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 User name: jmaustin
 File name: R:\Projects\19-77 Division 6 On Call\02 US 701 over Cape Fear River\NCDOT\Structures\Dwgs\Final\401_063_US_701_SWL_BOM_01.dgn
 Plot Date: 8/11/2020 10:09:12 PM

REINFORCING BAR SCHEDULE - STAGE I

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT		
* A1	2170	5	STR	49' - 6"	112,034	* D1	2241	5	STR	5' - 4"	12,466
A2	2170	5	STR	49' - 6"	112,034	D2	2241	5	STR	5' - 4"	12,466
* A101	12	5	STR	46' - 1"	577	* G1	6	5	STR	53' - 11"	337
* A102	12	5	STR	42' - 1"	527	K1	12	8	1	14' - 5"	462
* A103	12	5	STR	38' - 0"	476	K2	12	8	2	15' - 1"	483
* A104	12	5	STR	34' - 0"	426	K3	96	8	1	13' - 0"	3,332
* A105	12	5	STR	29' - 11"	374	K4	90	6	STR	4' - 7"	620
* A106	12	5	STR	25' - 11"	324	K5	50	4	STR	4' - 3"	142
* A107	12	5	STR	21' - 10"	273	K6	100	4	STR	6' - 8"	445
* A108	12	5	STR	17' - 10"	223	K7	200	4	STR	8' - 2"	1,091
* A109	12	5	STR	13' - 9"	172	K8	35	4	3	5' - 7"	131
* A110	12	5	STR	9' - 9"	122	K9	140	4	4	11' - 0"	1,029
* A111	12	5	STR	5' - 8"	71	K10	35	4	4	9' - 5"	220
* A112	6	5	STR	3' - 8"	23						
A201	12	5	STR	46' - 1"	577	* S1	150	5	5	5' - 9"	900
A202	12	5	STR	42' - 1"	527	* S2	150	4	6	5' - 2"	518
A203	12	5	STR	38' - 0"	476	S3	50	4	7	12' - 11"	431
A204	12	5	STR	34' - 0"	426	S4	1000	4	8	2' - 9"	1,837
A205	12	5	STR	29' - 11"	374	U1	125	4	9	15' - 8"	1,308
A206	12	5	STR	25' - 11"	324						
A207	12	5	STR	21' - 10"	273						
A208	12	5	STR	17' - 10"	223						
A209	12	5	STR	13' - 9"	172						
A210	12	5	STR	9' - 9"	122						
A211	12	5	STR	5' - 8"	71						
A212	6	5	STR	3' - 8"	23						
* B1	78	5	STR	41' - 7"	3,383						
* B2	78	5	STR	55' - 4"	4,502						
* B3	156	5	STR	55' - 10"	9,085						
* B4	78	5	STR	49' - 1"	3,993						
* B5	78	5	STR	54' - 1"	4,400						
* B6	78	5	STR	53' - 9"	4,373						
* B7	585	6	STR	36' - 9"	32,291						
* B8	540	6	STR	50' - 1"	40,622						
B9	280	5	STR	57' - 4"	16,744						
B10	125	5	STR	47' - 3"	6,160						
B11	210	5	STR	52' - 6"	11,499						
B12	280	5	STR	60' - 0"	17,522						

* EPOXY COATED REINFORCING STEEL LBS. 232,492
 REINFORCING STEEL LBS. 191,544

CONCRETE BREAKDOWN

CLASS AA CONCRETE	UNIT 1	UNIT 2	UNIT 3	TOTAL
POUR #1	185.1	227.1	229.8	C.Y. 642.0
POUR #2	270.4	293.1	275.7	C.Y. 839.2
POUR #3	289.3		288.3	C.Y. 577.6
POUR #4	14.6	14.6	14.6	C.Y. 43.8
TOTAL				C.Y. 2,102.6

