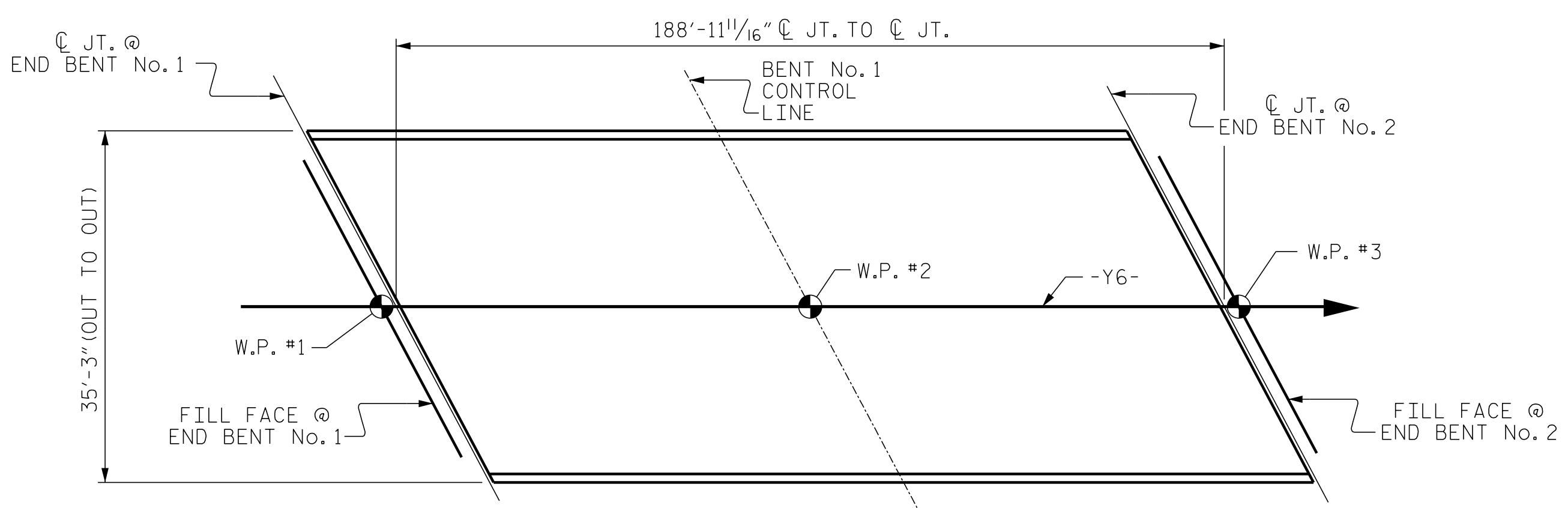
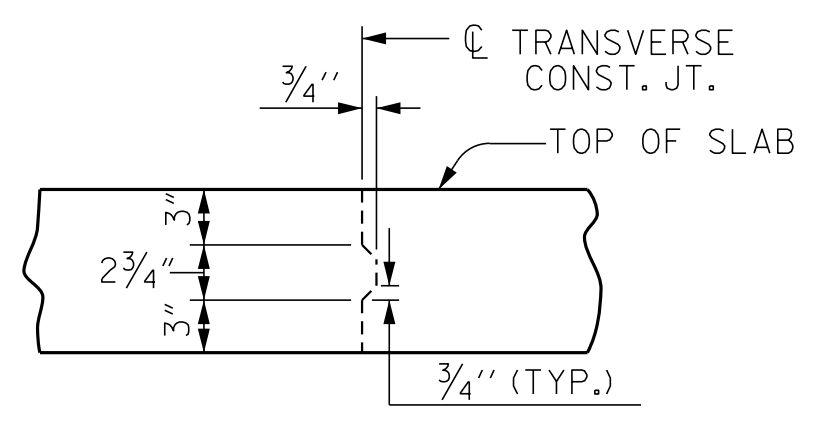


CONCRETE DECK POUR DETAIL



LAYOUT FOR COMPUTING AREA REINFORCED CONCRETE DECK SLAB (SQ. FT. = 6,661)



