

SUPERSTRUCTURE BILL OF MATERIAL			
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR 1	40.4		
POUR 2	106.2		
POUR 3	73.8		
POUR 4	52.2		
TOTALS**	272.6	28,381	26,645

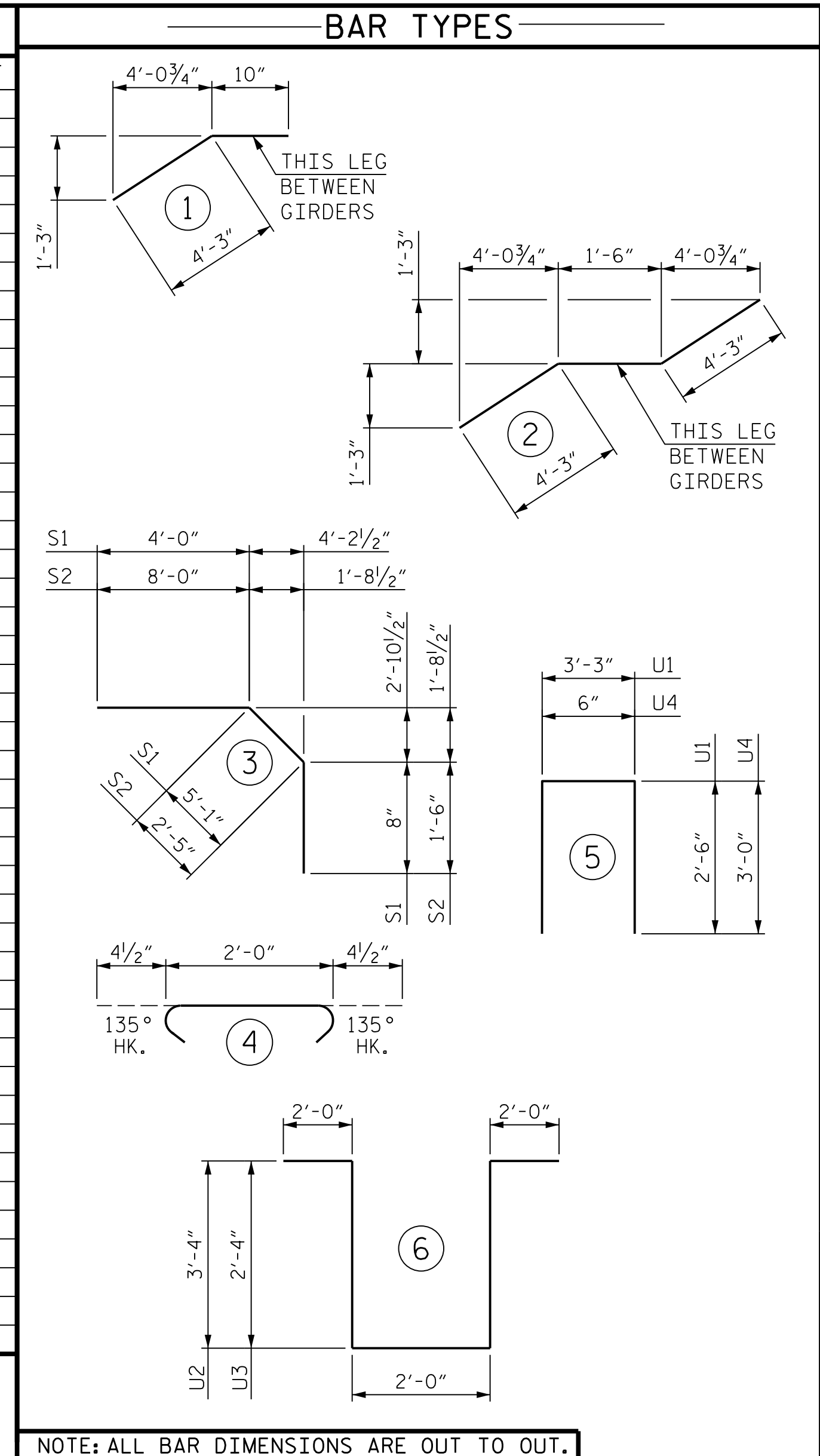
** QUANTITIES FOR CONCRETE BARRIER RAIL ARE NOT INCLUDED

BAR SIZE	SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS				
	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"			

