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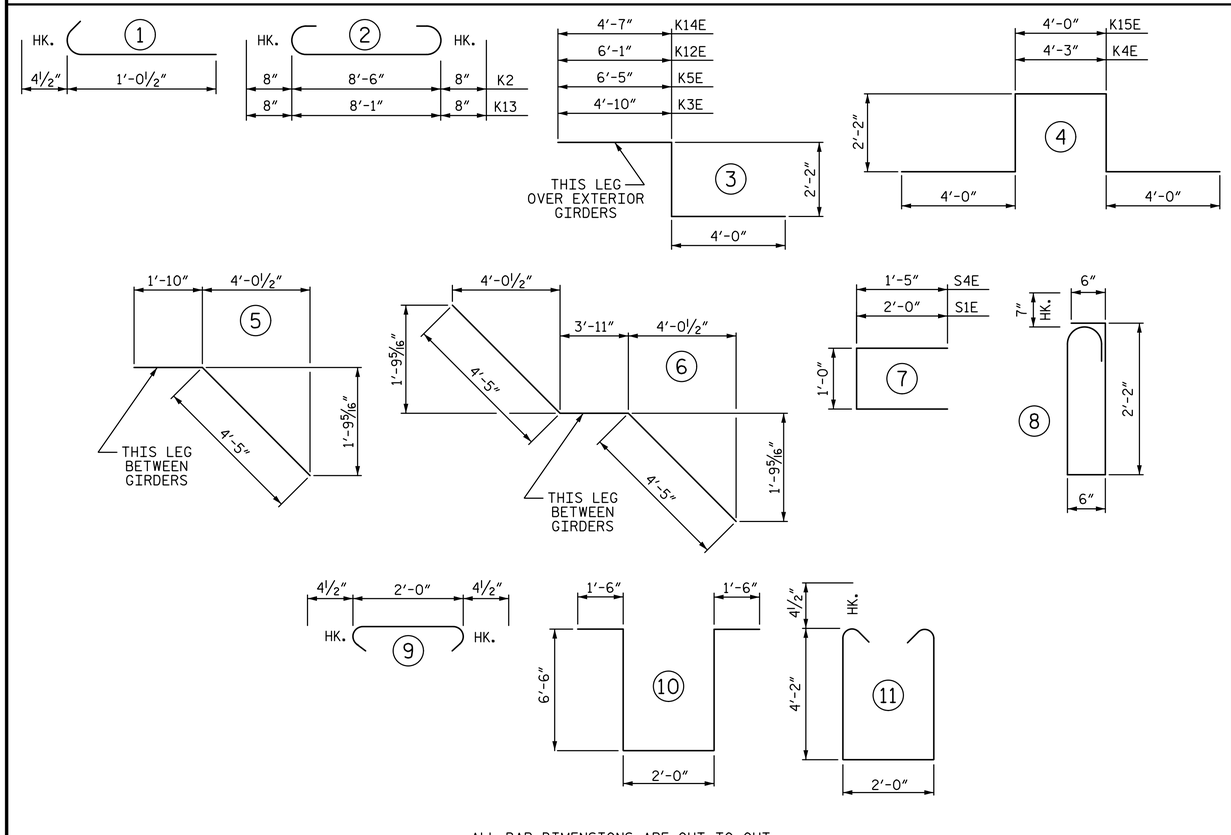
BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

