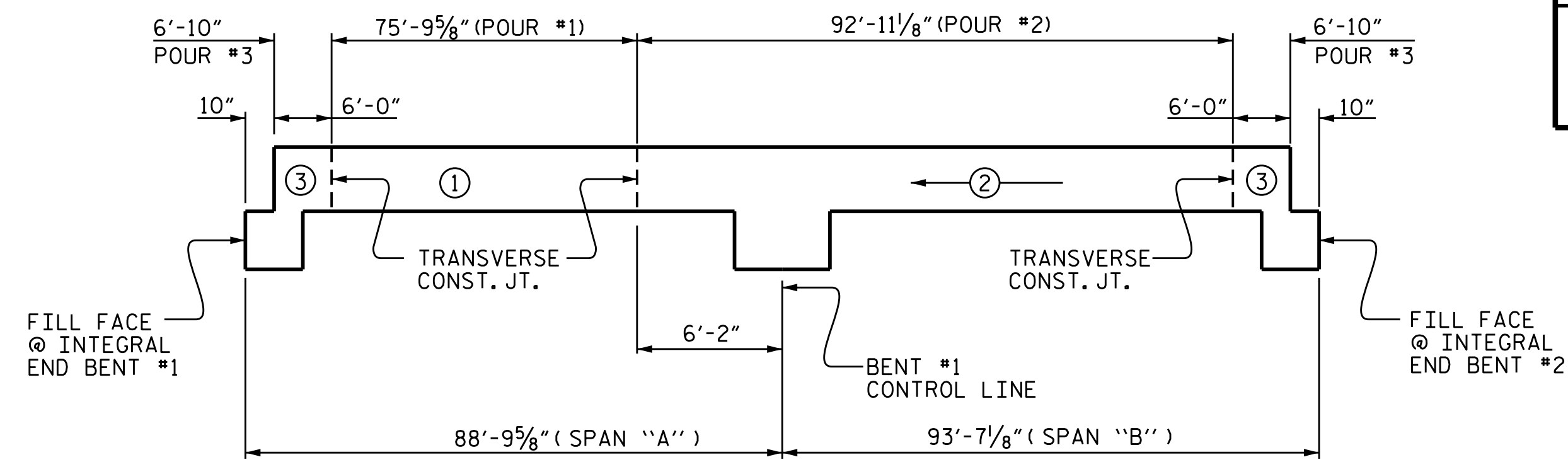


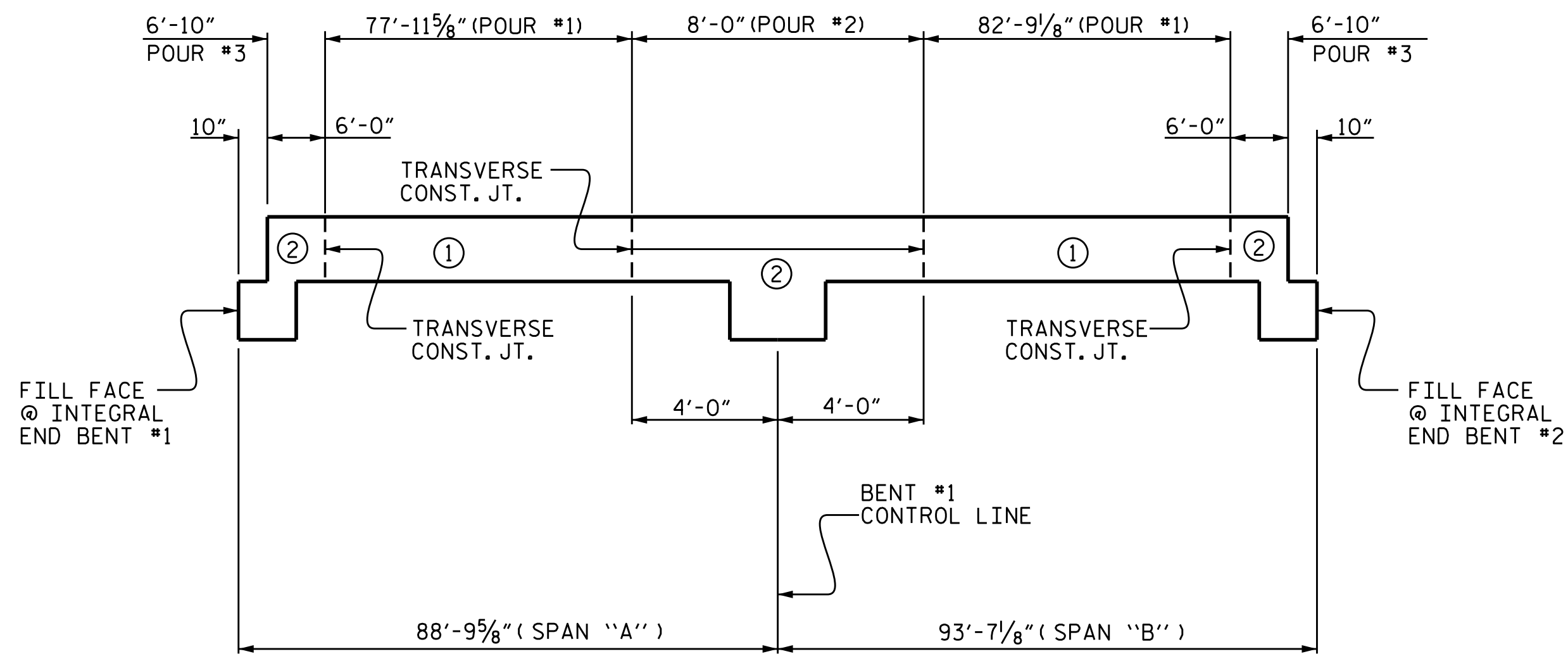
**GROOVING BRIDGE FLOORS**

APPROACH SLABS	1,135 SQ.FT.
BRIDGE DECK	4,149 SQ.FT.
<b>TOTAL</b>	<b>5,284 SQ.FT.</b>



**POURING SEQUENCE**

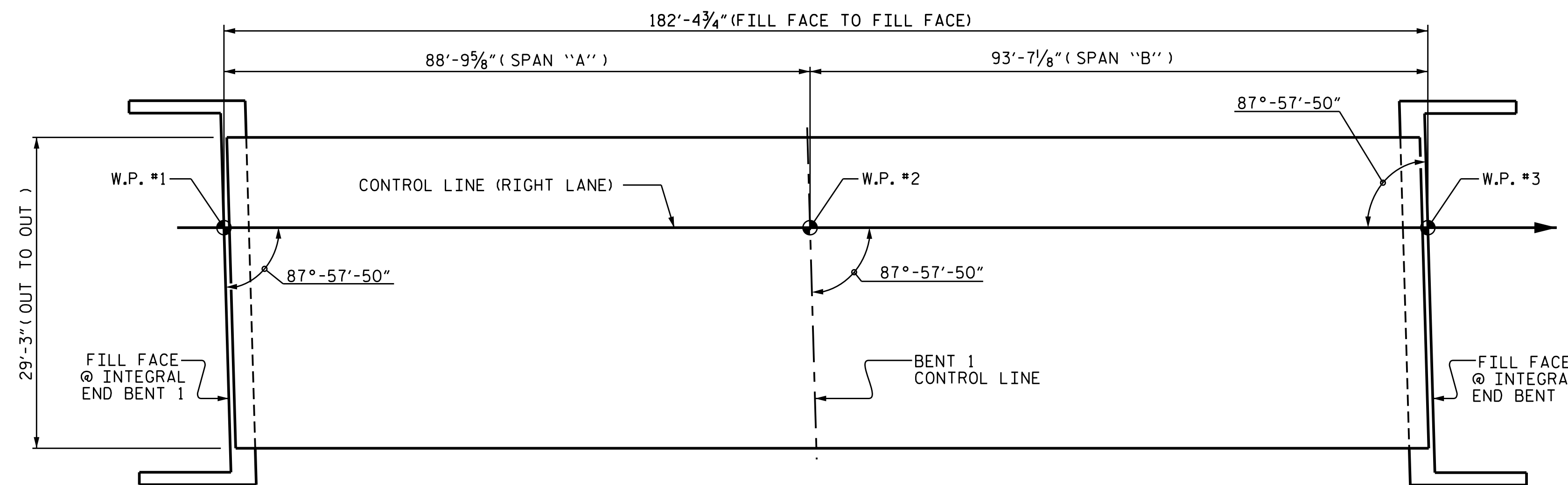
POUR (3) INCLUDES 6'-10" SECTION OF TH BRIDGE DECK AND UPPER PART OF INTEGRAL END BENTS AND WINGS.



**OPTIONAL POURING SEQUENCE**

POUR (2) CAN NOT BE POURED UNTIL BOTH ADJACENT (1) POURS REACH A MINIMUM STRENGTH OF 3000 PSI.

AT END BENTS POUR (2) INCLUDES 6'-10" SECTION OF THE BRIDGE DECK AND UPPER PART OF INTEGRAL END BENTS AND WINGS.

