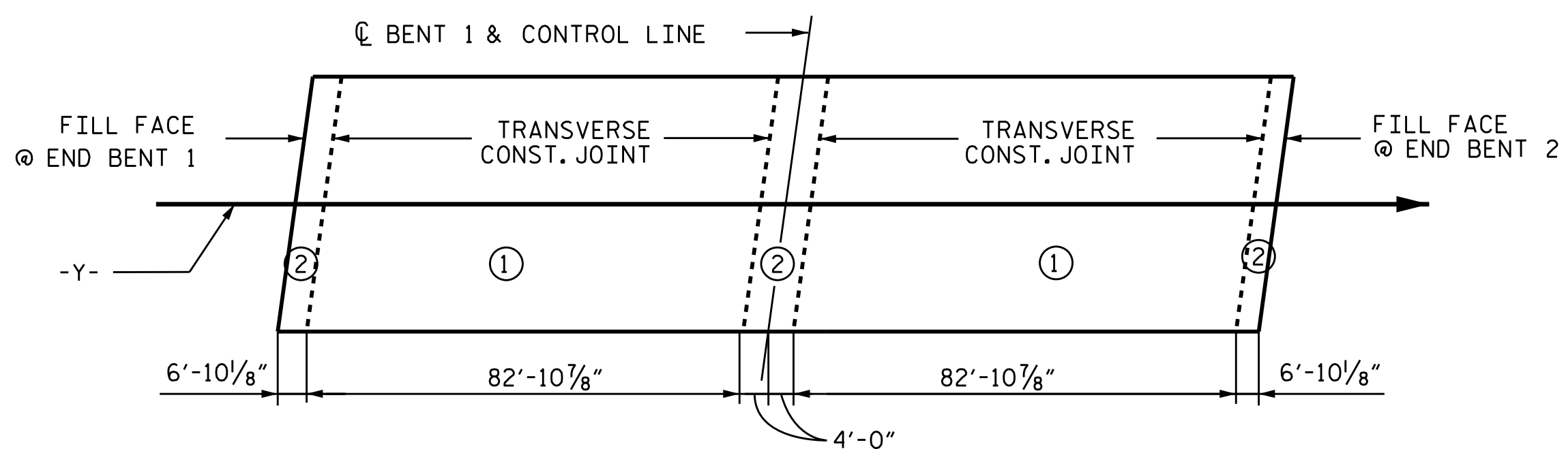


DECK POURING SEQUENCE

② → INDICATES POUR SEQUENCE AND DIRECTION



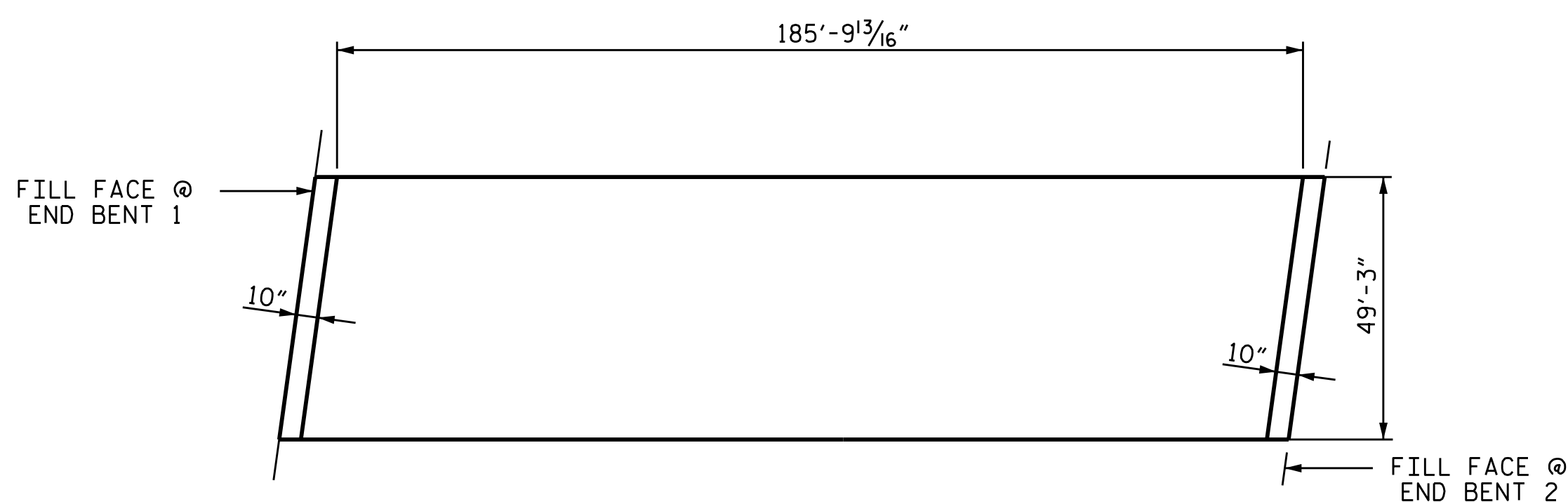
OPTIONAL DECK POURING SEQUENCE

② INDICATES POUR SEQUENCE

NO POUR 2 MAY BE STARTED UNTIL BOTH ADJACENT POURS 1 