

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	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

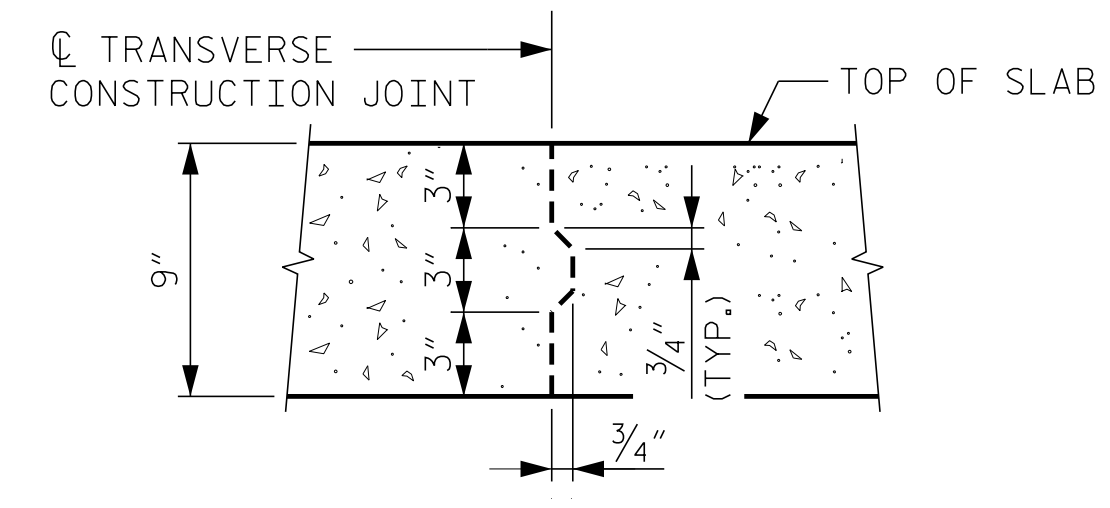
SUPERSTRUCTURE BILL OF MATERIAL

		CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
SPAN A	POUR 1	33.3		
	POUR 3	29.1		
BENT 1	POUR 2	13.1		
SPAN B	POUR 1	33.9		
BENT 2	POUR 2	14.1		
SPAN C	POUR 1	52.7		
BENT 3	POUR 2	14.4		
SPAN D	POUR 1	38.3		
	POUR 3	29.1		
TOTALS **		258.0	26,097	25,762

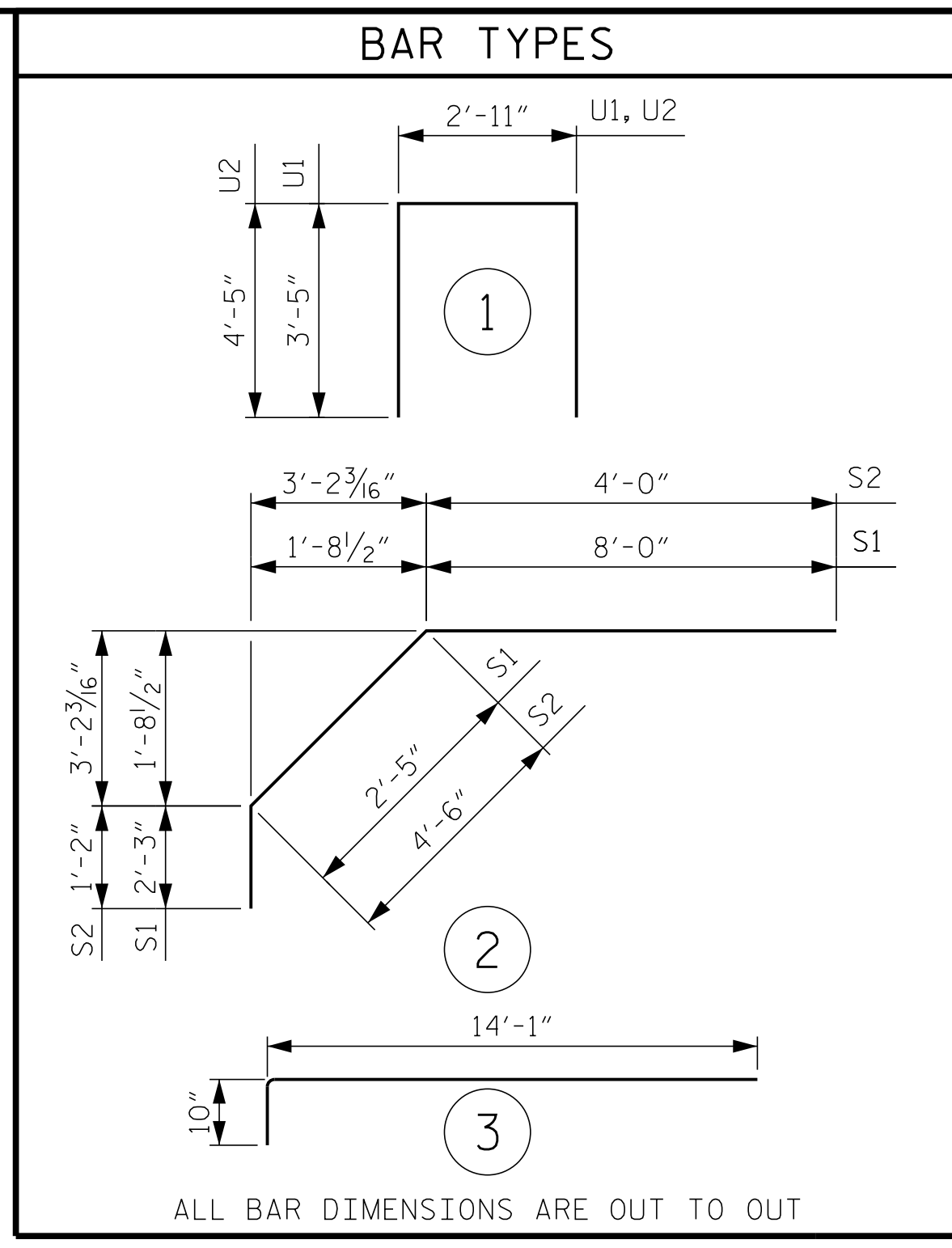
** QUANTITIES FOR CONCRETE BARRIER RAIL NOT INCLUDED.

