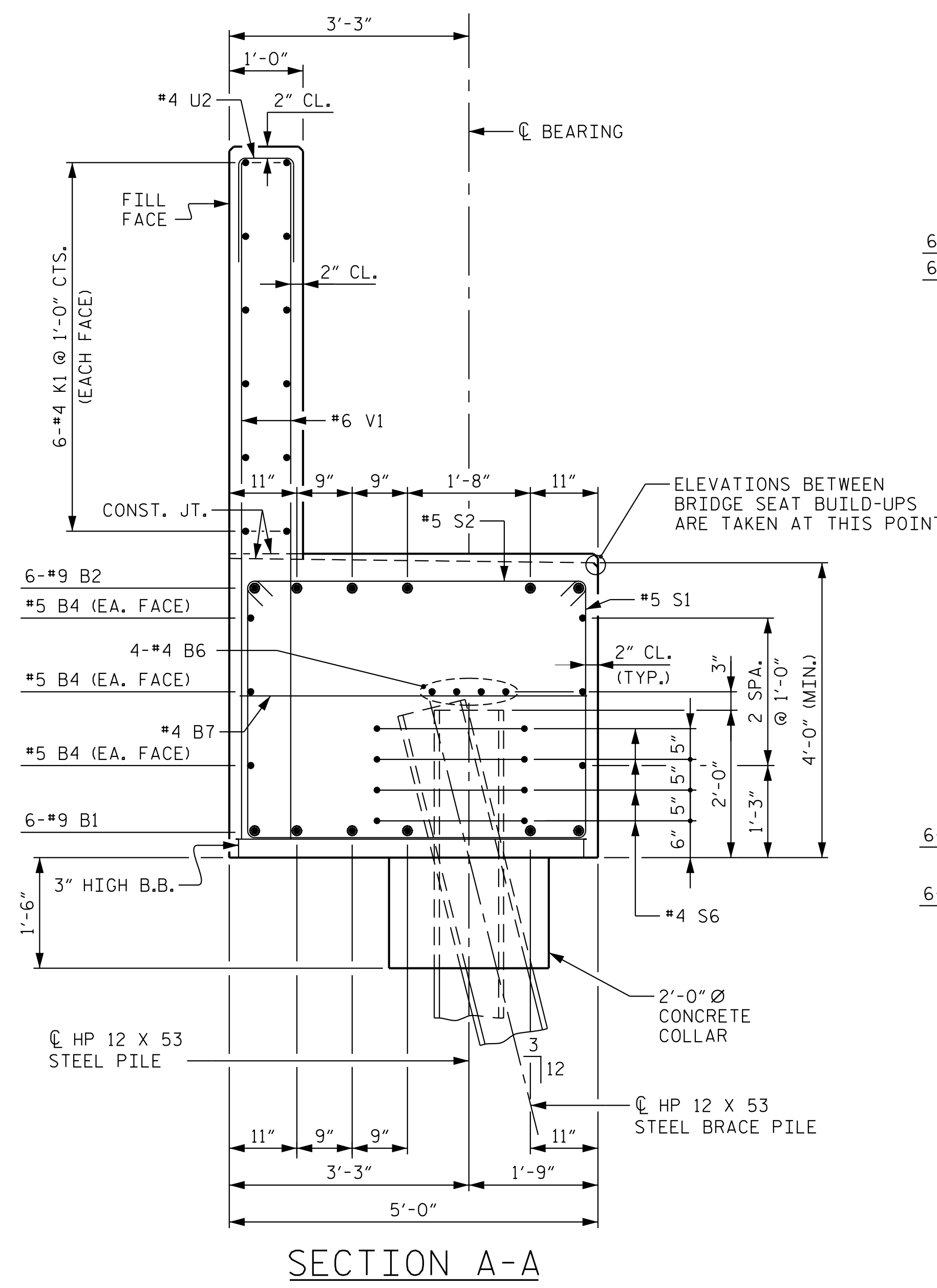
