

**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"			

**CLASS AA CONC. BREAKDOWN**

POUR #1	156.8 C.Y.
POUR #2	159.9 C.Y.
<b>TOTAL CLASS AA CONC.</b>	<b>316.7 C.Y.</b>

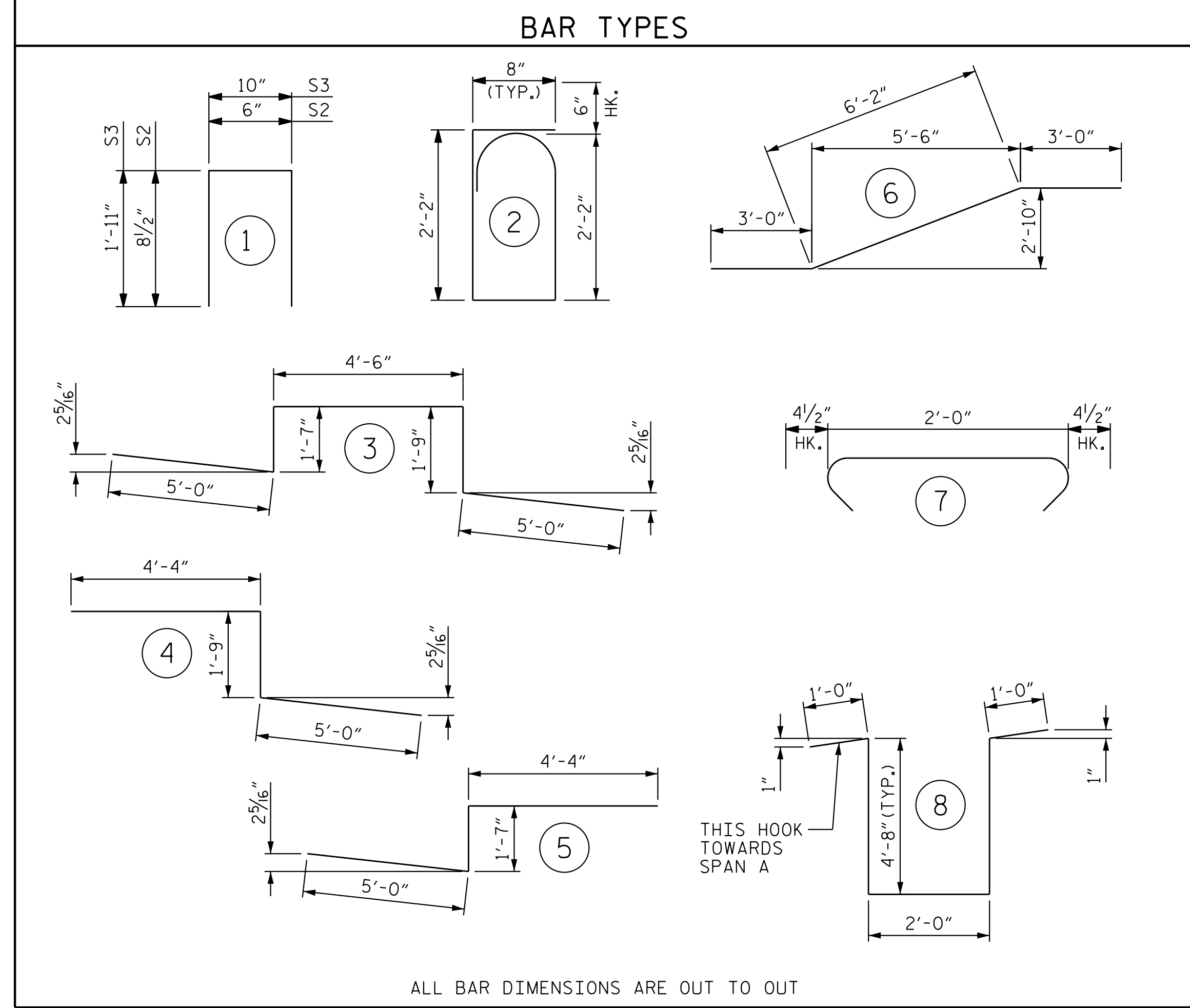
**GROOVING BRIDGE FLOORS**

APPROACH SLABS	1,046 SQ.FT.
BRIDGE DECK	8,000 SQ.FT.
<b>TOTAL</b>	<b>9,046 SQ.FT.</b>

**SUPERSTRUCTURE BILL OF MATERIAL**

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
<b>TOTALS **</b>	316.7	27,140	27,068

