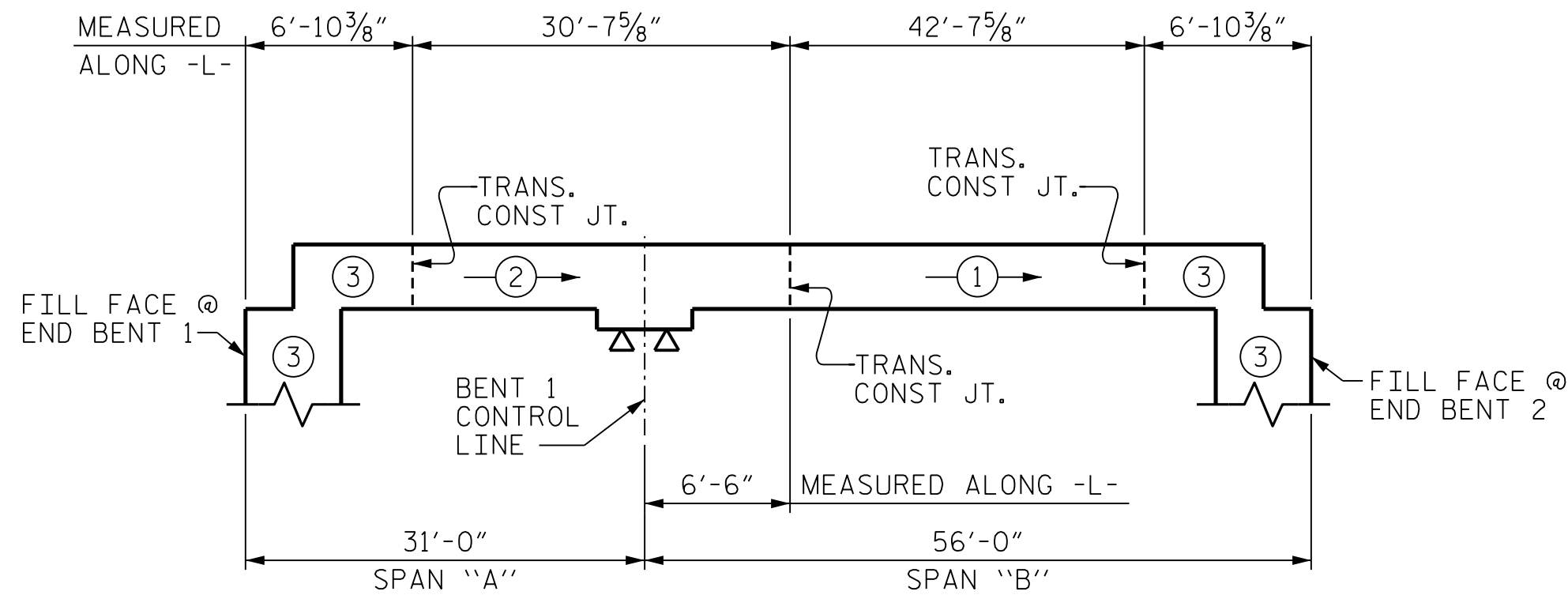
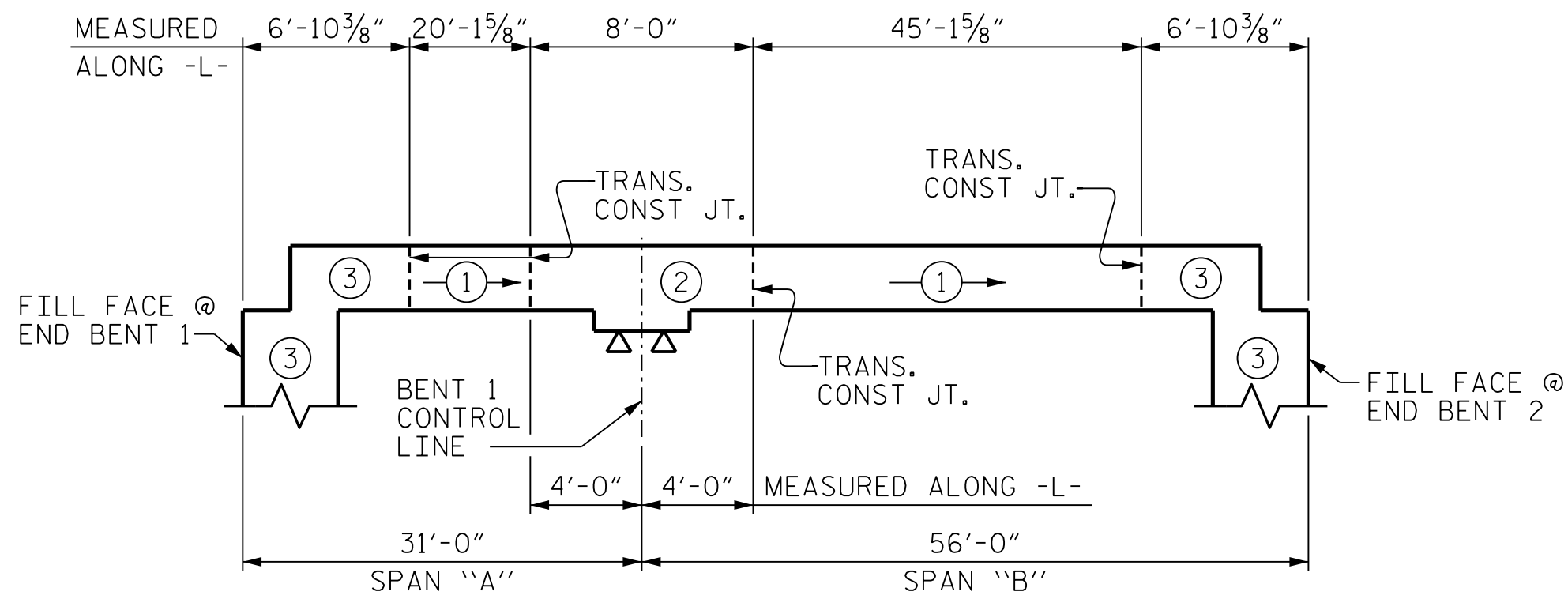


