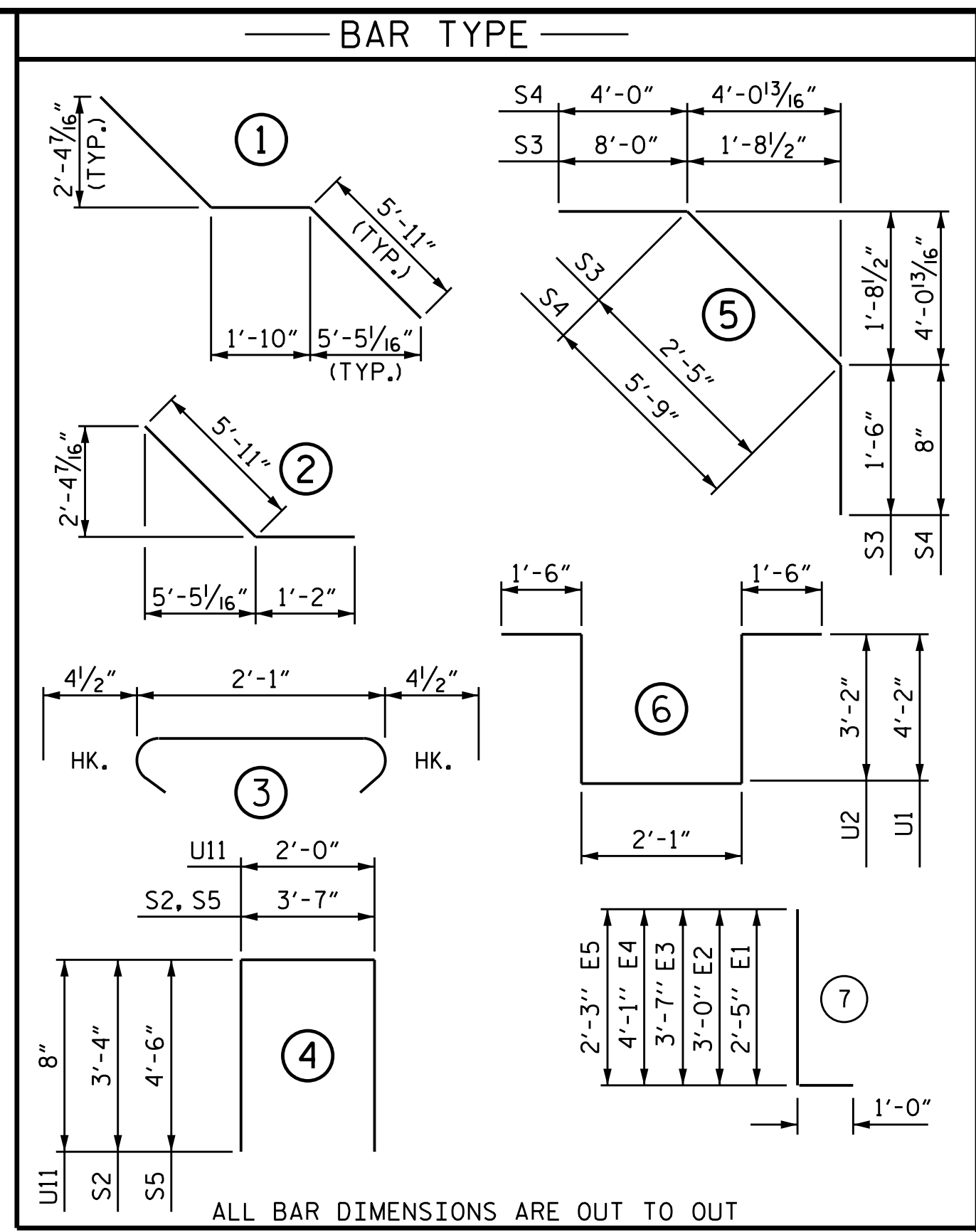


**TRANSVERSE CONSTRUCTION JOINT DETAIL**

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

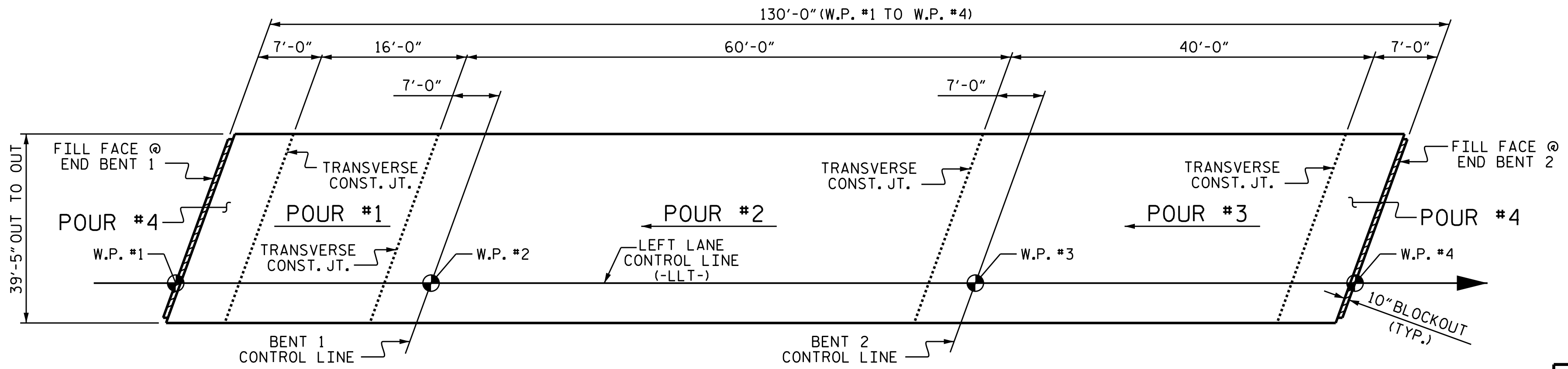
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

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"			

