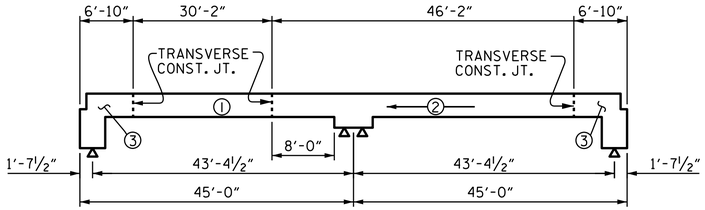
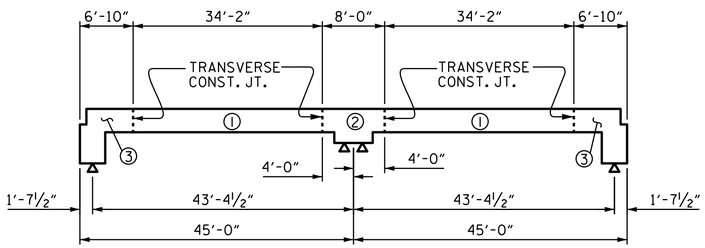


POUR SEQUENCE

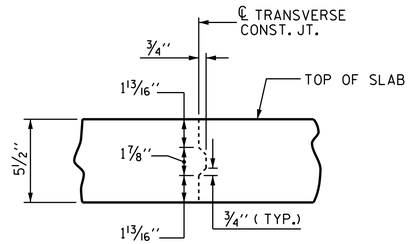
SEE TRANSVERSE CONSTRUCTION JOINT DETAIL

(#) = INDICATES POUR NUMBER AND DIRECTION OF POUR



OPTIONAL POUR SEQUENCE

POUR ② AND POUR ③ CAN NOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3000PSI.



TRANSVERSE CONSTRUCTION JOINT DETAIL

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

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

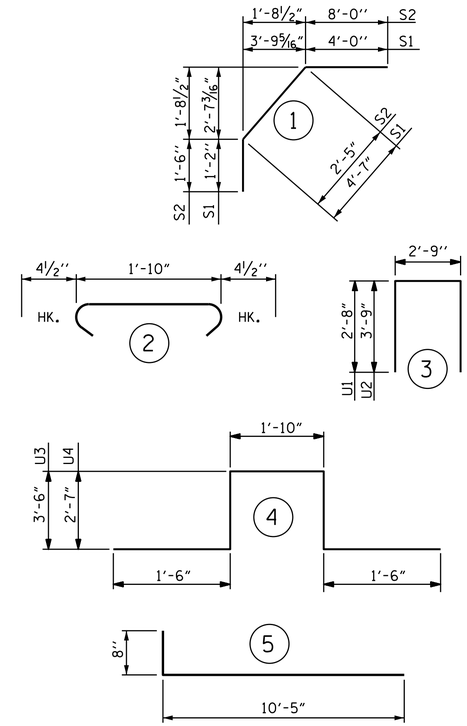
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"
#5	2'-6"	2'-2"	2'-6"	2'-2"	3'-5"
#6	3'-0"	2'-7"	3'-10"	2'-7"	4'-4"
#7	5'-3"	3'-6"			
#8	6'-10"	4'-7"			

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
SPAN A & B	114.1	0	18,047
TOTALS **	114.1	0	18,047