GROOVING BRIDGE FLOORS

APPROACH SLABS	870 SQ.FT.
BRIDGE DECK	5,897 SQ.FT.
TOTAL	6,767 SQ.FT.

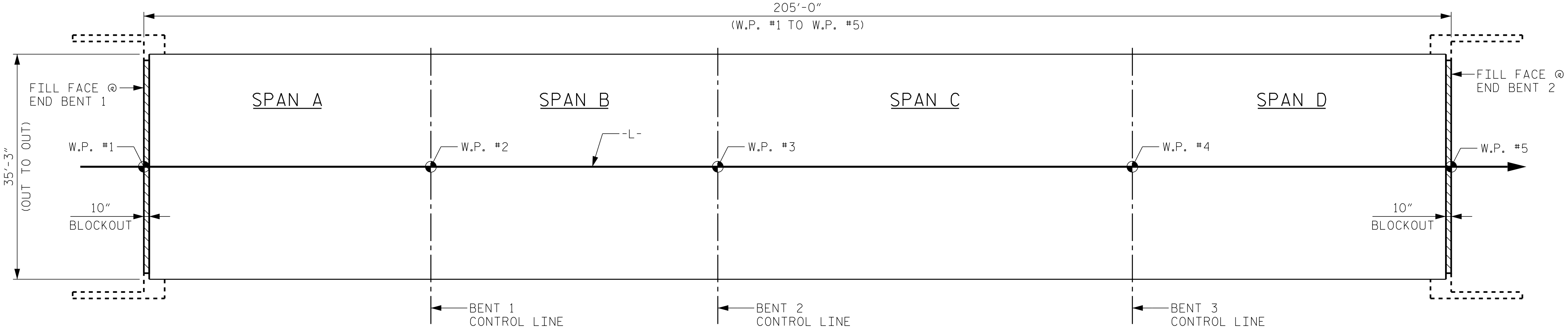


TRANSVERSE CONSTRUCTION JOINT IN DECK SLAB
 REINFORCING STEEL IN SLAB NOT SHOWN, LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT.

