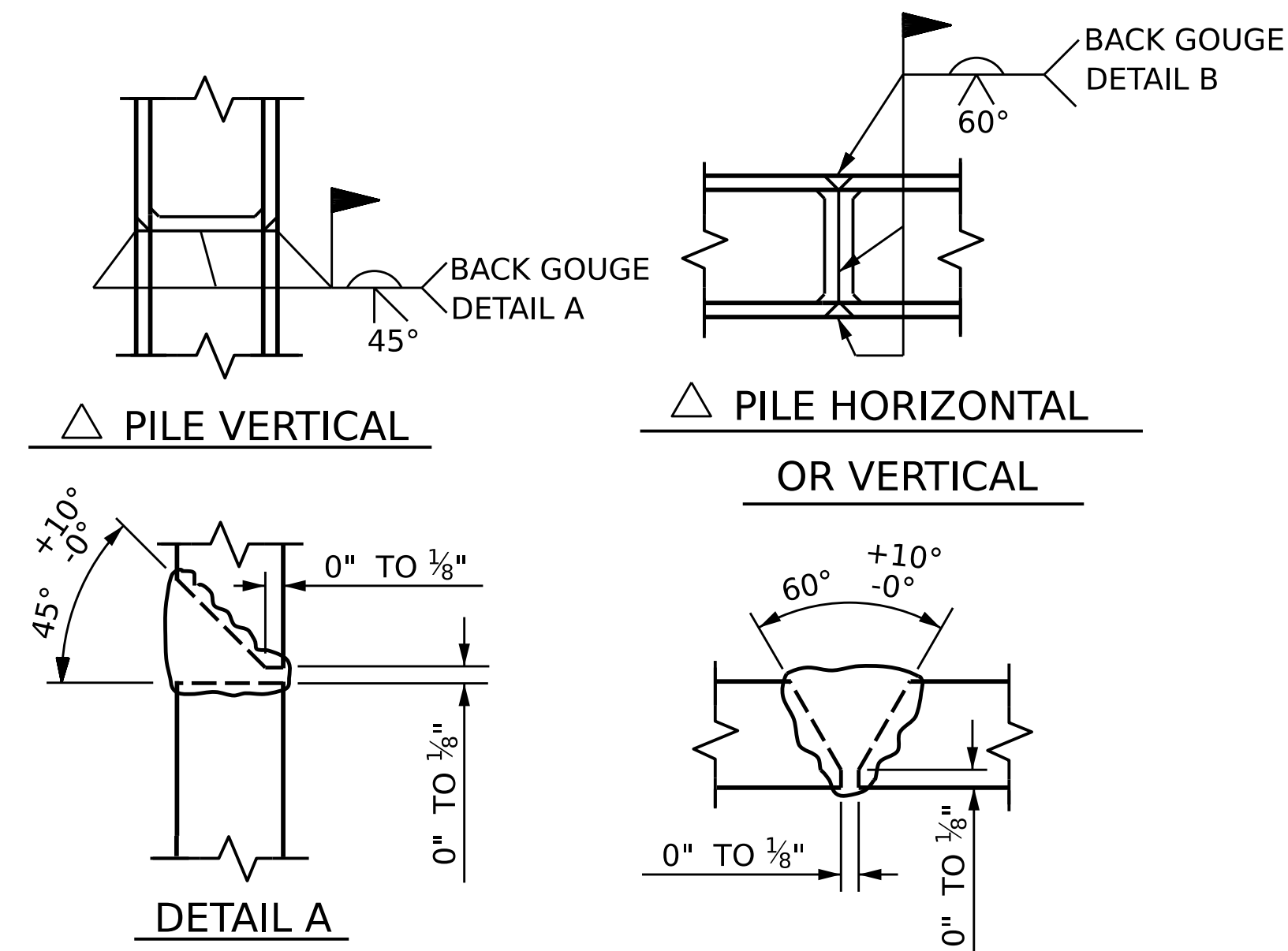


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR EFFECTIVENESS.

NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

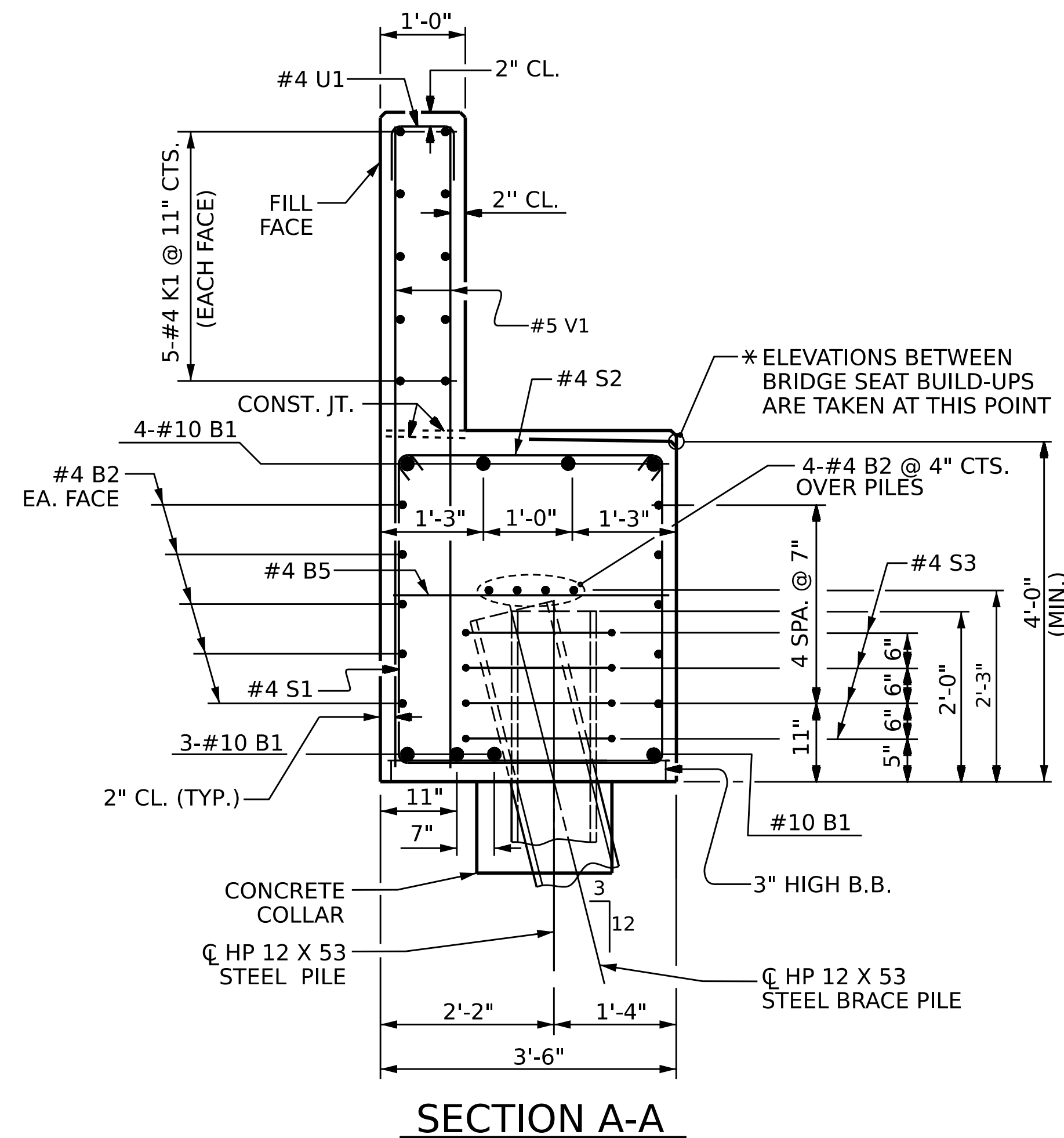
