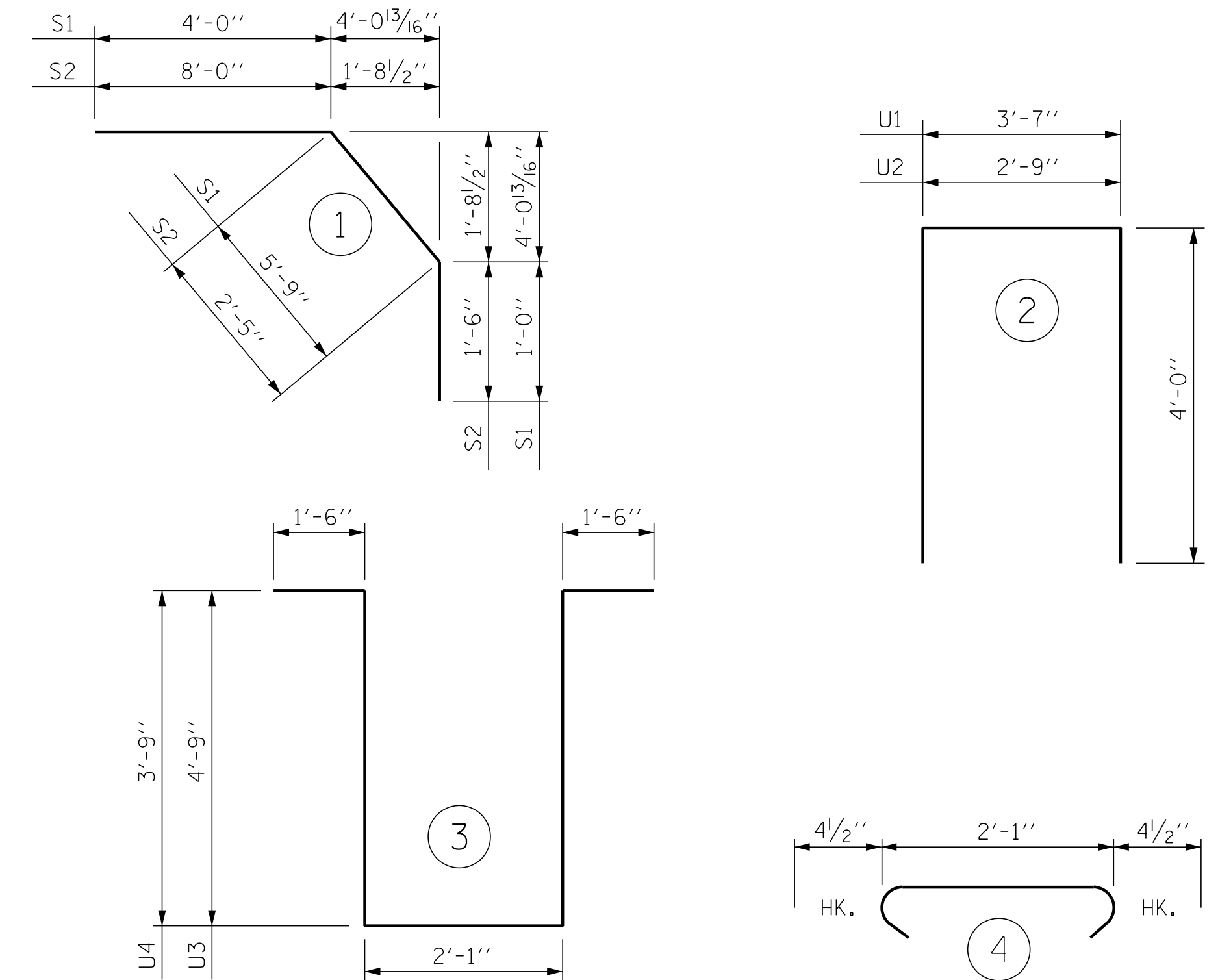


BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE ( CU. YDS. )	REINFORCING STEEL ( LBS. )	* EPOXY COATED REINFORCING STEEL ( LBS. )
TOTALS **	239.1	20,604	21,733

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

GROOVING BRIDGE FLOORS

APPROACH SLABS	783 SQ.FT.
BRIDGE DECK	4,975 SQ.FT.
TOTAL	5,758 SQ.FT.