5/7/2025 7:24:12 PM User: blanning
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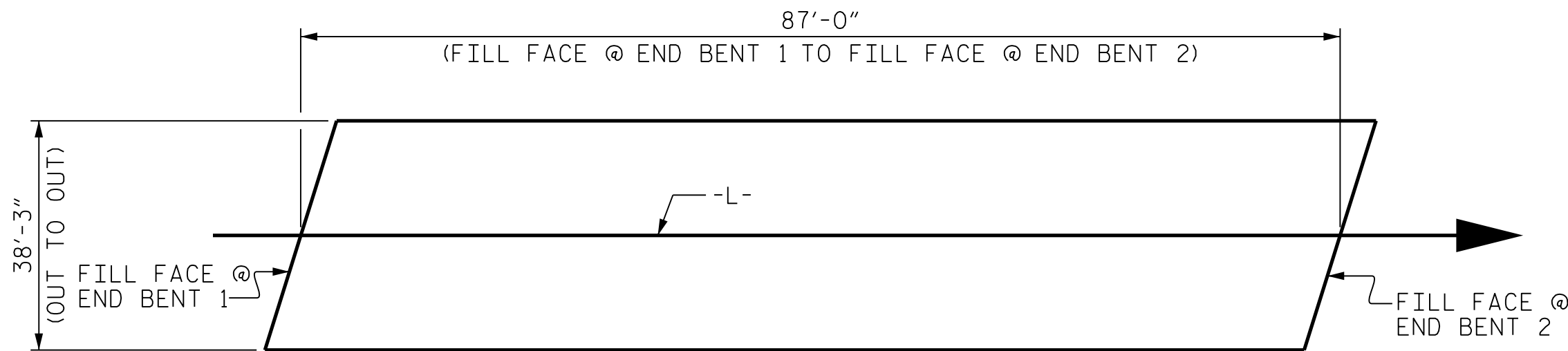
POURING SEQUENCE

