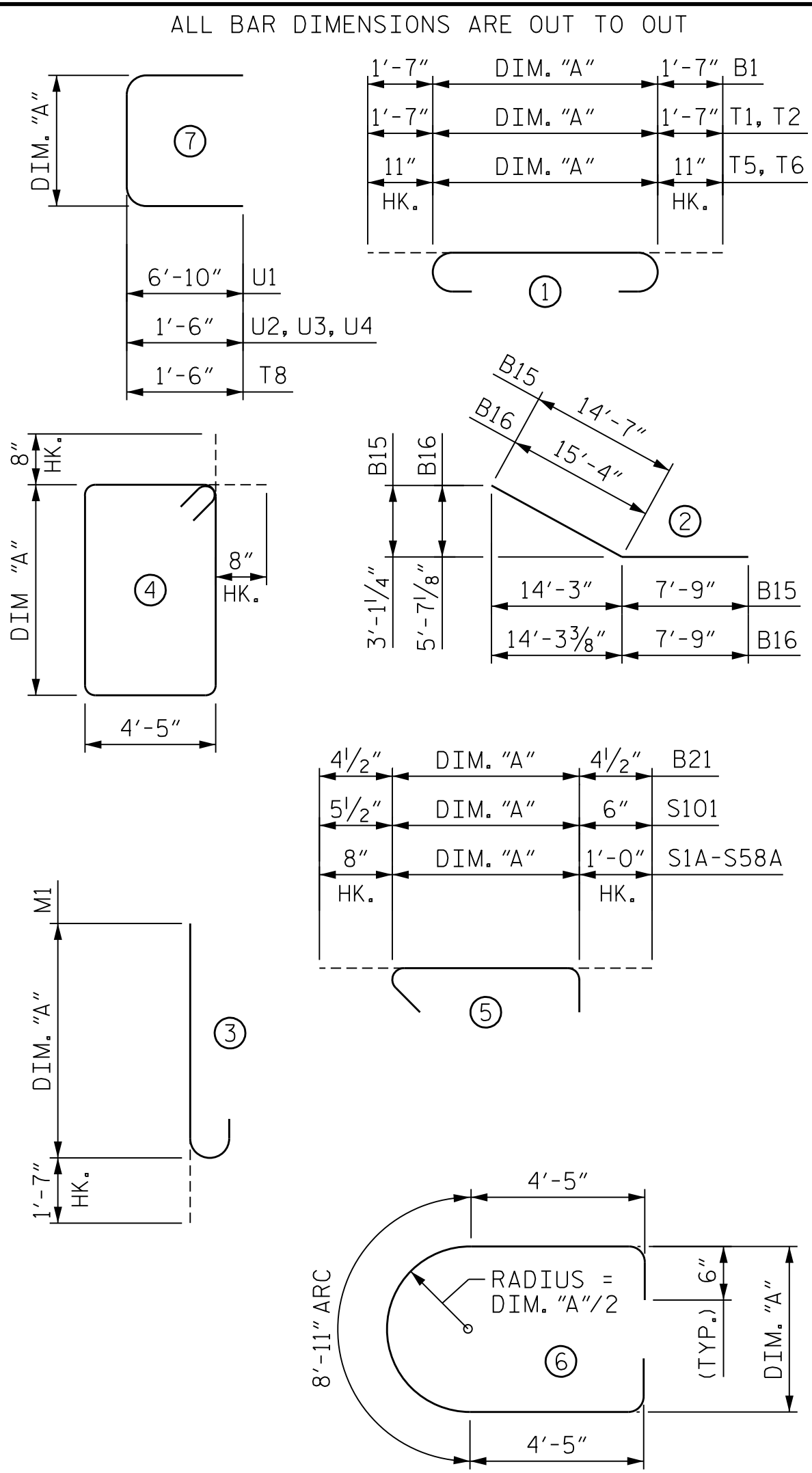


BILL OF MATERIAL - BENT 6

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	S51	2	#6	4	8'-1 1/2"	26'-5"	79
B2	18	#11	STR.	--	40'-10"	3,905	S52	2	#6	4	7'-11 1/2"	26'-1"	78
B3	22	#8	STR.	--	41'-8"	2,448	S53	2	#6	4	7'-9 1/2"	25'-9"	77
B4	2	#8	STR.	--	37'-6"	200	S54	2	#6	4	7'-7 1/2"	25'-5"	76
B5	2	#8	STR.	--	35'-2"	188	S55	4	#6	4	7'-5 1/2"	25'-1"	151
B6	2	#8	STR.	--	32'-11"	176	S56	2	#6	4	7'-1 1/2"	24'-5"	73
B7	2	#8	STR.	--	30'-8"	164	S57	2	#6	4	6'-11 1/2"	24'-1"	72
B8	2	#8	STR.	--	28'-5"	152	S58	2	#6	4	6'-9 1/2"	23'-9"	71
B9	2	#8	STR.	--	26'-2"	140							
B10	2	#8	STR.	--	23'-11"	128	S1A	2	#6	5	6'-10"	8'-6"	26
B11	2	#8	STR.	--	21'-7"	115	S2A	2	#6	5	6'-11"	8'-7"	26
B12	2	#8	STR.	--	19'-4"	103	S3A	2	#6	5	7'-1"	8'-9"	26
B13	2	#8	STR.	--	17'-0"	91	S4A	4	#6	5	7'-4"	9'-0"	54
B14	2	#8	STR.	--	14'-7"	78	S5A	2	#6	5	7'-6"	9'-2"	28
							S6A	2	#6	5	7'-8"	9'-4"	28
B15	12	#8	2	--	22'-4"	716	S7A	2	#6	5	7'-9"	9'-5"	28
B16	12	#8	2	--	23'-1"	740	S8A	2	#6	5	7'-11"	9'-7"	29
							S9A	2	#6	5	8'-1"	9'-9"	29
B20	22	#4	STR.	--	6'-8"	98	S10A	2	#6	5	8'-2"	9'-10"	30
B21	11	#4	5	6'-8"	7'-5"	54	S11A	2	#6	5	8'-4"	10'-0"	30
							S12A	2	#6	5	8'-5"	10'-1"	30
M1	60	#11	3	14'-10"	16'-5"	5,233	S13A	2	#6	5	8'-7"	10'-3"	31
							S14A	2	#6	5	8'-8"	10'-4"	31
S1	2	#6	4	6'-9 1/2"	23'-9"	71	S15A	2	#6	5	8'-11"	10'-7"	32
S2	2	#6	4	6'-11"	24'-0"	72	S16A	2	#6	5	9'-0"	10'-8"	32
S3	2	#6	4	7'-0 1/2"	24'-3"	73	S17A	2	#6	5	9'-2"	10'-10"	33
S4	4	#6	4	7'-4"	24'-10"	149	S18A	2	#6	5	9'-4"	11'-0"	33
S5	2	#6	4	7'-5 1/2"	25'-1"	75	S19A	2	#6	5	9'-5"	11'-1"	33
S6	2	#6	4	7'-7 1/2"	25'-5"	76	S20A	2	#6	5	9'-7"	11'-3"	34
S7	2	#6	4	7'-9"	25'-8"	77	S21A	2	#6	5	9'-8"	11'-4"	34
S8	2	#6	4	7'-10 1/2"	25'-11"	78	S22A	2	#6	5	9'-10"	11'-6"	35
S9	2	#6	4	8'-0 1/2"	26'-3"	79	S23A	2	#6	5	10'-0"	11'-8"	35
S10	2	#6	4	8'-2"	26'-6"	80	S24A	2	#6	5	10'-2"	11'-10"	36
S11	2	#6	4	8'-3 1/2"	26'-9"	80	S25A	2	#6	5	10'-3"	11'-11"	36
S12	2	#6	4	8'-5 1/2"	27'-1"	81	S26A	2	#6	5	10'-5"	12'-1"	36
S13	2	#6	4	8'-7"	27'-4"	82	S27A	2	#6	5	10'-7"	12'-3"	37
S14	2	#6	4	8'-8 1/2"	27'-7"	83							
S15	2	#6	4	8'-10 1/2"	27'-11"	84	S28A	8	#6	5	10'-10"	12'-6"	150
S16	2	#6	4	9'-0"	28'-2"	85	S29A	8	#6	5	10'-11"	12'-7"	151
