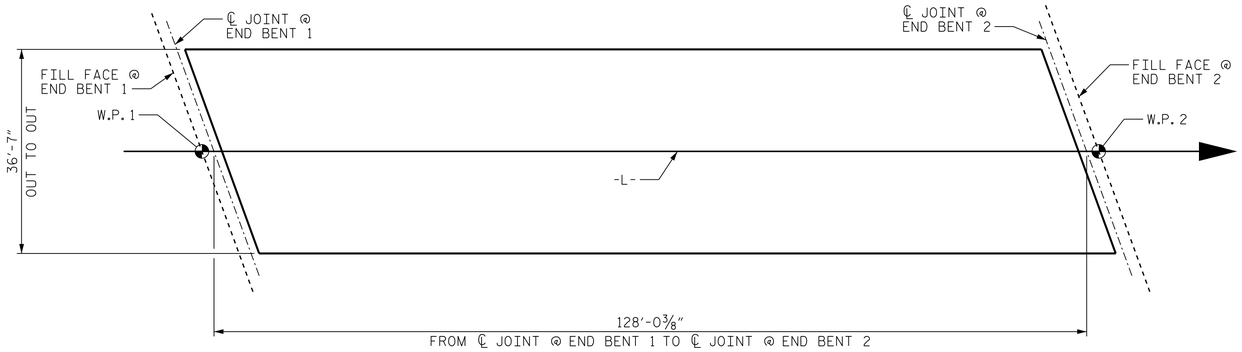


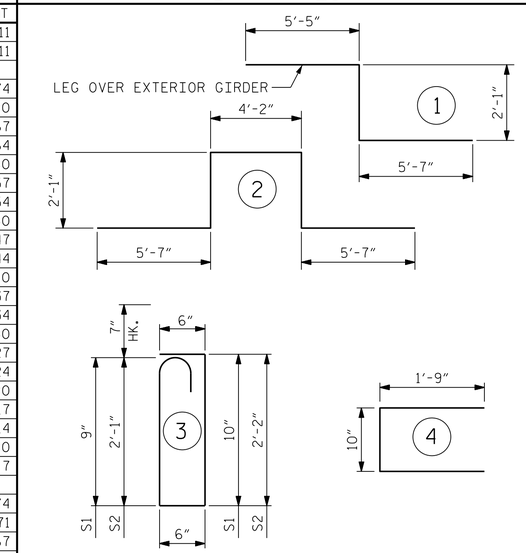
LAYOUT FOR COMPUTING AREA
REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 4,684)

SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS					
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"
#5	2'-6"	2'-2"	2'-6"	2'-2"	3'-5"
#6	3'-0"	2'-7"	3'-10"	2'-7"	4'-4"
#7	5'-3"	3'-6"			
#8	6'-10"	4'-7"			

REINFORCING BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	196	#5	STR	36'-3"	7411
A2	196	#5	STR	36'-3"	7411
*A101	2	#5	STR	35'-4"	74
*A102	2	#5	STR	33'-9"	70
*A103	2	#5	STR	32'-2"	67
*A104	2	#5	STR	30'-6"	64
*A105	2	#5	STR	28'-11"	60
*A106	2	#5	STR	27'-4"	57
*A107	2	#5	STR	25'-9"	54
*A108	2	#5	STR	24'-2"	50
*A109	2	#5	STR	22'-6"	47
*A110	2	#5	STR	20'-11"	44
*A111	2	#5	STR	19'-4"	40
*A112	2	#5	STR	17'-9"	37
*A113	2	#5	STR	16'-1"	34
*A114	2	#5	STR	14'-6"	30
*A115	2	#5	STR	12'-11"	27
*A116	2	#5	STR	11'-4"	24
*A117	2	#5	STR	9'-8"	20
*A118	2	#5	STR	8'-1"	17
*A119	2	#5	STR	6'-6"	14
*A120	2	#5	STR	4'-11"	10
*A121	2	#5	STR	3'-4"	7
A201	2	#5	STR	35'-5"	74
A202	2	#5	STR	33'-10"	71
A203	2	#5	STR	32'-3"	67
A204	2	#5	STR	30'-7"	64
A205	2	#5	STR	29'-0"	60
A206	2	#5	STR	27'-5"	57
A207	2	#5	STR	25'-9"	54
A208	2	#5	STR	24'-2"	50
A209	2	#5	STR	22'-7"	47
A210	2	#5	STR	21'-0"	44
A211	2	#5	STR	19'-5"	41
A212	2	#5	STR	17'-9"	37
A213	2	#5	STR	16'-2"	34
A214	2	#5	STR	14'-7"	30
A215	2	#5	STR	13'-0"	27
A216	2	#5	STR	11'-4"	24
A217	2	#5	STR	9'-9"	20
A218	2	#5	STR	8'-2"	17
A219	2	#5	STR	6'-7"	14
A220	2	#5	STR	5'-0"	10
A221	2	#5	STR	3'-4"	7
B1	99	#5	STR	44'-0"	4543
*B2	125	#4	STR	27'-2"	2268
*G1	2	#5	STR	38'-6"	80
*K1	8	#8	1	13'-1"	279
*K2	8	#8	2	19'-6"	417
*K3	24	#4	STR	8'-7"	138
K4	18	#6	STR	6'-5"	173
S1	12	#5	3	3'-2"	40
*S2	42	#5	3	5'-10"	256
*S3	42	#4	4	4'-4"	122

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
SPAN "A"	159.6	13,016	11,818
TOTALS**	159.6	13,016	11,818

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.

GROOVING BRIDGE FLOORS		
APPROACH SLABS	690	SQ.FT.
BRIDGE DECK	3,958	SQ.FT.
TOTAL	4,648	SQ.FT.

PROJECT NO. R-5771
HENDERSON COUNTY
STATION: 20+77.50 -L-

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER ALLYSON K. ORR
3/27/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-19
1			3			TOTAL SHEETS
2			4			29

STD. NO. BOM2

ASSEMBLED BY:	B.E. LANNING	DATE:	01/17
CHECKED BY :	A.K. ORR	DATE:	01/17
DESIGN ENGINEER OF RECORD:	A.K. ORR	DATE:	03/17
DRAWN BY : JMB 5/87	REV. 8/16/99	RWW/LES	
CHECKED BY : SJD 9/87	REV. 5/1/06	TLA/GM	
	REV. 10/1/11	MAA/GM	

3/27/2017
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