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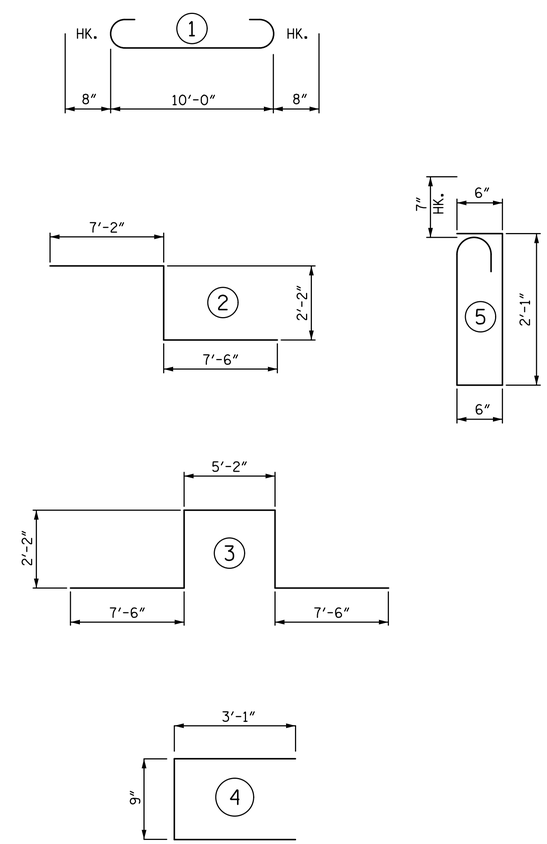
SUPERSTRUCTURE REINFORCING STEEL LENGTHS ARE BASED ON THE FOLLOWING MINIMUM SPLICE LENGTHS

