

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	115.8 C.Y.
POUR #2	146.8 C.Y.
POUR #3	84.1 C.Y.
TOTAL CLASS AA CONC.	346.6 CY

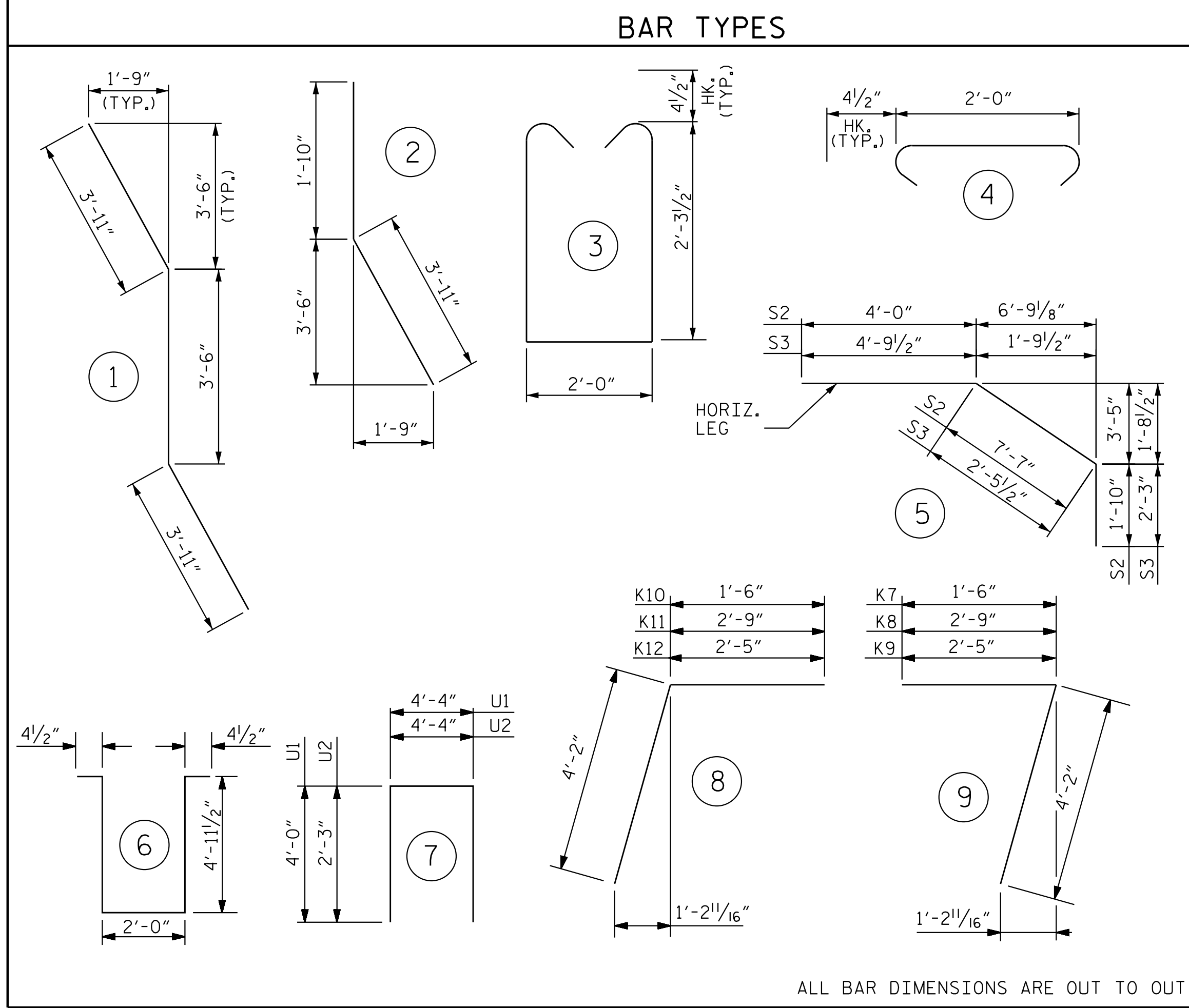
GROOVING BRIDGE FLOORS

APPROACH SLABS	1,747 SQ.FT.
BRIDGE DECK	7,442 SQ.FT.
TOTAL	9,189 SQ.FT.