S17	2	#6	4	9'-2"	28'-6"	86	S30A	8	#6	5	11'-4"	13'-0"	156
S18	2	#6	4	9'-3 1/2"	28'-9"	86	S31A	8	#6	5	11'-6"	13'-2"	158
S19	2	#6	4	9'-5"	29'-0"	87							
S20	2	#6	4	9'-7"	29'-4"	88	S32A	2	#6	5	11'-4"	13'-0"	39
S21	2	#6	4	9'-8 1/2"	29'-7"	89	S33A	2	#6	5	11'-2"	12'-10"	39
S22	2	#6	4	9'-10"	29'-10"	90	S34A	2	#6	5	11'-0"	12'-8"	38
S23	2	#6	4	10'-0"	30'-2"	91	S35A	2	#6	5	10'-10"	12'-6"	38
S24	2	#6	4	10'-1 1/2"	30'-5"	91	S36A	2	#6	5	10'-8"	12'-4"	37
S25	2	#6	4	10'-3"	30'-8"	92	S37A	2	#6	5	10'-5"	12'-1"	36
S26	2	#6	4	10'-5"	31'-0"	93	S38A	2	#6	5	10'-4"	12'-0"	36
S27	2	#6	4	10'-6 1/2"	31'-3"	94	S39A	2	#6	5	10'-2"	11'-10"	36
							S40A	2	#6	5	9'-11"	11'-7"	35
S28	8	#6	4	10'-9 1/2"	31'-9"	382	S41A	2	#6	5	9'-10"	11'-6"	35
S29	8	#6	4	10'-11"	32'-0"	385	S42A	2	#6	5	9'-8"	11'-4"	34
S30	8	#6	4	11'-4"	32'-10"	395	S43A	2	#6	5	9'-5"	11'-1"	33
S31	8	#6	4	11'-5 1/2"	33'-1"	398	S44A	2	#6	5	9'-4"	11'-0"	33
							S45A	2	#6	5	9'-2"	10'-10"	33
S32	2	#6	4	11'-3 1/2"	32'-9"	98	S46A	2	#6	5	8'-11"	10'-7"	32
S33	2	#6	4	11'-1 1/2"	32'-5"	97	S47A	2	#6	5	8'-10"	10'-6"	32
S34	2	#6	4	10'-11 1/2"	32'-1"	96	S48A	2	#6	5	8'-8"	10'-4"	31
S35	2	#6	4	10'-9 1/2"	31'-9"	95	S49A	2	#6	5	8'-5"	10'-1"	30
S36	2	#6	4	10'-7 1/2"	31'-5"	94	S50A	2	#6	5	8'-4"	10'-0"	30
S37	2	#6	4	10'-5 1/2"	31'-1"	93	S51A	2	#6	5	8'-2"	9'-10"	30
S38	2	#6	4	10'-3 1/2"	30'-9"	92	S52A	2	#6	5	8'-0"	9'-8"	29
S39	2	#6	4	10'-1 1/2"	30'-5"	91	S53A	2	#6	5	7'-10"	9'-6"	29
S40	2	#6	4	9'-11 1/2"	30'-1"	90	S54A	2	#6	5	7'-8"	9'-4"	28
S41	2	#6	4	9'-9 1/2"	29'-9"	89	S55A	4	#6	5	7'-6"	9'-2"	55
S42	2	#6	4	9'-7 1/2"	29'-5"	88	S56A	2	#6	5	7'-2"	8'-10"	27
S43	2	#6	4	9'-5 1/2"	29'-1"	87	S57A	2	#6	5	7'-0"	8'-8"	26
S44	2	#6	4	9'-3 1/2"	28'-9"	86	S58A	2	#6	5	6'-10"	8'-6"	26
S45	2	#6	4	9'-1 1/2"	28'-5"	85							
S46	2	#6	4	8'-11 1/2"	28'-1"	84	S100	14	#5	6	5'-8"	18'-9"	274
S47	2	#6	4	8'-9 1/2"	27'-9"	83	S101	21	#5	5	5'-8"	6'-8"	146
S48	2	#6	4	8'-7 1/2"	27'-5"	82							
S49	2	#6	4	8'-5 1/2"	27'-1"	81	T1	45	#11	1	27'-6"	30'-8"	7,332
S50	2	#6	4	8'-3 1/2"	26'-9"	80	T2	55	#11	1	22'-6"	25'-8"	7,500
							T3	20	#5	STR.	--	27'-6"	574
							T4	20	#5	STR.	--	22'-6"	469
							T5	24	#8	1	27'-6"	29'-4"	1,880
							T6	30	#8	1	22'-6"	24'-4"	1,949