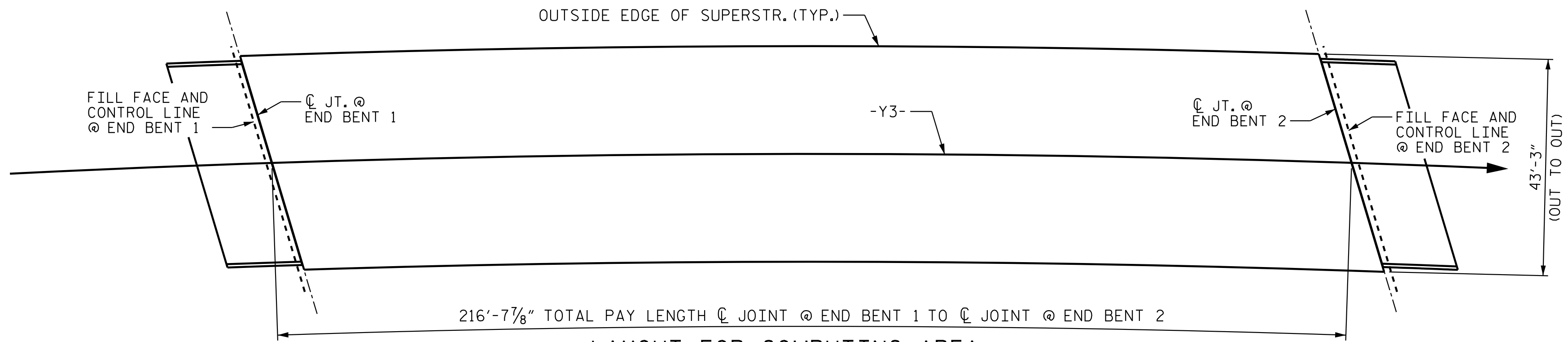
\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



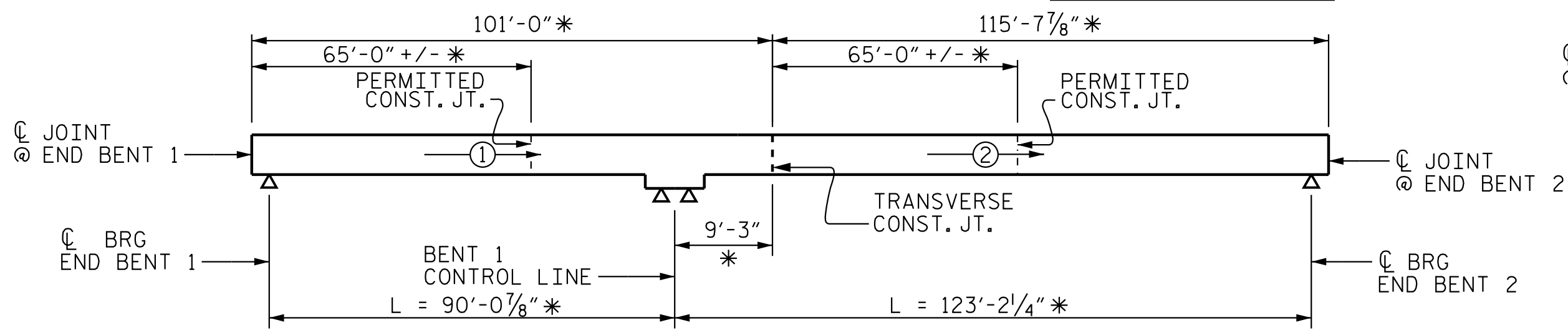
**REINFORCING BAR SCHEDULE (DECK & DIAPHRAGM)**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	326	#5	STR	42'-11"	14,592
* A101	2	#5	STR	39'-0"	81
* A102	2	#5	STR	34'-10"	73
* A103	2	#5	STR	30'-7"	64
* A104	2	#5	STR	26'-5"	55
* A105	2	#5	STR	22'-2"	46
* A106	2	#5	STR	18'-0"	38
* A107	2	#5	STR	13'-9"	29
* A108	2	#5	STR	9'-7"	20
* A109	2	#5	STR	5'-4"	11
* A110	2	#5	STR	2'-0"	4
* A111	2	#5	STR	39'-1"	82
* A112	2	#5	STR	34'-11"	73
* A113	2	#5	STR	30'-10"	64
* A114	2	#5	STR	26'-8"	56
* A115	2	#5	STR	22'-7"	47
* A116	2	#5	STR	18'-5"	38
* A117	2	#5	STR	14'-4"	30
* A118	2	#5	STR	10'-2"	21
* A119	2	#5	STR	6'-0"	13
* A120	2	#5	STR	2'-0"	4
A2	326	#5	STR	42'-11"	14,592
A201	2	#5	STR	39'-0"	81
A202	2	#5	STR	34'-10"	73
A203	2	#5	STR	30'-7"	64
A204	2	#5	STR	26'-5"	55
A205	2	#5	STR	22'-2"	46
A206	2	#5	STR	18'-0"	38
A207	2	#5	STR	13'-9"	29
A208	2	#5	STR	9'-7"	20
A209	2	#5	STR	5'-4"	11
A210	2	#5	STR	2'-0"	4
A211	2	#5	STR	39'-1"	82
A212	2	#5	STR	34'-11"	73
A213	2	#5	STR	30'-10"	64
A214	2	#5	STR	26'-8"	56
A215	2	#5	STR	22'-7"	47
A216	2	#5	STR	18'-5"	38
A217	2	#5	STR	14'-4"	30
A218	2	#5	STR	10'-2"	21
A219	2	#5	STR	6'-0"	13
A220	2	#5	STR	2'-0"	4
* B1	62	#4	STR	31'-10"	1,318
* B2	93	#4	STR	29'-7"	1,838
* B3	114	#5	STR	38'-4"	4,558
* B4	54	#5	STR	42'-2"	2,375
B5	184	#5	STR	55'-10"	10,715
* G1	1	#5	STR	44'-4"	46
* G2	1	#5	STR	45'-3"	47
* K1	12	#8	3	17'-10"	571
* K2	4	#8	4	11'-1"	118
* K3	4	#8	5	10'-11"	117
* K4	24	#6	STR	5'-0"	180
K5	64	#4	STR	5'-3"	224
K6	20	#4	6	12'-2"	163
K7	8	#4	STR	5'-0"	27
K8	24	#4	STR	8'-2"	131
K9	8	#4	STR	5'-4"	29
* S1	48	#5	2	6'-2"	309
S2	16	#4	1	1'-11"	20
* S3	48	#4	1	4'-8"	150
S4	96	#4	7	2'-9"	176
U1	24	#4	8	13'-4"	214

