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REINFORCING BAR SCHEDULE (DECK & DIAPHRAGM)

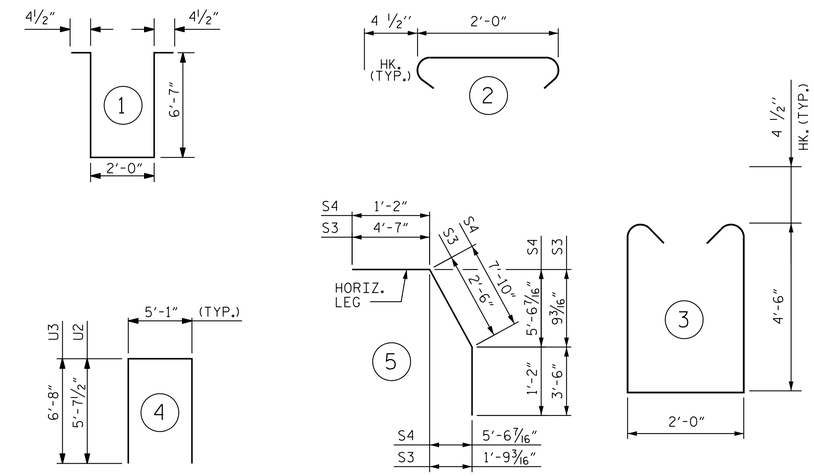
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	514	5	STR.	38'-11"	20,863
*A101	2	5	STR.	36'-6"	76
*A102	2	5	STR.	34'-11"	73
*A103	2	5	STR.	33'-4"	70
*A104	2	5	STR.	31'-8"	66
*A105	2	5	STR.	30'-1"	63
*A106	2	5	STR.	28'-6"	59
*A107	2	5	STR.	26'-11"	56
*A108	2	5	STR.	25'-3"	53
*A109	2	5	STR.	23'-8"	49
*A110	2	5	STR.	22'-1"	46
*A111	2	5	STR.	20'-6"	43
*A112	2	5	STR.	18'-10"	39
*A113	2	5	STR.	17'-3"	36
*A114	2	5	STR.	15'-8"	33
*A115	2	5	STR.	14'-1"	29
*A116	2	5	STR.	12'-5"	26
*A117	2	5	STR.	10'-10"	23
*A118	2	5	STR.	9'-3"	19
*A119	2	5	STR.	7'-8"	16
*A120	2	5	STR.	6'-1"	13
*A121	2	5	STR.	4'-5"	9
*A122	2	5	STR.	2'-10"	6

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A2	514	5	STR.	38'-11"	20,863
A201	2	5	STR.	36'-6"	76
A202	2	5	STR.	34'-11"	73
A203	2	5	STR.	33'-4"	70
A204	2	5	STR.	31'-8"	66
A205	2	5	STR.	30'-1"	63
A206	2	5	STR.	28'-6"	59
A207	2	5	STR.	26'-11"	56
A208	2	5	STR.	25'-3"	53
A209	2	5	STR.	23'-8"	49
A210	2	5	STR.	22'-1"	46
A211	2	5	STR.	20'-6"	43
A212	2	5	STR.	18'-10"	39
A213	2	5	STR.	17'-3"	36
A214	2	5	STR.	15'-8"	33
A215	2	5	STR.	14'-1"	29
A216	2	5	STR.	12'-5"	26
A217	2	5	STR.	10'-10"	23
A218	2	5	STR.	9'-3"	19
A219	2	5	STR.	7'-8"	16
A220	2	5	STR.	6'-1"	13
A221	2	5	STR.	4'-5"	9
A222	2	5	STR.	2'-10"	6

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*B1	168	5	STR.	54'-3"	9,506
*B2	148	6	STR.	36'-8"	8,151
B3	210	5	STR.	54'-0"	11,828
*B4	48	5	STR.	22'-0"	1,101
*B5	148	6	STR.	33'-1"	7,354
*B6	48	5	STR.	17'-0"	851
B7	30	5	STR.	22'-0"	688
B8	30	5	STR.	17'-0"	532
*G1	4	5	STR.	22'-0"	92
K1	28	4	STR.	16'-7"	310
K2	18	4	STR.	6'-5"	77
K3	90	4	STR.	9'-7"	576
K4	18	4	STR.	6'-9"	81
K5	4	4	STR.	5'-8"	15
K6	20	4	STR.	7'-0"	94
K7	4	4	STR.	6'-6"	17
K8	24	4	STR.	24'-10"	398
K9	20	4	STR.	6'-9"	90
K10	20	5	STR.	6'-8"	139
S1	48	4	3	11'-9"	377
S2	276	4	2	2'-9"	507
*S3	78	4	5	13'-8"	712
*S4	72	4	5	10'-2"	489
U1	36	4	1	15'-11"	383
U2	36	4	4	16'-4"	393
U3	20	4	4	18'-5"	246

