SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE			REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)			(LBS.)	(LBS.)
	POUR 1	POUR 2	TOTAL		
SPANS A & B	110.0	136.0	246.0	28,708	25,985
TOTALS **	110.0	136.0	246.0	28,708	25,985

** QUANTITIES FOR BRIDGE RAIL NOT INCLUDED

GROOVING BRIDGE FLOORS

APPROACH SLABS	827	SQ.FT.
BRIDGE DECK	6,729	SQ.FT.
TOTAL	7,556	SQ.FT.

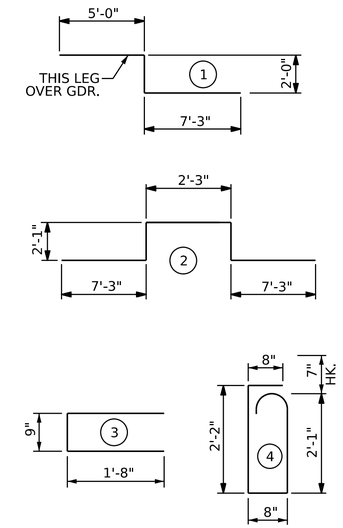
BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	349	5	STR.	39'-10"	14500	* A129	2	5	STR.	8'-0"	17	A224	2	5	STR.	13'-7"	28
A2	349	5	STR.	39'-10"	14500	* A130	2	5	STR.	6'-11"	14	A225	2	5	STR.	12'-5"	26
						* A131	2	5	STR.	5'-9"	12	A226	2	5	STR.	11'-4"	24
* A101	2	5	STR.	39'-1"	82	* A132	2	5	STR.	4'-8"	10	A227	2	5	STR.	10'-3"	21
* A102	2	5	STR.	37'-11"	79	* A133	2	5	STR.	3'-7"	7	A228	2	5	STR.	9'-1"	19
* A103	2	5	STR.	36'-10"	77	* A134	2	5	STR.	2'-6"	5	A229	2	5	STR.	8'-0"	17
* A104	2	5	STR.	35'-9"	75	* A135	2	5	STR.	1'-4"	3	A230	2	5	STR.	6'-11"	14
* A105	2	5	STR.	34'-7"	72							A231	2	5	STR.	5'-9"	12
* A106	2	5	STR.	33'-6"	70	A201	2	5	STR.	39'-1"	82	A232	2	5	STR.	4'-8"	10
* A107	2	5	STR.	32'-5"	68	A202	2	5	STR.	37'-11"	79	A233	2	5	STR.	3'-7"	7
* A108	2	5	STR.	31'-3"	65	A203	2	5	STR.	36'-10"	77	A234	2	5	STR.	2'-6"	5
* A109	2	5	STR.	30'-2"	63	A204	2	5	STR.	35'-9"	75	A235	2	5	STR.	1'-4"	3
* A110	2	5	STR.	29'-1"	61	A205	2	5	STR.	34'-7"	72						
* A111	2	5	STR.	27'-11"	58	A206	2	5	STR.	33'-6"	70	* B1	58	4	STR.	32'-3"	1249
* A112	2	5	STR.	26'-10"	56	A207	2	5	STR.	32'-5"	68	B2	250	5	STR.	40'-2"	10473
* A113	2	5	STR.	25'-9"	54	A208	2	5	STR.	31'-3"	65	* B3	165	5	STR.	24'-7"	4231
* A114	2	5	STR.	24'-8"	51	A209	2	5	STR.	30'-2"	63	* B4	52	5	STR.	39'-6"	2142
* A115	2	5	STR.	23'-6"	49	A210	2	5	STR.	29'-1"	61	* B5	58	4	STR.	33'-4"	1291
* A116	2	5	STR.	22'-5"	47	A211	2	5	STR.	27'-11"	58	B6	44	5	STR.	49'-3"	2260
* A117	2	5	STR.	21'-4"	45	A212	2	5	STR.	26'-10"	56						
* A118	2	5	STR.	20'-2"	42	A213	2	5	STR.	25'-9"	54	* G1	2	5	STR.	43'-8"	91
* A119	2	5	STR.	19'-1"	40	A214	2	5	STR.	24'-8"	51						
* A120	2	5	STR.	18'-0"	38	A215	2	5	STR.	23'-6"	49	* K1	4	8	1	14'-3"	152
* A121	2	5	STR.	16'-10"	35	A216	2	5	STR.	22'-5"	47	* K2	6	8	2	20'-11"	335
* A122	2	5	STR.	15'-9"	33	A217	2	5	STR.	21'-4"	45	* K3	8	6	STR.	6'-7"	79
* A123	2	5	STR.	14'-8"	31	A218	2	5	STR.	20'-2"	42						
* A124	2	5	STR.	13'-7"	28	A219	2	5	STR.	19'-1"	40	* S1	48	5	4	6'-2"	309
* A125	2	5	STR.	12'-5"	26	A220	2	5	STR.	18'-0"	38	* S2	48	4	3	4'-1"	131
* A126	2	5	STR.	11'-4"	24	A221	2	5	STR.	16'-10"	35						
* A127	2	5	STR.	10'-3"	21	A222	2	5	STR.	15'-9"	33						
* A128	2	5	STR.	9'-1"	19	A223	2	5	STR.	14'-8"	31						