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
TOTALS **	336.1	24,405	36,793

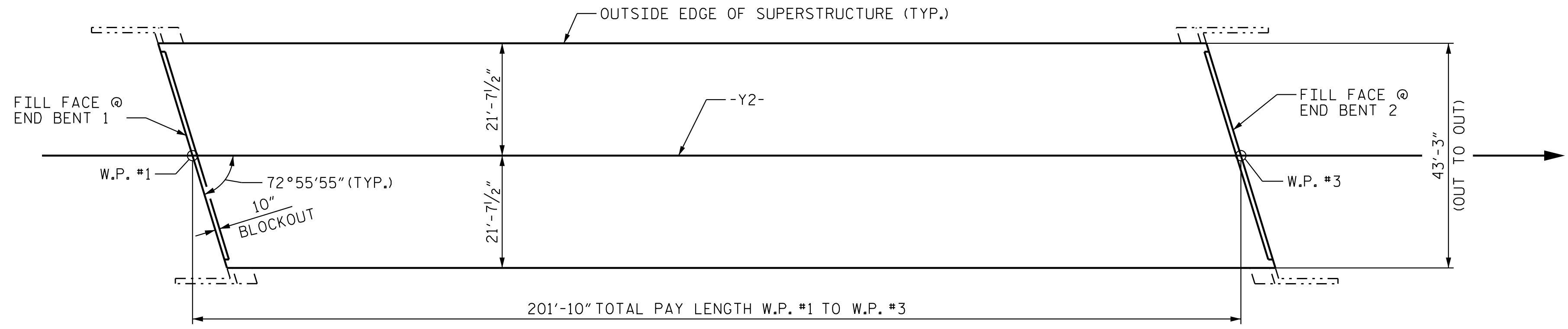
**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



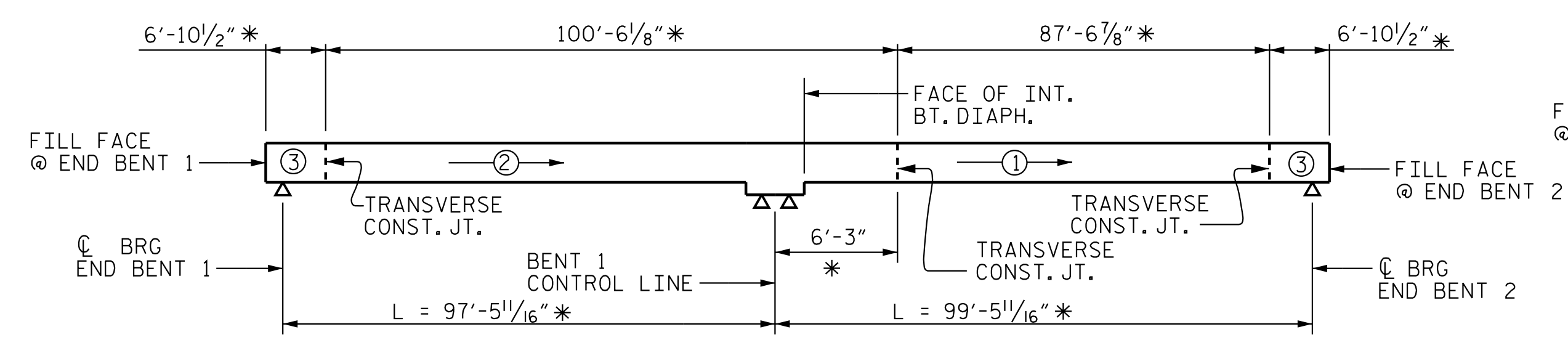
REINFORCING BAR SCHEDULE (DECK & DIAPHRAGM)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	299	#5	STR	42'-9"	13332
A2	299	#5	STR	42'-9"	13332
* A101	4	#5	STR	39'-3"	164
* A102	4	#5	STR	35'-2"	147
* A103	4	#5	STR	31'-2"	130
* A104	4	#5	STR	27'-1"	113
* A105	4	#5	STR	23'-0"	96
* A106	4	#5	STR	18'-11"	79
* A107	4	#5	STR	14'-10"	62
* A108	4	#5	STR	10'-9"	45
* A109	4	#5	STR	6'-8"	28
* A110	4	#5	STR	2'-8"	11
A201	4	#5	STR	39'-2"	163
A202	4	#5	STR	35'-1"	146
A203	4	#5	STR	31'-0"	129
A204	4	#5	STR	27'-0"	113
A205	4	#5	STR	22'-11"	96
A206	4	#5	STR	18'-10"	79
A207	4	#5	STR	14'-9"	62
A208	4	#5	STR	10'-8"	45
A209	4	#5	STR	6'-7"	27
A210	4	#5	STR	2'-6"	10
* B1	124	#5	STR	51'-9"	6693
B2	152	#5	STR	51'-6"	8165
* B3	252	#5	STR	36'-1"	9484
* B4	53	#5	STR	26'-0"	1437
* B5	56	#6	STR	21'-0"	1766
* B6	56	#6	STR	23'-10"	2005
* G1	2	#5	STR	44'-8"	93

