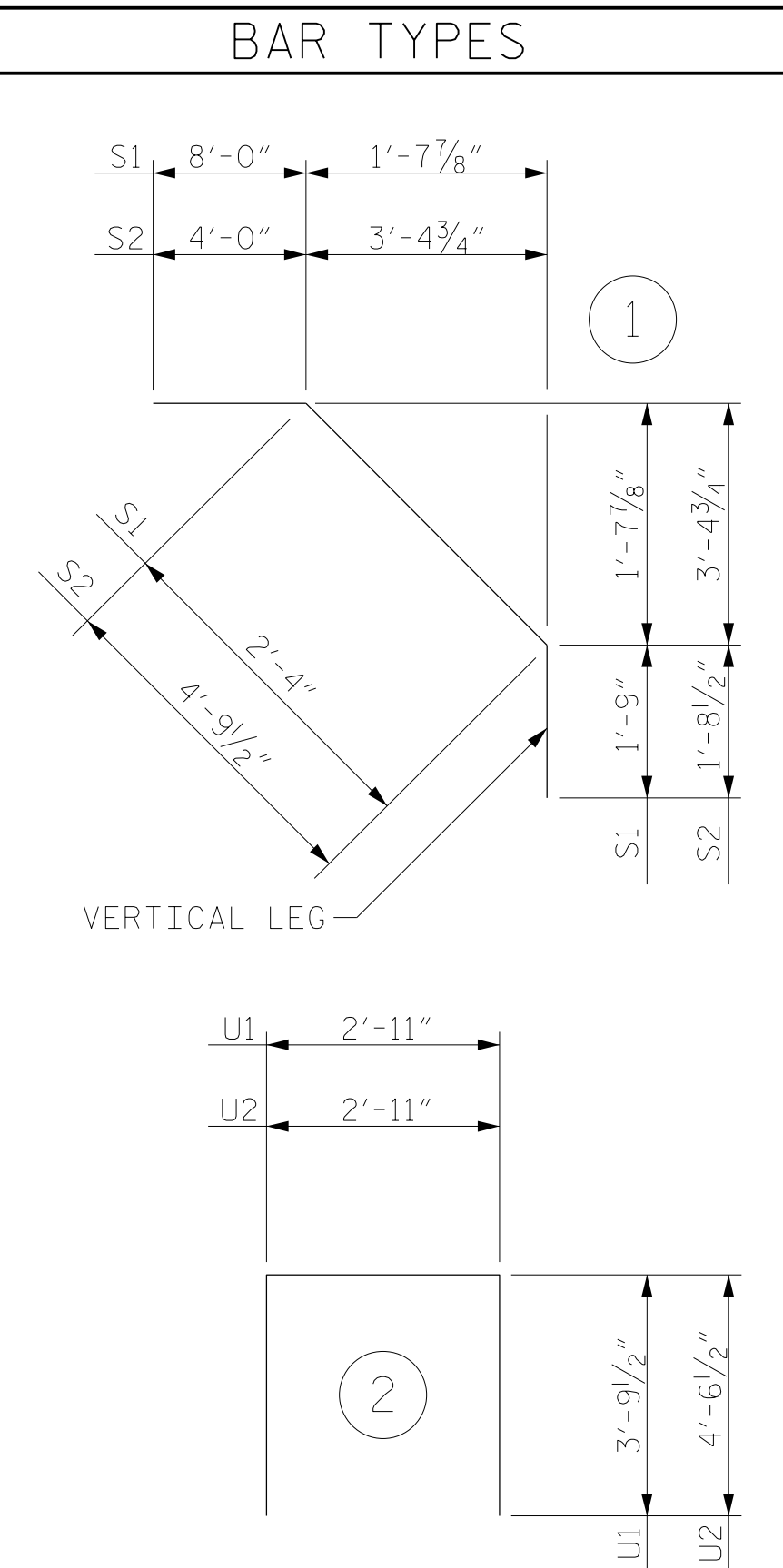


LAYOUT FOR COMPUTING AREA  
REINFORCED CONCRETE DECK SLAB  
(SQ. FT. = 12016)