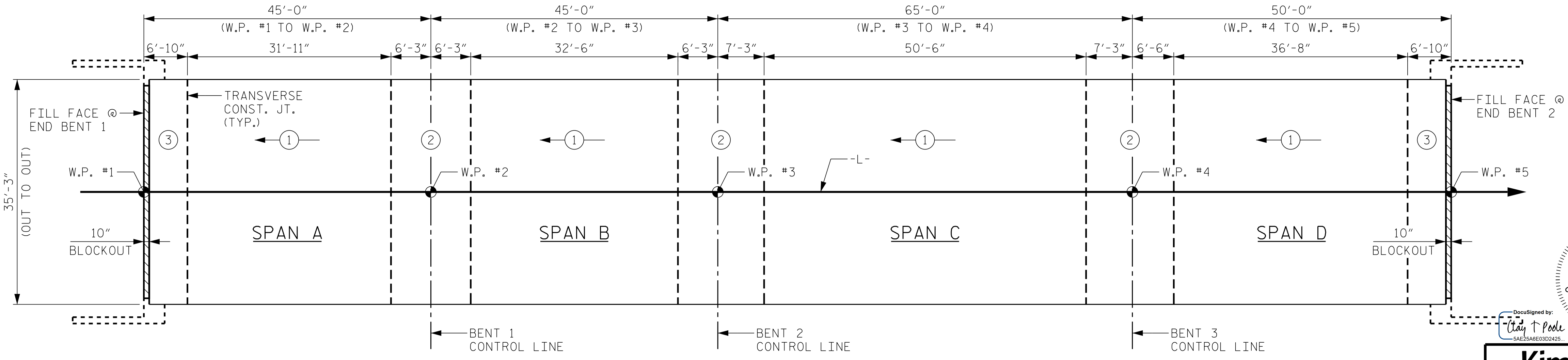


REINFORCING STEEL SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	406	5	STR	34'-11"	14,786
A2	406	5	STR	34'-11"	14,786
B1E	25	4	STR	20'-6"	342
B2E	25	5	STR	37'-0"	965
B3E	25	4	STR	11'-10"	198
B4E	25	5	STR	43'-0"	1,121
B5E	25	4	STR	19'-10"	331
B6E	25	5	STR	44'-6"	1,160
B7E	25	4	STR	23'-0"	384
B8E	69	6	STR	8'-10"	915
B9E	46	5	STR	23'-6"	1,127
B10E	46	5	STR	26'-6"	1,271
B11E	46	5	STR	27'-3"	1,307
B12E	69	6	STR	9'-10"	1,019
B13	44	5	STR	29'-9"	1,365
B14	44	4	STR	32'-6"	955
B15	44	5	STR	16'-6"	757
B16	44	4	STR	37'-6"	1,102
B17	44	5	STR	26'-6"	1,216
B18	44	4	STR	38'-9"	1,139
B19	44	5	STR	33'-6"	1,537
B20	39	4	STR	28'-0"	729
B21	39	4	STR	32'-0"	834
B22	39	4	STR	33'-0"	860
H1	44	5	3	14'-11"	342
K1	20	4	STR	21'-3"	284
K2	6	4	STR	7'-4"	29
K3	6	4	STR	7'-10"	31
K4	12	4	STR	8'-7"	69
K5	6	4	STR	7'-10"	31
K6	4	4	STR	5'-1"	14
K7	4	4	STR	5'-4"	14
K8	8	4	STR	5'-9"	31
K9	4	4	STR	5'-4"	14
K10	24	4	STR	2'-8"	43
S1E	56	4	2	12'-8"	474
S2E	56	4	2	9'-8"	362
U1	60	4	1	9'-9"	391
U2	12	4	1	11'-9"	94
REINFORCING STEEL					26,667 LBS.
EPOXY COATED REINFORCING STEEL					25,762 LBS.

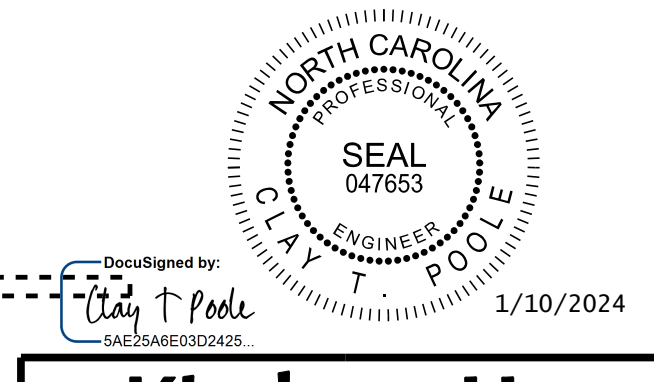


LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE SLAB
(SQ. FT. = 7,168)



POUR SEQUENCE

POUR ② & POUR ③ CAN NOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3,000 PSI
 ⊕ → DENOTES POUR NUMBER AND DIRECTION.



Kimley»Horn
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601-1772
 Phone (919) 677-2000 NC LICENSE # F-0102

PROJECT NO. B-5156
PENDER COUNTY
 STATION: 22+90.50 -L-

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

**SUPERSTRUCTURE
 BILL OF MATERIAL**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-28
1			3			TOTAL SHEETS
2			4			45

DRAWN BY: D. D. LOWERY DATE: 03/2023
 CHECKED BY: A. L. PHILLIPS DATE: 03/2023
 DESIGN ENGINEER OF RECORD: C. T. POOLE DATE: 03/2023

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