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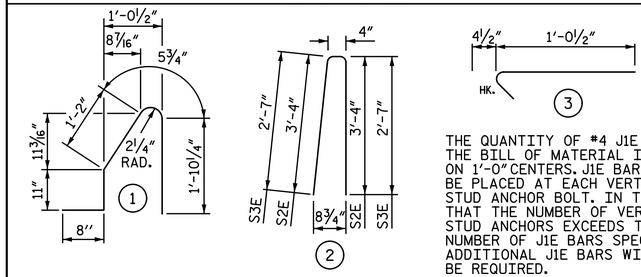
BAR TYPES



THE QUANTITY OF #4 J1E BARS ON THE BILL OF MATERIAL IS BASED ON 1'-0" CENTERS. J1E BARS SHALL BE PLACED AT EACH VERTICAL STUD ANCHOR BOLT. IN THE EVENT THAT THE NUMBER OF VERTICAL STUD ANCHORS EXCEEDS THE NUMBER OF J1E BARS SPECIFIED, ADDITIONAL J1E BARS WILL NOT BE REQUIRED.

ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

APPROACH SLAB @ END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	78	#4	STR	21' - 9"	1,133	B211	2	#6	STR	25' - 7"	77
A2	81	#4	STR	21' - 7"	1,168	B212	3	#6	STR	25' - 8"	116
A100E	2	#4	STR	24' - 5"	33	B213	2	#6	STR	25' - 9"	77
A101E	1	#4	STR	34' - 8"	23	B214	3	#6	STR	25' - 10"	116
A102E	1	#4	STR	22' - 8"	15	B215	2	#6	STR	25' - 11"	78
A103E	1	#4	STR	10' - 8"	7	B216	2	#6	STR	26' - 0"	78
A200	2	#4	STR	24' - 3"	32	B217	3	#6	STR	26' - 1"	118
A201	1	#4	STR	34' - 8"	23	B218	2	#6	STR	26' - 2"	79
A202	1	#4	STR	22' - 8"	15	B219	3	#6	STR	26' - 3"	118
A203	1	#4	STR	10' - 8"	7	B220	2	#6	STR	26' - 4"	79
A3	25	#4	STR	7' - 6"	125	B221	3	#6	STR	26' - 5"	119
						B222	2	#6	STR	26' - 6"	80
B1E	2	#5	STR	9' - 4"	19	B223	3	#6	STR	26' - 7"	120
B2	2	#6	STR	9' - 8"	29	B224	2	#6	STR	26' - 8"	80
B100E	6	#5	STR	24' - 4"	152	B225	2	#6	STR	26' - 9"	80
B101E	6	#5	STR	24' - 7"	154	B226	3	#6	STR	26' - 10"	121
B102E	6	#5	STR	24' - 9"	155	B227	2	#6	STR	26' - 11"	81
B103E	6	#5	STR	25' - 0"	156	B228	3	#6	STR	27' - 0"	122
B104E	6	#5	STR	25' - 2"	157	B229	2	#6	STR	27' - 1"	81
B105E	6	#5	STR	25' - 5"	159	B230	3	#6	STR	27' - 2"	122
B106E	6	#5	STR	25' - 7"	160	B231	2	#6	STR	27' - 3"	82
B107E	6	#5	STR	25' - 10"	162	B232	2	#6	STR	27' - 4"	82
B108E	6	#5	STR	26' - 0"	163	B233	3	#6	STR	27' - 5"	124
B109E	6	#5	STR	26' - 3"	164	B234	2	#6	STR	27' - 6"	83
B110E	6	#5	STR	26' - 5"	165	B235	3	#6	STR	27' - 7"	124
B111E	6	#5	STR	26' - 8"	167	B236	2	#6	STR	27' - 8"	83
B112E	6	#5	STR	26' - 10"	168	B237	3	#6	STR	27' - 9"	125
B113E	6	#5	STR	27' - 1"	169	B238	2	#6	STR	27' - 10"	84
B114E	6	#5	STR	27' - 3"	171	B239	2	#6	STR	27' - 11"	84
B115E	6	#5	STR	27' - 6"	172	B240	3	#6	STR	28' - 0"	126
B116E	6	#5	STR	27' - 8"	173	B241	2	#6	STR	28' - 1"	84
B117E	6	#5	STR	27' - 10"	174	B242	3	#6	STR	28' - 2"	127
B118E	6	#5	STR	28' - 1"	176	B243	2	#6	STR	28' - 3"	85
B119E	7	#5	STR	28' - 3"	206	B244	2	#6	STR	28' - 4"	85
B200	2	#6	STR	24' - 8"	74	B245	2	#6	STR	28' - 5"	85
B201	2	#6	STR	24' - 9"	74	B246	2	#6	STR	28' - 6"	86
B202	2	#6	STR	24' - 10"	75	B247	3	#6	STR	28' - 7"	129
B203	2	#6	STR	24' - 11"	75	B248	2	#6	STR	28' - 8"	86
B204	3	#6	STR	25' - 0"	113	B249	3	#6	STR	28' - 9"	130
B205	3	#6	STR	25' - 1"	113						
B206	2	#6	STR	25' - 2"	76	J1E	61	#4	3	1' - 5"	58
B207	3	#6	STR	25' - 3"	114						
B208	2	#6	STR	25' - 4"	76						
B209	2	#6	STR	25' - 5"	76						
B210	3	#6	STR	25' - 6"	115						

