

**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"			

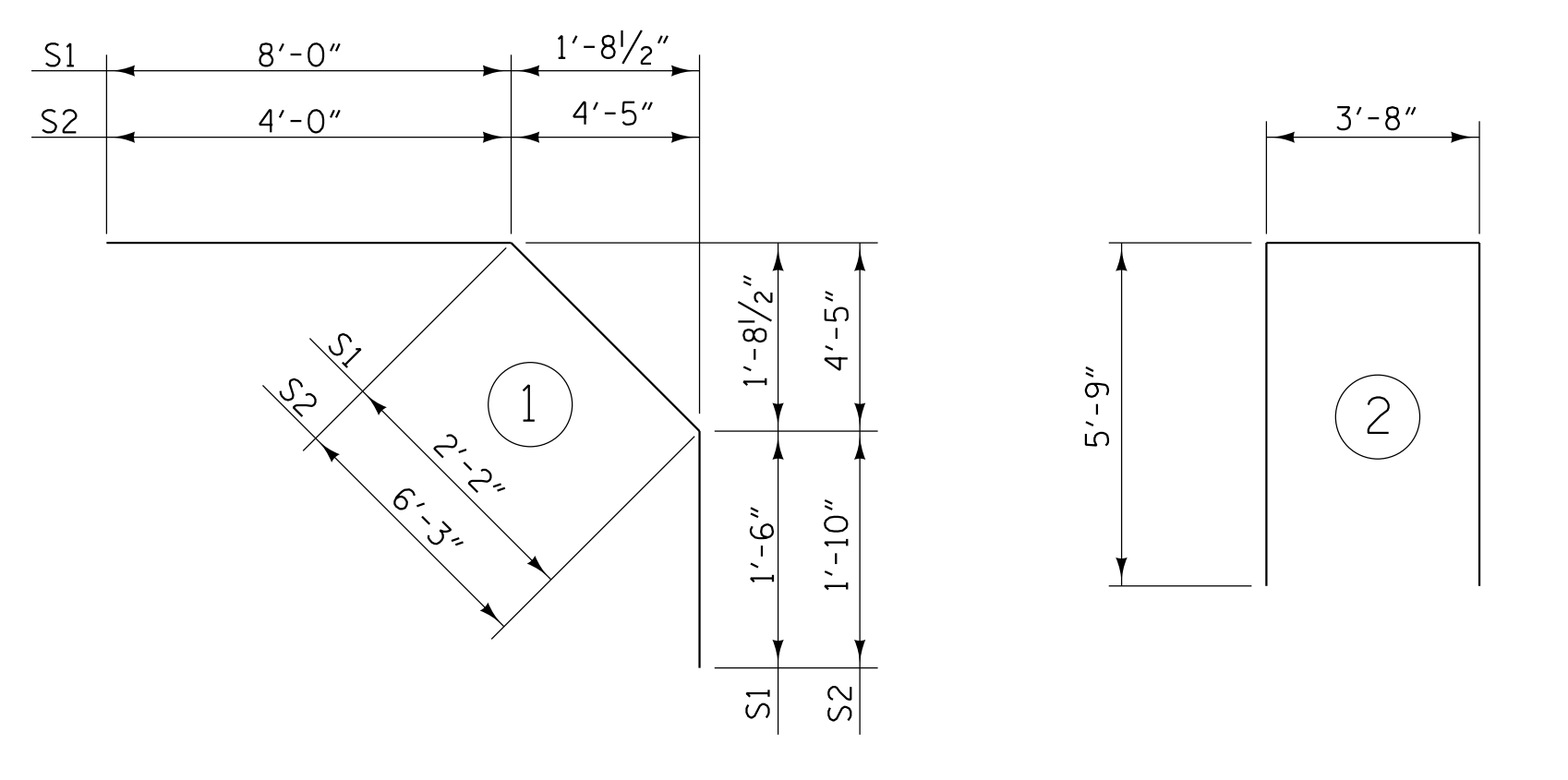
**GROOVING BRIDGE FLOORS**

APPROACH SLABS	976	SQ. FT.
BRIDGE DECK	11520	SQ. FT.
TOTAL	12496	SQ. FT.

**REINFORCING BAR SCHEDULE**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
* A1	585	#5	STR	39'-7"	24152	K1	14	#4	STR	39'-7"	370	
A2	585	#5	STR	39'-7"	24152	K2	6	#4	STR	7'-11"	32	
*A101	2	#5	STR	20'-3"	42	K3	30	#4	STR	9'-6"	190	
A201	2	#5	STR	20'-3"	42	K4	6	#4	STR	6'-6"	26	
B1	60	#5	STR	41'-9"	2613	K5	4	#4	STR	2'-11"	8	
B2	50	#5	STR	24'-0"	1252	K6	20	#4	STR	3'-8"	49	
B3	30	#5	STR	8'-0"	250	K7	4	#4	STR	2'-2"	6	
B4	60	#5	STR	60'-0"	3755	* S1	50	#4	1	11'-8"	390	
B5	25	#5	STR	54'-10"	1430	* S2	50	#4	1	12'-1"	404	
* B6	58	#4	STR	39'-5"	1527	U1	54	#4	2	15'-2"	547	
* B7	156	#5	STR	24'-0"	3905							
* B8	29	#5	STR	19'-7"	592							
* B9	54	#5	STR	60'-0"	3379							
* B10	52	#5	STR	43'-7"	2364							
* B11	52	#5	STR	44'-4"	2404							
B12	30	#5	STR	50'-1"	1567							
B13	60	#5	STR	43'-7"	2727							
* B14	29	#4	STR	39'-7"	767							
* B15	87	#4	STR	28'-3"	1642							
B16	25	#5	STR	55'-9"	1454							
B17	30	#5	STR	9'-2"	287							
* B18	29	#5	STR	21'-1"	638							
					REINFORCING STEEL	LBS.	40757					
					EPOXY COATED REINFORCING STEEL	LBS.	42206					

