

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

BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPETS, AND BARRIER RAILS		APPROACH SLABS		PARAPETS AND BARRIER RAILS
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	1'-11"	1'-7"	1'-11"	1'-7"	2'-6"
#5	2'-5"	2'-0"	2'-5"	2'-0"	3'-1"
#6	2'-10"	2'-5"	3'-7"	2'-5"	3'-8"
#7	4'-2"	2'-9"			
#8	4'-9"	3'-2"			

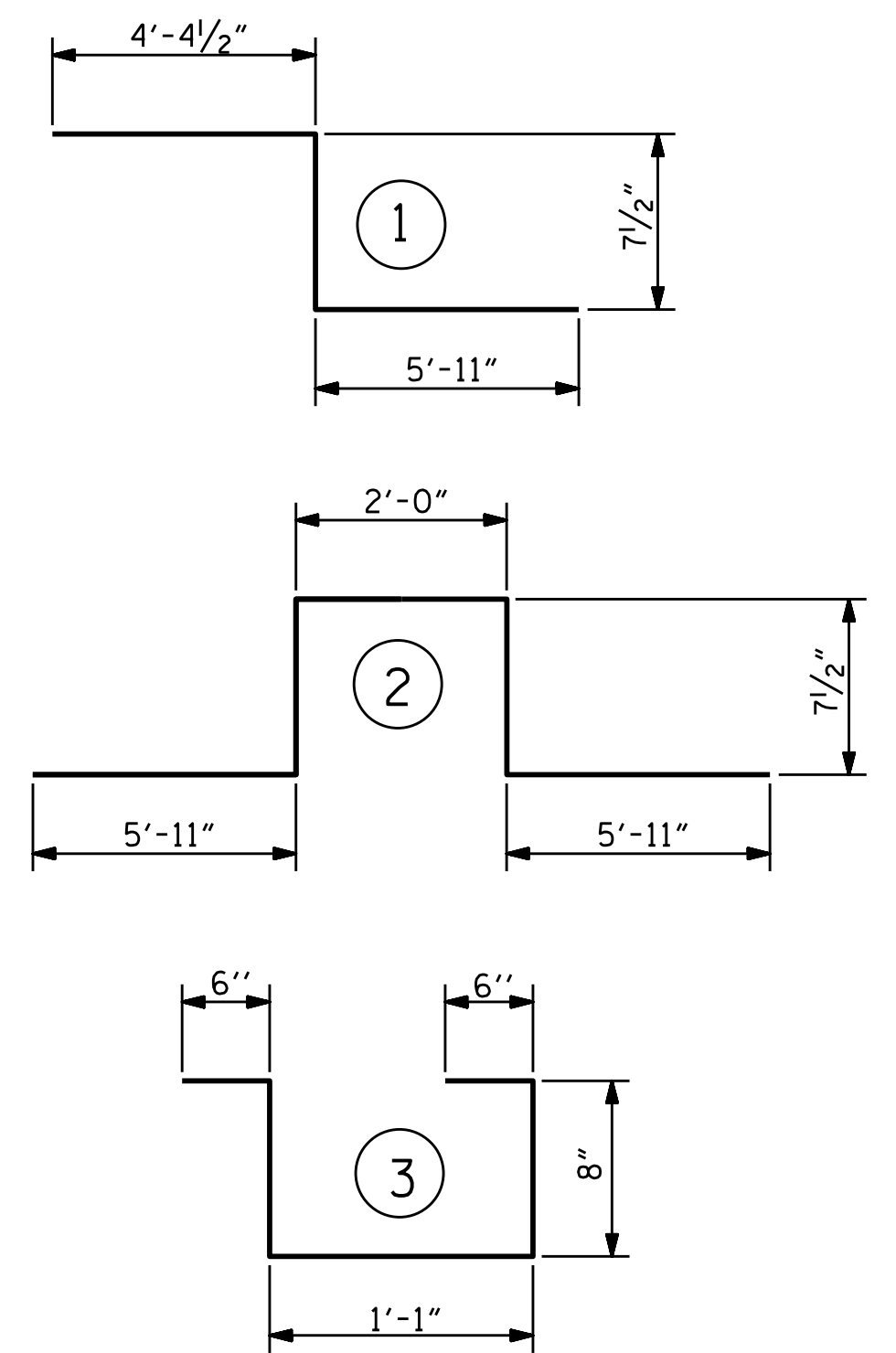
**BILL OF MATERIAL**

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	426	#5	STR	50'-11"	22623
A2	426	#5	STR	50'-11"	22623
* A101	2	#5	STR	1'-10"	4
* A102	2	#5	STR	3'-11"	8
* A103	2	#5	STR	6'-0"	13
* A104	2	#5	STR	8'-1"	17
* A105	2	#5	STR	10'-2"	21
* A106	2	#5	STR	12'-3"	26
* A107	2	#5	STR	14'-4"	30
* A108	2	#5	STR	16'-5"	34
* A109	2	#5	STR	18'-6"	39
* A110	2	#5	STR	20'-7"	43
* A111	2	#5	STR	22'-8"	47
* A112	2	#5	STR	24'-9"	52
* A113	2	#5	STR	26'-10"	56
* A114	2	#5	STR	28'-11"	60
* A115	2	#5	STR	31'-0"	65
* A116	2	#5	STR	33'-1"	69
* A117	2	#5	STR	35'-2"	73
* A118	2	#5	STR	37'-3"	78
* A119	2	#5	STR	39'-4"	82