SPANS A, B, C, & D

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	767	5	STR	33'-11"	27133	A219	1	5	STR	4'-6"	5
A2	767	5	STR	33'-11"	27133	A220	1	5	STR	2'-11"	3
						A221	1	5	STR	30'-6"	32
A101E	1	5	STR	33'-4"	35	A222	1	5	STR	25'-9"	27
A102E	1	5	STR	31'-9"	33	A223	1	5	STR	21'-1"	22
A103E	1	5	STR	30'-2"	31	A224	1	5	STR	16'-4"	17
A104E	1	5	STR	28'-7"	30	A225	1	5	STR	11'-8"	12
A105E	1	5	STR	26'-11"	28	A226	1	5	STR	6'-11"	7
A106E	1	5	STR	25'-4"	26	A227	1	5	STR	2'-2"	2
A107E	1	5	STR	23'-9"	25						
A108E	1	5	STR	22'-2"	23	B1	423	5	STR	56'-7"	24964
A109E	1	5	STR	20'-6"	21	B2E	275	4	STR	23'-6"	4317
A110E	1	5	STR	18'-11"	20	B3E	150	7	STR	33'-3"	10194
A111E	1	5	STR	17'-4"	18	B4E	44	7	STR	39'-6"	3552
A112E	1	5	STR	15'-9"	16	B5E	75	7	STR	31'-0"	4752
A113E	1	5	STR	14'-1"	15	B6E	22	7	STR	35'-0"	1574
A114E	1	5	STR	12'-6"	13						
A115E	1	5	STR	10'-11"	11	G1E	1	5	STR	36'-5"	38
A116E	1	5	STR	9'-4"	10	G2E	1	5	STR	34'-2"	36
A117E	1	5	STR	7'-8"	8						
A118E	1	5	STR	6'-1"	6	J1E	73	4	1	1'-5"	69
A119E	1	5	STR	4'-6"	5						
A120E	1	5	STR	2'-11"	3	K1	9	6	STR	5'-6"	74
A121E	1	5	STR	30'-6"	32	K2	6	6	2	9'-10"	89
A122E	1	5	STR	25'-9"	27	K3E	2	8	3	11'-0"	59
A123E	1	5	STR	21'-1"	22	K4E	4	8	4	16'-7"	177
A124E	1	5	STR	16'-4"	17	K5E	2	8	3	12'-7"	67
A125E	1	5	STR	11'-8"	12	K6	18	4	STR	5'-7"	67
A126E	1	5	STR	6'-11"	7	K7	90	4	STR	8'-5"	506
A127E	1	5	STR	2'-2"	2	K8	18	4	STR	5'-5"	65
						K9	42	4	5	6'-3"	175
A201	1	5	STR	33'-4"	35	K10	42	4	6	12'-9"	358
A202	1	5	STR	31'-9"	33	K11	9	6	STR	5'-2"	70
A203	1	5	STR	30'-2"	31	K12E	2	8	3	12'-3"	65
A204	1	5	STR	28'-7"	30	K13	6	6	2	9'-5"	85
A205	1	5	STR	26'-11"	28	K14E	2	8	3	10'-9"	57
A206	1	5	STR	25'-4"	26	K15E	4	8	4	16'-4"	174
A207	1	5	STR	23'-9"	25						
A208	1	5	STR	22'-2"	23	S1E	18	4	7	5'-0"	60
A209	1	5	STR	20'-6"	21	S2E	36	5	8	5'-11"	222
A210	1	5	STR	18'-11"	20	S3	378	4	9	2'-9"	694
A211	1	5	STR	17'-4"	18	S4E	18	4	7	3'-10"	46
A212	1	5	STR	15'-9"	16						
A213	1	5	STR	14'-1"	15	U1	18	4	11	11'-1"	133
A214	1	5	STR	12'-6"	13	U2E	54	4	10	18'-0"	649
A215	1	5	STR	10'-11"	11						
A216	1	5	STR	9'-4"	10	REINFORCING STEEL					54909 LB
A217	1	5	STR	7'-8"	8						
A218	1	5	STR	6'-1"	6	EPOXY COATED REINFORCING STEEL					53737 LB

"E" INDICATES EPOXY COATED REINFORCING STEEL

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS "AA" CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	CY	LB	LB
POUR 1	136.0	--	--
POUR 2	162.0	--	--
POUR 3	161.9	--	--
POUR 4	138.4	--	--
POUR 5	9.2	--	--
TOTAL	607.5	54909	53737

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED.
SEE "POUR SEQUENCE" SHEET FOR LOCATION OF POURS.

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	1,324	SQ. FT.
BRIDGE DECK	13,726	SQ. FT.
TOTAL	15,050	SQ. FT.

PROJECT NO. U-3109A
ALAMANCE COUNTY
STATION: 146+61.35 -L-

PLANS PREPARED BY:
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LICENSURE NO. C-2521

NORTH CAROLINA PROFESSIONAL SEAL 18058 ENGINEER JOHN A. BATTS
9/11/2015

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUPERSTRUCTURE

BILL OF MATERIAL

(SBL)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S02-35
1			3			TOTAL SHEETS
2			4			S02-51

STR. #2

DRAWN BY: T. BANKOVICH DATE: 9-15
CHECKED BY: J.A. BATTS DATE: 9-15
DESIGN ENGINEER OF RECORD: J.A. BATTS DATE: 9-15