* = EPOXY COATED REINF. STEEL

BAR TYPES

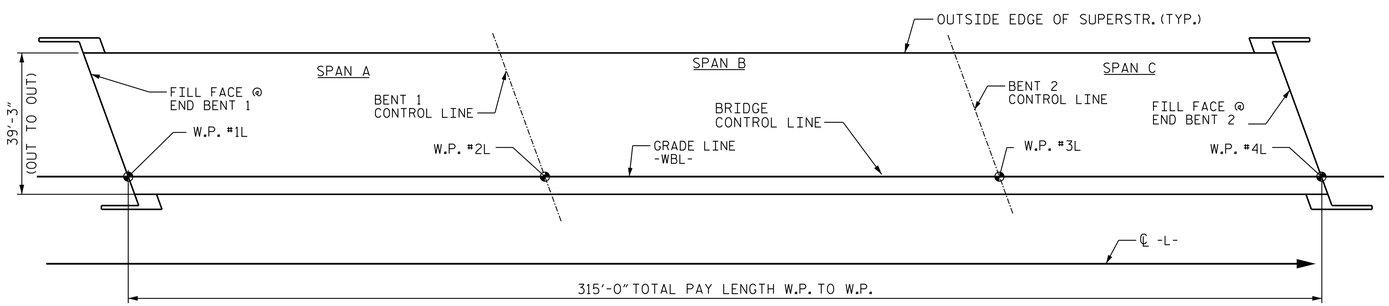


ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

SPANS	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL	REINFROCED CONCRETE DECK SLAB
	(CU. YDS.)	(LBS.)	(LBS.)	(SQ. FT.)
"A", "B", AND "C"	556.5	42,571	50,022	12,364
TOTALS**	556.5	42,571	50,022	12,364

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB
(SQ. FT. = 12,364)

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"			

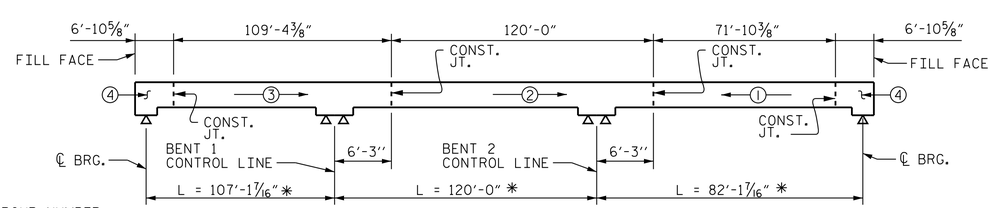
GROOVING BRIDGE FLOORS

APPROACH SLABS	1,520 SQ.FT.
BRIDGE DECK	10,379 SQ.FT.
TOTAL	11,899 SQ.FT.

CLASS AA CONC. BREAKDOWN

POUR 1	92.8 C.Y.
POUR 2	158.3 C.Y.
POUR 3	153.8 C.Y.
POUR 4	151.6 C.Y.
TOTAL CLASS AA CONC.	556.5 C. Y.

PROJECT NO. R-0623
MONTGOMERY COUNTY
STATION: 339+48.56 -L-



KEY

(#) = INDICATES POUR NUMBER AND DIRECTION OF POUR

L = LENGTH OF EACH SPAN

3 SPANS

* DIMENSIONS ALONG LONG CHORD AND BRIDGE CONTROL LINE

POURING SEQUENCE-PRESTRESSED CONCRETE SUPERSTRUCTURE
(CONTINUOUS FOR LIVE LOAD)

SHEET 1 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUPERSTRUCTURE

BILL OF MATERIALS

(WBL)

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-108
1			3			TOTAL SHEETS
2			4			162

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www.stantec.com
License No. F-0672

DRAWN BY : V. E. FRAGA DATE : 02-09-14
CHECKED BY : J. T. KELVINGTON DATE : 03-12-14
DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE : 04-01-14

NORTH CAROLINA PROFESSIONAL SEAL 13406 ENGINEER JOSEPH T. KELVINGTON
DocuSigned by: Joseph T. Kelvington 847C9D37B0774AF... 5/27/2014

STR. #3

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