* A120	2	#5	STR	41'-5"	86
* A121	2	#5	STR	43'-6"	91
* A122	2	#5	STR	45'-7"	95
* A123	2	#5	STR	47'-8"	99
* A124	2	#5	STR	49'-9"	104

A201	2	#5	STR	1'-10"	4
A202	2	#5	STR	3'-11"	8
A203	2	#5	STR	6'-0"	13
A204	2	#5	STR	8'-1"	17
A205	2	#5	STR	10'-2"	21
A206	2	#5	STR	12'-3"	26
A207	2	#5	STR	14'-4"	30
A208	2	#5	STR	16'-5"	34
A209	2	#5	STR	18'-6"	39
A210	2	#5	STR	20'-7"	43
A211	2	#5	STR	22'-8"	47
A212	2	#5	STR	24'-9"	52
A213	2	#5	STR	26'-10"	56
A214	2	#5	STR	28'-11"	60
A215	2	#5	STR	31'-0"	65
A216	2	#5	STR	33'-1"	69
A217	2	#5	STR	35'-2"	73
A218	2	#5	STR	37'-3"	78
A219	2	#5	STR	39'-4"	82
A220	2	#5	STR	41'-5"	86
A221	2	#5	STR	43'-6"	91
A222	2	#5	STR	45'-7"	95
A223	2	#5	STR	47'-8"	99
A224	2	#5	STR	49'-9"	104

* B1	68	#4	STR	31'-5"	1427
* B2	200	#6	STR	33'-7"	10088
* B3	102	#4	STR	29'-10"	2033
B4	256	#5	STR	53'-2"	14196
* B5	12	#4	STR	36'-1"	289
* G1	2	#5	STR	52'-1"	109
* K1	8	#5	1	10'-11"	91
* K2	12	#5	2	15'-1"	189
* S1	80	#4	3	2'-9"	147
REINFORCING STEEL					38,111 LBS.
* EPOXY COATED REINF. STEEL					38,288 LBS.