TEMPORARY DRAINAGE AT END BENT



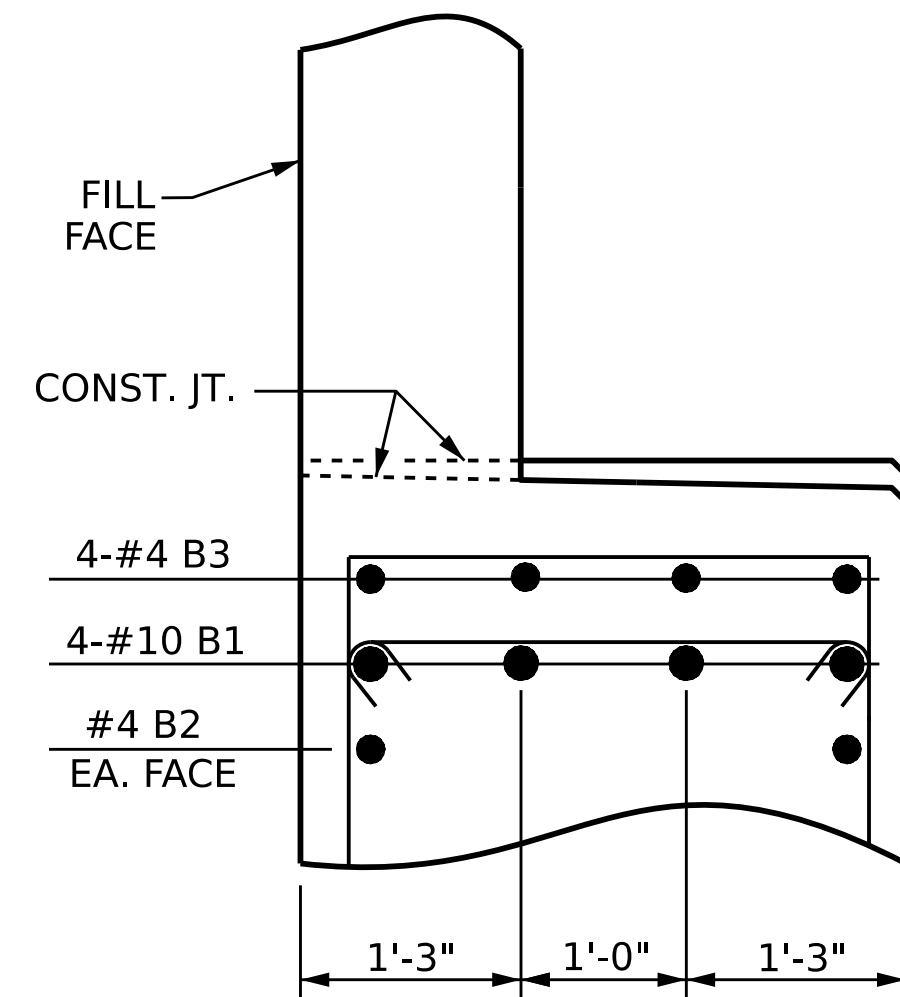
△ POSITION OF PILE DURING WELDING.

