

TRANSVERSE CONSTRUCTION JOINT DETAIL

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

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,497 SQ. FT.
BRIDGE DECK	6,137 SQ. FT.
TOTAL	7,634 SQ. FT.

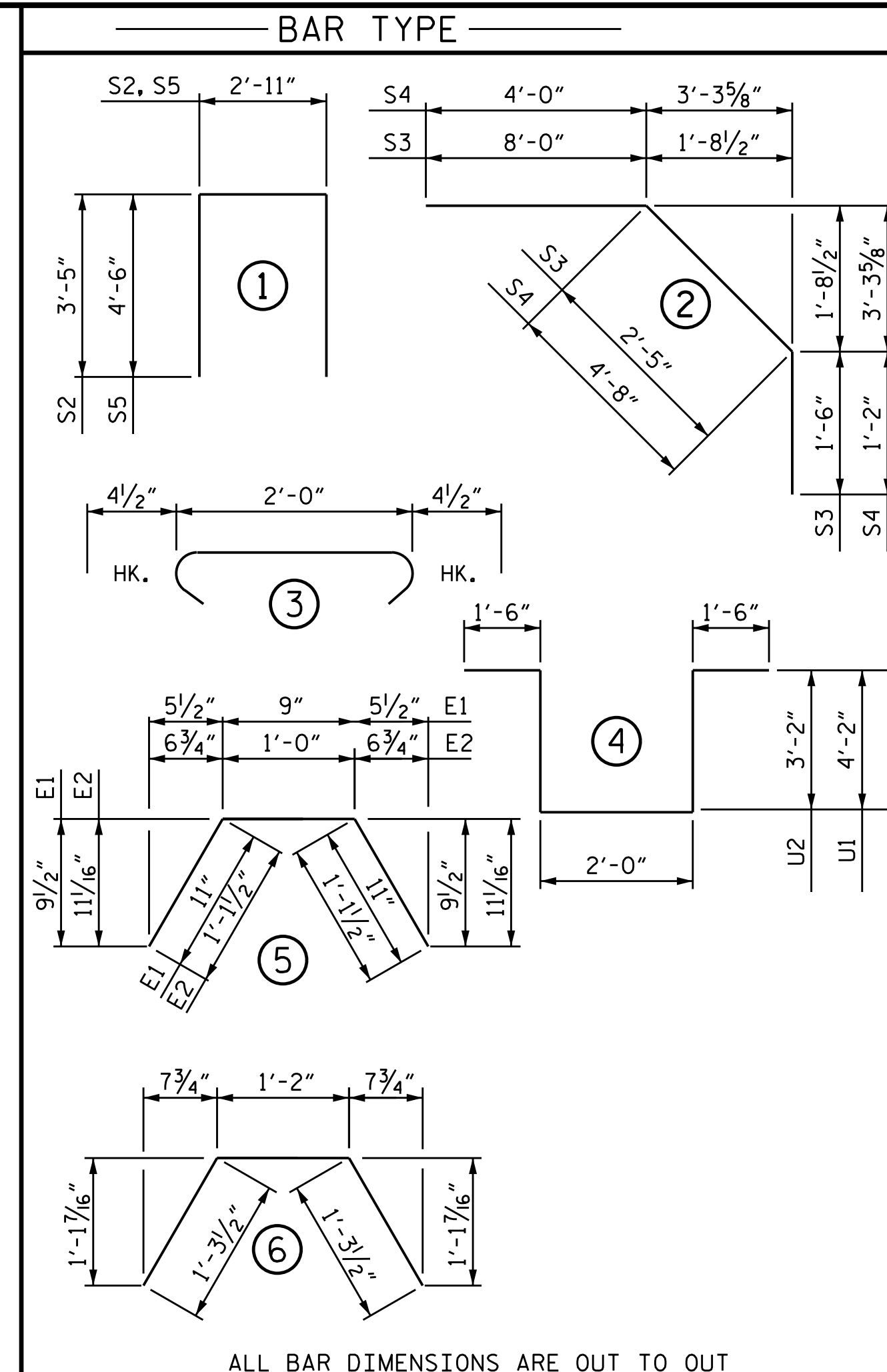
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

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	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	57.0		
POUR #2	92.3		
POUR #3	89.9		
POUR #4	63.2		
TOTAL **	302.4	28,838	27,148