BAR TYPES



SUMMARY OF QUANTITIES - BENT 6

REINFORCING STEEL	LBS.	49,718
CLASS AA CONCRETE:		
POUR #1 - FOOTING	C.Y.	167.0
POUR #2 - COLUMN	C.Y.	8.4
POUR #3 - CAP	C.Y.	109.0
TOTAL	C.Y.	284.4
HP14X73 PILES	NO.	30
PREDRILLING FOR PILES	LF	450
PILE DRIVING EQUIPMENT SETUP FOR HP 14X73 STEEL PILES	EA.	30

NOTE
SEE SHEET 1 OF 5 FOR NOTES.

PROJECT NO. U-2579AB
FORSYTH COUNTY
 STATION: 58+33.94 -Y15FLYCA-

SHEET 5 OF 5

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE BENT 6 BILL OF MATERIALS



Dominic A. Coletti 10/15/2021

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

SHEET NO. 506-116
TOTAL SHEETS 129

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

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PLOT DRIVER: NCDOT.pdf_color_eng-50.ppt
 USER: PETERSON DATE: 10/14/2021
 PENTABLE: NCDOT_STRUCTURES_DEFAULT_PEN.tbl
 TIME: 5:24:23 PM
 FILE: ...SUBSTR

DES BY: P. STOEHR DATE: 11/19 DWG BY: B. PETERSON DATE: 12/19
 DES CHK: S. NIFONG DATE: 01/20 CHK BY: M. WERNER DATE: 01/20