**QUANTITIES FOR PARAPET ARE NOT INCLUDED

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL
SPAN A & B

BAR	NO	SIZE	TYPE	LENGTH	WEIGHT
*A1	177	5	STR	34'-3"	6,323
*A2	354	5	STR	3'-0"	1,108
*B1	182	6	STR	8'-10"	2,415
*B2	92	4	STR	20'-11"	1,285
*B3	46	6	STR	36'-6"	2,522
*B4	45	6	STR	13'-4"	901
*B5	24	5	STR	31'-0"	776
*H2	40	4	5	11'-1"	296
*K1	16	4	STR	21'-3"	227
*K2	6	4	STR	7'-7"	30
*K3	12	4	STR	8'-7"	69
*K4	6	4	STR	8'-1"	32
*K5	4	4	STR	5'-0"	13
*K6	8	4	STR	5'-5"	29
*K7	4	4	STR	5'-3"	14
*K8	16	4	STR	2'-7"	28
*K9	6	4	STR	6'-5"	26
*K10	12	4	STR	8'-7"	69
*K11	6	4	STR	8'-1"	32
*K12	4	4	STR	28'-3"	75
*S1	56	4	1	9'-9"	365
*S2	56	4	1	11'-11"	446
*S3	75	4	2	2'-7"	129
*U1	60	4	3	8'-1"	324
*U2	12	4	3	10'-3"	82
*U3	21	4	4	11'-10"	166
*U4	6	4	4	10'-0"	40
*V2	80	4	STR	3'-8"	196
*V3	16	4	STR	2'-8"	29

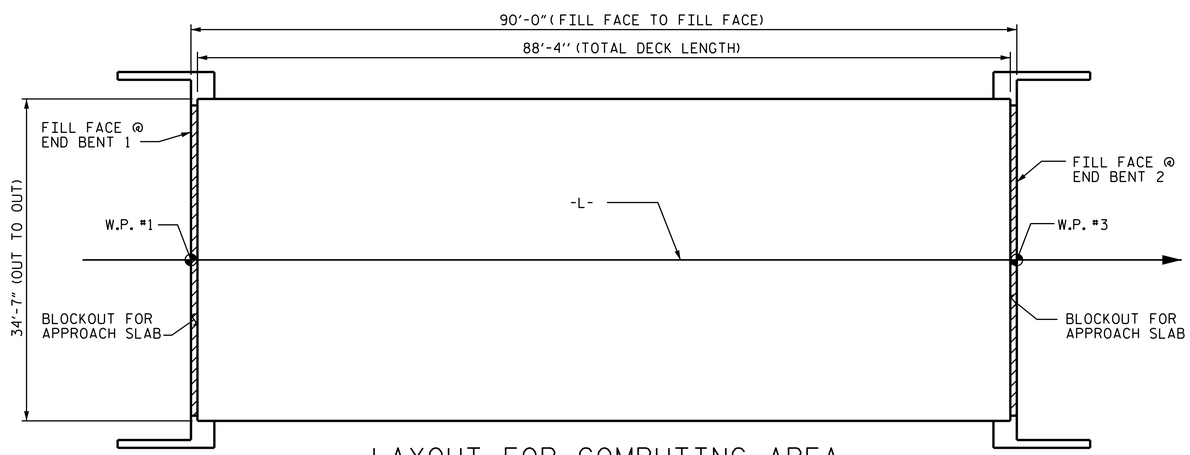
*EPOXY COATED REINFORCING STEEL LBs. 18,047

CLASS AA CONCRETE BREAKDOWN

POUR #1	22.7	CU. YD.
POUR #2	45.2	CU. YD.
POUR #3	46.2	CU. YD.
CLASS AA CONCRETE	114.1	CU. YD.

GROOVING BRIDGE FLOORS

APPROACH SLABS	1402	SQ.FT.
BRIDGE DECK	2552	SQ.FT.
TOTAL	3954	SQ.FT.



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 3,112)

PROJECT NO. B-4591
NEW HANOVER/PENDER COUNTY
STATION: 23+25.00 -L-

3/25/2014

NORTH CAROLINA PROFESSIONAL SEAL 14045 ENGINEER TIMOTHY L. COGGINS

DocuSigned by: Tim Coggins
DEFD4A8D48FA47B...

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-21
1			3			TOTAL SHEETS
2			4			30

DRAWN BY : N. Ruffin DATE : 5/13/13
CHECKED BY : G. KOUCHEKI DATE : 6/5/13
DESIGN ENGINEER OF RECORD: N. RUFFIN DATE : 5/21/13

25-MAR-2014 11:18
R:\Structures\Plans\nruffin\B-4591_sm_Plans_01.dgn
dstutts

NC005