

**—SUPERSTRUCTURE BILL OF MATERIAL—  
(STAGE I)**

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR #1A	106.4		
POUR #2A	165.8		
POUR #3A	107.3		
POUR #4A	70.5		
<b>TOTALS**</b>	<b>450.0</b>	<b>34,590</b>	<b>39,903</b>

\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

**GROOVING BRIDGE FLOORS**

APPROACH SLABS	2,916	SO.FT.
BRIDGE DECK	18,941	SO.FT.
<b>TOTAL</b>	<b>21,857</b>	<b>SO.FT.</b>

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

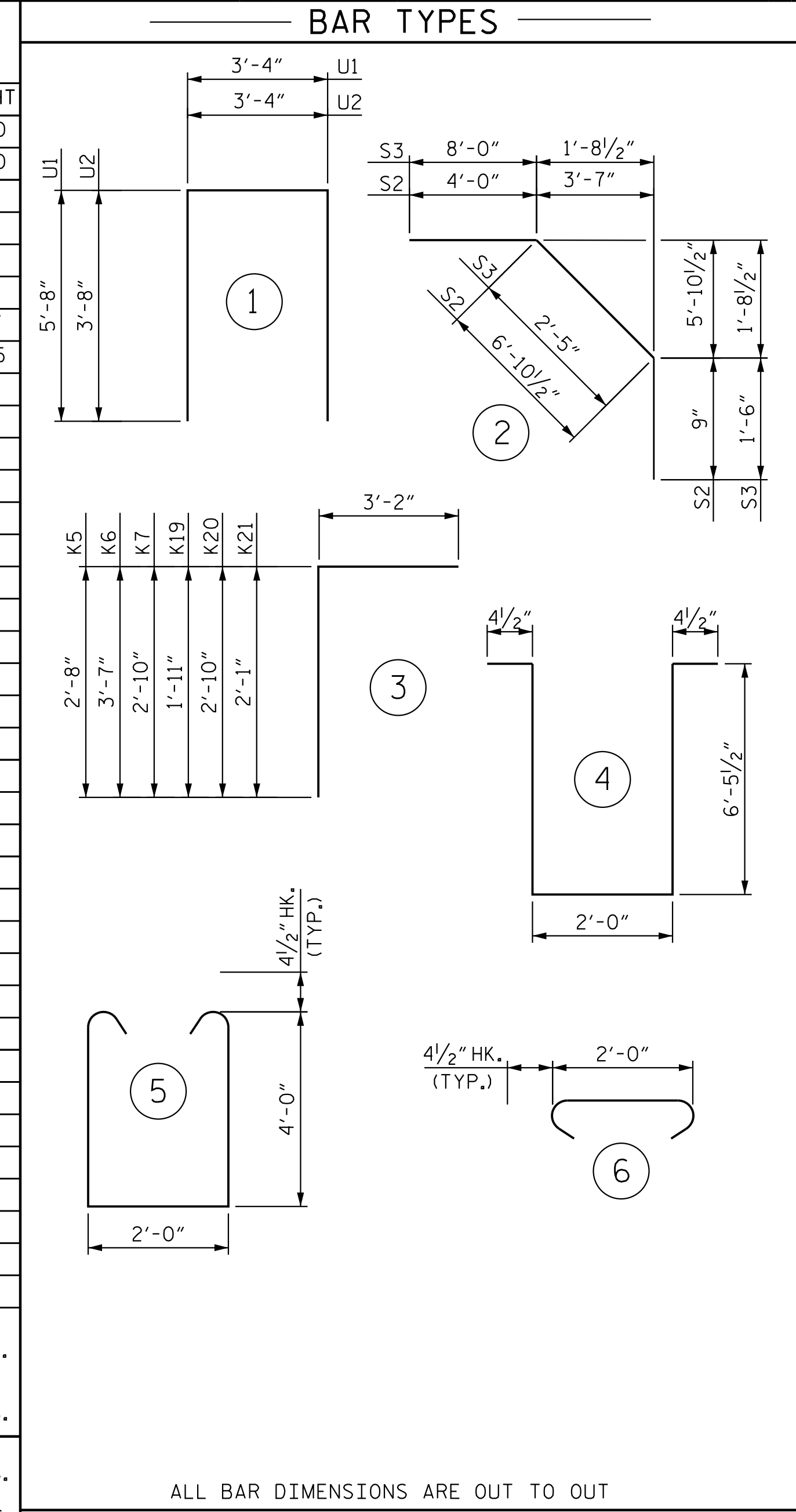
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