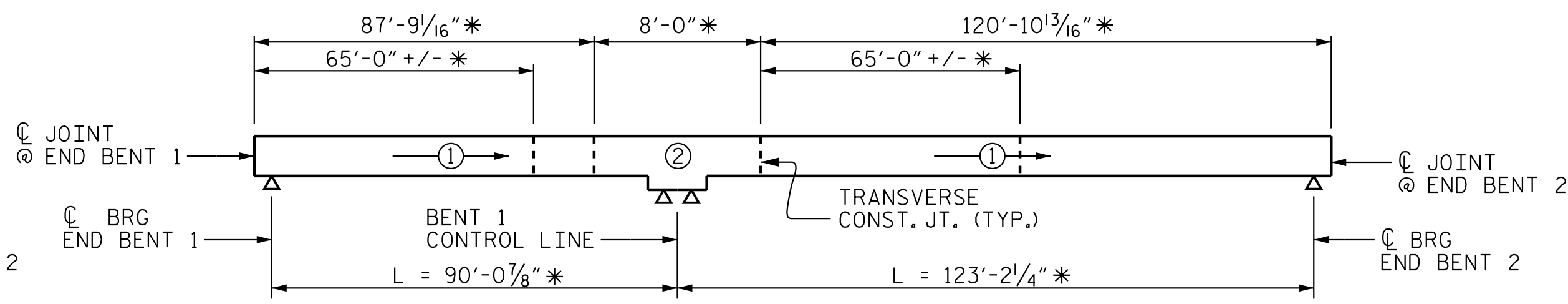
REINFORCING STEEL	27,140 LBS.
* EPOXY COATED REINFORCING STEEL	27,068 LBS.



**LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 9,367)**



**POURING SEQUENCE**



**OPTIONAL POURING SEQUENCE**

⊕ = INDICATES POUR NUMBER AND DIRECTION OF POUR

PROJECT NO. R-2707D  
CLEVELAND COUNTY  
 STATION: 23+21.80 -Y3-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**SUPERSTRUCTURE BILL OF MATERIALS**



REVISIONS						SHEET NO. S3-24
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 36
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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 DESIGN ENGINEER OF RECORD: V. E. FRAGA DATE: 05/16/23

5/16/2023 11:36:04 AM jHogenbush c:\p\w\king\gms55403\2707D\_SML\_BM01\_220490.dgn