CLASS AA CONCRETE BREAKDOWN

POUR #1	79.6	CY
POUR #2	106.3	CY
POUR #3A	26.6	CY
POUR #3B	26.6	CY
CLASS AA CONCRETE BREAKDOWN TOTAL	239.1	CY

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"			

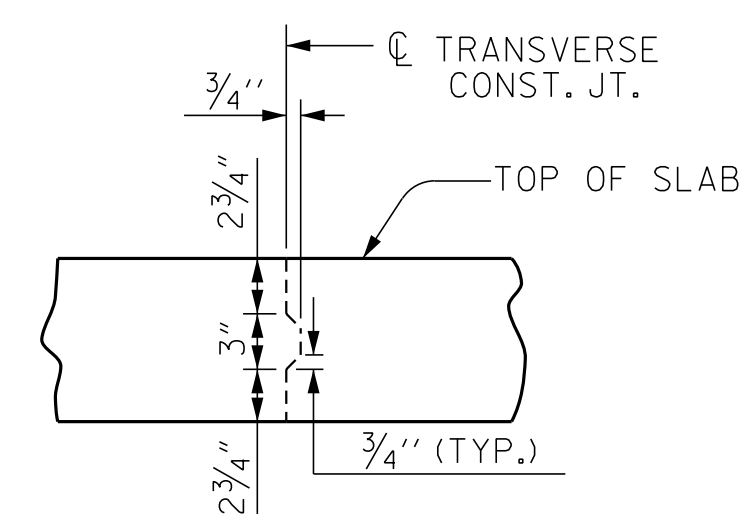
PROJECT NO. R-5311A  
HERTFORD COUNTY  
STATION: 25+47.22 -Y1-

REINFORCING BAR SCHEDULE

SPAN "A-B"

BAR No.	No.	SIZE	TYPE	LENGTH	WEIGHT
*A1	321	#5	STR	32'-11"	11021
A2	321	#5	STR	32'-11"	11021
*A101	2	#5	STR	31'-11"	67
*A102	2	#5	STR	30'-1"	63
*A103	2	#5	STR	28'-4"	59
*A104	2	#5	STR	26'-7"	55
*A105	2	#5	STR	24'-10"	52
*A106	2	#5	STR	23'-1"	48
*A107	2	#5	STR	21'-3"	44
*A108	2	#5	STR	19'-6"	41
*A109	2	#5	STR	17'-9"	37
*A110	2	#5	STR	16'-0"	33
*A111	2	#5	STR	14'-3"	30
*A112	2	#5	STR	12'-6"	26
*A113	2	#5	STR	10'-9"	22
*A114	2	#5	STR	8'-11"	19
*A115	2	#5	STR	7'-2"	15
*A116	2	#5	STR	5'-5"	11
*A117	2	#5	STR	3'-8"	8
A201	2	#5	STR	31'-11"	67
A202	2	#5	STR	30'-1"	63
A203	2	#5	STR	28'-4"	59
A204	2	#5	STR	26'-7"	55
A205	2	#5	STR	24'-10"	52
A206	2	#5	STR	23'-1"	48
A207	2	#5	STR	21'-3"	44
A208	2	#5	STR	19'-6"	41
A209	2	#5	STR	17'-9"	37
A210	2	#5	STR	16'-0"	33
A211	2	#5	STR	14'-3"	30
A212	2	#5	STR	12'-6"	26
A213	2	#5	STR	10'-9"	22
A214	2	#5	STR	8'-11"	19
A215	2	#5	STR	7'-2"	15
A216	2	#5	STR	5'-5"	11
A217	2	#5	STR	3'-8"	8
*B1	86	#7	STR	18'-8"	3281
*B2	88	#4	STR	23'-4"	1372
*B3	44	#7	STR	35'-8"	3208
*B4	21	#7	STR	28'-0"	1202
B5	152	#5	STR	47'-8"	7557
*B6	14	#4	STR	28'-0"	262
K1	20	#4	STR	17'-2"	229
K2	6	#4	STR	6'-10"	27
K3	12	#4	STR	7'-11"	63
K4	6	#4	STR	7'-5"	30
K5	6	#4	STR	6'-4"	25
K6	4	#4	STR	2'-5"	6
K7	8	#4	STR	2'-8"	14
K8	8	#4	STR	3'-2"	17
K9	5	#4	STR	27'-3"	91
K10	6	#4	STR	5'-1"	20
K11	6	#4	STR	6'-10"	27
K12	18	#4	STR	7'-3"	87
*S1	50	#4	1	10'-9"	359
*S2	50	#4	1	11'-11"	398
S3	78	#4	4	2'-10"	148
U1	50	#4	2	11'-7"	387
U2	4	#4	2	10'-9"	29
U3	15	#4	3	14'-7"	146
U4	6	#4	3	12'-7"	50
REINFORCING STEEL				20,604	LBS.
* EPOXY COATED REINFORCING STEEL				21,733	LBS.

