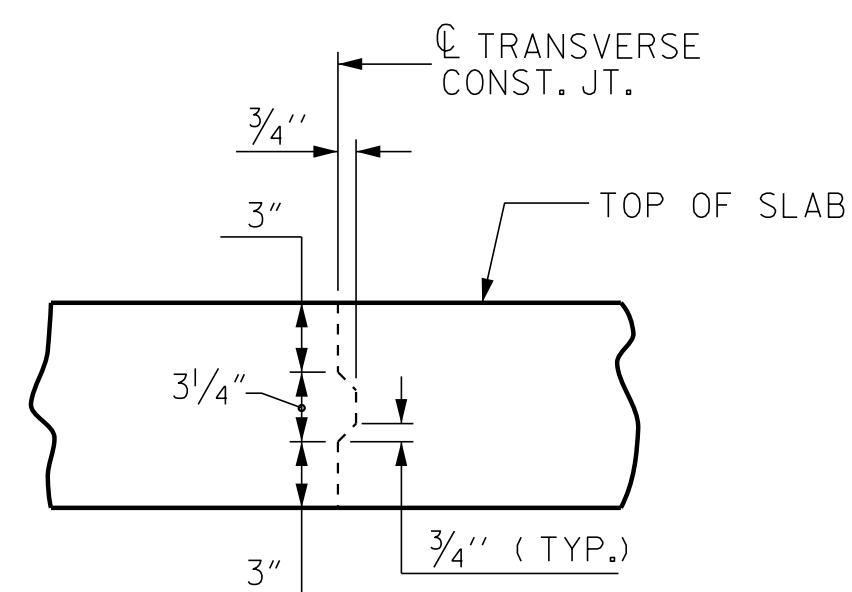


LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 11,512)

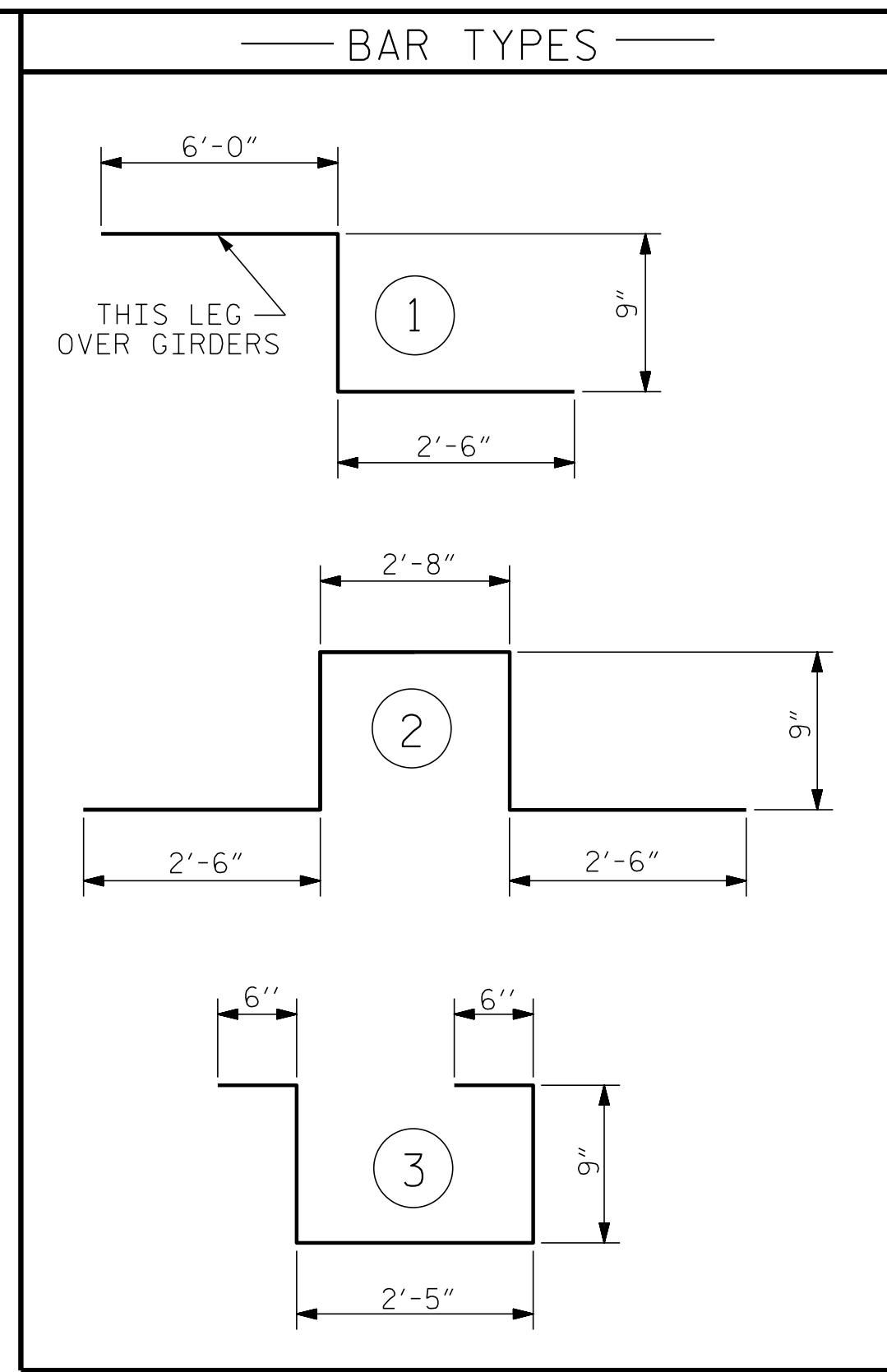


TRANSVERSE CONSTRUCTION JOINT DETAIL

NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT

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"			

GROOVING BRIDGE FLOORS	
APPROACH SLABS	885 SQ.FT.
BRIDGE DECK	9,617 SQ.FT.
TOTAL	10,502 SQ.FT.



