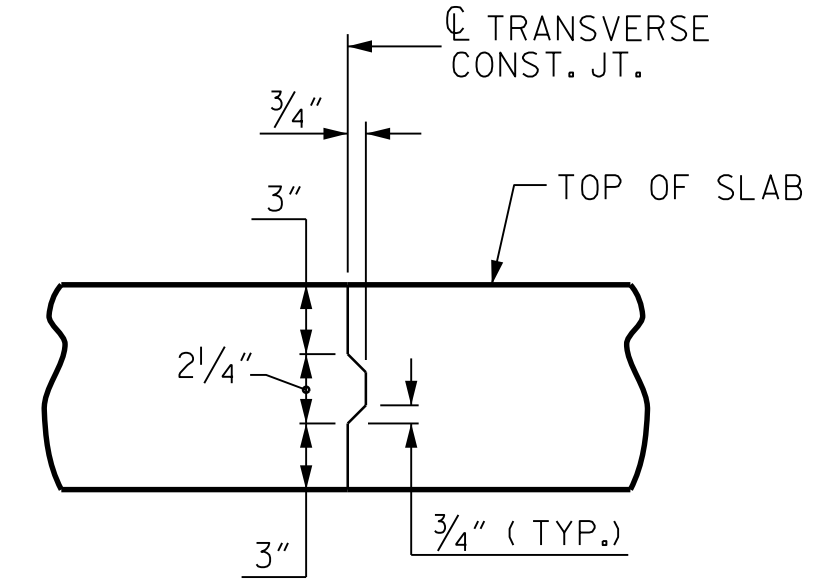


**SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS**

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"			



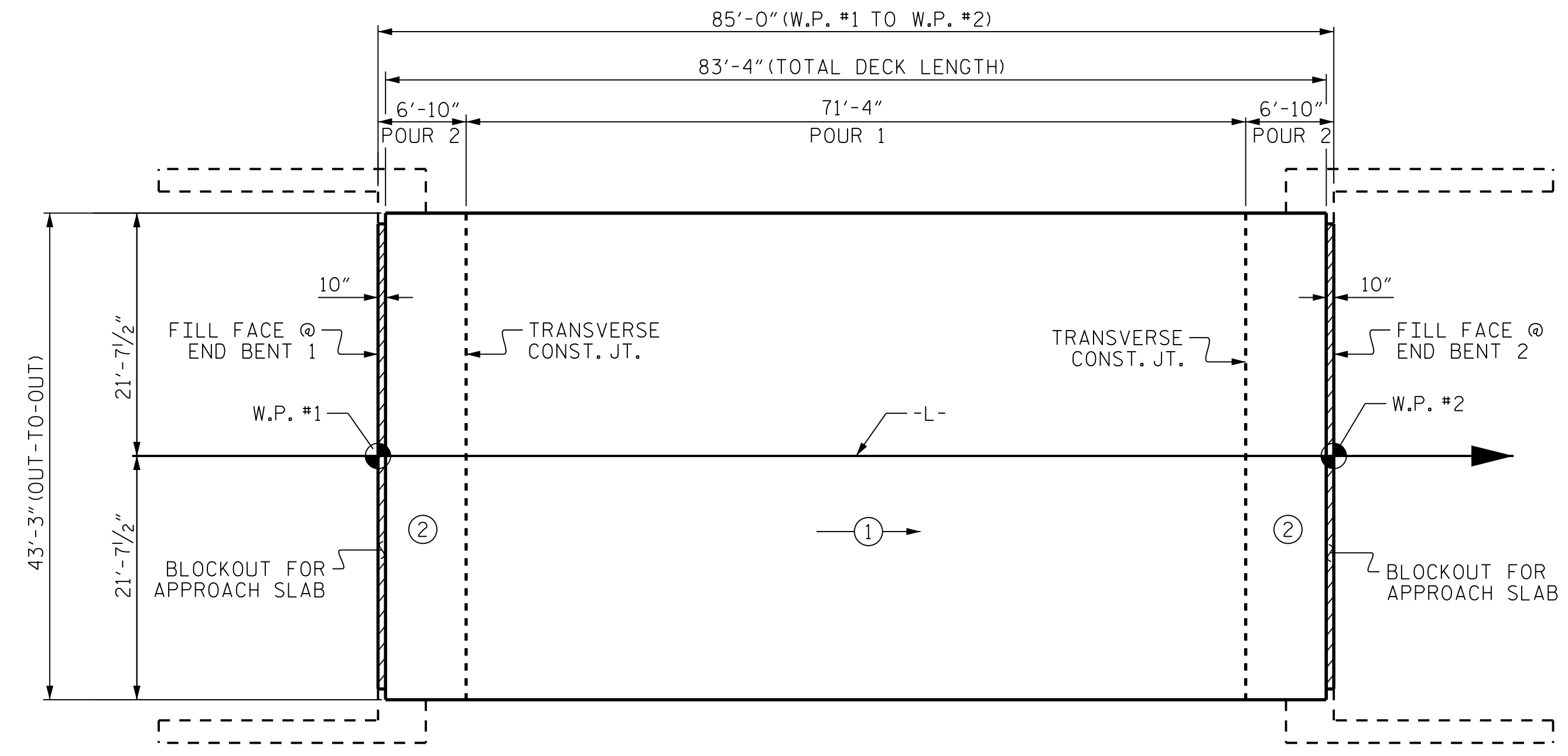
**TRANSVERSE CONSTRUCTION JOINT DETAIL**

BAR TYPES						BILL OF MATERIAL					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	167	#5	STR	42'-11"	7475	*B1	124	#4	STR	23'-2"	1919
A2	167	#5	STR	42'-11"	7475	*B2	112	#6	STR	17'-0"	2860
						B3	106	#5	STR	42'-9"	4726
						K1	16	#4	STR	22'-3"	238
						K2	10	#4	STR	5'-2"	35
						K3	20	#4	STR	6'-5"	86
						K4	10	#4	STR	5'-8"	38
						K5	4	#4	STR	2'-0"	5
						K6	8	#4	STR	2'-8"	14
						K7	8	#4	STR	2'-3"	6
						S1	68	#4	1	10'-5"	473
						S2	4	#4	1	9'-10"	26
						*S3	68	#4	2	11'-11"	541
						*S4	68	#4	2	11'-7"	526
REINFORCING STEEL = 13,122 LBS											
*EPOXY COATED REINF. STEEL = 13,322 LBS											

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR 1	96.4		
POUR 2	64.6		
TOTAL *	161.0	13,122	13,322

\*\* QUANTITY FOR BARRIER RAILS ARE NOT INCLUDED

GROOVING BRIDGE FLOORS	
APPROACH SLABS	1,048 SQ.FT.
BRIDGE DECK	3,071 SQ.FT.
TOTAL	4,119 SQ.FT.



POURING SEQUENCE AND LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 3,604)

PROJECT NO. B-5624  
BRUNSWICK COUNTY  
 STATION: 17+46.00 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUPERSTRUCTURE  
 BILL OF MATERIAL & POUR SEQUENCE

**CDM Smith**  
 CDM SMITH  
 5400 Glenwood Avenue, Suite 400  
 Raleigh, NC 27612-3228  
 NC COA No. F-1255

PROFESSIONAL SEAL  
 16301  
 ENGINEER  
 TING FANG  
 2/14/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	DRAWN BY: JJR DATE: 9/20	CHECKED BY: THF DATE: 10/20	DESIGN ENGINEER: VDK DATE: 11/20	DWG. No.
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-13
1			3			TOTAL SHEETS
2			4			20