**—SUPERSTRUCTURE BILL OF MATERIAL—  
(STAGE II)**

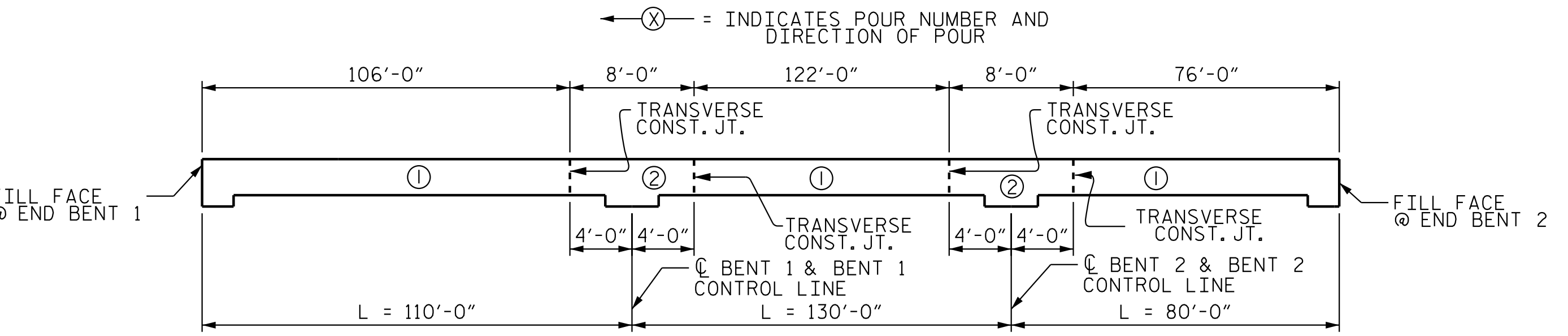
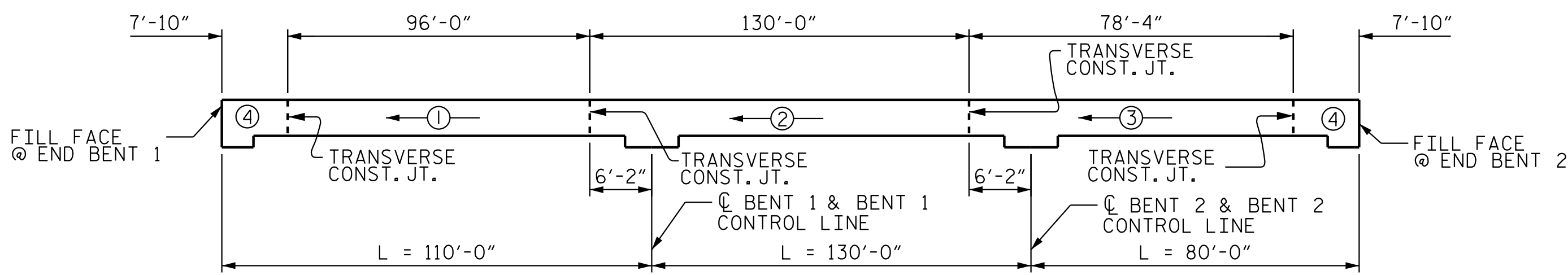
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR #1B	107.1		
POUR #2B	154.3		
POUR #3B	95.4		
POUR #4B	68.7		
POUR #5	23.6		
<b>TOTALS**</b>	<b>449.1</b>	<b>34,337</b>	<b>38,767</b>

