

TRANSVERSE CONSTRUCTION JOINT DETAIL

NOTE: REINFORCING STEEL IN SLAB NOT SHOWN. LONGITUDINAL REINFORCING STEEL SHALL BE CONTINUOUS THRU JOINT

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

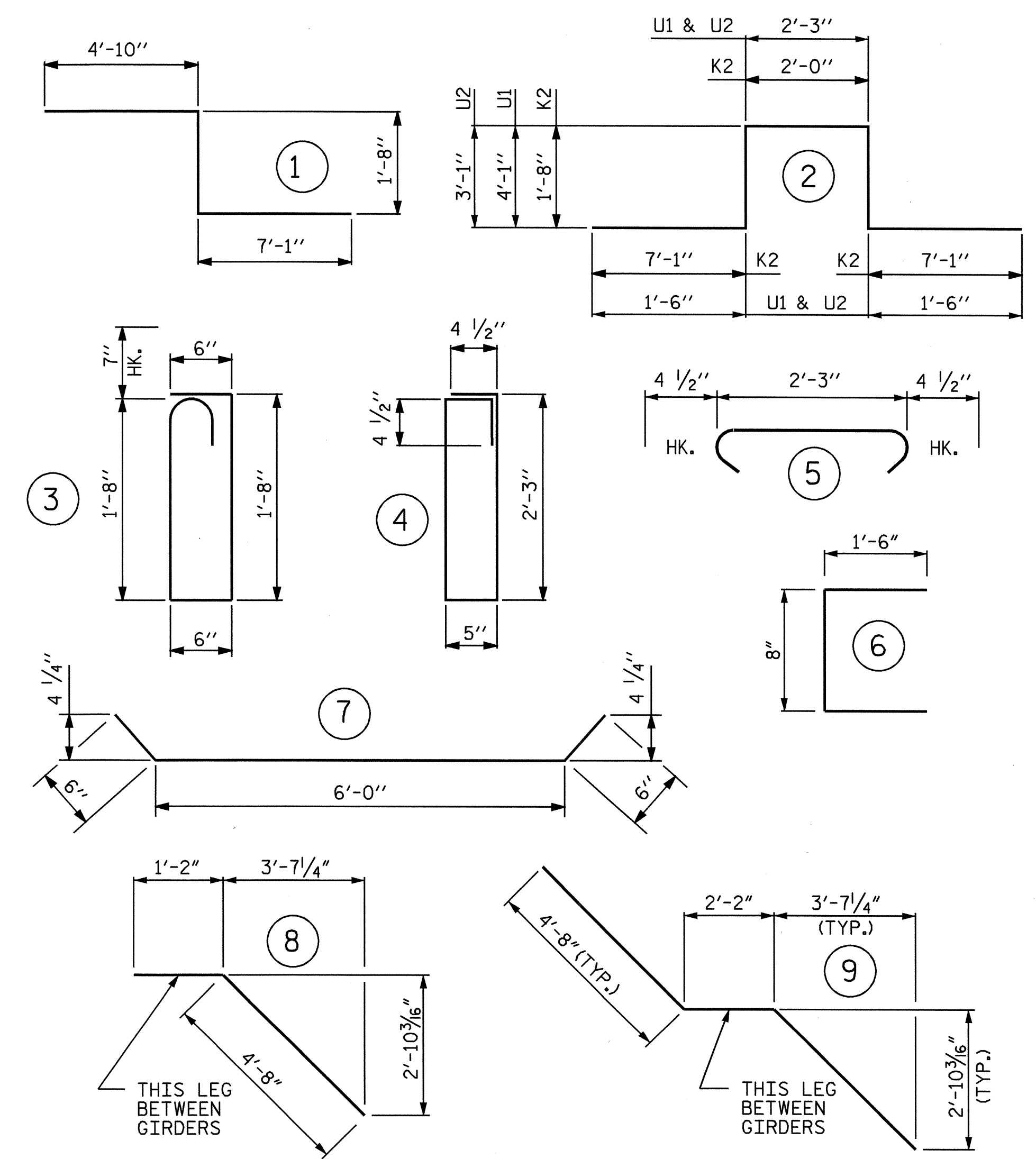
BAR SIZE	SUPERSTRUCTURE EXCEPT APPROACH SLABS, PARAPET, AND BARRIER RAIL		APPROACH SLABS		PARAPET AND BARRIER RAIL
	EPOXY COATED	UNCOATED	EPOXY COATED	UNCOATED	
#4	2'-0"	1'-9"	2'-0"	1'-9"	2'-9"
#5	2'-6"	2'-2"	2'-6"	2'-2"	3'-5"
#6	3'-0"	2'-7"	3'-10"	2'-7"	4'-4"
#7	5'-3"	3'-6"	—	—	—
#8	6'-10"	4'-7"	—	—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