**BAR TYPES**



ALL BAR DIMENSIONS ARE OUT TO OUT

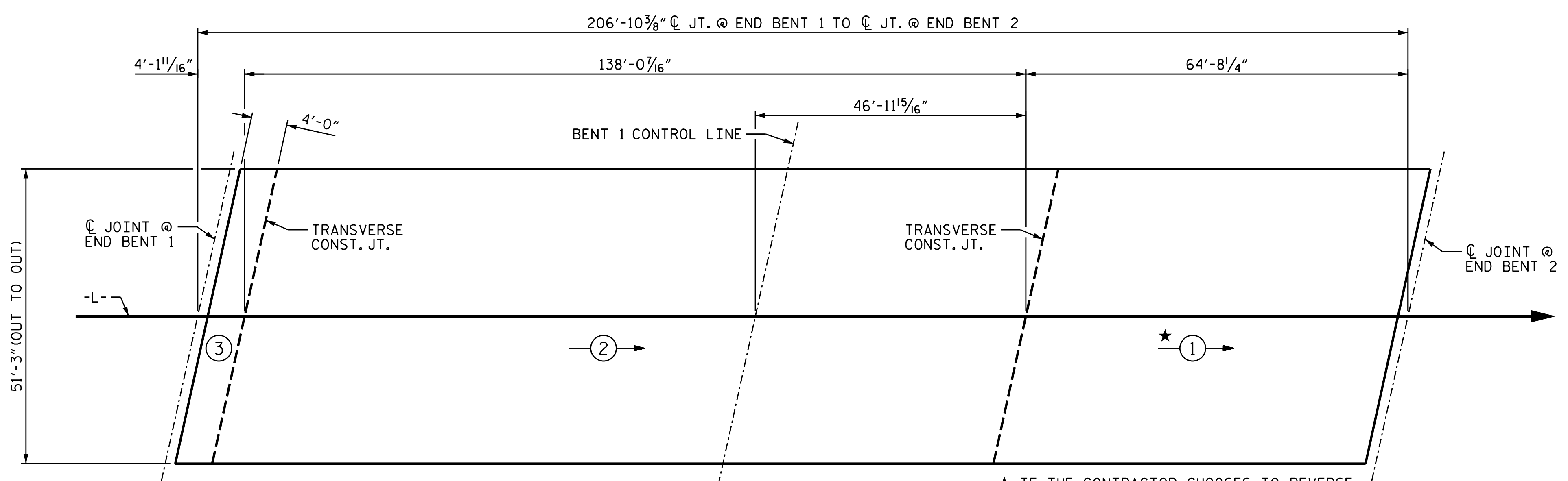
**SUPERSTRUCTURE BILL OF MATERIAL**

	CLASS AA CONCRETE ( CU.YDS.)	REINFORCING STEEL ( LBS.)	EPOXY COATED REINFORCING STEEL ( LBS.)
POUR 1	103.1		
POUR 2	217.1		
POUR 3	7.5		
<b>TOTALS**</b>	<b>327.7</b>	<b>38,111</b>	<b>38,238</b>

\*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

**GROOVING BRIDGE FLOORS**

APPROACH SLABS	1,290 SQ.FT.
BRIDGE DECK	9,290 SQ.FT.
<b>TOTAL</b>	<b>10,580 SQ.FT.</b>



\* IF THE CONTRACTOR CHOOSES TO REVERSE THE DIRECTION OF POUR 1, A TRANSVERSE CONSTRUCTION JOINT WILL BE REQUIRED 4'-0" FROM THE JOINT.

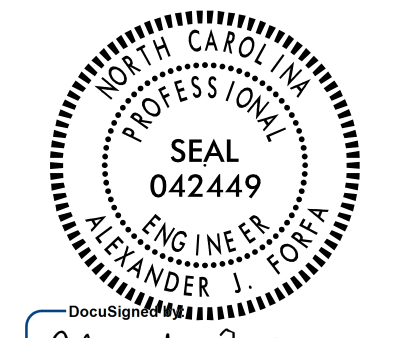
# DIRECTION AND NUMBER OF POUR

LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB ( SQ. FT. = 10,598 )

ASSEMBLED BY :	M. SPENCER	DATE :	06/21
CHECKED BY :	A. FORFA	DATE :	06/21
DRAWN BY :	JMB 5/87	REV. 10/1/11	MAA/GM
CHECKED BY :	SJD 9/87	REV. 12/17	MAA/THC
		REV. 06/19	BNB/THC



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PROJECT NO. BR-0033  
McDOWELL COUNTY  
STATION: 16+11.51 -L-

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
STANDARD  
SUPERSTRUCTURE  
BILL OF MATERIAL

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-20
1			3			TOTAL SHEETS
2			4			32

STD. NO. BOM1