⊕ → INDICATES POUR NUMBER AND DIRECTION OF POUR



OPTIONAL POURING SEQUENCE

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

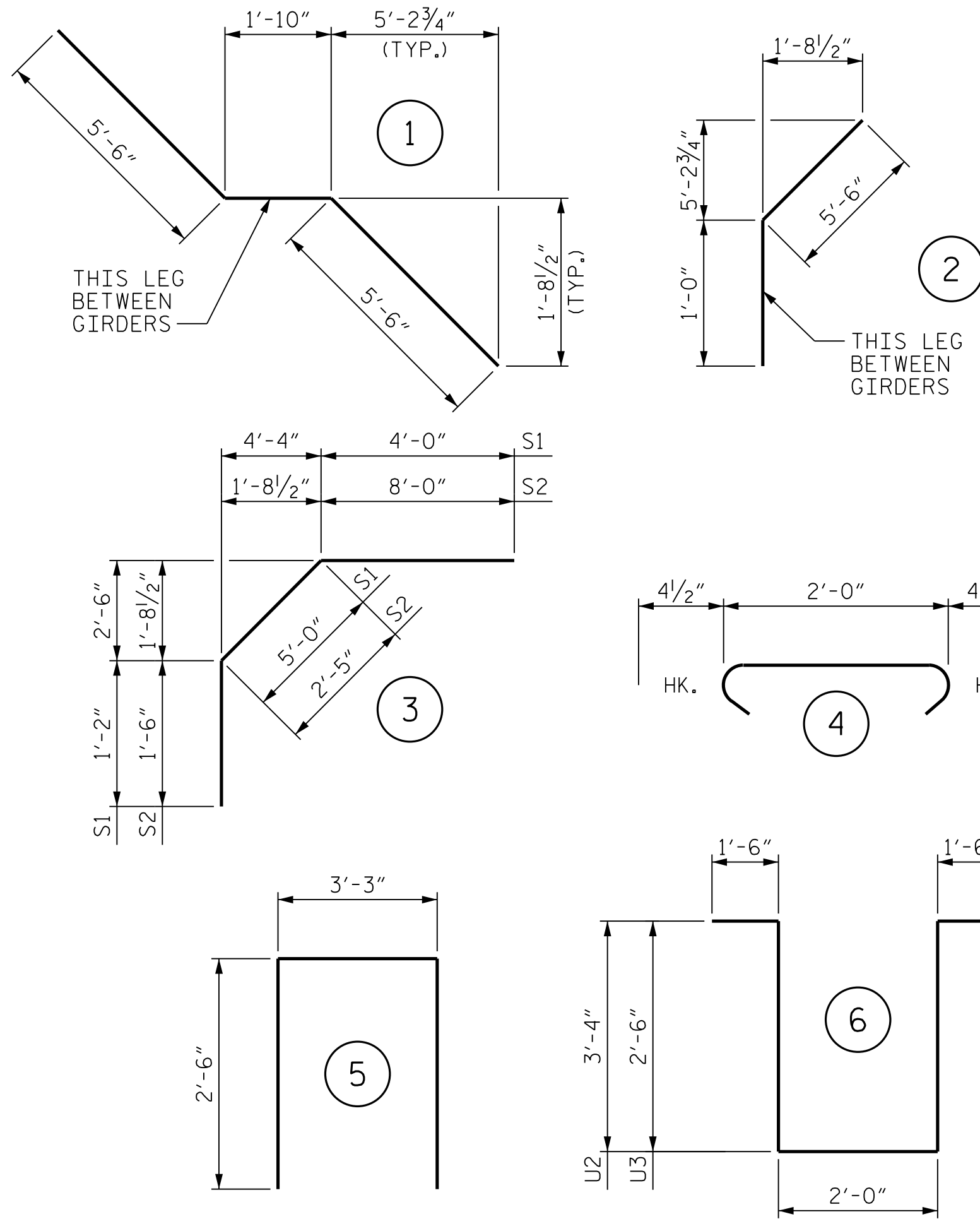


LAYOUT FOR COMPUTING AREA
REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 3328)

