6	5	11'-1"	12'-9"	153
S13	2	#6	4	8'-7"	27'-2"	82	S31A	8	#6	5	11'-2"	12'-10"	154
S14	2	#6	4	8'-8 1/2"	27'-5"	82	S32A	2	#6	5	11'-0"	12'-8"	38
S15	2	#6	4	8'-10"	27'-8"	83	S33A	2	#6	5	10'-10"	12'-6"	38
S16	2	#6	4	9'-0"	28'-0"	84	S34A	2	#6	5	10'-8"	12'-4"	37
S17	2	#6	4	9'-1 1/2"	28'-3"	85	S35A	2	#6	5	10'-7"	12'-3"	37
S18	2	#6	4	9'-3"	28'-6"	86	S36A	2	#6	5	10'-5"	12'-1"	36
S19	2	#6	4	9'-5"	28'-10"	87	S37A	2	#6	5	10'-2"	11'-10"	36
S20	2	#6	4	9'-6 1/2"	29'-1"	87	S38A	2	#6	5	10'-1"	11'-9"	35
S21	2	#6	4	9'-8"	29'-4"	88	S39A	2	#6	5	9'-11"	11'-7"	35
S22	2	#6	4	9'-9 1/2"	29'-7"	89	S40A	2	#6	5	9'-9"	11'-5"	34
S23	2	#6	4	9'-11 1/2"	29'-11"	90	S41A	2	#6	5	9'-7"	11'-3"	34
S24	2	#6	4	10'-1"	30'-2"	91	S42A	2	#6	5	9'-5"	11'-1"	33
S25	2	#6	4	10'-2 1/2"	30'-5"	91	S43A	2	#6	5	9'-4"	11'-0"	33
S26	2	#6	4	10'-4 1/2"	30'-9"	92	S44A	2	#6	5	9'-2"	10'-10"	33
S27	2	#6	4	10'-6"	31'-0"	93	S45A	2	#6	5	8'-11"	10'-7"	32
S28	8	#6	4	10'-8 1/2"	31'-5"	378	S46A	2	#6	5	8'-10"	10'-6"	32
S29	8	#6	4	10'-9 1/2"	31'-7"	380	S47A	2	#6	5	8'-8"	10'-4"	31
S30	8	#6	4	11'-1"	32'-2"	387	S48A	2	#6	5	8'-6"	10'-2"	31
S31	8	#6	4	11'-2"	32'-4"	389	S49A	2	#6	5	8'-4"	10'-0"	30
S32	2	#6	4	11'-0"	32'-0"	96	S50A	2	#6	5	8'-2"	9'-10"	30
S33	2	#6	4	10'-10"	31'-8"	95	S51A	2	#6	5	8'-1"	9'-9"	29
S34	2	#6	4	10'-8"	31'-4"	94	S52A	2	#6	5	7'-11"	9'-7"	29
S35	2	#6	4	10'-6 1/2"	31'-1"	93	S53A	2	#6	5	7'-9"	9'-5"	28
S36	2	#6	4	10'-4 1/2"	30'-9"	92	S54A	2	#6	5	7'-7"	9'-3"	28
S37	2	#6	4	10'-2 1/2"	30'-5"	91	S55A	4	#6	5	7'-5"	9'-1"	55
S38	2	#6	4	10'-0 1/2"	30'-1"	90	S56A	2	#6	5	7'-1"	8'-9"	26
S39	2	#6	4	9'-11"	29'-10"	90	S57A	2	#6	5	7'-0"	8'-8"	26
S40	2	#6	4	9'-9"	29'-6"	89	S58A	2	#6	5	6'-10"	8'-6"	26
S41	2	#6	4	9'-7"	29'-2"	88							
S42	2	#6	4	9'-5 1/2"	28'-11"	87	S100	62	#5	6	5'-8"	18'-9"	1,212
S43	2	#6	4	9'-3 1/2"	28'-7"	86	S101	93	#5	5	5'-8"	6'-8"	647
S44	2	#6	4	9'-1 1/2"	28'-3"	85							
S45	2	#6	4	8'-11 1/2"	27'-11"	84							
S46	2	#6	4	8'-10"	27'-8"	83							
S47	2	#6	4	8'-8"	27'-4"	82							
S48	2	#6	4	8'-6"	27'-0"	81							
S49	2	#6	4	8'-4"	26'-8"	80	T1	68	#11	1	22'-6"	25'-8"	9,273
S50	2	#6	4	8'-2 1/2"	26'-5"	79							
S51	2	#6	4	8'-0 1/2"	26'-1"	78	T3	36	#5	STR	--	22'-6"	845
S52	2	#6	4	7'-10 1/2"	25'-9"	77							
S53	2	#6	4	7'-8 1/2"	25'-5"	76	T5	48	#8	1	22'-6"	24'-4"	3,119
S54	2	#6	4	7'-7"	25'-2"	76							
S55	4	#6	4	7'-5"	24'-10"	149	Δ T7	16	#6	3	3'-11"	4'-7"	110
S56	2	#6	4	7'-1"	24'-2"	73	T8	180	#5	7	5'-2"	8'-2"	1,533

### BAR TYPES

ALL BAR DIMENSIONS ARE OUT TO OUT



### SUMMARY OF QUANTITIES - BENT 2

REINFORCING STEEL	LBS.	50,124
CLASS AA CONCRETE:		
POUR #1 - FOOTING	C.Y.	127.4
POUR #2 - COLUMN	C.Y.	36.4
POUR #3 - CAP	C.Y.	108.0
TOTAL	C.Y.	271.8
HP 14x73 STEEL PILES	NO.	36
	LF	1,260
PILE DRIVING EQUIPMENT SETUP FOR HP 14X73 STEEL PILES	EA.	36

### 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 2  
 BILL OF MATERIALS



*Domenic A. Colletti* 10/15/2021

#### REVISIONS

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

SHEET NO. 504-099  
 TOTAL SHEETS 144



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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PLOT DRIVER: NCDOT.pdf\_color\_eng-50dpi  
 USER: PETERSON DATE: 10/14/2021  
 PENTABLE: NCDOT\_STRUCTURES\_DEFAULT\_PEN.tbl  
 TIME: 4:06:35 PM  
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DES BY: B. PETERSON DATE: 10/19 DWG BY: B. PETERSON DATE: 10/19  
 DES CHK: S. NIFONG DATE: 10/19 CHK BY: M. WERNER DATE: 11/19