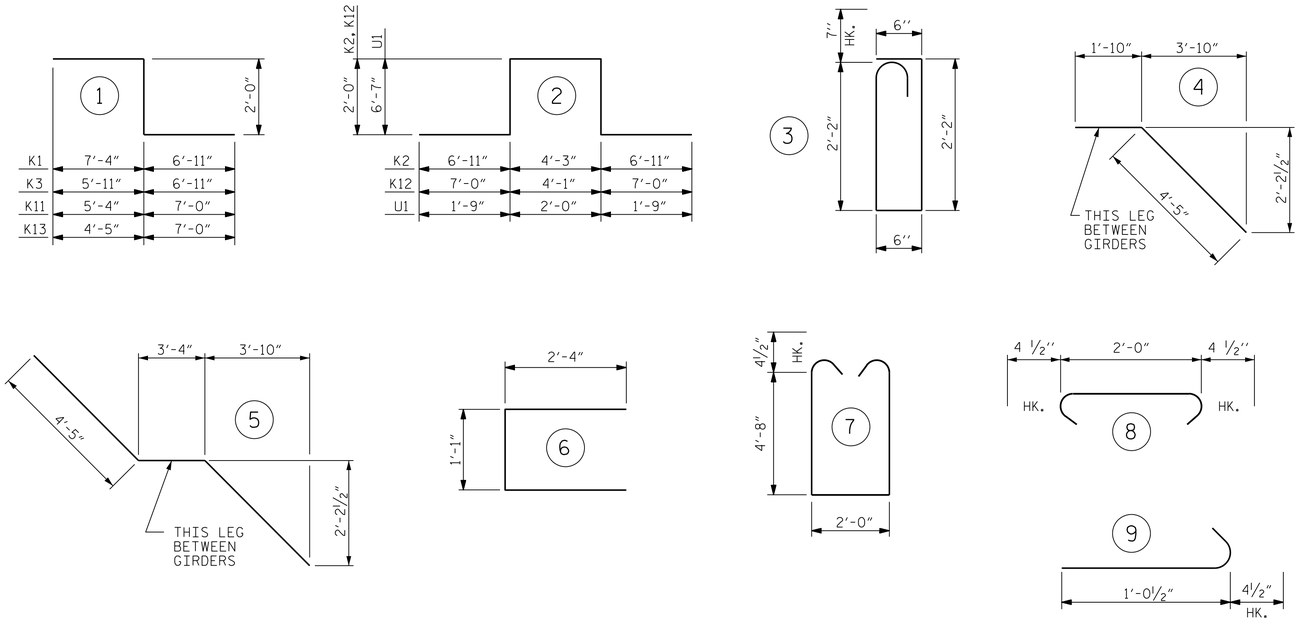
BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ A1	496	#5	STR	42'-11"	22202
A2	496	#5	STR	42'-11"	22202
✳ A101	2	#5	STR	2'-1"	4
✳ A102	2	#5	STR	5'-6"	11
✳ A103	2	#5	STR	8'-11"	19
✳ A104	2	#5	STR	12'-4"	26
✳ A105	2	#5	STR	15'-9"	33
✳ A106	2	#5	STR	19'-2"	40
✳ A107	2	#5	STR	22'-7"	47
✳ A108	2	#5	STR	26'-0"	54
✳ A109	2	#5	STR	29'-5"	61
✳ A110	2	#5	STR	32'-10"	68
✳ A111	2	#5	STR	36'-3"	76
✳ A112	2	#5	STR	39'-9"	83
✳ A113	2	#5	STR	39'-6"	82
✳ A114	2	#5	STR	35'-10"	75
✳ A115	2	#5	STR	32'-2"	67
✳ A116	2	#5	STR	28'-6"	59
✳ A117	2	#5	STR	24'-9"	52
✳ A118	2	#5	STR	21'-1"	44
✳ A119	2	#5	STR	17'-5"	36
✳ A120	2	#5	STR	13'-9"	29
✳ A121	2	#5	STR	10'-0"	21
✳ A122	2	#5	STR	6'-4"	13
✳ A123	2	#5	STR	2'-8"	6

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A201	2	#5	STR	2'-1"	4
A202	2	#5	STR	5'-6"	11
A203	2	#5	STR	8'-11"	19
A204	2	#5	STR	12'-4"	26
A205	2	#5	STR	15'-9"	33
A206	2	#5	STR	19'-2"	40
A207	2	#5	STR	22'-7"	47
A208	2	#5	STR	26'-0"	54
A209	2	#5	STR	29'-5"	61
A210	2	#5	STR	32'-10"	68
A211	2	#5	STR	36'-3"	76
A212	2	#5	STR	39'-9"	83
A213	2	#5	STR	39'-6"	82
A214	2	#5	STR	35'-10"	75
A215	2	#5	STR	32'-2"	67
A216	2	#5	STR	28'-6"	59
A217	2	#5	STR	24'-9"	52
A218	2	#5	STR	21'-1"	44
A219	2	#5	STR	17'-5"	36
A220	2	#5	STR	13'-9"	29
A221	2	#5	STR	10'-0"	21
A222	2	#5	STR	6'-4"	13
A223	2	#5	STR	2'-8"	6
✳ B1	93	#4	STR	29'-10"	1853
B2	216	#5	STR	52'-6"	11828
✳ B3	31	#7	STR	32'-0"	2028
✳ B4	31	#7	STR	56'-3"	3564
✳ B5	56	#7	STR	42'-0"	4807
✳ B6	31	#4	STR	18'-2"	376
✳ B7	31	#6	STR	22'-0"	1024
✳ B8	31	#6	STR	45'-0"	2095
✳ B9	56	#6	STR	42'-0"	3533
✳ B10	93	#4	STR	22'-0"	1367