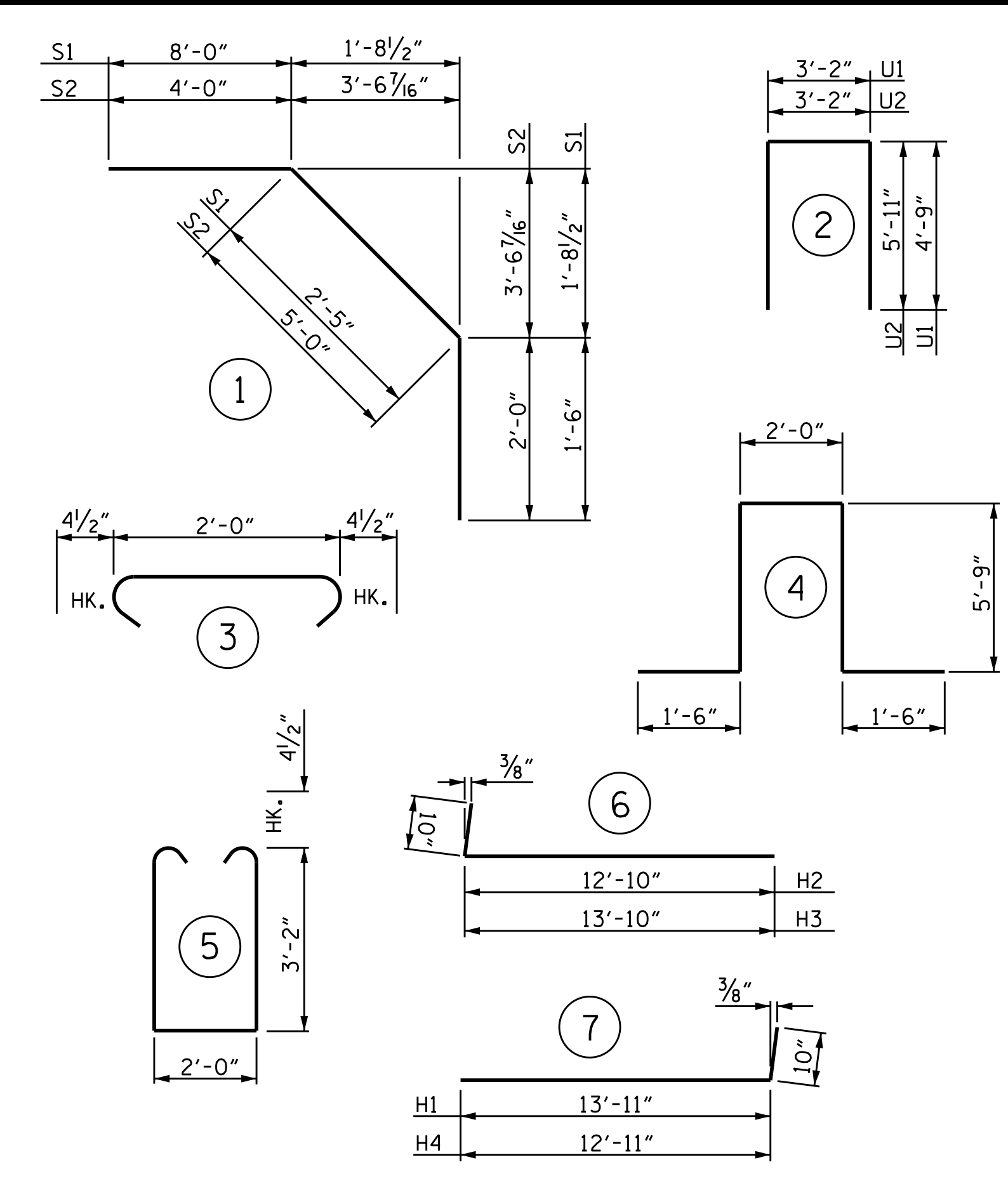


LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 5,335)

**BILL OF MATERIAL**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	308	#5	STR.	28'-11"	9,289
*A101	2	#5	STR.	14'-1"	29
A2	308	#5	STR.	28'-11"	9,289
A201	2	#5	STR.	14'-1"	29
*B1	40	#4	STR.	29'-11"	799
*B2	60	#4	STR.	21'-11"	878
*B3	76	#6	STR.	18'-9"	2,140
*B4	38	#6	STR.	27'-6"	1,570
*B5	60	#6	STR.	23'-8"	2,133
B6	104	#5	STR.	46'-9"	5,071
H1	24	#5	7	14'-9"	369
H2	24	#5	6	13'-8"	342
H3	24	#5	6	14'-8"	367
H4	24	#5	7	13'-9"	344
K1	24	#4	STR.	18'-5"	295
K2	4	#4	STR.	6'-7"	18
K3	16	#4	STR.	9'-7"	102
K4	4	#4	STR.	8'-0"	21
K5	16	#4	STR.	2'-8"	29
K6	4	#4	STR.	5'-0"	13
K7	16	#4	STR.	6'-6"	69
K8	4	#4	STR.	5'-9"	15
K9	6	#4	STR.	21'-0"	84
K10	4	#4	STR.	6'-7"	18
K11	16	#4	STR.	9'-7"	102
K12	4	#4	STR.	6'-10"	18
*S1	44	#4	1	11'-11"	350
*S2	40	#4	1	11'-0"	294
S3	78	#4	3	2'-9"	143
S4	4	#4	5	9'-1"	24
U1	44	#4	2	12'-8"	372
U2	12	#4	2	15'-0"	120
*U3	14	#4	4	16'-6"	154
V1	18	#4	STR.	5'-3"	63
V2	52	#5	STR.	6'-2"	334
V3	48	#5	STR.	6'-0"	300
REINFORCING STEEL					17,951 LBS.
* EPOXY COATED REINFORCING STEEL					17,636 LBS.