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	860	#5	STR	31'-4"	28105
* A2	860	#5	STR	31'-4"	28105
B1	156	#5	STR	40'-0"	6508
* B2	192	#5	STR	29'-6"	5908
* B3	196	#5	STR	28'-9"	5877
* B4	146	#4	STR	13'-6"	1317
* B5	49	#4	STR	27'-3"	892
* B6	49	#4	STR	30'-10"	1009
* B7	49	#4	STR	17'-3"	565
* B8	144	#5	STR	16'-0"	2403
B9	156	#4	STR	35'-0"	3647
B10	78	#4	STR	15'-1"	786
B11	71	#4	STR	39'-10"	1889
B12	78	#4	STR	11'-7"	604
B13	71	#4	STR	38'-6"	1826
B14	78	#5	STR	33'-6"	2725
K1	20	#4	STR	31'-0"	414
K2	10	#4	STR	8'-8"	58
K3	20	#4	STR	9'-8"	129
K4	10	#4	STR	8'-11"	60
K5	10	#4	STR	8'-2"	55
K6	4	#4	STR	2'-2"	6
K7	8	#4	STR	2'-8"	14
K8	4	#4	STR	2'-4"	6
K9	4	#4	STR	1'-11"	5
* S1	98	#4	1	12'-1"	791
* S2	98	#4	1	10'-6"	687
U1	98	#4	2	10'-6"	687
U2	4	#4	2	12'-0"	32

REINFORCING STEEL = 19,451 LBS.  
\* EPOXY COATED REINFORCING STEEL = 75,659 LBS.



ALL BAR DIMENSIONS ARE OUT TO OUT

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"			

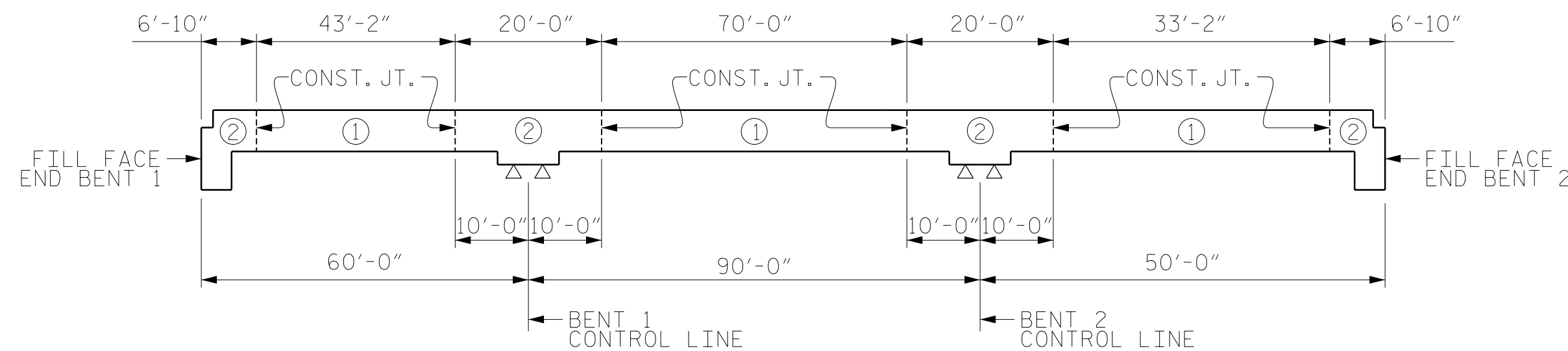
GROOVING BRIDGE FLOORS

APPROACH SLABS	1790 SQ.FT.
BRIDGE DECK	7326 SQ.FT.
TOTAL	9116 SQ.FT.

POUR SEQUENCE BREAKDOWN

	CLASS AA CONCRETE (CU. YDS.)
POUR 1	289.9
POUR 2	169.1
TOTALS**	459.0

\*\* QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED



POUR SEQUENCE

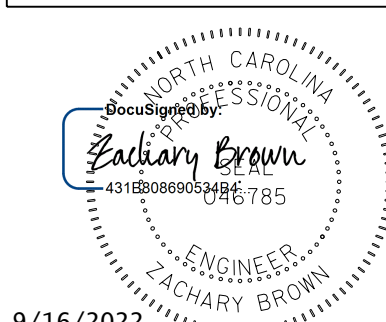
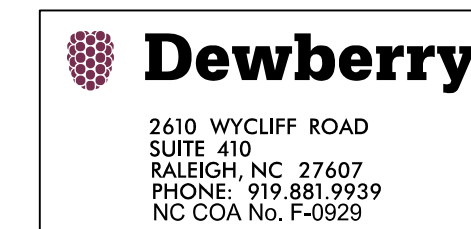
POUR ② CANNOT BE STARTED UNTIL BOTH ADJACENT ① POURS REACH A MINIMUM OF 3000 PSI.

PROJECT NO. B-5318

WAKE COUNTY

STATION: 19+73.00 -L-

REPLACES BRIDGE NO. 126



9/16/2022

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH

STANDARD

SUPERSTRUCTURE  
BILL OF MATERIAL

REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO.

S-28

TOTAL SHEETS

41

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STD. NO. BOM2

DRAWN BY: E. JONES DATE: JUNE 21  
CHECKED BY: Z. BROWN DATE: OCT. 21  
DESIGN ENGINEER OF RECORD: Z. BROWN DATE: JUNE 21