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
✳ G1	2	#5	STR	47'-3"	99
✳ G2	2	#5	STR	43'-9"	91
✳ J1	85	#4	9	1'-5"	80
✳ K1	2	#8	1	16'-3"	87
✳ K2	6	#8	2	22'-1"	354
✳ K3	2	#8	1	14'-10"	79
✳ K4	4	#6	STR	9'-1"	55
✳ K5	4	#6	STR	6'-9"	41
✳ K6	4	#6	STR	5'-3"	32
K7	32	#4	STR	5'-3"	112
K8	80	#4	STR	8'-6"	454
K9	28	#4	4	6'-3"	117
K10	42	#4	5	12'-2"	341
✳ K11	2	#8	1	14'-4"	77
✳ K12	6	#8	2	22'-1"	354
✳ K13	2	#8	1	13'-5"	72
✳ K14	4	#6	STR	5'-6"	33
✳ K15	4	#6	STR	8'-5"	51
✳ K16	4	#6	STR	9'-4"	56
✳ S1	48	#4	6	5'-9"	184
✳ S2	48	#5	3	5'-11"	296
S3	352	#4	8	2'-9"	647
✳ U1	48	#4	2	18'-8"	599
U2	16	#4	7	12'-1"	129

REINFORCING STEEL (LBS.) 36,836

✳ EPOXY COATED REINFORCING STEEL (LBS.) 46,495

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
POUR 1	176.9		
POUR 2	157.4		
POUR 3	169.6		
POUR 4	17.4		
TOTALS✳✳	521.3	36,836	46,495

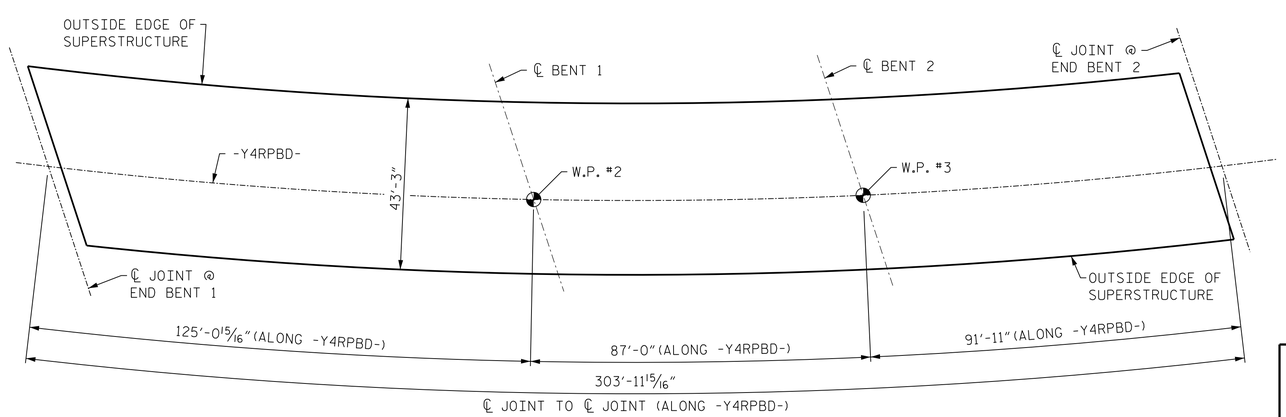
✳✳QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,850 SQ.FT.
BRIDGE DECK	11,248 SQ.FT.
TOTAL	13,098 SQ.FT.

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"			



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 13,148)

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 52+94.28 -Y4RPBD-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
SUPERSTRUCTURE BILL OF MATERIAL

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
DocuSigned by: 6/2/2014
Jason R Doughty
00F1C86448274F7...

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-611
1			3			TOTAL SHEETS
2			4			707

STR. #16

STD. NO. BOM2

DESIGNED BY:	J. SMITH	DATE :	APR 2014
DRAWN BY:	K. WHITE	DATE :	APR 2014
CHECKED BY:	J. SHERMAN	DATE :	APR 2014
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	MAY 2014

DRAWN BY : JMB 5/87
CHECKED BY : SJD 9/87

REV. 8/16/99 RWW/LES
REV. 5/1/06 TLA/GM
REV. 10/1/11'-0"-0" MAA/GM

6/2/2014
173498C_SD_BOM_16.dgn