\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

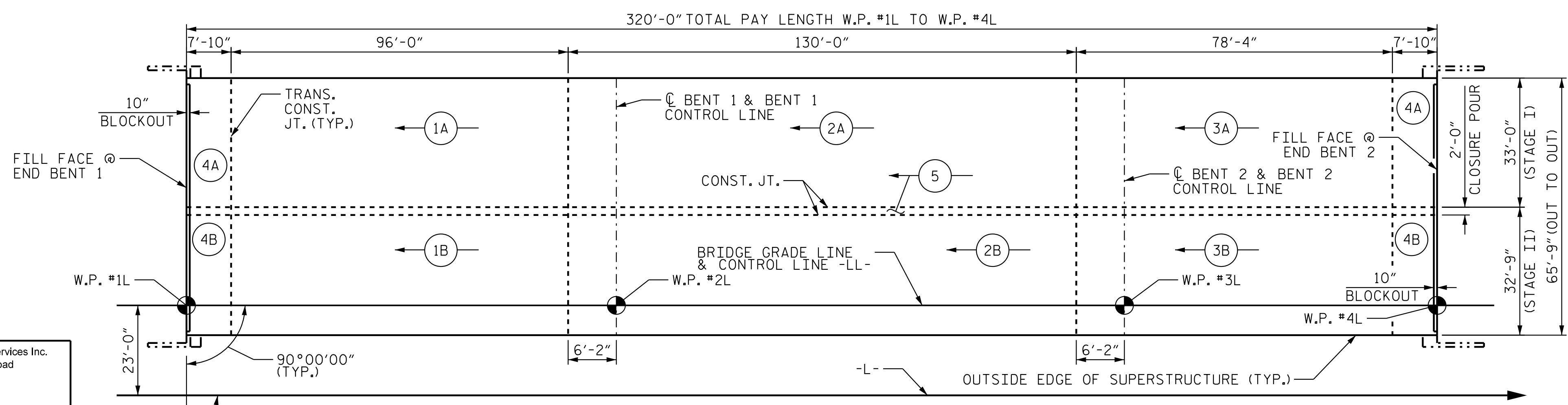
STAGE I REINF. BAR SCHEDULE						STAGE II REINF. BAR SCHEDULE					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	545	#5	STR	32'-8"	18569	*A3	545	#5	STR	30'-5"	17290
A2	545	#5	STR	32'-8"	18569	A4	545	#5	STR	30'-5"	17290
*B1	138	#5	STR	55'-1"	7929	*B1	150	#5	STR	55'-1"	8618
*B2	42	#6	STR	21'-0"	1325	*B2	40	#6	STR	21'-0"	1262
*B3	42	#6	STR	23'-10"	1504	*B3	38	#6	STR	23'-10"	1361
*B4	124	#6	STR	39'-5"	7342	*B4	118	#6	STR	39'-5"	6987
B5	234	#5	STR	54'-6"	13302	B5	252	#5	STR	54'-6"	14325
*D1	545	#5	STR	4'-3"	2416	*D1	545	#5	STR	4'-3"	2416
K1	12	#4	STR	34'-8"	278	K15	12	#4	STR	32'-5"	260
K2	6	#4	STR	6'-2"	25	K16	6	#4	STR	5'-8"	23
K3	24	#4	STR	8'-0"	129	K17	24	#4	STR	7'-6"	121
K4	6	#4	STR	6'-5"	26	K18	6	#4	STR	5'-11"	24
K5	2	#4	3	5'-10"	8	K19	2	#4	3	5'-1"	7
K6	8	#4	3	6'-9"	37	K20	8	#4	3	6'-0"	33
K7	2	#4	3	6'-0"	9	K21	2	#4	3	5'-3"	8
K8	2	#4	STR	2'-9"	4	K22	2	#4	STR	2'-5"	4
K9	8	#4	STR	3'-1"	17	K23	8	#4	STR	3'-4"	18
K10	2	#4	STR	2'-4"	4	K24	2	#4	STR	2'-7"	4
K11	12	#4	STR	5'-0"	41	K25	12	#4	STR	4'-5"	36
K12	60	#4	STR	8'-0"	321	K26	60	#4	STR	7'-6"	301
K13	12	#4	STR	5'-3"	43	K27	12	#4	STR	4'-9"	39
K14	14	#4	STR	30'-7"	287	K28	4	#4	STR	2'-1"	6
						K29	20	#4	STR	5'-1"	68
U1	42	#4	1	14'-8"	412	K30	4	#4	STR	2'-4"	7
U2	18	#4	1	10'-8"	129	K31	14	#4	STR	29'-0"	272
U3	36	#4	4	15'-8"	377						
U4	12	#4	5	10'-9"	87	U1	42	#4	1	14'-8"	412
						U2	16	#4	1	10'-8"	115
S1	264	#4	6	2'-9"	485	U3	34	#4	4	15'-8"	356
*S2	64	#4	2	11'-8"	499	U4	16	#4	5	10'-9"	115
*S3	40	#4	2	11'-11"	319						
						S1	268	#4	6	2'-9"	493
						*S2	68	#4	2	11'-8"	530
						*S3	38	#4	2	11'-11"	303



REINFORCING STEEL	34,590 LBS.	REINFORCING STEEL	34,337 LBS.
*EPOXY COATED REINFORCING STEEL	39,903 LBS.	*EPOXY COATED REINFORCING STEEL	38,767 LBS.
<b>TOTAL STAGE I AND STAGE II</b>	<b>REINFORCING STEEL</b>	<b>68,927 LBS.</b>	
	<b>EPOXY COATED REINFORCING STEEL</b>	<b>78,670 LBS.</b>	



POUR ② CAN NOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3000 PSI.



PROJECT NO. R-2707D  
CLEVELAND COUNTY  
 STATION: 849+00.00 -L-



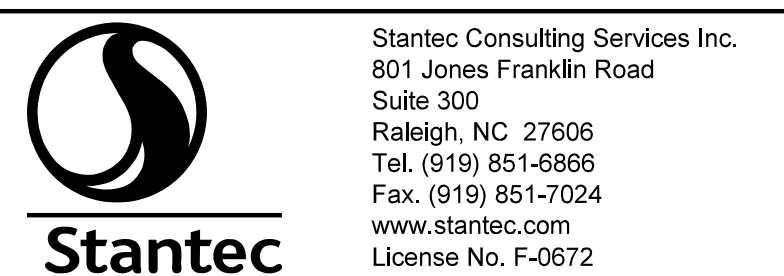
STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH

**SUPERSTRUCTURE  
 BILL OF MATERIAL**

(LEFT LANE)

REVISIONS						SHEET NO. S5-34
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			TOTAL SHEETS 56
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



DRAWN BY: J. B. GEILE DATE: 10/11/18 DESIGN ENGINEER OF RECORD: S.S. POOLE DATE: 05/09/23  
 CHECKED BY: S. S. POOLE DATE: 12/10/22

5/9/2023 2:04:19 PM jHogenbush