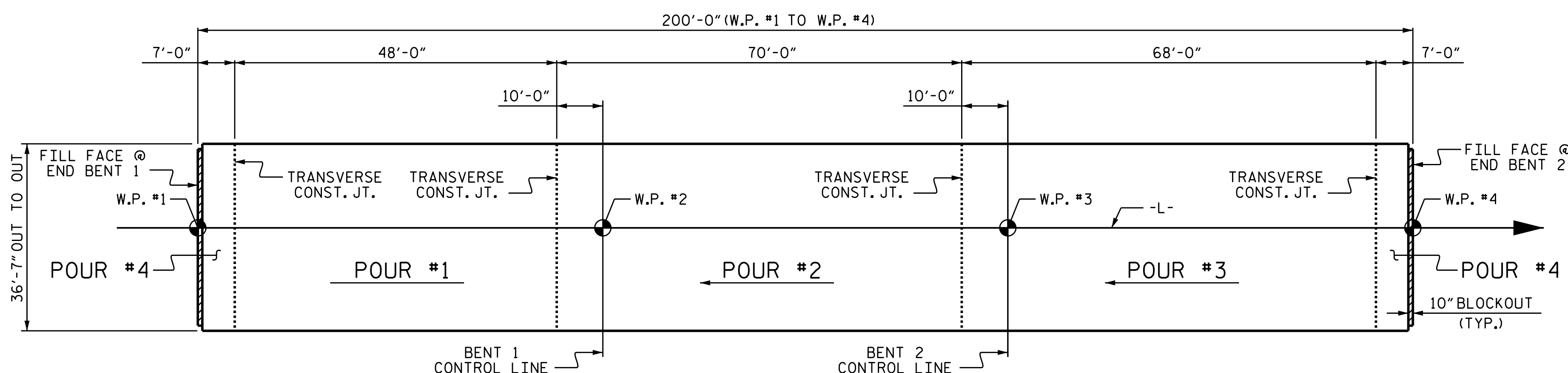
** QUANTITIES FOR CONCRETE PARAPET AND END POSTS ARE NOT INCLUDED



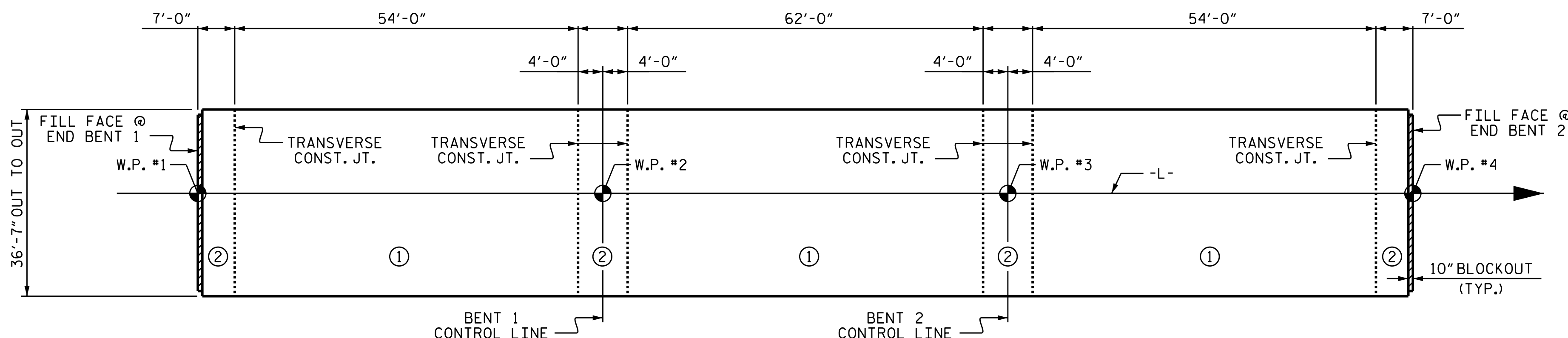
ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BAR NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	397	#5	STR 36'-3"	15010
A2	397	#5	STR 36'-3"	15010
*B1	98	#5	STR 50'-6"	5162
*B2	96	#5	STR 20'-3"	2028
*B3	194	#5	STR 12'-10"	2597
*B4	100	#4	STR 16'-4"	1091
*B5	25	#4	STR 22'-0"	367
B6	196	#5	STR 51'-2"	10460
E1	16	#4	5 2'-7"	28
E2	32	#4	5 3'-3"	69
E3	16	#4	6 3'-9"	40
H1	80	#5	STR 13'-5"	1119
K1	16	#4	STR 22'-1"	236
K2	12	#4	STR 6'-6"	52
K3	36	#4	STR 9'-0"	216
K4	18	#4	STR 8'-3"	99
K5	16	#4	STR 16'-6"	176
K6	4	#4	STR 5'-2"	14
K7	8	#4	STR 5'-10"	31
K8	4	#4	STR 5'-5"	14
K9	16	#4	STR 2'-8"	29
K10	6	#4	STR 7'-9"	31
S1	146	#4	3 2'-9"	268
S2	56	#4	1 9'-9"	365
*S3	66	#4	2 11'-11"	525
*S4	56	#4	2 9'-10"	368
S5	16	#4	1 11'-11"	127
U1	38	#4	4 13'-4"	338
U2	12	#4	4 11'-4"	91
U3	4	#4	4 9'-4"	25
REINFORCING STEEL			LBS.	28,838
* EPOXY COATED REINFORCING STEEL			LBS.	27,148



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB & POURING SEQUENCE (SQ. FT. = 7,317)



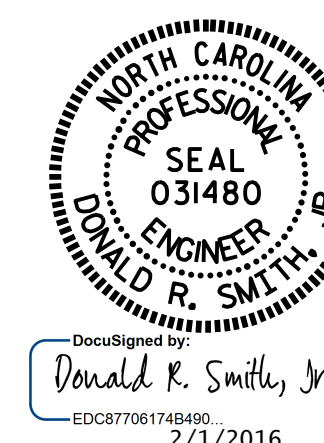
OPTIONAL DECK POURING DETAIL

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

DRAWN BY : K. D. LAYNE DATE : 4-29-15
 CHECKED BY : J. D. HAWK DATE : 5-12-15
 DESIGN ENGINEER OF RECORD : T. H. CARROLL DATE : 8-18-15

27-JAN-2016 12:59
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 jdhawk

PROJECT NO. B-5142
IREDELL COUNTY
 STATION: 22+06.00 -L-



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

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-23
1			3			TOTAL SHEETS
2			4			38