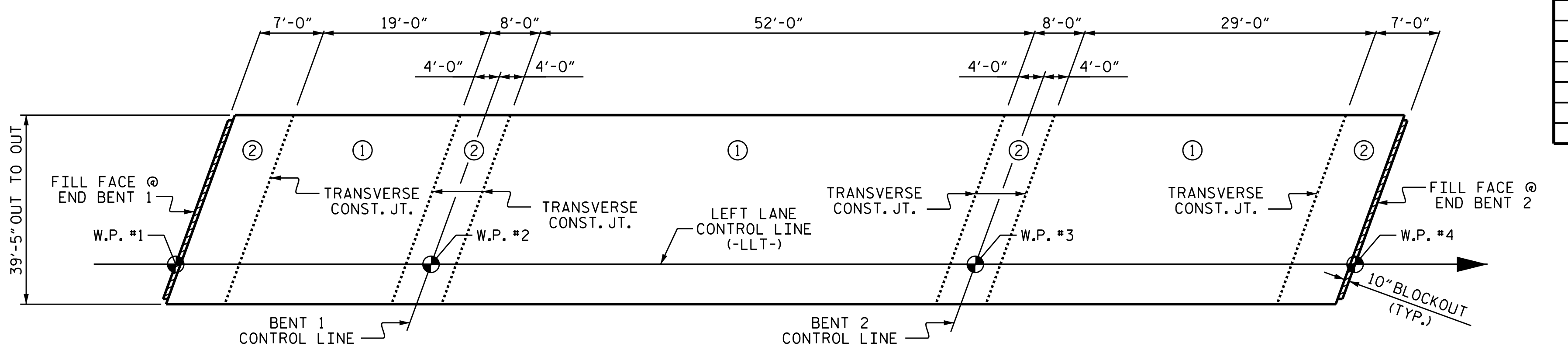


ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL											
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	273	#5	STR	39'-1"	11129	*B7	51	#5	STR	15'-0"	798
A2	273	#5	STR	39'-1"	11129	*B8	27	#4	STR	15'-2"	274
						B9	183	#5	STR	44'-1"	8414
						*B11	30	#4	STR	27'-3"	546
*A101	4	#5	STR	37'-2"	155						
*A102	4	#5	STR	34'-11"	146						
*A103	4	#5	STR	32'-7"	136	*G11	131	#4	STR	6'-3"	547
*A104	4	#5	STR	30'-4"	127						
*A105	4	#5	STR	28'-0"	117	*E1	4	#7	7	3'-5"	28
*A106	4	#5	STR	25'-9"	107	*E2	4	#7	7	4'-0"	33
*A107	4	#5	STR	23'-5"	98	*E3	4	#7	7	4'-7"	37
*A108	4	#5	STR	21'-2"	88	*E4	4	#7	7	5'-1"	42
*A109	4	#5	STR	18'-10"	79	*E5	2	#7	7	3'-3"	13
*A110	4	#5	STR	16'-7"	69						
*A111	4	#5	STR	14'-3"	59	*F1	2	#6	STR	3'-1"	9
*A112	4	#5	STR	12'-0"	50	*F2	4	#6	STR	3'-6"	21
*A113	4	#5	STR	9'-8"	40	*F3	2	#6	STR	4'-3"	13
*A114	4	#5	STR	7'-5"	31	*F4	2	#6	STR	3'-1"	9
*A115	4	#5	STR	5'-2"	22	*F5	4	#6	STR	3'-10"	23
*A116	4	#5	STR	2'-10"	12	*F6	2	#6	STR	3'-9"	11
A201	4	#5	STR	37'-2"	155	K1	16	#4	STR	21'-9"	232
A202	4	#5	STR	34'-11"	146	K2	18	#4	STR	10'-0"	120
A203	4	#5	STR	32'-7"	136	K3	6	#4	STR	9'-4"	37
A204	4	#5	STR	30'-4"	127	K4	36	#4	STR	10'-8"	257
A205	4	#5	STR	28'-0"	117	K5	4	#4	STR	2'-4"	6
A206	4	#5	STR	25'-9"	107	K6	4	#4	STR	2'-1"	6
A207	4	#5	STR	23'-5"	98	K7	8	#4	STR	2'-8"	14
A208	4	#5	STR	21'-2"	88	K9	12	#4	STR	8'-1"	65
A209	4	#5	STR	18'-10"	79	K10	16	#4	1	13'-8"	146
A210	4	#5	STR	16'-7"	69	K11	16	#4	2	7'-1"	76
A211	4	#5	STR	14'-3"	59						
