

REINFORCING BAR SCHEDULE

SPANS A-B-C						SPANS D-E-F						SPANS G-H-I					
BAR No.	SIZE	TYPE	LENGTH	WEIGHT		BAR No.	SIZE	TYPE	LENGTH	WEIGHT		BAR No.	SIZE	TYPE	LENGTH	WEIGHT	
* A1	463	#5	STR.	34'-11"	16,862	* A1	642	#5	STR.	34'-11"	23,380	* A1	538	#5	STR.	34'-11"	19,593
A2	463	#5	STR.	34'-11"	16,862	A2	642	#5	STR.	34'-11"	23,380	A2	538	#5	STR.	34'-11"	19,593
* A101	35	#5	STR.	35'- 5"	1,293	B1	203	#5	STR.	55'- 4"	11,716	* B6	69	#4	STR.	40'- 5"	1,863
* A102	35	#5	STR.	35'-11"	1,311	* B4	20	#4	STR.	39'-3"	524	* B7	89	#6	STR.	19'- 0"	2,540
* A103	35	#5	STR.	36'- 5"	1,329	* B6	138	#4	STR.	40'-5"	3,726	* B8	69	#4	STR.	37'-11"	1,748
* A104	35	#5	STR.	36'-11"	1,348	* B7	178	#6	STR.	19'-0"	5,080	B9	174	#5	STR.	54'- 3"	9,845
* A105	38	#5	STR.	37'- 5"	1,483	* B8	69	#4	STR.	37'-11"	1,748	* B10	18	#4	STR.	36'- 7"	440
A201	35	#5	STR.	35'- 5"	1,293	* G2	2	#5	STR.	34'-11"	73	* B11	46	#4	STR.	30'-11"	950
A202	35	#5	STR.	35'-11"	1,311	* K1	8	#8	1	14'-0"	299	* B12	89	#6	STR.	16'- 3"	2172
A203	35	#5	STR.	36'- 5"	1,329	* K2	8	#8	2	20'-5"	436	* G2	2	#5	STR.	34'-11"	73
A204	35	#5	STR.	36'-11"	1,348	* S1	36	#5	3	6'-0"	225	* K1	8	#8	1	14'-0"	299
A205	38	#5	STR.	37'- 5"	1,483							* K2	8	#8	2	20'-5"	436
B1	105	#5	STR.	55'- 4"	6,060							* S1	36	#5	3	6'-0"	225
B2	54	#5	STR.	42'- 8"	2,403	REINFORCING STEEL				35,096 LBS.	REINFORCING STEEL					29,438 LBS.	
B3	70	#5	STR.	51'- 7"	3,766	* EPOXY COATED REINFORCING STEEL				35,491 LBS.	* EPOXY COATED REINFORCING STEEL					30,339 LBS.	
* B4	20	#4	STR.	39'-3"	524												
* B5	4	#4	STR.	47'-8"	127												
* B6	138	#4	STR.	40'-5"	3,726												
* B7	178	#6	STR.	19'-0"	5,080												
* B8	69	#4	STR.	37'-11"	1,748												
* G1	1	#5	STR.	37'-11"	40												
* G2	1	#5	STR.	34'-11"	36												
* K1	8	#8	1	14'-0"	299												
* K2	8	#8	2	20'-5"	436												
* S1	40	#5	3	6'-0"	250												
REINFORCING STEEL					35,855 LBS.												
* EPOXY COATED REINFORCING STEEL					35,892 LBS.												

CLASS AA CONCRETE BREAKDOWN

POUR #1

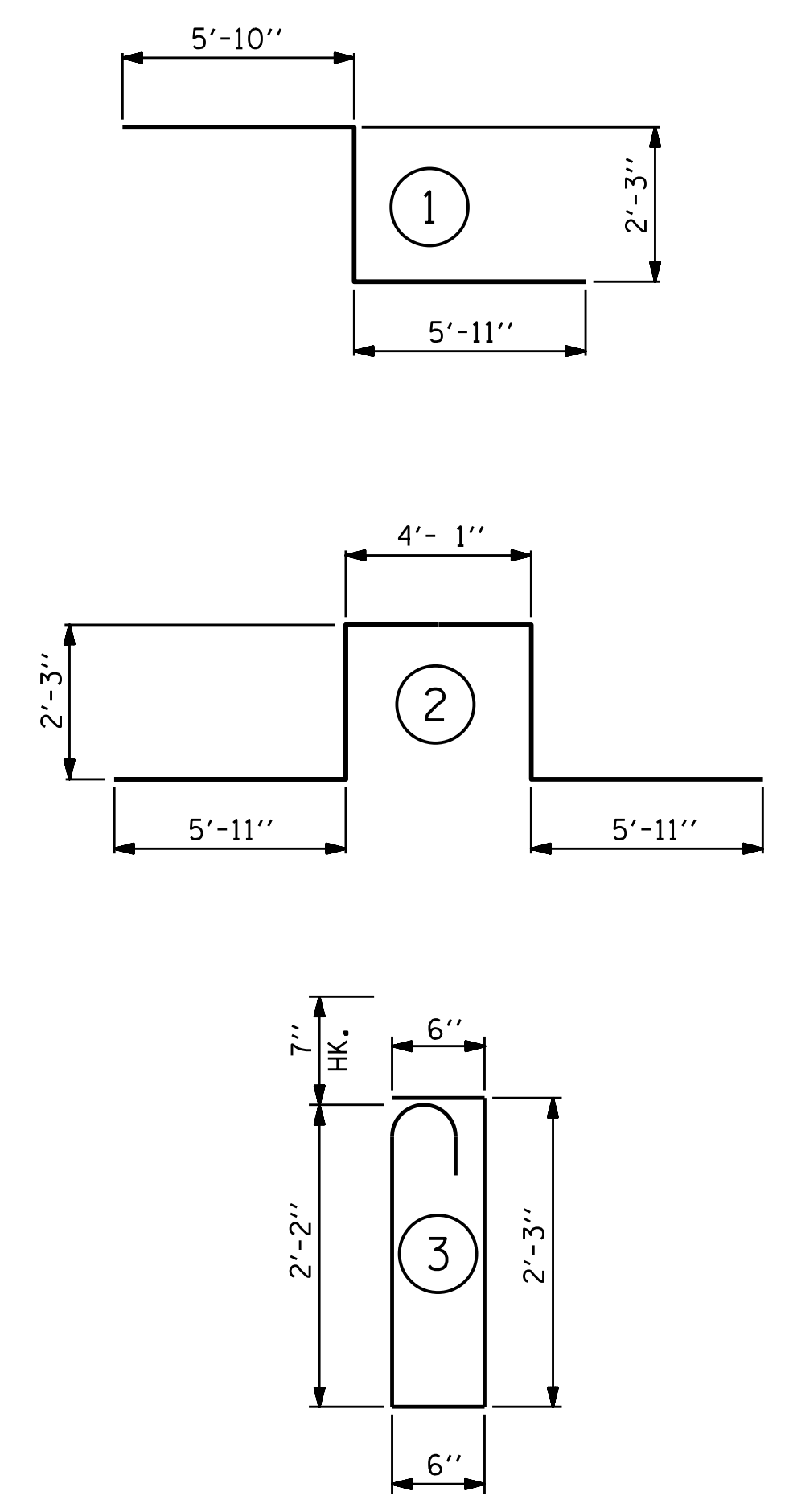
SPAN A	146.0	CU. YDS.
SPAN B	124.5	CU. YDS.
SPAN C	139.8	CU. YDS.
SPAN D	139.8	CU. YDS.
SPAN E	124.5	CU. YDS.
SPAN F	139.8	CU. YDS.
SPAN G	139.8	CU. YDS.
SPAN H	124.5	CU. YDS.
SPAN I	70.0	CU. YDS.
TOTAL POUR #1	1,148.7	CU. YDS.