BILL OF MATERIAL

SPAN "A", "B", & "C"

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	240	#5	STR	30'-9"	7697
A2	240	#5	STR	30'-9"	7697
*A101	4	#5	STR	28'-10"	120
*A102	4	#5	STR	26'-9"	112
*A103	4	#5	STR	24'-9"	103
*A104	4	#5	STR	22'-9"	95
*A105	4	#5	STR	20'-9"	87
*A106	4	#5	STR	18'-8"	78
*A107	4	#5	STR	16'-8"	70
*A108	4	#5	STR	14'-8"	61
*A109	4	#5	STR	12'-8"	53
*A110	4	#5	STR	10'-7"	44
*A111	4	#5	STR	8'-7"	36
*A112	4	#5	STR	6'-7"	27
*A113	4	#5	STR	4'-7"	19
*A114	4	#5	STR	2'-6"	10
A201	4	#5	STR	28'-10"	120
A202	4	#5	STR	26'-9"	112
A203	4	#5	STR	24'-9"	103
A204	4	#5	STR	22'-9"	95
A205	4	#5	STR	20'-9"	87
A206	4	#5	STR	18'-8"	78
A207	4	#5	STR	16'-8"	70
A208	4	#5	STR	14'-8"	61
A209	4	#5	STR	12'-8"	53
A210	4	#5	STR	10'-7"	44
A211	4	#5	STR	8'-7"	36
A212	4	#5	STR	6'-7"	27
A213	4	#5	STR	4'-7"	19
A214	4	#5	STR	2'-6"	10
*B1	38	#4	STR	20'-7"	522
B2	105	#5	STR	53'-10"	5896
*B3	19	#7	STR	47'-0"	1825
*B4	18	#7	STR	18'-6"	681
*B5	19	#7	STR	41'-0"	1592
*B6	18	#7	STR	15'-6"	570
*B7	12	#4	STR	27'-11"	224
*B8	19	#4	STR	25'-0"	317
*B9	19	#4	STR	25'-1"	318
*G1	2	#5	STR	35'-6"	74
*K1	8	#8	1	13'-7"	290
*K2	8	#8	2	19'-6"	417
K3	12	#5	7	7'-0"	88
K4	12	#5	STR	6'-8"	83
K5	12	#4	STR	5'-4"	43
K6	36	#4	STR	7'-3"	174
K7	18	#6	STR	7'-3"	196
K8	16	#4	8	5'-10"	62
K9	16	#4	9	11'-6"	123
*S1	42	#5	3	4'-11"	215
S2	36	#4	4	6'-1"	146
S3	114	#4	5	3'-0"	228
S4	42	#4	6	3'-8"	103
U1	30	#4	2	13'-5"	269
U2	12	#4	2	11'-5"	92
REINFORCING STEEL =					16,115 LBS
EPOXY COATED REINF. STEEL =					15,657 LBS
* THESE BARS ARE EPOXY COATED					

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE	REINFORCING STEEL	EPOXY COATED REINFORCING STEEL
	(CU. YDS.)	(LBS.)	(LBS.)
SPAN "A", "B", & "C"			
POUR #1	48.3	16,115	15,657
POUR #2	69.5		
POUR #3	55.3		
TOTALS **	173.1	16,115	15,657

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

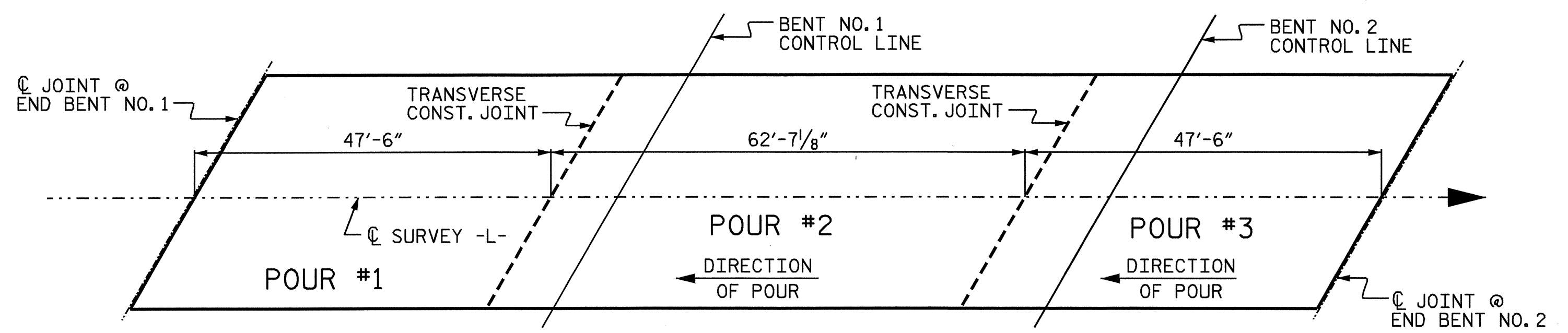
GROOVING BRIDGE FLOORS	
APPROACH SLABS	1144.2 SQ.FT.
BRIDGE DECK	3931.5 SQ.FT.
TOTAL	5075.7 SQ.FT.