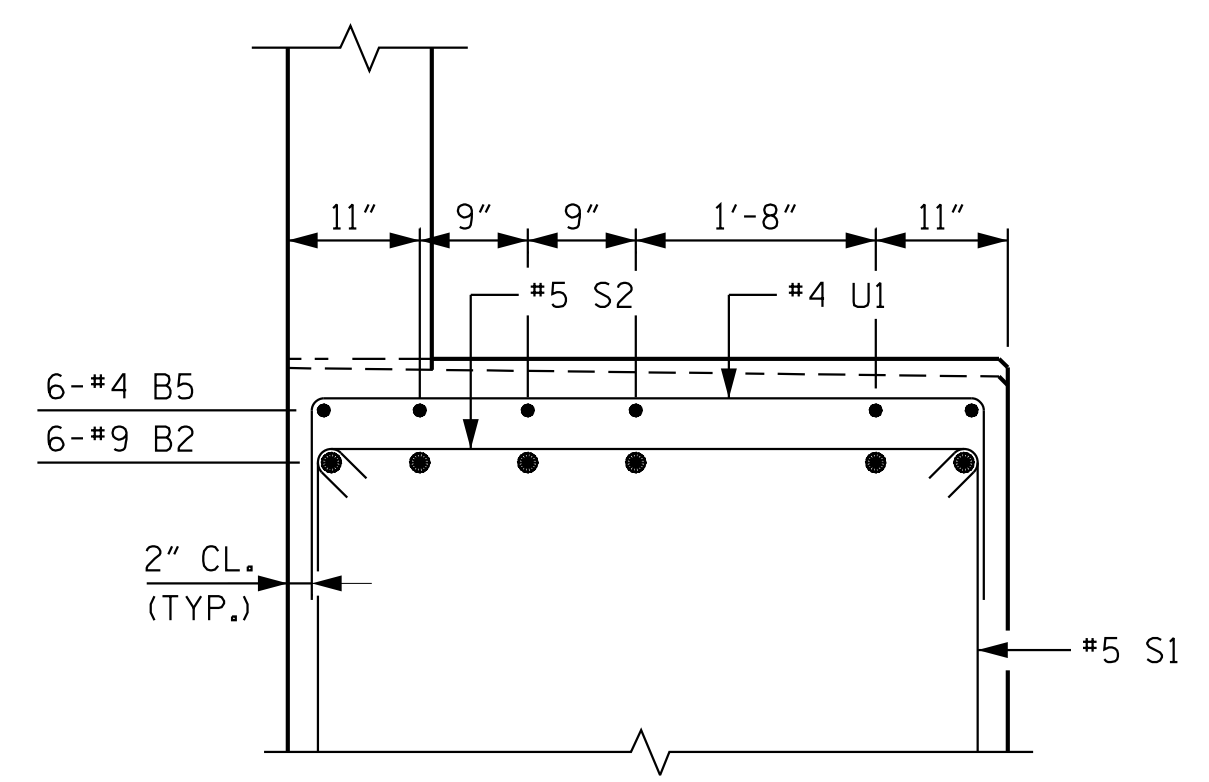