POUR #2

@ W. P. #2	27.4	CU. YDS.
@ W. P. #3	27.3	CU. YDS.
@ W. P. #5	27.3	CU. YDS.
@ W. P. #6	27.3	CU. YDS.
@ W. P. #8	27.3	CU. YDS.
@ W. P. #9	24.0	CU. YDS.
TOTAL POUR #2	160.6	CU. YDS.
TOTAL	1,309.3	CU. YDS.

FOR LOCATION OF POURS, SEE "CONCRETE DECK POUR DETAILS" SHEET

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	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

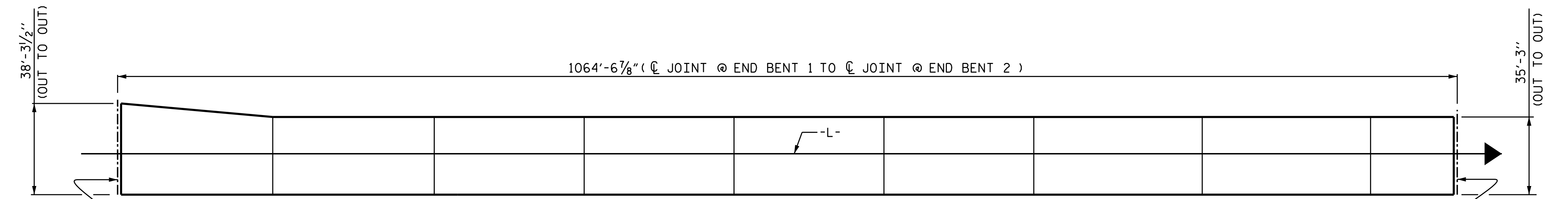
APPROACH SLABS	1,454	SO.FT.
BRIDGE DECK	30,983	SO.FT.
TOTAL	32,437	SO.FT.

SUPERSTRUCTURE BILL OF MATERIAL

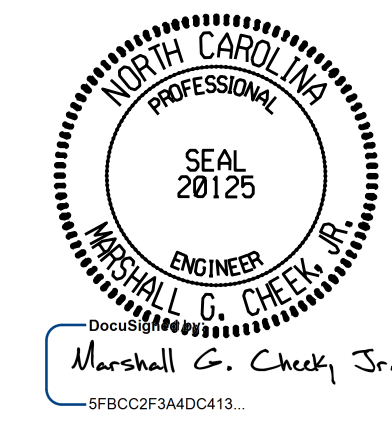
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
SPANS A-B-C	465.0	35,855	35,892
SPANS D-E-F	458.7	35,096	35,491
SPANS G-H-I	385.6	29,438	30,339
TOTALS**	1309.3	100,389	101,722

\*\*QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

PROJECT NO. B-5825  
YADKIN/FORSYTH COUNTY  
STATION: 34+65.50 -L-



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 37,716)



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

SUPERSTRUCTURE BILL OF MATERIAL

ASSEMBLED BY : S. B. WILLIAMS	DATE : 10/19
CHECKED BY : MGC	DATE : 1/20
DRAWN BY : JMB 5/87	REV. 10/1/11 MAA/GM
CHECKED BY : SJD 9/87	REV. 12/17 MAA/THC
	REV. 06/19 BNB/THC

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED  
TGS ENGINEERS  
706 HILLSBOROUGH STREET  
SUITE 200  
RALEIGH, NC 27603  
PH (919) 773-8887  
CORP. LICENSE NO.: C-0275

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-35
1			3			TOTAL SHEETS
2			4			60