BILL OF MATERIAL													
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT		
*A1	554	#5	STR	38'-11"	22487	A201	6	#5	STR	37'-7"	235		
A2	554	#5	STR	38'-11"	22487	A202	6	#5	STR	36'-3"	227		
*A3	6	#6	STR	23'-2"	209	A203	6	#5	STR	34'-11"	219		
						A204	6	#5	STR	33'-6"	210		
*A101	6	#5	STR	37'-7"	235	A205	6	#5	STR	32'-2"	201		
*A102	6	#5	STR	36'-3"	227	A206	6	#5	STR	30'-9"	192		
*A103	6	#5	STR	34'-11"	219	A207	6	#5	STR	29'-5"	184		
*A104	6	#5	STR	33'-6"	210	A208	6	#5	STR	28'-0"	175		
*A105	6	#5	STR	32'-2"	201	A209	6	#5	STR	26'-8"	167		
*A106	6	#5	STR	30'-9"	192	A210	6	#5	STR	25'-3"	158		
*A107	6	#5	STR	29'-5"	184	A211	6	#5	STR	23'-11"	150		
*A108	6	#5	STR	28'-0"	175	A212	6	#5	STR	22'-6"	141		
*A109	6	#5	STR	26'-8"	167	A213	6	#5	STR	21'-2"	132		
*A110	6	#5	STR	25'-3"	158	A214	6	#5	STR	19'-10"	124		
*A111	6	#5	STR	23'-11"	150	A215	6	#5	STR	18'-5"	115		
*A112	6	#5	STR	22'-6"	141	A216	6	#5	STR	17'-1"	107		
*A113	6	#5	STR	21'-2"	132	A217	6	#5	STR	15'-8"	98		
*A114	6	#5	STR	19'-10"	124	A218	6	#5	STR	14'-4"	90		
*A115	6	#5	STR	18'-5"	115	A219	6	#5	STR	12'-11"	81		
*A116	6	#5	STR	17'-1"	107	A220	6	#5	STR	11'-7"	72		
*A117	6	#5	STR	15'-8"	98	A221	6	#5	STR	10'-2"	64		
*A118	6	#5	STR	14'-4"	90	A222	6	#5	STR	8'-10"	55		
*A119	6	#5	STR	12'-11"	81	A223	6	#5	STR	7'-5"	46		
*A120	6	#5	STR	11'-7"	72	A224	6	#5	STR	6'-1"	38		
*A121	6	#5	STR	10'-2"	64	A225	6	#5	STR	4'-9"	30		
*A122	6	#5	STR	8'-10"	55	A226	6	#5	STR	3'-4"	21		
*A123	6	#5	STR	7'-5"	46								
*A124	6	#5	STR	6'-1"	38	*B1	104	#4	STR	25'-1"	1743		
*A125	6	#5	STR	4'-9"	30	*B2	152	#6	STR	54'-8"	12481		
*A126	6	#5	STR	3'-4"	21	*B3	104	#4	STR	25'-7"	1777		
						*B4	22	#4	STR	28'-6"	419		
						B5	282	#5	STR	50'-8"	14902		
						*G1	2	#5	STR	55'-1"	115		
						*K1	12	#5	1	9'-3"	116		
						*K2	12	#5	2	9'-2"	115		
						*K3	18	#5	STR	12'-7"	236		
						*S1	72	#4	3	4'-11"	236		

REINFORCING STEEL		LBS.	40,721
* EPOXY COATED REINFORCING STEEL		LBS.	43,266

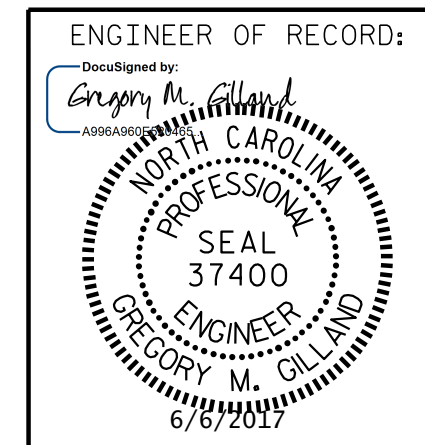
* THESE BARS ARE EPOXY COATED.

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	* EPOXY COATED REINFORCING STEEL (LBS.)
TOTALS**	379.3	40,721	43,266

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

CONCRETE BREAKDOWN	
	CLASS AA CONCRETE (CU. YDS.)
POUR #1	99.1
POUR #2	261.4
POUR #3	18.8
TOTALS	379.3

PROJECT NO. I-5786
JOHNSTON COUNTY
STATION: 17+77.11 -Y1-



ETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
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Fax: 919 851 8107
LICENSE NO. F-0377

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE
BILL OF MATERIAL

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	SO1-20	
1			3			TOTAL SHEETS	
2			4			32	

DRAWN BY: D. HODGE DATE: 4/17
CHECKED BY: B.C. HUNT DATE: 5/17

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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