A212	4	#5	STR	12'-0"	50	S1	168	#4	3	2'-10"	318
A213	4	#5	STR	9'-8"	40	S2	68	#4	4	10'-3"	466
A214	4	#5	STR	7'-5"	31	*S3	72	#4	5	11'-11"	573
A215	4	#5	STR	5'-2"	22	*S4	64	#4	5	10'-5"	445
A216	4	#5	STR	2'-10"	12	S5	4	#4	4	12'-7"	34
*B1	208	#5	STR	10'-10"	2350	U1	48	#4	6	13'-5"	430
*B2	27	#4	STR	8'-2"	147	U2	12	#4	6	11'-5"	92
*B3	53	#5	STR	37'-0"	2045	*U11	40	#4	4	3'-4"	89
*B4	51	#5	STR	13'-6"	718						
*B5	27	#4	STR	18'-0"	325	REINFORCING STEEL				LBS.	23,178
*B6	53	#5	STR	40'-0"	2211	* EPOXY COATED REINFORCING STEEL				LBS.	23,772



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB & POURING SEQUENCE (SQ. FT. = 5,124)



OPTIONAL DECK POURING DETAIL

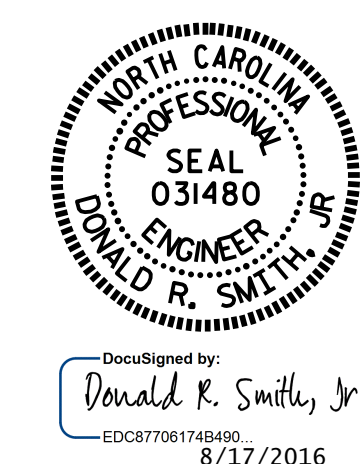
POUR ② SHALL NOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3,000 PSI

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	20.8		
POUR #2	90.0		
POUR #3	63.3		
POUR #4	58.3		
SIDEWALK	22.4		
END POSTS	0.9		
TOTAL **	255.7	23,178	23,772

\*\* QUANTITIES FOR CONCRETE BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS	
APPROACH SLABS	1,350 SQ. FT.
BRIDGE DECK	3,580 SQ. FT.
TOTAL	4,930 SQ. FT.

PROJECT NO. U-3440  
CABARRUS COUNTY  
STATION: 68+25.60 -L-



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
SUPERSTRUCTURE  
BILL OF MATERIAL  
(LEFT LANE)

DRAWN BY: K.D. LAYNE DATE: 12/04/15  
CHECKED BY: J.D. HAWK DATE: 12/18/15  
DESIGN ENGINEER OF RECORD: T.R. PETERSON DATE: 6/20/16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS				SHEET NO.
NO.	BY:	DATE:	NO.	DATE:
1			3	
2			4	

TOTAL SHEETS: 37