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT

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

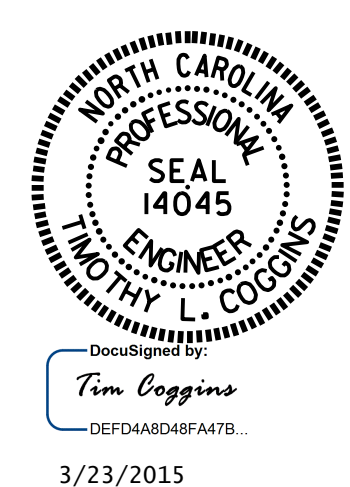
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"
#5	2'-6"	2'-2"	2'-6"	2'-2"	3'-5"
#6	3'-0"	2'-7"	3'-10"	2'-7"	4'-4"
#7	5'-3"	3'-6"			
#8	6'-10"	4'-7"			

**SUPERSTRUCTURE BILL OF MATERIAL**

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR #1	74.1		
POUR #2	100.3	17,951	17,636
POUR #3	69.0		
<b>TOTALS**</b>	<b>243.4</b>	<b>17,951</b>	<b>17,636</b>

\*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.  
 POUR #3 QUANTITY INCLUDES UPPER POUR OF WINGS AND INTEGRAL END BENT.

PROJECT NO. R-2514D  
 JONES & CRAVEN COUNTY  
 STATION: 28+29.35 -Y10-

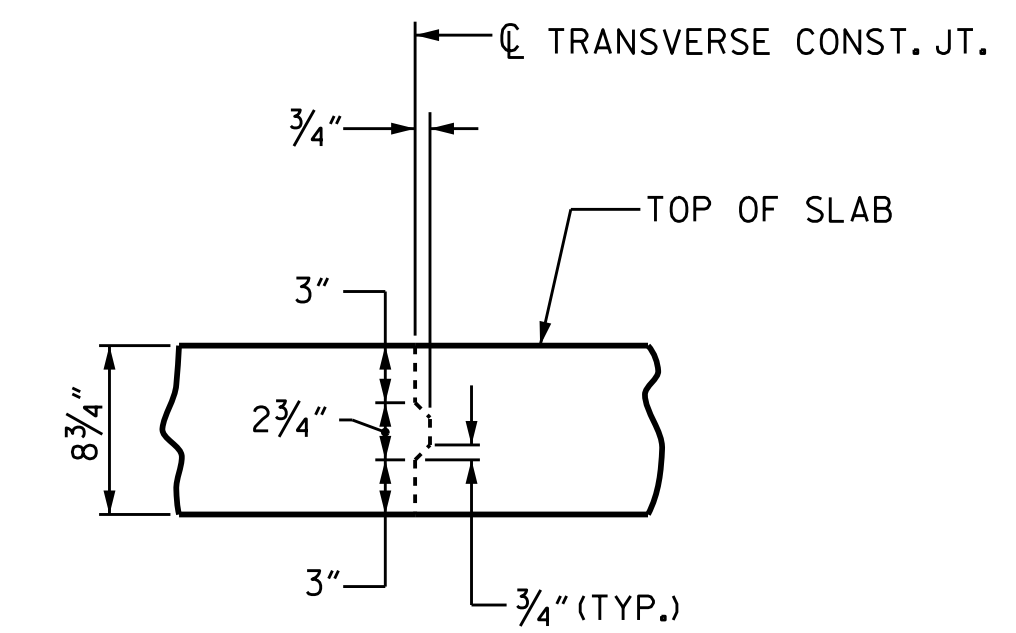


STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**STANDARD SUPERSTRUCTURE BILL OF MATERIAL (RIGHT LANE)**

REVISIONS						SHEET NO. S16-019
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 30
2			4			

**TRANSVERSE CONSTRUCTION JOINT DETAIL**

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



ASSEMBLED BY: M.D.PISO	DATE: 09-15-14
CHECKED BY: K.P.SEDA	DATE: 09-25-14
DESIGN ENGINEER OF RECORD: G.KOUICHEK	DATE: 02/2015
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