**BAR TYPES**

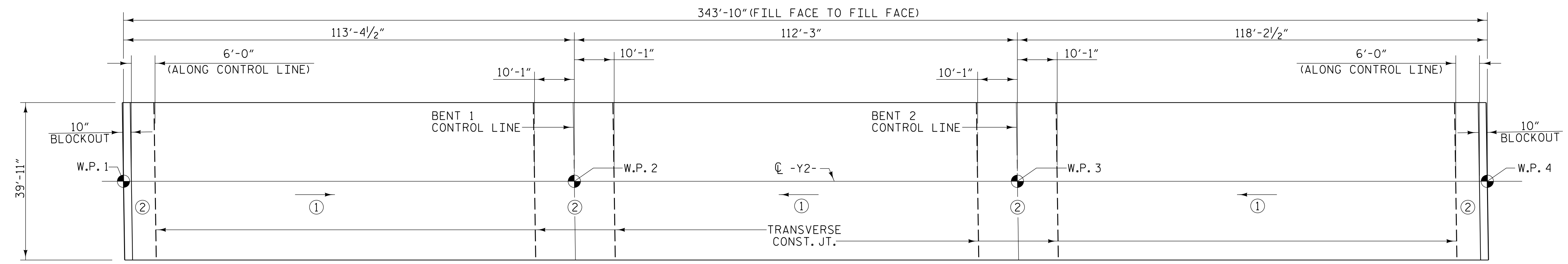


ALL BAR DIMENSIONS ARE OUT TO OUT

**SUPERSTRUCTURE BILL OF MATERIAL**

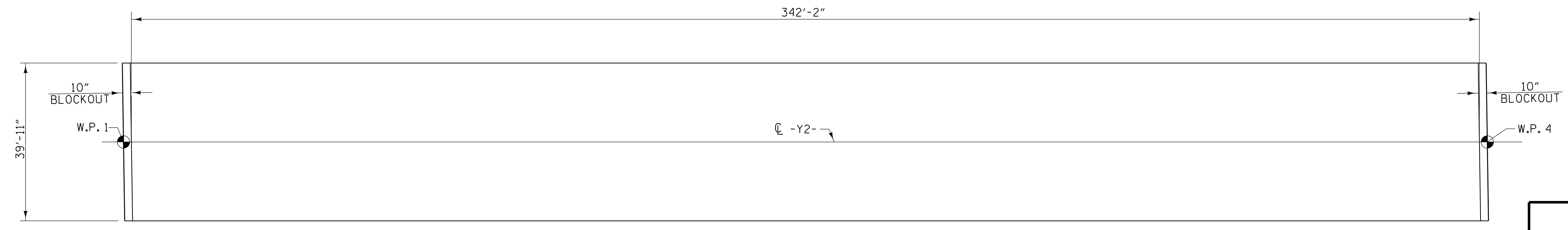
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	* EPOXY COATED REINFORCING STEEL (LBS.)
POUR 1	376.4		
POUR 2	133.1		
<b>** TOTALS</b>	509.5	40757	42206

\* INDICATES EPOXY COATED REINFORCING STEEL  
 \*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



**POURING SEQUENCE SKETCH**

⊕ INDICATES POUR SEQUENCE NUMBER  
 NOTE: POUR 2 CANNOT BE STARTED UNTIL BOTH ADJACENT POURS REACH MINIMUM OF 3000 PSI



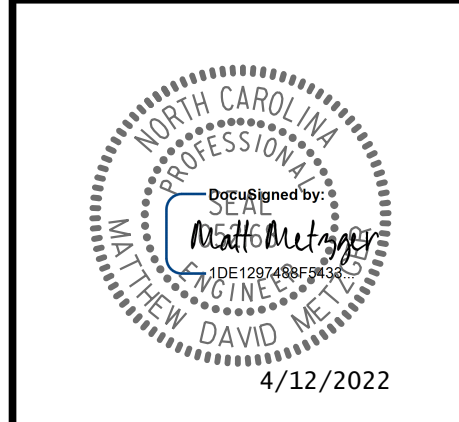
**LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB**

(TOTAL SQ. FT. = 13658)

PLANS PREPARED BY:  
**NV5**  
 NV5 ENGINEERS & CONSULTANTS, INC.  
 3300 REGENCY PARKWAY, SUITE 100  
 CARY, NC 27518  
 P: 919.851.1912 www.NV5.com  
 NC License # F-1333  
 formerly CALIX Engineers & Consultants

PROJECT NO. R-5819  
COLUMBUS COUNTY  
 STATION: 40+06.72 -Y2- POT

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



DRAWN BY: W. B. ALLEN DATE: 8/21  
 CHECKED BY: M. D. METZGER DATE: 8/21  
 DESIGN ENGINEER OF RECORD: M. D. METZGER DATE: 1/22

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			S1-24
2			4			TOTAL SHEETS 38