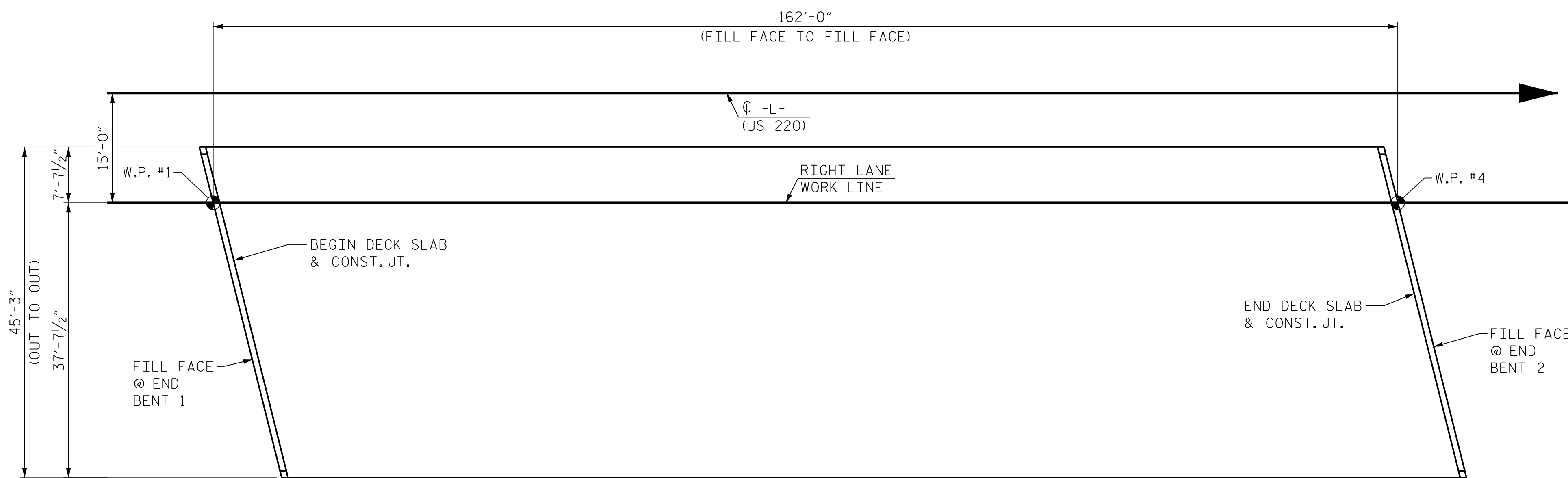
GROOVING BRIDGE FLOORS	
APPROACH SLABS	1,898 SQ.FT.
BRIDGE DECK	6,238 SQ.FT.
TOTAL	8,136 SQ.FT.