REINFORCING BAR SCHEDULE

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	164	#5	STR	37'-11"	6486	*B1	26	#5	STR	52'-0"	1410
A2	164	#5	STR	37'-11"	6486	*B2	75	#5	STR	9'-3"	724
						*B3	75	#5	STR	23'-0"	1799
*A101	2	#5	STR	36'-2"	75	*B4	26	#4	STR	27'-7"	479
*A102	2	#5	STR	34'-6"	72	*B5	101	#5	STR	11'-3"	1185
*A103	2	#5	STR	32'-9"	68	B6	106	#5	STR	43'-7"	4818
*A104	2	#5	STR	31'-1"	65						
*A105	2	#5	STR	29'-4"	61	K1	16	#4	STR	20'-7"	220
*A106	2	#5	STR	27'-7"	58	K2	6	#4	STR	9'-0"	36
*A107	2	#5	STR	25'-11"	54	K3	24	#4	STR	10'-1"	162
*A108	2	#5	STR	24'-2"	50	K4	12	#4	STR	9'-6"	76
*A109	2	#5	STR	22'-6"	47	K5	4	#4	STR	2'-2"	6
*A110	2	#5	STR	20'-9"	43	K6	8	#4	STR	2'-9"	15
*A111	2	#5	STR	19'-1"	40	K7	4	#4	STR	2'-6"	7
*A112	2	#5	STR	17'-4"	36	K8	6	#4	STR	8'-4"	33
*A113	2	#5	STR	15'-8"	33	K9	8	#4	1	12'-10"	69
*A114	2	#5	STR	13'-11"	29	K10	8	#4	2	6'-6"	35
*A115	2	#5	STR	12'-3"	26						
*A116	2	#5	STR	10'-6"	22	*S1	72	#4	3	10'-2"	489
*A117	2	#5	STR	8'-10"	18	*S2	72	#4	3	11'-11"	573
*A118	2	#5	STR	7'-1"	15	S3	84	#4	4	2'-9"	154
*A119	2	#5	STR	5'-5"	11						
*A120	2	#5	STR	3'-8"	8	U1	72	#4	5	8'-3"	397
						U2	24	#4	6	11'-8"	187
						U3	6	#4	6	10'-0"	40
A201	2	#5	STR	36'-2"	75						
A202	2	#5	STR	34'-6"	72						
A203	2	#5	STR	32'-9"	68						
A204	2	#5	STR	31'-1"	65						
A205	2	#5	STR	29'-4"	61						
A206	2	#5	STR	27'-7"	58						
A207	2	#5	STR	25'-11"	54						
A208	2	#5	STR	24'-2"	50						
A209	2	#5	STR	22'-6"	47						
A210	2	#5	STR	20'-9"	43						
A211	2	#5	STR	19'-1"	40						
A212	2	#5	STR	17'-4"	36						
A213	2	#5	STR	15'-8"	33						
A214	2	#5	STR	13'-11"	29						
A215	2	#5	STR	12'-3"	26						
A216	2	#5	STR	10'-6"	22						
A217	2	#5	STR	8'-10"	18						
A218	2	#5	STR	7'-1"	15						
A219	2	#5	STR	5'-5"	11						
A220	2	#5	STR	3'-8"	8						

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

GROOVING BRIDGE FLOORS

APPROACH SLABS	736 SQ.FT.
BRIDGE DECK	2803 SQ.FT.
TOTAL	3539 SQ.FT.

—SUPERSTRUCTURE BILL OF MATERIAL—

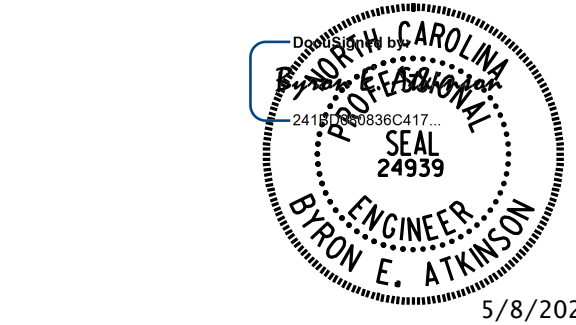
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR #1	53.6	-	-
POUR #2	47.3	-	-
POUR #3	47.1	-	-
TOTALS**	148.0	13,572	13,976

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. BP14.R041
POLK COUNTY
STATION: 20+97.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE
BILL OF MATERIAL



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



MI ENGINEERING
1011 SCHAUH DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

REVISIONS						SHEET NO. S-18
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 29
2			4			

DRAWN BY : B.E. LANNING DATE : 03/2025
CHECKED BY : B.E. ATKINSON DATE : 03/2025
DESIGN ENGINEER OF RECORD : B.E. ATKINSON DATE : 04/25

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	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"			