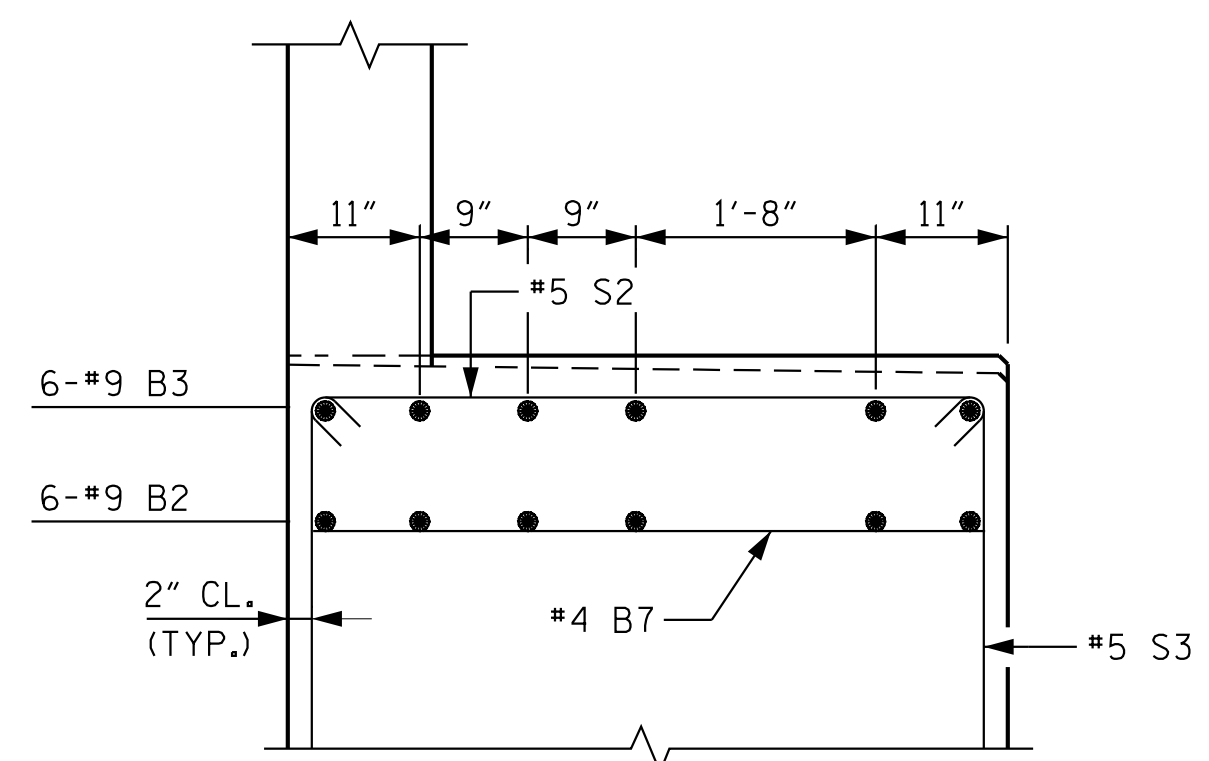
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