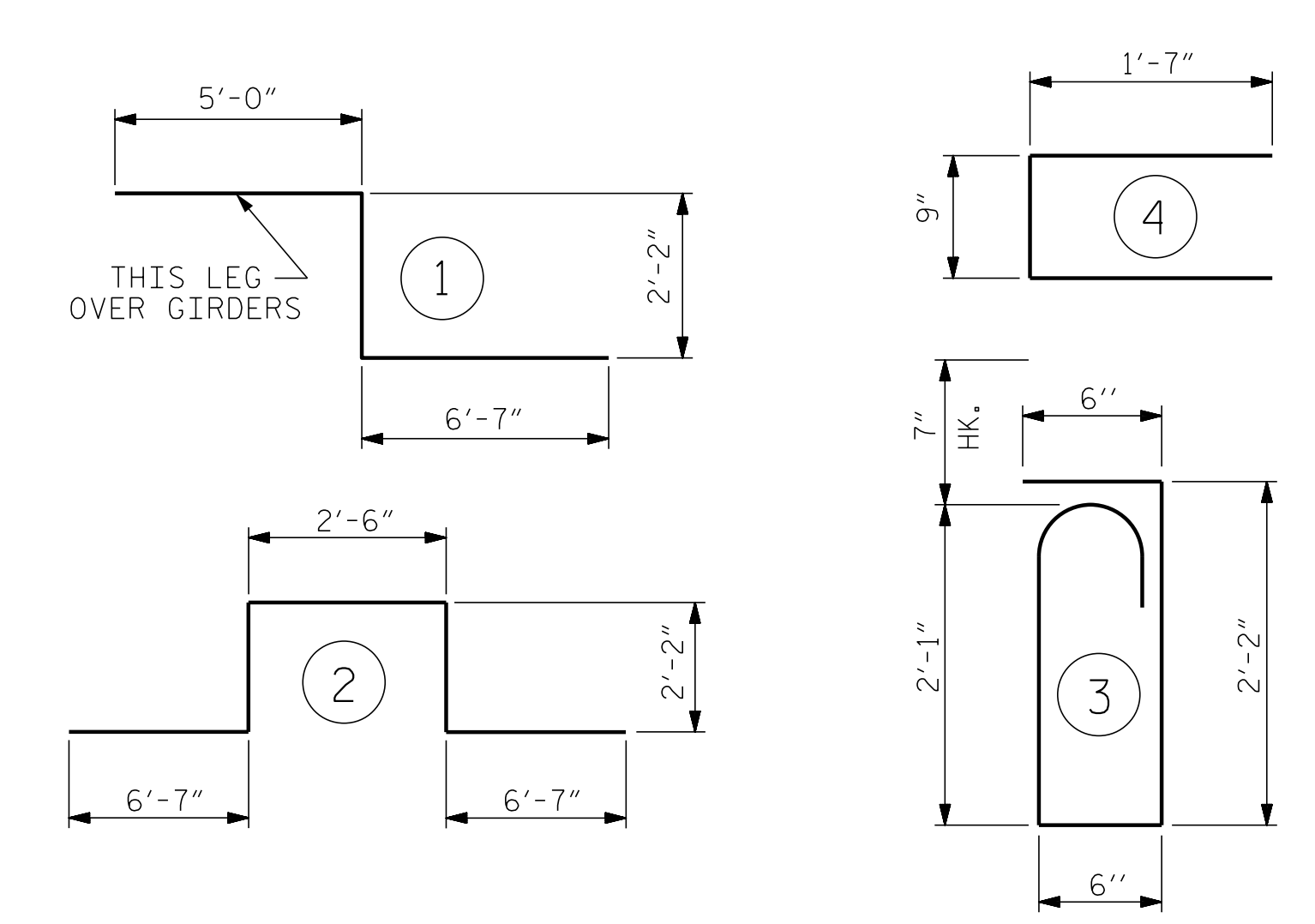
TRANSVERSE CONST. JOINT DETAIL

NOTE: SLAB 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	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"			

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
*A1	314	#5	STR	34'-11"	11,435
A2	314	#5	STR	34'-11"	11,435
*A101	6	#5	STR	32'-2"	201
*A102	6	#5	STR	29'-2"	183
*A103	6	#5	STR	26'-1"	163
*A104	6	#5	STR	23'-0"	144
*A105	6	#5	STR	20'-0"	125
*A106	6	#5	STR	16'-11"	106
*A107	6	#5	STR	13'-10"	87
*A108	6	#5	STR	10'-10"	68
*A109	6	#5	STR	7'-9"	48
*A110	6	#5	STR	4'-8"	29
A201	6	#5	STR	32'-2"	201
A202	6	#5	STR	29'-2"	183
A203	6	#5	STR	26'-1"	163
A204	6	#5	STR	23'-0"	144
A205	6	#5	STR	20'-0"	125
A206	6	#5	STR	16'-11"	106
A207	6	#5	STR	13'-10"	87
A208	6	#5	STR	10'-10"	68
A209	6	#5	STR	7'-9"	48
A210	6	#5	STR	4'-8"	29

SUPERSTRUCTURE BILL OF MATERIAL

	CLASS AA CONCRETE (CU. YDS.)	REINFORCING STEEL (LBS.)	* EPOXY COATED REINFORCING STEEL (LBS.)
TOTALS**	214.3	22,181	19,542

**QUANTITIES FOR BARRIER RAIL ARE NOT INCLUDED

*B1	96	#4	STR	32'-4"	2,073
*B2	48	#5	STR	34'-9"	1,740
*B3	46	#5	STR	40'-0"	1,919
B4	152	#5	STR	48'-8"	7,715
B5	33	#5	STR	48'-0"	1,652
*G1	2	#5	STR	39'-6"	82
*K1	8	#8	1	13'-9"	294
*K2	8	#8	2	20'-0"	427
K3	18	#6	STR	8'-4"	225
*S1	48	#5	3	5'-10"	292
*S2	48	#4	4	3'-11"	126

REINFORCING STEEL LBS. 22,181
 * EPOXY COATED REINFORCING STEEL LBS. 19,542
 * THESE BARS ARE EPOXY COATED.

GROOVING BRIDGE FLOORS

APPROACH SLABS	785 SQ.FT.
BRIDGE DECK	5,436 SQ.FT.
TOTAL	6,221 SQ.FT.

CONCRETE BREAKDOWN

	CLASS AA CONCRETE (CU. YDS.)
POUR #1	190.7
POUR #2	23.6
TOTALS ***	214.3

*** QUANTITIES FOR BARRIER RAILS ARE NOT INCLUDED

PROJECT NO. I-5987B
 ROBESON COUNTY
 STATION: 30+28.11 -Y6-

ENGINEER OF RECORD
 3/24/2022
 NORTH CAROLINA PROFESSIONAL SEAL 37400
 GREGORY M. GILLAND
 WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 LICENSE NO. F-0377

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

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

TOTAL SHEETS 28

DRAWN BY: DAH/GMG DATE: 11/21
 CHECKED BY: J. DILWORTH DATE: 11/21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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