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″			

GROOVING BRIDGE FLOORS

APPROACH SLABS	1,539	SF
BRIDGE DECK	3,783	SF
TOTAL	5,384	SF

BAR TYPES

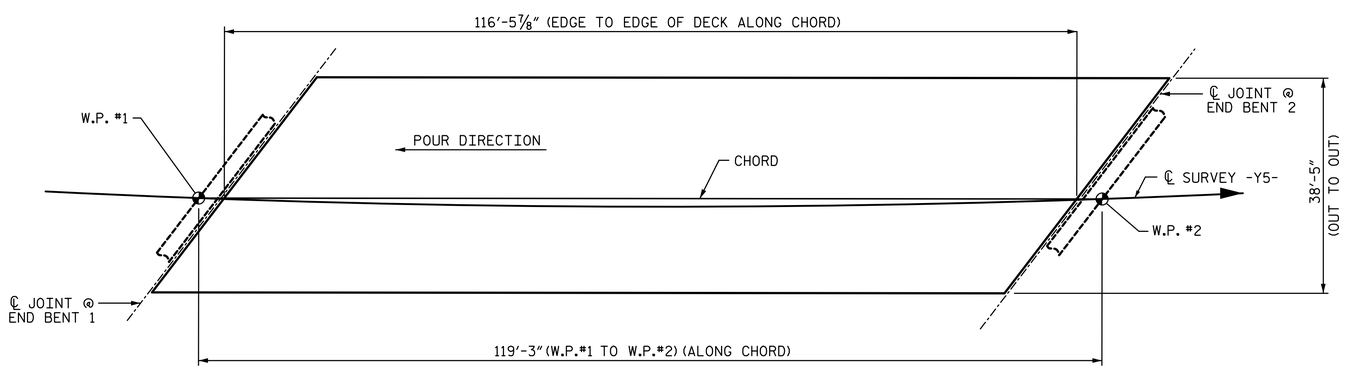


ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	147	5	STR	38′-1″	5839	A148E	2	5	STR	3′-5″	7	A247	2	5	STR	4′-2″	9
A2	147	5	STR	38′-1″	5839	A149E	2	5	STR	2′-9″	6	A248	2	5	STR	3′-5″	7
						A150E	2	5	STR	2′-0″	4	A249	2	5	STR	2′-9″	6
A101E	2	5	STR	37′-5″	78							A250	2	5	STR	2′-0″	4
A102E	2	5	STR	36′-8″	76	A201	2	5	STR	37′-5″	78						
A103E	2	5	STR	35′-11″	75	A202	2	5	STR	36′-8″	76	B1E	135	4	STR	24′-9″	2232
A104E	2	5	STR	35′-3″	74	A203	2	5	STR	35′-11″	75	B2	60	5	STR	59′-0″	3692
A105E	2	5	STR	34′-6″	72	A204	2	5	STR	35′-3″	74						
A106E	2	5	STR	33′-9″	70	A205	2	5	STR	34′-6″	72	G1E	2	5	STR	48′-10″	102
A107E	2	5	STR	33′-1″	69	A206	2	5	STR	33′-9″	70						
A108E	2	5	STR	32′-4″	67	A207	2	5	STR	33′-1″	69	K1E	18	6	STR	8′-0″	216
A109E	2	5	STR	31′-7″	66	A208	2	5	STR	32′-4″	67	K2E	12	6	1	11′-4″	204
A110E	2	5	STR	30′-11″	64	A209	2	5	STR	31′-7″	66	K3E	8	8	2	16′-10″	360
A111E	2	5	STR	30′-2″	63	A210	2	5	STR	30′-11″	64	K4E	8	8	3	24′-6″	523
A112E	2	5	STR	29′-5″	61	A211	2	5	STR	30′-2″	63						
A113E	2	5	STR	28′-9″	60	A212	2	5	STR	29′-5″	61	S1E	48	4	4	6′-11″	222
A114E	2	5	STR	28′-0″	58	A213	2	5	STR	28′-9″	60	S2E	48	5	5	5′-9″	288
A115E	2	5	STR	27′-3″	57	A214	2	5	STR	28′-0″	58						
A116E	2	5	STR	26′-7″	55	A215	2	5	STR	27′-3″	57	REINFORCING STEEL					11582 LBS
A117E	2	5	STR	25′-10″	54	A216	2	5	STR	26′-7″	55						
A118E	2	5	STR	25′-1″	52	A217	2	5	STR	25′-10″	54	EPOXY COATED					
A119E	2	5	STR	24′-5″	51	A218	2	5	STR	25′-1″	52	REINFORCING STEEL					12037 LBS
A120E	2	5	STR	23′-8″	49	A219	2	5	STR	24′-5″	51						
A121E	2	5	STR	22′-11″	48	A220	2	5	STR	23′-8″	49	CLASS "AA" CONCRETE					153.4 CY
A122E	2	5	STR	22′-3″	46	A221	2	5	STR	22′-11″	48						
A123E	2	5	STR	21′-6″	45	A222	2	5	STR	22′-3″	46						
A124E	2	5	STR	20′-9″	43	A223	2	5	STR	21′-6″	45						
A125E	2	5	STR	20′-1″	42	A224	2	5	STR	20′-9″	43						
A126E	2	5	STR	19′-4″	40	A225	2	5	STR	20′-1″	42						
A127E	2	5	STR	18′-7″	39	A226	2	5	STR	19′-4″	40						
A128E	2	5	STR	17′-11″	37	A227	2	5	STR	18′-7″	39						
A129E	2	5	STR	17′-2″	36	A228	2	5	STR	17′-11″	37						
A130E	2	5	STR	16′-5″	34	A229	2	5	STR	17′-2″	36						
A131E	2	5	STR	15′-9″	33	A230	2	5	STR	16′-5″	34						
A132E	2	5	STR	15′-0″	31	A231	2	5	STR	15′-9″	33						
A133E	2	5	STR	14′-3″	30	A232	2	5	STR	15′-0″	31						
A134E	2	5	STR	13′-7″	28	A233	2	5	STR	14′-3″	30						
A135E	2	5	STR	12′-10″	27	A234	2	5	STR	13′-7″	28						
A136E	2	5	STR	12′-1″	25	A235	2	5	STR	12′-10″	27						
A137E	2	5	STR	11′-5″	24	A236	2	5	STR	12′-1″	25						
A138E	2	5	STR	10′-8″	22	A237	2	5	STR	11′-5″	24						
A139E	2	5	STR	9′-11″	21	A238	2	5	STR	10′-8″	22						
A140E	2	5	STR	9′-3″	19	A239	2	5	STR	9′-11″	21						
A141E	2	5	STR	8′-6″	18	A240	2	5	STR	9′-3″	19						
A142E	2	5	STR	7′-9″	16	A241	2	5	STR	8′-6″	18						
A143E	2	5	STR	7′-1″	15	A242	2	5	STR	7′-9″	16						
A144E	2	5	STR	6′-4″	13	A243	2	5	STR	7′-1″	15						
A145E	2	5	STR	5′-7″	12	A244	2	5	STR	6′-4″	13						
A146E	2	5	STR	4′-11″	10	A245	2	5	STR	5′-7″	12						
A147E	2	5	STR	4′-2″	9	A246	2	5	STR	4′-11″	10						

"E" INDICATES EPOXY COATED REINFORCING STEEL



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB

(SF = 4,475)

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 23+59.12 -Y5-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE

BILL OF MATERIAL

DRAWN BY: S. D. COOPER	DATE: 3-14	
CHECKED BY: T. J. BEACH	DATE: 3-14	
DESIGN ENGINEER OF RECORD: M. AVERETTE	DATE: 3-14	

PLANS PREPARED BY:
SIMPSON ENGINEERS & ASSOCIATES
5640 Dillard Drive
Suite 200
Cary, NC 27518
(919) 852-0468
(919) 852-0598 (Fax)
www.simpsonengr.com
LICENSURE NO. C-2521

NORTH CAROLINA PROFESSIONAL SEAL 023908 ENGINEER MARK A. AVERETTE
DocuSigned by: Mark Averette
8/15/2014

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-648
1			3			TOTAL SHEETS
2			4			S-707

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