REINFORCING BAR SCHEDULE						REINFORCING BAR SCHEDULE					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	298	#5	STR	44'-11"	13,961	A212	2	#5	STR	21'-4"	45
A2	298	#5	STR	44'-11"	13,961	A213	2	#5	STR	19'-4"	40
						A214	2	#5	STR	17'-4"	36
* A101	2	#5	STR	43'-5"	91	A215	2	#5	STR	15'-4"	32
* A102	2	#5	STR	41'-5"	86	A216	2	#5	STR	13'-4"	28
* A103	2	#5	STR	39'-5"	82	A217	2	#5	STR	11'-4"	24
* A104	2	#5	STR	37'-5"	78	A218	2	#5	STR	9'-4"	19
* A105	2	#5	STR	35'-4"	74	A219	2	#5	STR	7'-4"	15
* A106	2	#5	STR	33'-4"	70	A220	2	#5	STR	5'-4"	11
* A107	2	#5	STR	31'-4"	65	A221	2	#5	STR	3'-3"	7
* A108	2	#5	STR	29'-4"	61	A222	2	#5	STR	1'-3"	3
* A109	2	#5	STR	27'-4"	57						
* A110	2	#5	STR	25'-4"	53	* B1	142	#6	STR	9'-6"	2,026
* A111	2	#5	STR	23'-4"	49	* B2	37	#4	STR	21'-8"	536
* A112	2	#5	STR	21'-4"	45	* B3	74	#6	STR	45'-6"	5,057
* A113	2	#5	STR	19'-4"	40	* B4	68	#6	STR	18'-0"	1,838
* A114	2	#5	STR	17'-4"	36	* B5	37	#4	STR	22'-0"	544
* A115	2	#5	STR	15'-4"	32	* B6	37	#4	STR	18'-8"	461
* A116	2	#5	STR	13'-4"	28	B7	252	#5	STR	41'-8"	10,952
* A117	2	#5	STR	11'-4"	24						
* A118	2	#5	STR	9'-4"	19	K1	16	#4	STR	24'-1"	257
* A119	2	#5	STR	7'-4"	15	K2	10	#4	STR	6'-2"	41
* A120	2	#5	STR	5'-4"	11	K3	60	#4	STR	7'-1"	284
* A121	2	#5	STR	3'-3"	7	K4	30	#4	STR	6'-8"	134
* A122	2	#5	STR	1'-3"	3	K5	4	#4	STR	2'-0"	5
A201	2	#5	STR	43'-5"	91	K6	8	#4	STR	2'-5"	13
A202	2	#5	STR	41'-5"	86	K7	4	#4	STR	2'-3"	6
A203	2	#5	STR	39'-5"	82	K8	16	#4	STR	5'-1"	54
A204	2	#5	STR	37'-5"	78	K9	32	#4	STR	10'-0"	214
A205	2	#5	STR	35'-4"	74	K10	20	#4	STR	5'-0"	67
A206	2	#5	STR	33'-4"	70						
A207	2	#5	STR	31'-4"	65	* S1	78	#4	STR	9'-9"	508
A208	2	#5	STR	29'-4"	61	* S2	82	#4	STR	11'-11"	653
A209	2	#5	STR	27'-4"	57	S3	190	#4	STR	2'-9"	349
A210	2	#5	STR	25'-4"	53						
A211	2	#5	STR	23'-4"	49	U1	82	#4	STR	8'-3"	452
						U2	50	#4	STR	12'-8"	423
						U3	20	#4	STR	10'-8"	143
						* U4	8	#4	STR	6'-6"	35

REINFORCING STEEL 28,381 LBS.
* EPOXY COATED REINFORCING STEEL 26,645 LBS.



NOTE: ALL BAR DIMENSIONS ARE OUT TO OUT.



LAYOUT FOR COMPUTING AREA
REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 7,331)

DRAWN BY : D. H. CARTER DATE : FEB 2018
CHECKED BY : M. T. NEIHEISEL DATE : FEB 2018
DESIGN ENGINEER OF RECORD : M. T. NEIHEISEL DATE : FEB 2018

ICA Engineering, Inc.
555 Fayetteville St.,
Suite 900
Raleigh, NC 27601
NC License No: F-0258



DocuSigned by:
Matthew T. Neiheisel
2/20/2018
44E318F9E30749E

PROJECT NO. B-5352
ROCKINGHAM COUNTY
STATION: P.O.T. 22+16.89 -L-
SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUPERSTRUCTURE BILL OF MATERIAL					
REVISIONS					
BY:	DATE:	NO.	BY:	DATE:	SHEET NO.
		3			S-24
		4			TOTAL SHEETS 37

PLOT DRIVER: NCDOT STRUCTURES DEFAULT PLOTTER.pht PENTABLE: NCDOT STRUCTURES DEFAULT PEN.tbl
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