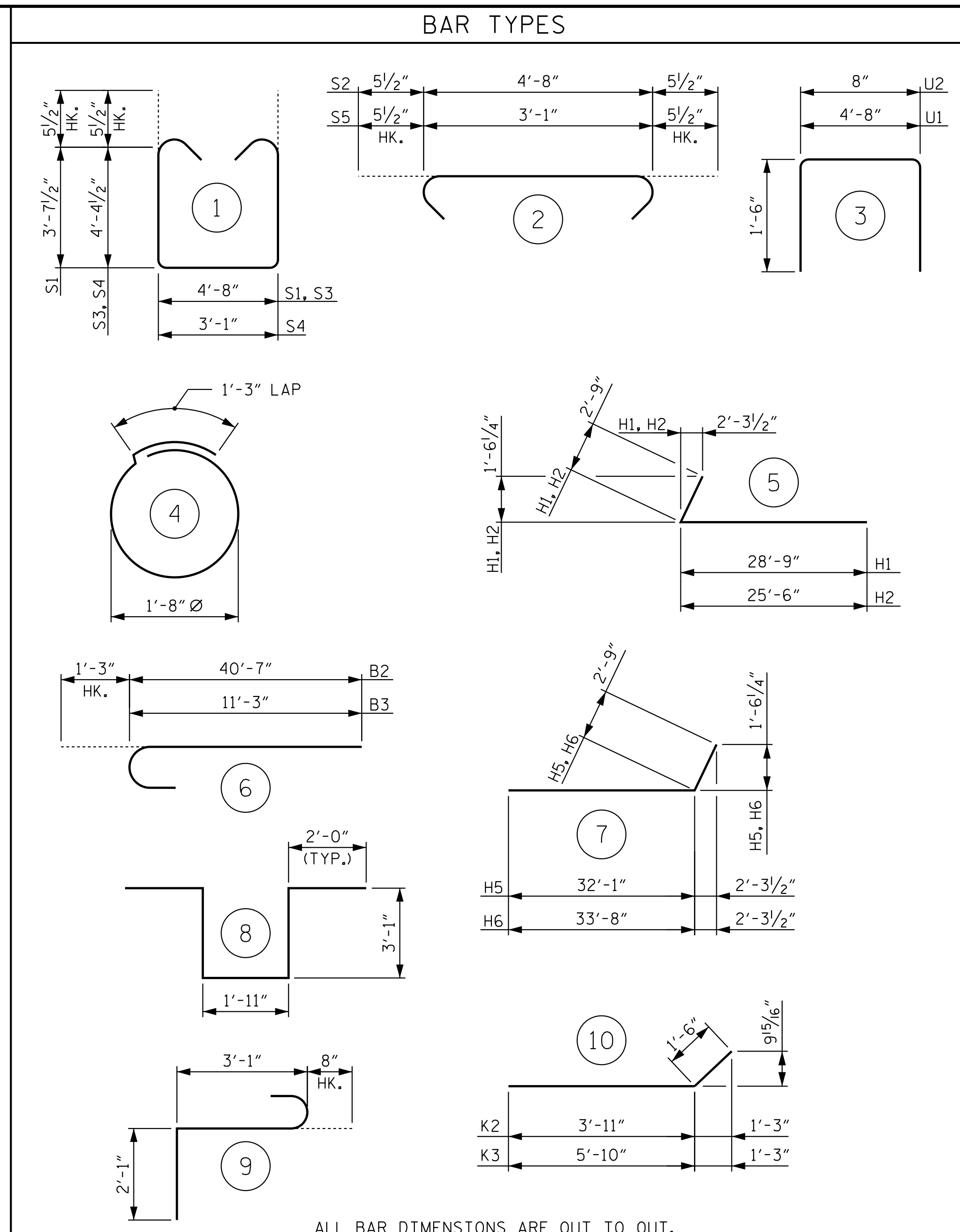
SECTION A-A