\* THESE BARS ARE EPOXY COATED

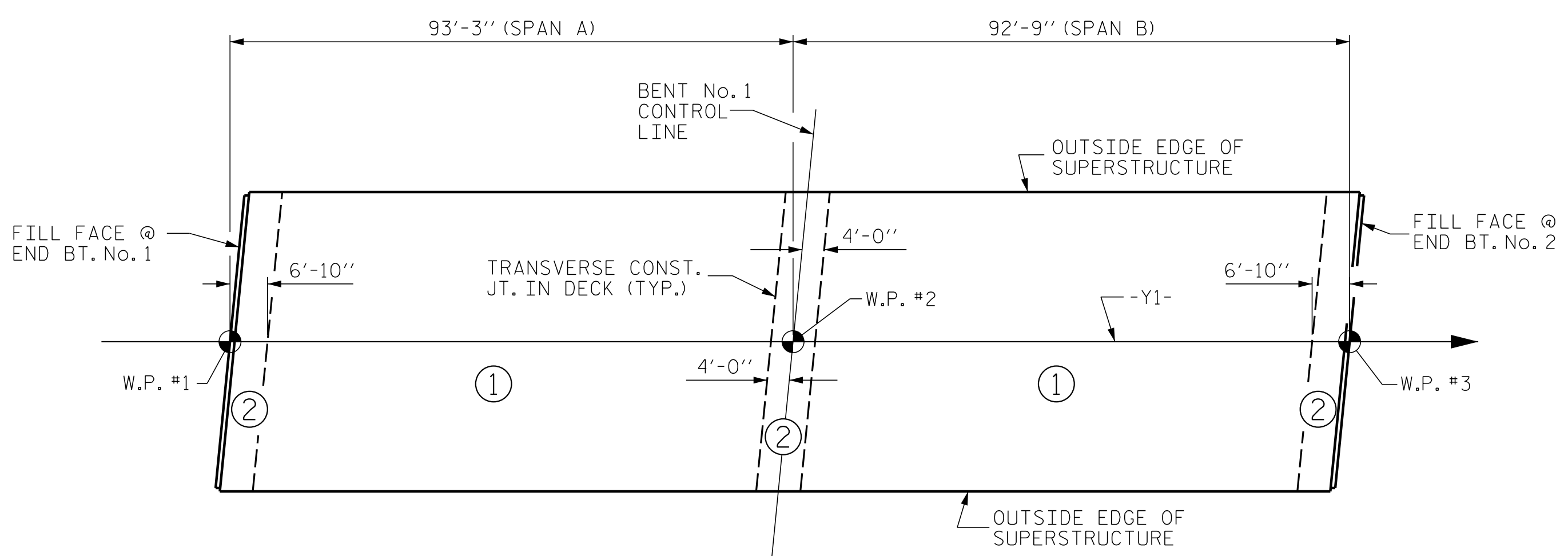


TRANSVERSE CONSTRUCTION JOINT DETAIL

NOTE: SLAB REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT

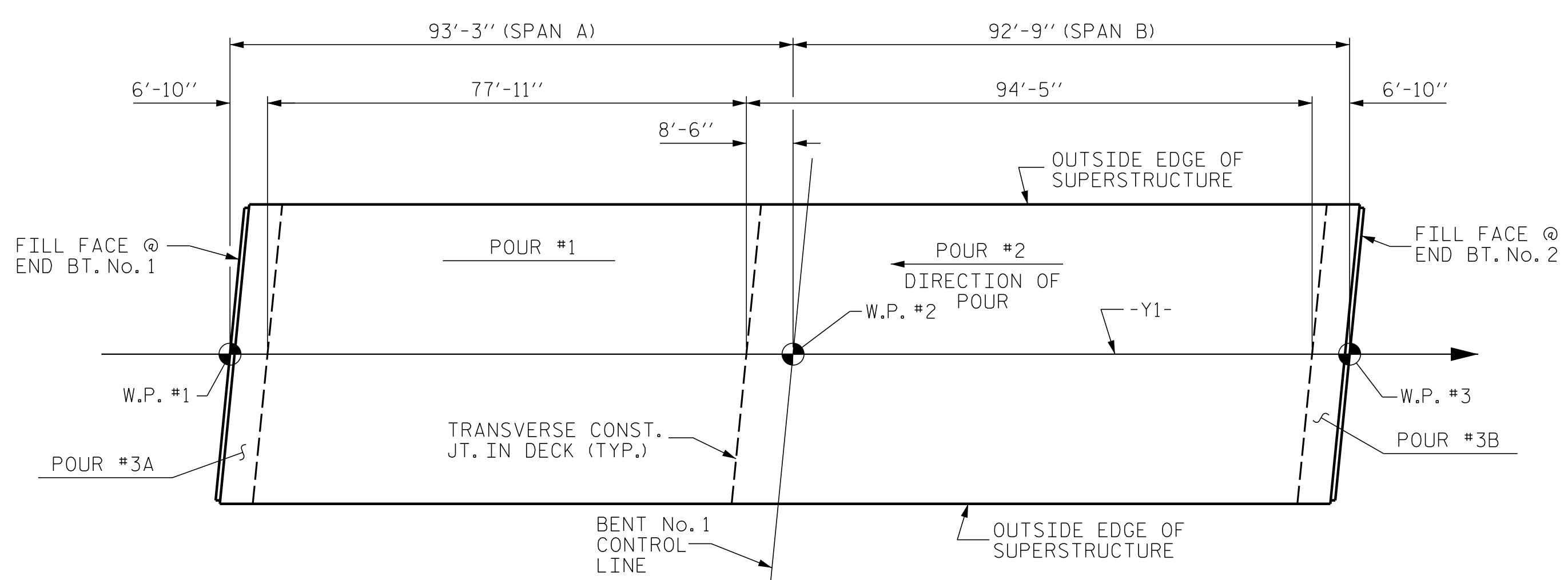
OPTIONAL DECK POUR DETAIL

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

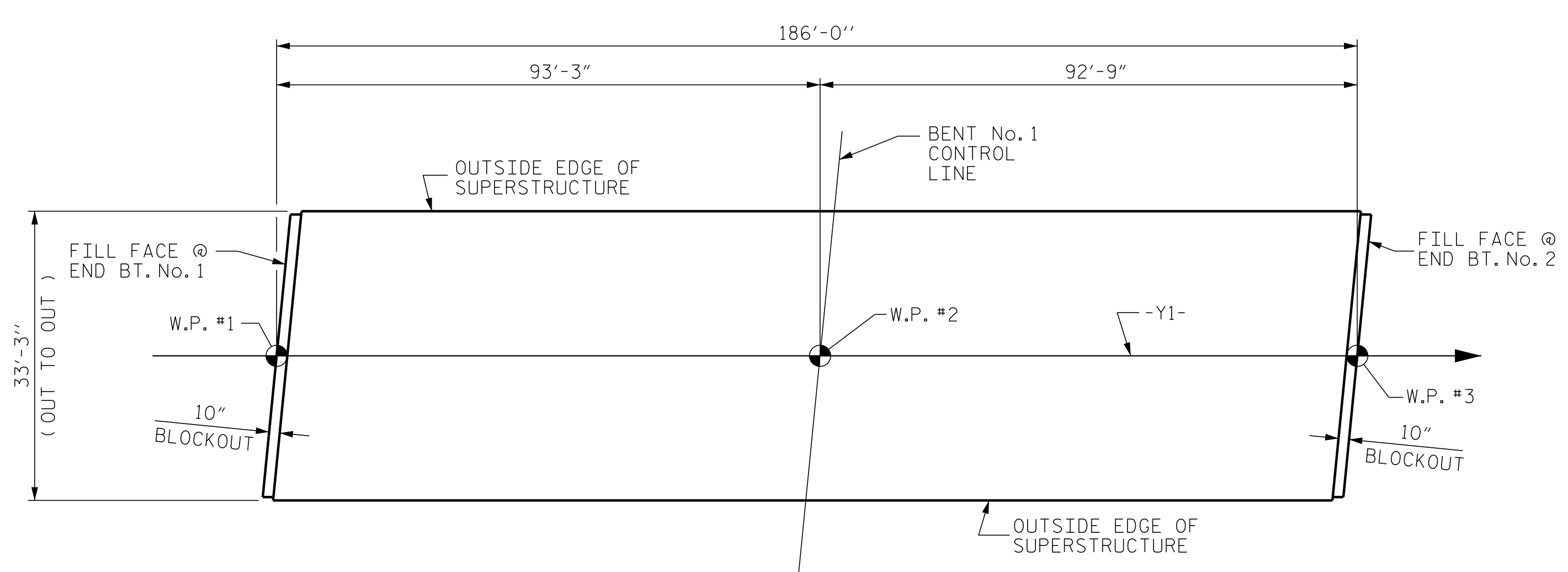


CONCRETE DECK POUR DETAIL

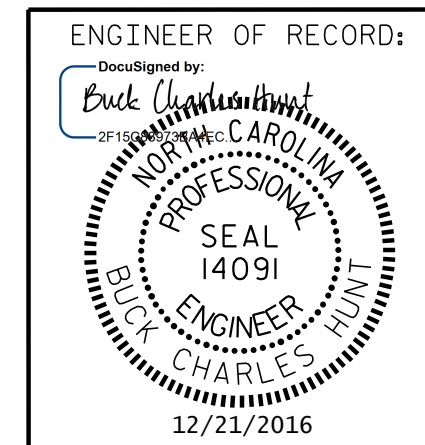
NOTE: EACH POUR #3 INCLUDES UPPER PART OF THE INTEGRAL END BENT.



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 6,185)



DRAWN BY: D. HODGE DATE: 2/16  
CHECKED BY: G.M. GILLAND DATE: 3/16



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Fax: 919 851 8107  
LICENSE NO. F-0377

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

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
1			3			TOTAL SHEETS
2			4			61

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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