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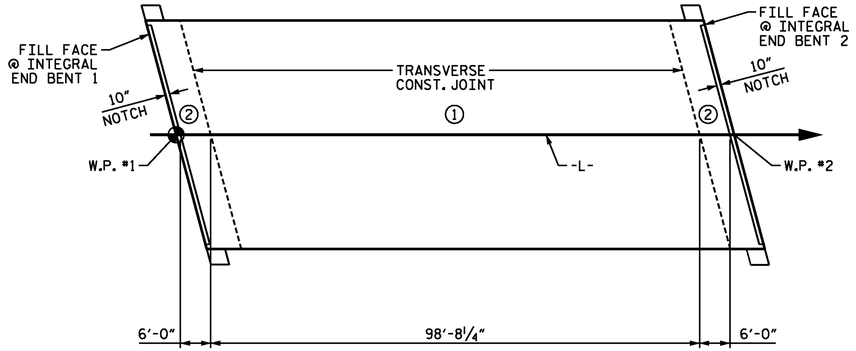
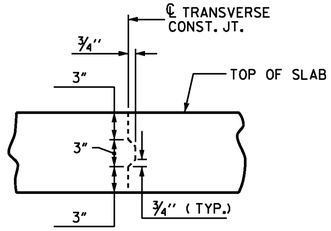


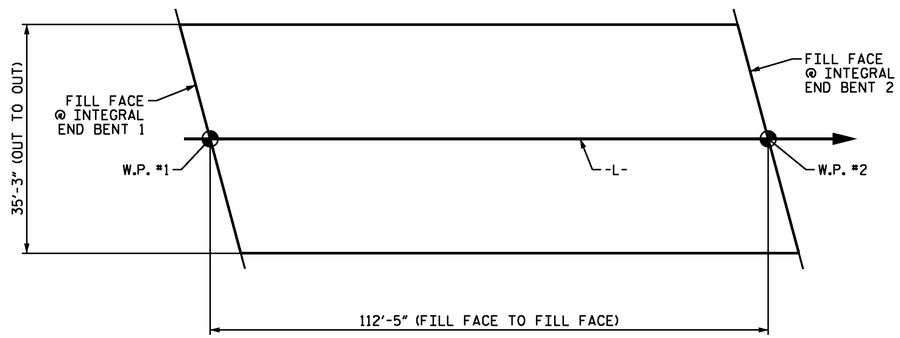
POURING SEQUENCE

POUR ② CANNOT BE STARTED UNTIL ADJACENT ① POURS REACH A MINIMUM OF 3000 PSI.



TRANSVERSE CONSTRUCTION JOINT DETAIL

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



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 3,963)