HAVE REACHED A MINIMUM STRENGTH OF 3000 PSI.

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	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"			

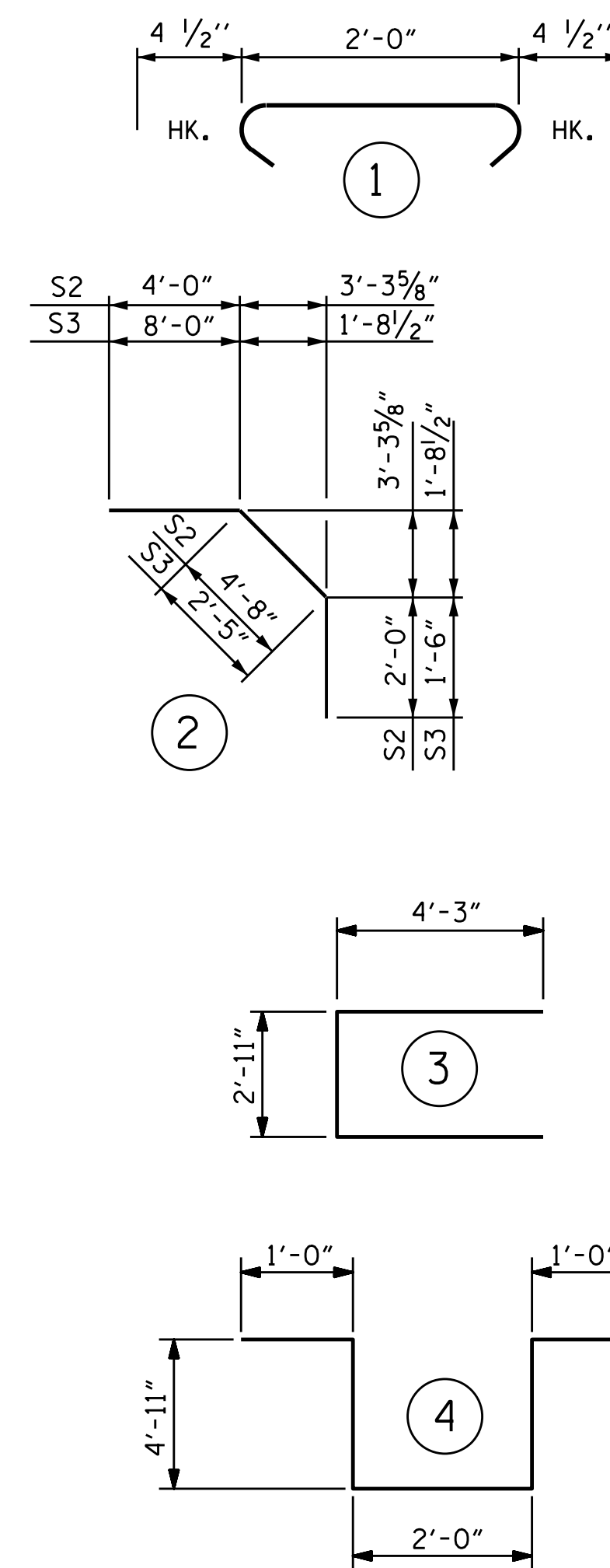


LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 9152)