PROJECT NO. B-3885
ORANGE COUNTY
STATION: 17+75.00 -L-

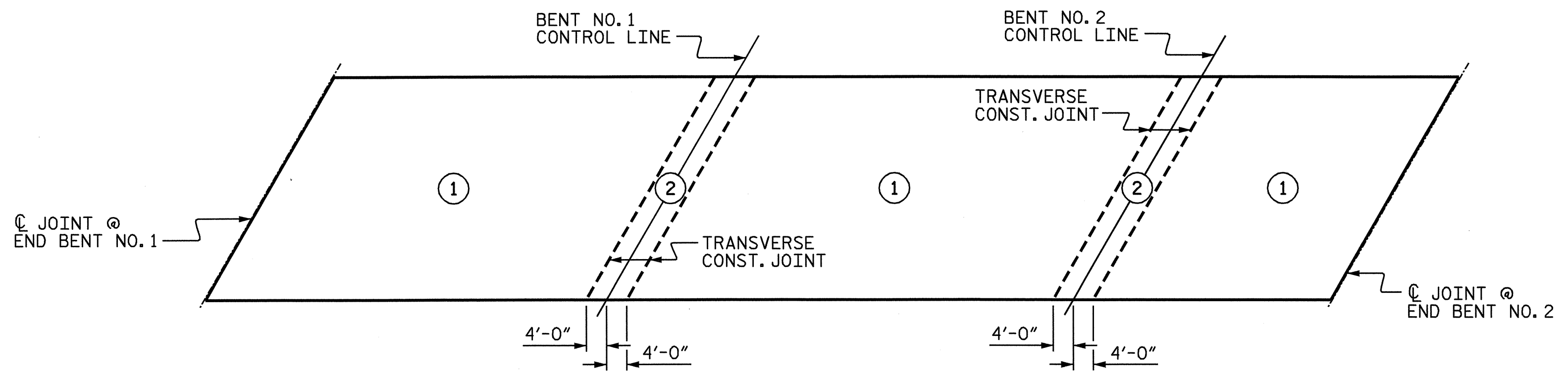
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
STANDARD
SUPERSTRUCTURE
BILL OF MATERIAL



REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-18
1			3			TOTAL SHEETS
2			4			33

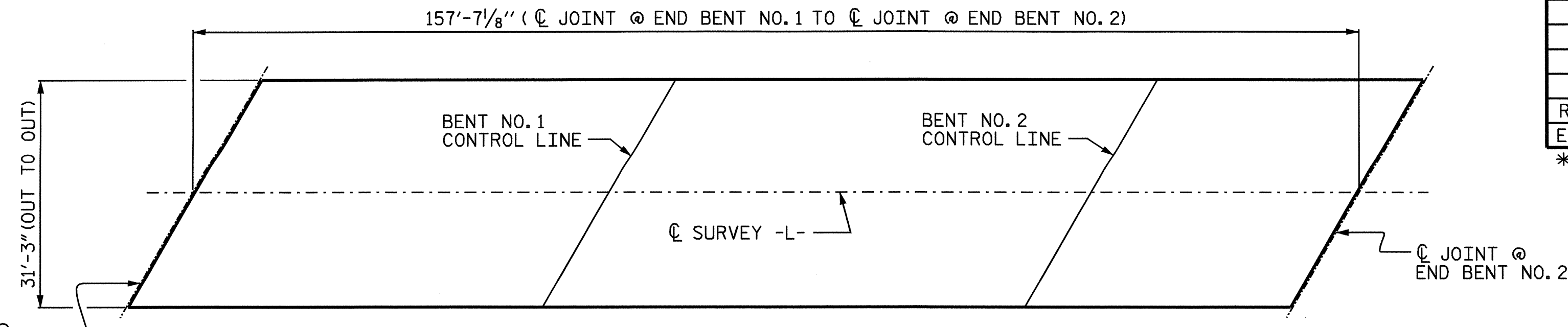


POURING SEQUENCE



OPTIONAL POURING SEQUENCE

POUR (2) CAN NOT BE STARTED UNTIL BOTH ADJACENT (1) POURS REACH A MINIMUM OF 3000 PSI.



LAYOUT FOR COMPUTING AREA OF REINFORCED CONCRETE DECK SLAB (SQ. FT. = 4924.8)

ASSEMBLED BY : P.C. BREWER DATE: 6/11/03
CHECKED BY : S.B. WILLIAMS DATE: 8/5/03
DRAWN BY : JMB 5/87 REV. 6/1/94 EEM/GRP
CHECKED BY : SJD 9/87