DETAIL B

PILE SPLICE DETAILS

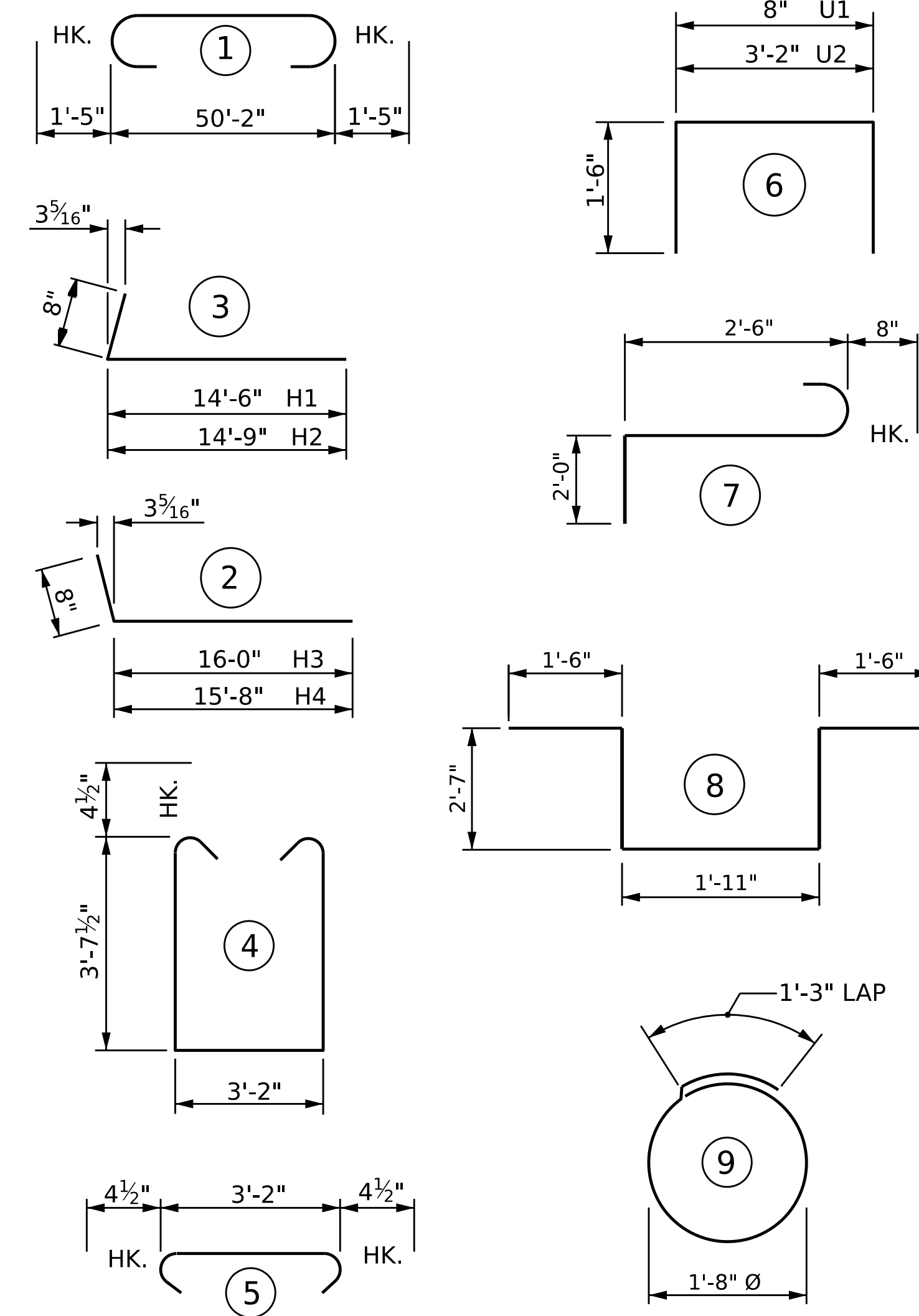


SECTION A-A



PARTIAL SECTION B-B

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT

BILL OF MATERIAL

END BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#10	1	53'-0"	1824
B2	28	#4	STR	27'-7"	516
B3	4	#4	STR	27'-2"	73
B4	4	#4	STR	8'-7"	23
B5	13	#4	STR	3'-2"	27
H1	12	#4	2	15'-2"	122
H2	12	#4	2	15'-5"	124
H3	12	#4	3	16'-8"	134
H4	12	#4	3	16'-4"	131
K1	20	#4	STR	27'-7"	369
K2	8	#4	STR	3'-3"	17
S1	58	#4	4	11'-2"	433
S2	58	#4	5	3'-11"	152
S3	32	#4	9	6'-6"	139
S4	6	#6	7	5'-2"	47
S5	6	#6	8	10'-1"	91
U1	44	#4	6	3'-8"	108
U2	25	#4	6	6'-2"	103
V1	88	#5	STR	7'-11"	727
V2	38	#5	STR	10'-0"	396
V3	40	#5	STR	9'-7"	400

REINFORCING STEEL LBS. 5,956

CLASS A CONCRETE

POUR #1 CU. YDS. 36.5
(CAP, LOWER WINGS, & COLLARS)

POUR #2 CU. YDS. 15.0
(UPPER WINGS & BACKWALL)

TOTAL CU. YDS. 51.5

PROJECT NO. BR-0095

ROCKINGHAM COUNTY

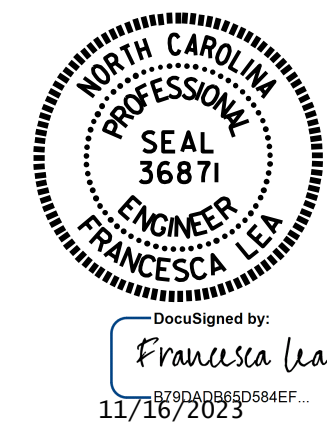
STATION: 16+91.66 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE

END BENT 1



DocuSigned by:
Francesca Lea
11/16/2023 10:45:00 AM

DRAWN BY : Q. T. NGUYEN DATE : 03/2023
CHECKED BY : Z. MALIK DATE : 03/2023
DESIGN ENGINEER OF RECORD : Z. MALIK DATE : 03/2023

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

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

TOTAL SHEETS: 29