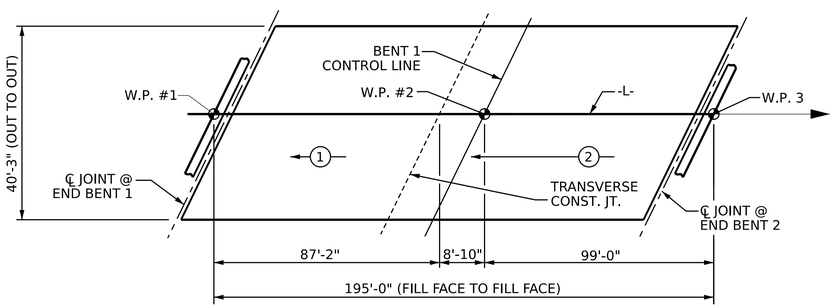
REINFORCING STEEL 28,708 LBS.

* EPOXY COATED REINFORCING STEEL 25,985 LBS.

BAR TYPES

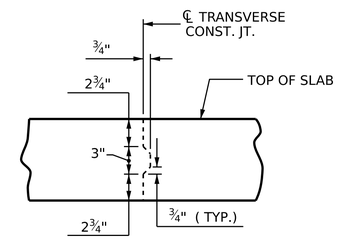


ALL BAR DIMENSIONS ARE OUT TO OUT



POUR SEQUENCE

POUR NUMBER ◯

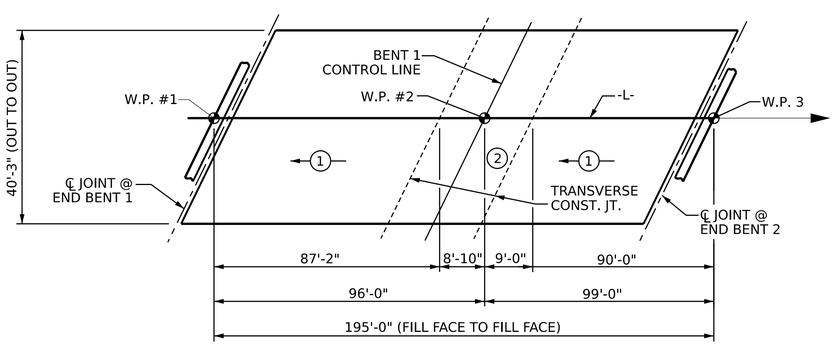


TRANSVERSE CONSTRUCTION JOINT DETAIL

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, 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"			

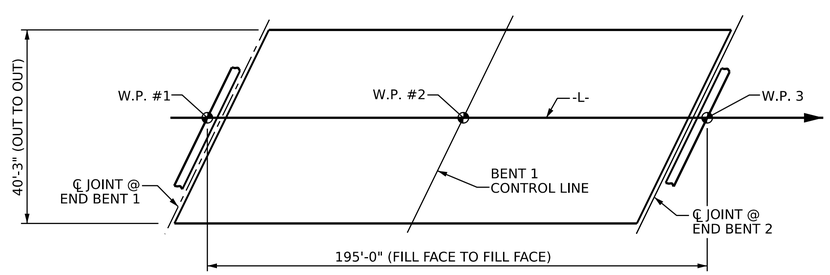


OPTIONAL POUR SEQUENCE

POUR NUMBER ◯

POUR (2) CAN NOT BE STARTED UNTIL BOTH ADJACENT POURS (1) REACHED A MINIMUM OF 3000 PSI

◄—◯— POUR DIRECTION



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 7,753)

PROJECT NO. BR-0095
ROCKINGHAM COUNTY
STATION: 16+91.66 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

NORTH CAROLINA PROFESSIONAL SEAL 36871 ENGINEER FRANCESCA LEA

DocuSigned by: Francesca Lea
11/16/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS							SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:		S-18
1			3				TOTAL SHEETS
2			4				29

ASSEMBLED BY :	Q. T. NGUYEN	DATE :	05/2023
CHECKED BY :	F. LEA	DATE :	08/2023
DRAWN BY :	JMB 5/87	REV. 10/1/11	MAA/GM
CHECKED BY :	SJD 9/87	REV. 12/17	MAA/THC
		REV. 06/19	BNB/THC

11/8/2023
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ttnguyen1

STD. NO. BOM2