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

—SUPERSTRUCTURE BILL OF MATERIAL—
STAGE I CONSTRUCTION

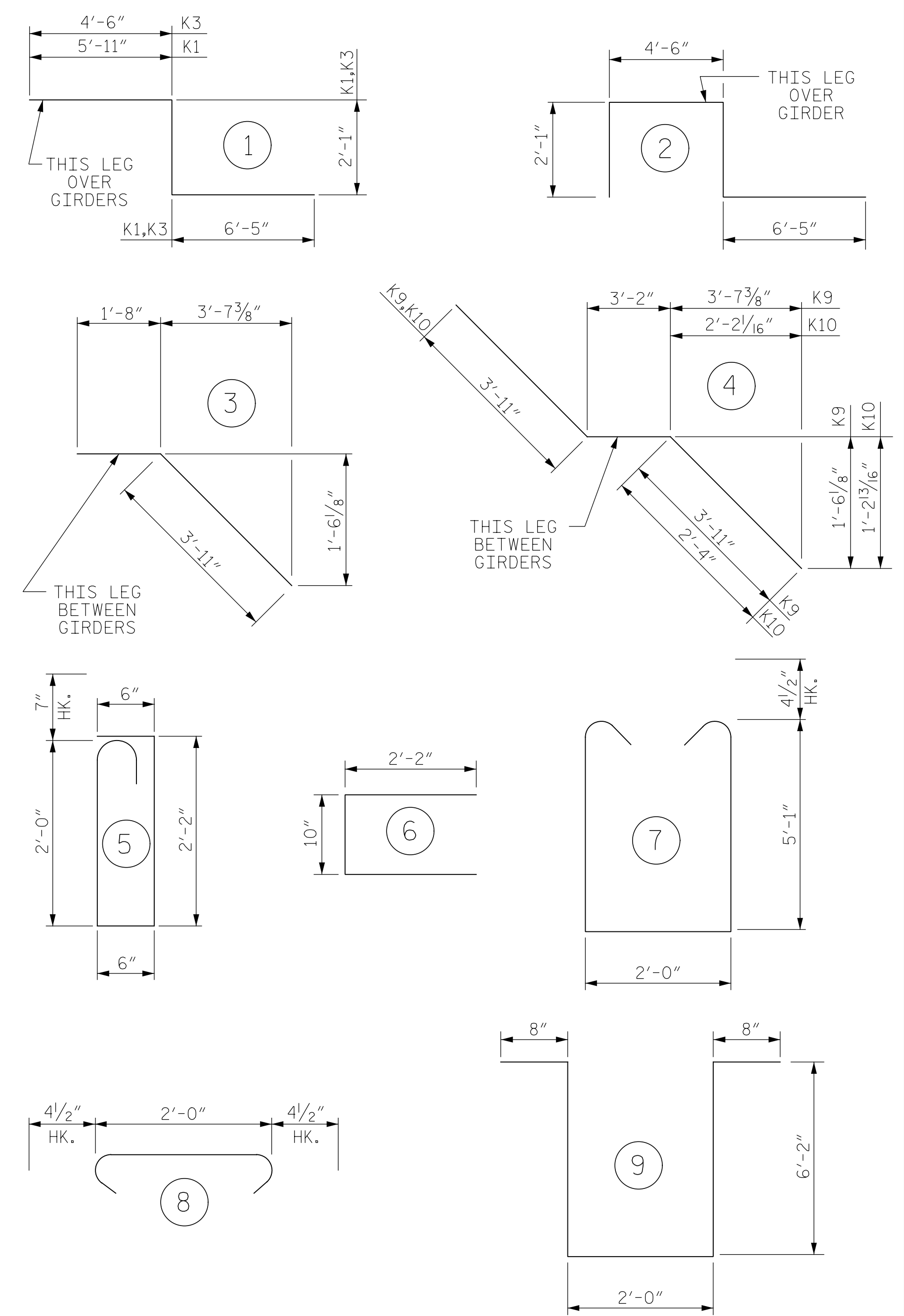
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
UNIT 1	759.4		
UNIT 2	534.8		
UNIT 3	808.4		
TOTALS**	2,102.6	191,544	232,492

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

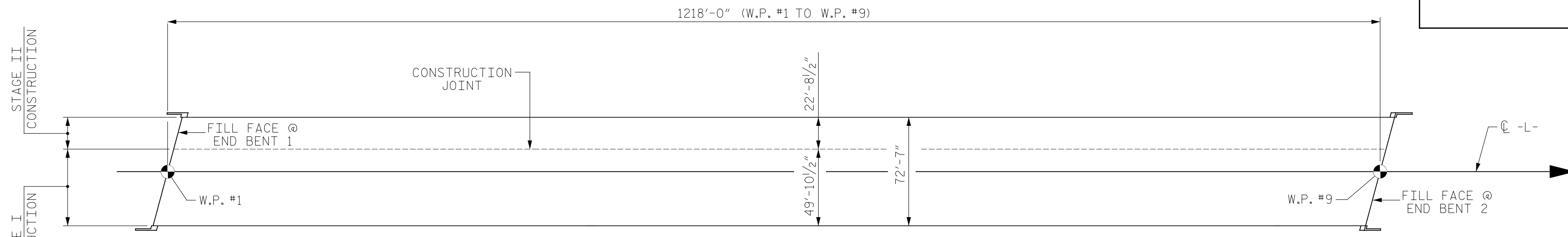
GROOVING BRIDGE FLOORS STAGE I CONSTRUCTION

APPROACH SLABS	2,256	SQ.FT.
BRIDGE DECK	57,118	SQ.FT.
TOTAL	59,374	SQ.FT.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

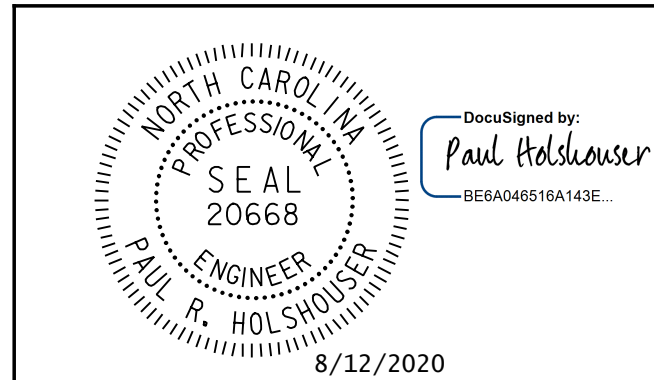


LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB

STAGE I=	60,748	SQ. FT
STAGE II=	27,659	SQ. FT
TOTAL=	88,407	SQ. FT

PROJECT NO. 48793.3.1
 BLADEN COUNTY
 STATION: 118+81.78 -L-

SHEET 1 OF 2



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STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUPERSTRUCTURE
 BILL OF MATERIAL
 STAGE I CONSTRUCTION

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-63
1			3			TOTAL SHEETS
2			4			107

DRAWN BY: J. N. AUSTIN DATE: 7/20/20
 CHECKED BY: N. D'AIUTO DATE: 7/21/20
 DESIGN E.O.R.: P. R. HOLSHOUSER DATE: 7-23-20

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED