

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"			

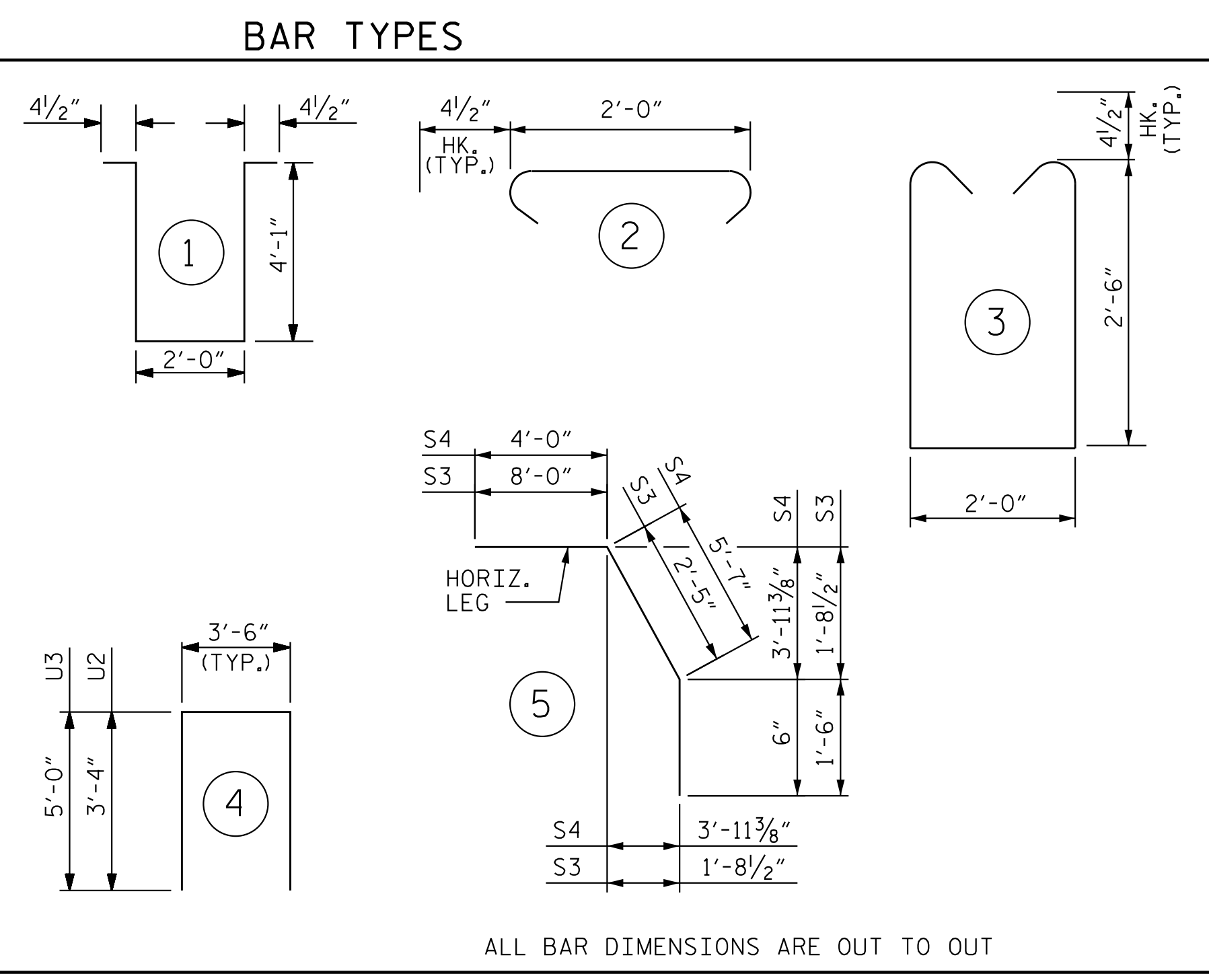
GROOVING BRIDGE FLOORS	
APPROACH SLABS	2,654 SQ.FT.
BRIDGE DECK	10,962 SQ.FT.
TOTAL	13,616 SQ.FT.

CLASS AA CONC. BREAKDOWN	
POUR #1	80.6 C.Y.
POUR #2	203.0 C.Y.
POUR #3	126.3 C.Y.
POUR #4	108.4 C.Y.
TOTAL CLASS AA CONC.	518.3 C.Y.

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
TOTALS**	518.13	47,391	51,761

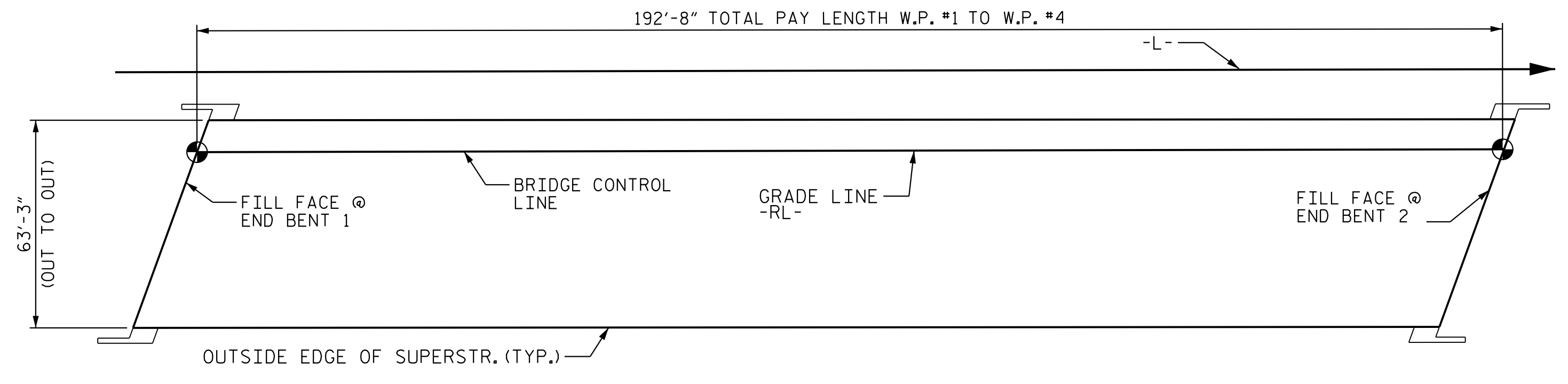
\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



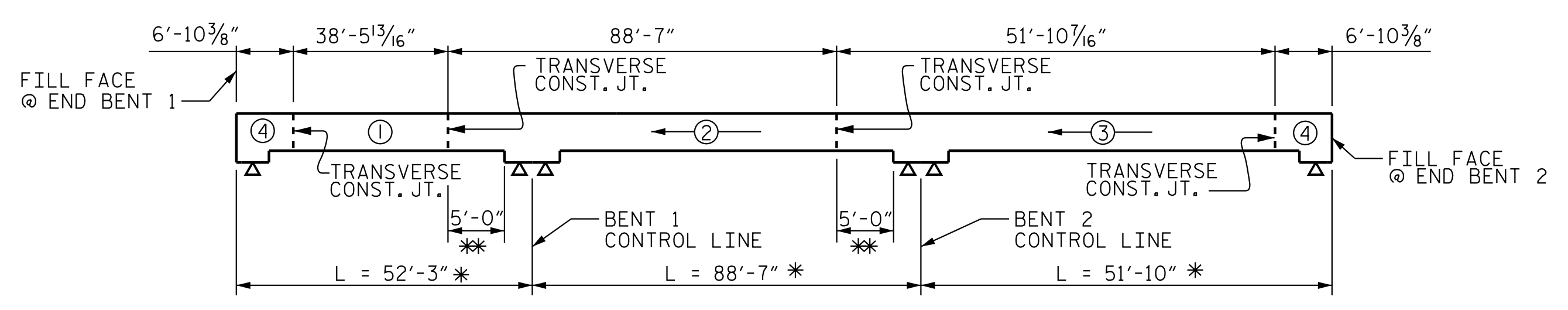
ALL BAR DIMENSIONS ARE OUT TO OUT

REINFORCING BAR SCHEDULE (DECK & DIAPHRAGM)											
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	696	#5	STR	32'-9"	23775	* B1	176	#5	STR	49'-7"	9102
* A101	4	#5	STR	59'-4"	248	B2	320	#5	STR	49'-7"	16549
* A102	4	#5	STR	55'-8"	233	* B3	242	#5	STR	10'-6"	2651
* A103	4	#5	STR	52'-0"	217	* B4	242	#5	STR	52'-4"	13210
* A104	4	#5	STR	48'-3"	202	* G1	4	#5	STR	33'-9"	141
* A105	4	#5	STR	44'-7"	187	K1	30	#4	STR	21'-5"	430
* A106	4	#5	STR	40'-10"	171	K2	36	#4	STR	8'-1"	195
* A107	4	#5	STR	37'-2"	156	K3	72	#4	STR	8'-10"	425
* A108	4	#5	STR	33'-5"	140	K4	36	#4	STR	7'-7"	183
* A109	4	#5	STR	29'-9"	125	K5	36	#4	STR	6'-5"	155
* A110	4	#5	STR	26'-0"	109	K6	30	#4	STR	23'-0"	461
* A111	4	#5	STR	22'-4"	94	K7	4	#4	STR	2'-2"	6
* A112	4	#5	STR	18'-8"	78	K8	8	#4	STR	2'-7"	14
* A113	4	#5	STR	14'-11"	63	K9	8	#4	STR	2'-0"	11
* A114	4	#5	STR	11'-3"	47	S1	96	#4	3	7'-9"	497
* A115	4	#5	STR	7'-6"	32	S2	384	#4	2	2'-9"	706
* A116	4	#5	STR	3'-10"	16	* S3	126	#4	5	11'-11"	1004
* A117	2	#5	STR	2'-0"	5	* S4	96	#4	5	10'-1"	647
A2	696	#5	STR	32'-7"	23654	U1	72	#4	1	10'-11"	526
A201	4	#5	STR	59'-4"	248	U2	104	#4	4	10'-2"	707
A202	4	#5	STR	55'-8"	233	U3	12	#4	4	10'-8"	86
A203	4	#5	STR	52'-0"	217						
A204	4	#5	STR	48'-3"	202						
A205	4	#5	STR	44'-7"	187						
A206	4	#5	STR	40'-10"	171						
A207	4	#5	STR	37'-2"	156						
A208	4	#5	STR	33'-5"	140						
A209	4	#5	STR	29'-9"	125						
A210	4	#5	STR	26'-0"	109						
A211	4	#5	STR	22'-4"	94						
A212	4	#5	STR	18'-8"	78						
A213	4	#5	STR	14'-11"	63						
A214	4	#5	STR	11'-3"	47						
A215	4	#5	STR	7'-6"	32						
A216	4	#5	STR	3'-10"	16						
A217	2	#5	STR	2'-0"	5						

REINFORCING STEEL 46,728 LBS.  
 \* EPOXY COATED REINFORCING STEEL 52,653 LBS.



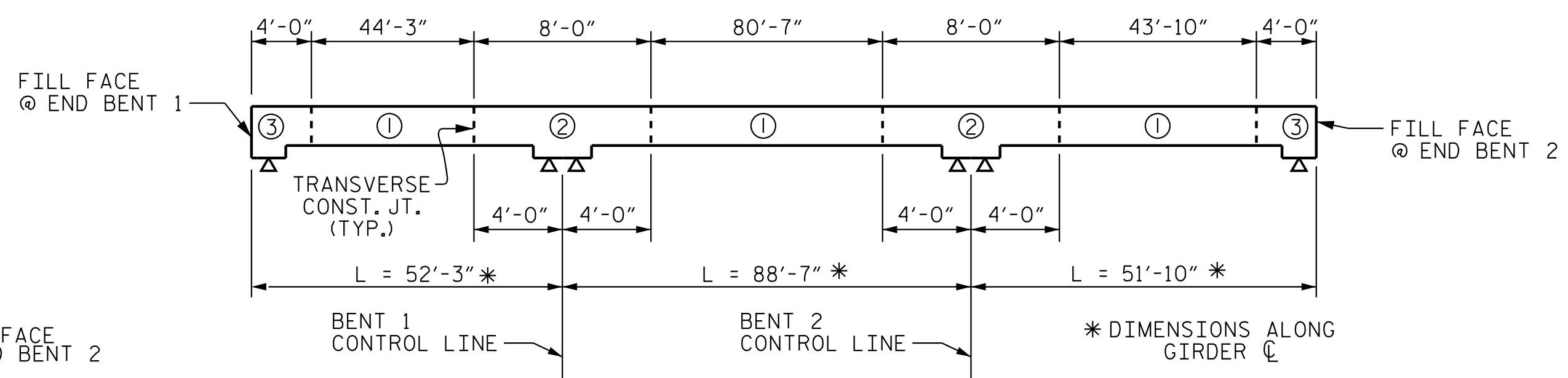
LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 12,186)



POURING SEQUENCE

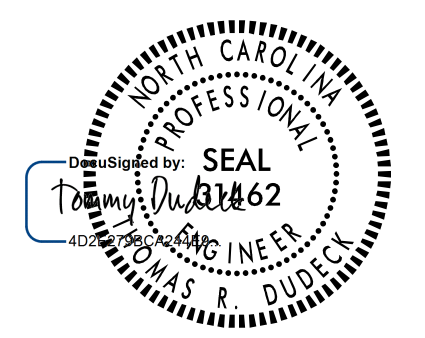
⊕ → = INDICATES POUR NUMBER AND DIRECTION OF POUR

\* DIMENSIONS ALONG GIRDER C  
 \* DIMENSION PARALLEL TO BENT CONTROL LINE



OPTIONAL POURING SEQUENCE

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



1/16/2018

PROJECT NO. U-2525C  
 GUILFORD COUNTY  
 STATION: 337+20.09 -L-

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
 SUBSTRUCTURE  
 BILL OF MATERIALS  
 (RL)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S5-23
1			3			TOTAL SHEETS 38
2			4			

STR. #5

1/12/2018 5:49:26 PM jgelle U:\Structures\Drawing\Site 5\Final\RL U-2525C-SD\_BM.dgn

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DRAWN BY: N. D'AIUTO DATE: 01-26-17  
 CHECKED BY: V. E. FRAGA DATE: 05-18-17  
 DESIGN ENGINEER OF RECORD: T.R. DUDECK DATE: 01/16/18