BILL OF MATERIAL											
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
* A1	391	5	STR.	48'-11"	19949	A29	2	5	STR.	5'-7"	12
* A2	2	5	STR.	45'-8"	95	A30	2	5	STR.	2'-3"	5
* A3	2	5	STR.	42'-3"	88	* B1	165	4	STR.	38'-8"	4262
* A4	2	5	STR.	38'-11"	81	B2	256	5	STR.	47'-11"	12794
* A5	2	5	STR.	35'-7"	74	* B3	32	6	STR.	28'-2"	1354
* A6	2	5	STR.	32'-3"	67	* B4	64	6	STR.	34'-7"	3324
* A7	2	5	STR.	28'-11"	60	* B5	64	6	STR.	19'-9"	1899
* A8	2	5	STR.	25'-7"	53	* B6	64	6	STR.	18'-9"	1802
* A9	2	5	STR.	22'-3"	46						
* A10	2	5	STR.	18'-11"	39						
* A11	2	5	STR.	15'-7"	33	K1	20	4	STR.	25'-0"	334
* A12	2	5	STR.	12'-3"	26	K2	8	4	STR.	8'-2"	44
* A13	2	5	STR.	8'-11"	19	K3	32	4	STR.	9'-8"	207
* A14	2	5	STR.	5'-7"	12	K4	16	4	STR.	8'-8"	93
* A15	2	5	STR.	2'-3"	5	K5	4	4	STR.	2'-1"	5
A16	391	5	STR.	48'-11"	19949	K6	16	4	STR.	9'-4"	100
A17	2	5	STR.	45'-8"	95	K7	4	4	STR.	2'-4"	6
A18	2	5	STR.	42'-3"	88	K8	8	4	STR.	2'-10"	15
A19	2	5	STR.	38'-11"	81	K9	4	4	STR.	2'-8"	7
A20	2	5	STR.	35'-7"	74	K10	10	4	STR.	23'-6"	157
A21	2	5	STR.	32'-3"	67	K11	8	4	STR.	7'-2"	38
A22	2	5	STR.	28'-11"	60						
A23	2	5	STR.	25'-7"	53	S1	128	4	1	2'-9"	235
A24	2	5	STR.	22'-3"	46	* S2	80	4	2	10'-10"	579
A25	2	5	STR.	18'-11"	39	* S3	84	4	2	11'-11"	669
A26	2	5	STR.	15'-7"	33						
A27	2	5	STR.	12'-3"	26	U1	80	4	3	11'-5"	610
A28	2	5	STR.	8'-11"	19	U2	32	4	4	13'-10"	296

* EPOXY COATED REINFORCING STEEL

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

— SUPERSTRUCTURE BILL OF MATERIAL —

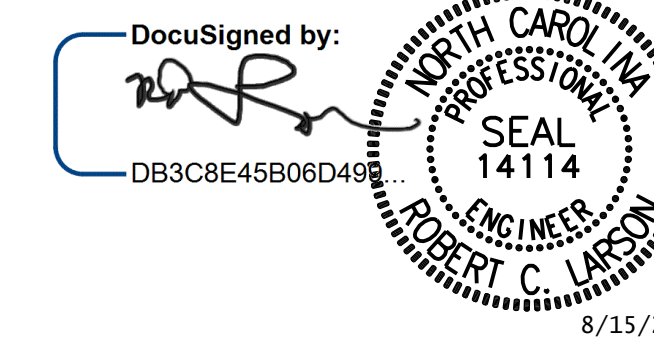
	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	EPOXY COATED REINFORCING STEEL (LBS.)
POUR 1	128.2		
POUR 2	166.8		
POUR 3	72.5		
TOTALS**	367.5	35,588	34,536

** QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

GROOVING BRIDGE FLOORS

APPROACH SLABS	1203 SQ.FT.
BRIDGE DECK	7980 SQ.FT.
TOTAL	9183 SQ.FT.

PROJECT NO. R-2561CA
COLUMBUS COUNTY
 STATION: 34+01.72 -Y-



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

DESIGN ENGINEER OF RECORD DATE: 8/15/2022
 DRAWN BY: A.K. ALLANKI DATE: 07/29/19
 CHECKED BY: R.C. LARSON DATE: 08/01/19

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ENGINEERS • PLANNERS • SCIENTISTS • CONSTRUCTION MANAGERS LICENSE NUMBER: C-0764
KCI Associates
 of North Carolina, P.A.
 4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609-6270 Phone (919) 785-5241

REVISIONS				SHEET NO.		
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S1-16
2			4			28