REINFORCING STEEL	LBS.	6,216
EPOXY COATED REINF. STEEL	LBS.	4,611
CLASS AA CONCRETE	C.Y.	71.7

BILL OF MATERIAL

APPROACH SLAB @ END BENT 2

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
A1E	87	#4	STR	21' - 9"	1,264
A2	90	#4	STR	21' - 7"	1,298
A3	25	#4	STR	7' - 6"	125
B1E	2	#5	STR	9' - 4"	19
B2	2	#6	STR	9' - 8"	29
B300E	29	#5	STR	24' - 4"	736
B301E	29	#5	STR	24' - 5"	739
B302E	27	#5	STR	24' - 6"	690
B303E	26	#5	STR	24' - 7"	667
B304E	10	#5	STR	24' - 8"	257
B400	29	#6	STR	24' - 8"	1,074
B401	29	#6	STR	24' - 9"	1,078
B402	27	#6	STR	24' - 10"	1,007
B403	26	#6	STR	24' - 11"	973
B404	10	#6	STR	25' - 0"	376
J1E	61	#4	3	1' - 5"	58

REINFORCING STEEL	LBS.	6,018
EPOXY COATED REINF. STEEL	LBS.	4,372
CLASS AA CONCRETE	C.Y.	66.7

BILL OF MATERIAL

BARRIER RAIL ONLY

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B3E	22	#5	STR	9' - 8"	222
S1E	20	#5	1	5' - 1"	106
S2E	16	#5	2	7' - 0"	117
S3E	4	#5	2	5' - 6"	23

EPOXY COATED REINF. STEEL	LBS.	468
CLASS AA CONCRETE	C.Y.	2.7
CONC. BARRIER RAIL	LIN. FT.	20.0

SPLICE LENGTHS

BAR SIZE	EPOXY COATED	UNCOATED
#4	2'-0"	1'-9"
#5	2'-6"	2'-2"
#6	3'-10"	2'-7"

PROJECT NO. U-2524D

GUILFORD COUNTY

STATION: 495+22.00 -LREV-

SHEET 3 OF 3

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 042399 ENGINEER BRADLEY J. BELL

DocuSigned by: Bradley J. Bell C41A3F8ECA3C434...

7/18/2016

Michael Baker INTERNATIONAL

Michael Baker Engineering
8000 Regency Parkway, Suite 600
Cary, North Carolina 27518
NC License No.: F-1084

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

BRIDGE APPROACH SLAB DETAILS

RIGHT LANES

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-32
1			3			TOTAL SHEETS
2			4			35

DRAWN BY : M. D. MAYHEW DATE : 3-18-16
CHECKED BY : N. B. SPEAKS DATE : 3-28-16

nbspeaks
7/18/2016 12:23:36 PM
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