BILL OF MATERIAL

SPAN A

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✱ A1	187	#5	STR	34'-11"	6,810	B1	76	#5	STR	56'-4"	4,465
A2	187	#5	STR	34'-11"	6,810	✱ B2	93	#6	STR	38'-10"	5,424
✱ A3	384	#4	1	9'-0"	2,309	✱ B3	60	#6	STR	22'-6"	2,028
✱ A101	2	#5	STR	33'-4"	70	K1	10	#6	STR	44'-2"	663
✱ A102	2	#5	STR	31'-4"	65	K2	6	#6	STR	7'-7"	68
✱ A103	2	#5	STR	29'-3"	61	K3	6	#6	STR	8'-5"	76
✱ A104	2	#5	STR	27'-3"	57	K4	12	#6	STR	8'-7"	155
✱ A105	2	#5	STR	25'-3"	53	K5	6	#6	STR	7'-1"	64
✱ A106	2	#5	STR	23'-3"	48	K6	4	#6	STR	6'-9"	41
✱ A107	2	#5	STR	21'-2"	44	K7	4	#6	STR	7'-0"	42
✱ A108	2	#5	STR	19'-2"	40	K8	8	#6	STR	7'-3"	87
✱ A109	2	#5	STR	17'-2"	36	K9	4	#6	STR	6'-6"	39
✱ A110	2	#5	STR	15'-1"	31	K10	24	#6	STR	3'-9"	135
✱ A111	2	#5	STR	13'-1"	27						
✱ A112	2	#5	STR	11'-1"	23	✱ S3	60	#4	2	12'-0"	481
✱ A113	2	#5	STR	9'-1"	19	✱ S4	56	#4	2	10'-1"	377
✱ A114	2	#5	STR	7'-0"	15						
✱ A115	2	#5	STR	5'-0"	10	U1	80	#5	3	11'-7"	967
✱ A116	2	#5	STR	3'-0"	6	U2	20	#5	3	9'-7"	200
✱ A117	2	#5	STR	2'-3"	5	U3	28	#4	4	8'-3"	154
A201	2	#5	STR	33'-4"	70						
A202	2	#5	STR	31'-4"	65	REINFORCING STEEL				LBS.	14,576
A203	2	#5	STR	29'-3"	61	✱ EPOXY COATED					
A204	2	#5	STR	27'-3"	57	REINFORCING STEEL				LBS.	18,039
A205	2	#5	STR	25'-3"	53						
A206	2	#5	STR	23'-3"	48						
A207	2	#5	STR	21'-2"	44						
A208	2	#5	STR	19'-2"	40						
A209	2	#5	STR	17'-2"	36						
A210	2	#5	STR	15'-1"	31						
A211	2	#5	STR	13'-1"	27						
A212	2	#5	STR	11'-1"	23						
A213	2	#5	STR	9'-1"	19						
A214	2	#5	STR	7'-0"	15						
A215	2	#5	STR	5'-0"	10						
A216	2	#5	STR	3'-0"	6						
A217	2	#5	STR	2'-3"	5						

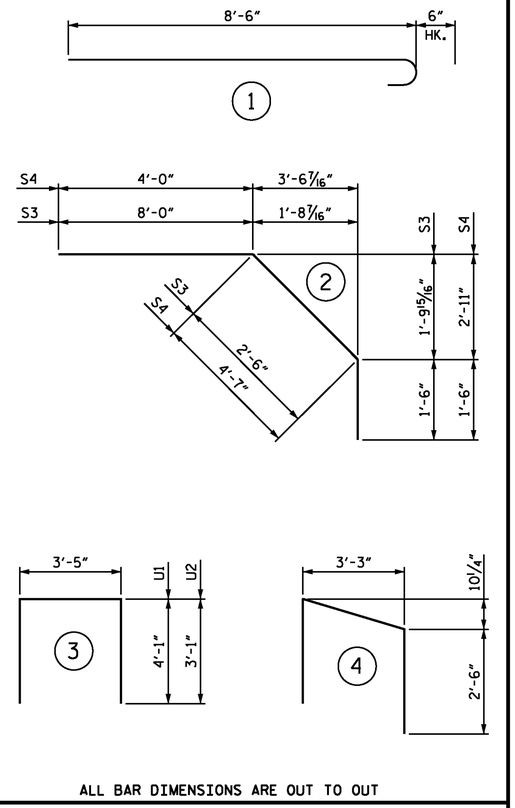
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

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"			

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,400	SQ.FT.
BRIDGE DECK	3,200	SQ.FT.
TOTAL	4,600	SQ.FT.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

SPAN A	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR #1	119.6		
POUR #2	70.8		
TOTALS**	190.4	14,576	18,039

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. B-4616

ROBESON COUNTY

STATION: 31+55.47 -L-

DESIGNED BY:	C.J. HOWARD	DATE :	04/2016
DRAWN BY:	M.J. OSTRISHKO	DATE :	04/2016
CHECKED BY:	N.A. PIERCE	DATE :	05/2016
DESIGN ENGINEER OF RECORD:	N.A. PIERCE	DATE :	06/2016

7/26/2016
R:\Raleigh Office NCDOT\B-4616 Robeson County\400_Structures\Drafting\Superstructure\401_037_B4616_SMU_BOM1.dgn
usmo04281

WSP
PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 037479 NICHOLAS A. PIERCE
8/2/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-19
1			3			TOTAL SHEETS
2			4			25