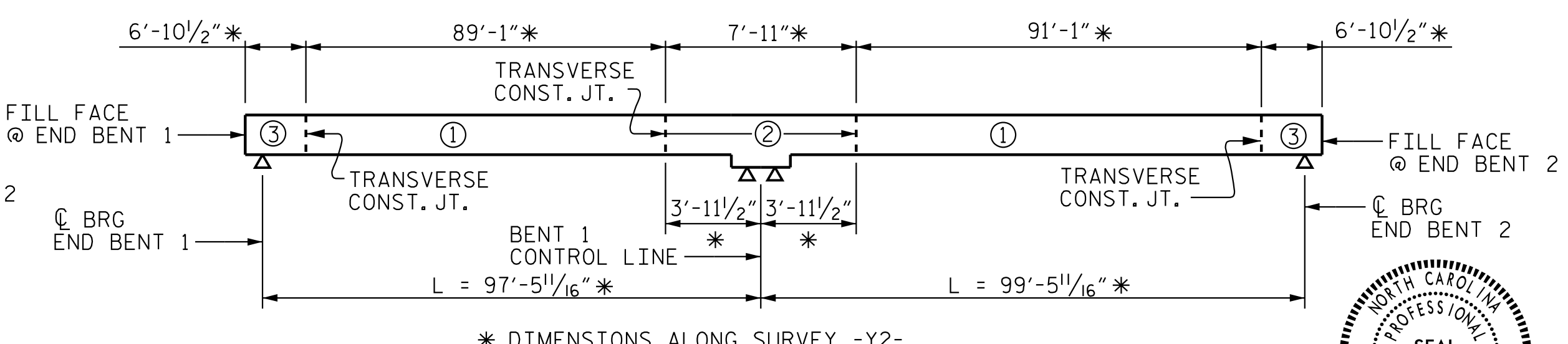
REINFORCING STEEL	24,405 LBS.
* EPOXY COATED REINFORCING STEEL	36,793 LBS.



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 8,729)



*** DIMENSIONS ALONG SURVEY -Y2- POURING SEQUENCE**



OPTIONAL POURING SEQUENCE

NOTE: POUR ② & ③ CAN NOT BE STARTED UNTIL BOTH ADJACENT POURS REACH A MINIMUM COMP. STRENGTH OF 3000 PSI.

PROJECT NO. R-2707D
 CLEVELAND COUNTY
 STATION: 20+16.72 -Y2-

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



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-23
1			3			TOTAL SHEETS 35
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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DRAWN BY: M. B. ISENHOUR DATE: 10/08/18
 CHECKED BY: V. E. FRAGA DATE: 10/18/18
 DESIGN ENGINEER OF RECORD: J.T. KELVINGTON DATE: 06/22/23

6/22/2023 jhagenbush 6/22/2023