PARTIAL SECTION B-B

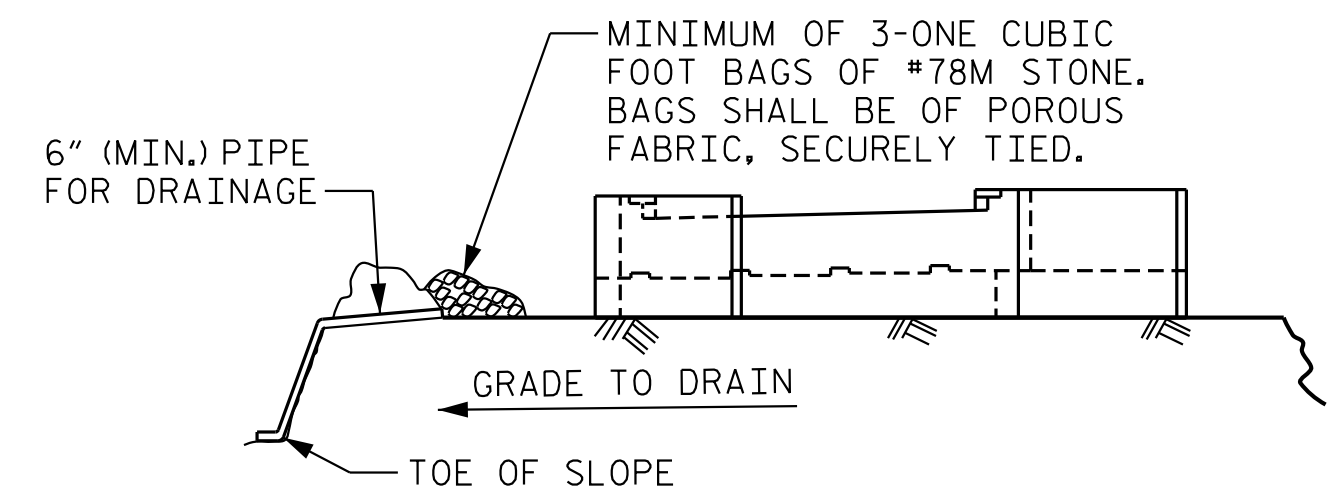


PARTIAL SECTION C-C



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	9	STR	39'-11"	1,629
B2	12	9	6	41'-10"	1,707
B3	6	9	6	12'-6"	255
B4	12	5	STR	39'-5"	493
B5	12	4	STR	17'-2"	138
B6	8	4	STR	37'-9"	202
B7	23	4	STR	4'-8"	72
H1	24	11	5	31'-6"	4,017
H2	24	11	5	28'-3"	3,602
H3	24	6	STR	12'-2"	439
H4	24	6	STR	9'-3"	333
H5	26	11	7	34'-10"	4,812
H6	26	11	7	36'-5"	5,031
H7	26	6	STR	12'-2"	475
H8	26	6	STR	9'-3"	361
K1	24	4	STR	39'-1"	627
K2	16	4	10	5'-5"	58
K3	16	4	10	7'-4"	78
S1	102	5	1	12'-10"	1,365
S2	124	5	2	5'-7"	722
S3	22	5	1	14'-4"	329
S4	3	5	1	12'-9"	40
S5	3	5	2	4'-0"	13
S6	28	4	4	6'-6"	122
S7	12	6	8	12'-1"	218
S8	12	6	9	5'-10"	105
U1	40	4	3	7'-8"	205
U2	62	4	3	3'-8"	152
V1	124	6	STR	9'-7"	1,785
V2	65	6	STR	11'-4"	1,106
V3	78	6	STR	12'-0"	1,406
REINFORCING STEEL					31,897 LBS.
CLASS A CONCRETE BREAKDOWN					
POUR 1 (CAP & LOWER WING)					82.1 C.Y.
POUR 2 (BACKWALL & UPPER PORTION OF WING)					54.7 C.Y.
TOTAL CLASS A CONCRETE					136.8 C.Y.
HP 12 X 53 STEEL PILES					
NO. 11					825 LIN. FT.
PILE REDRIVES					4 EA.
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES					11 EA.

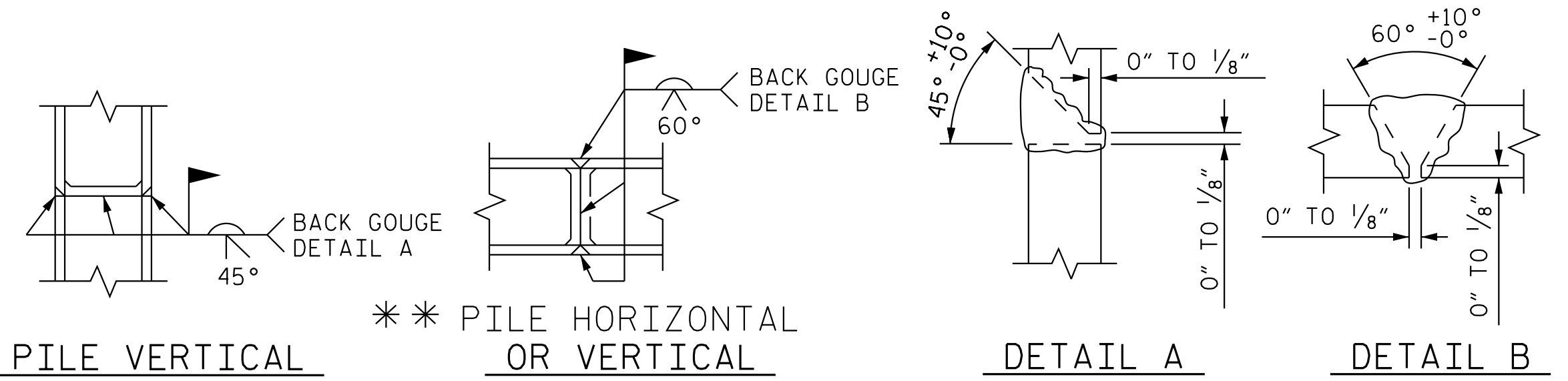


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



** PILE VERTICAL ** PILE HORIZONTAL OR VERTICAL

PILE SPLICE DETAILS

** POSITION OF PILE DURING WELDING.

Kimley»Horn
 421 Fayetteville Street, Suite 600
 Raleigh, NC 27601-1772
 Phone (919) 677-2000 NC LICENSE # F-0102

PROJECT NO. B-5301
PITT COUNTY
 STATION: 25+98.05 -L-

SHEET 5 OF 5

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
END BENT 1					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-42				
TOTAL SHEETS 55				

DRAWN BY: <u>D. D. LOWERY</u>	DATE: <u>2/20</u>
CHECKED BY: <u>C. I. POOLE</u>	DATE: <u>2/20</u>
DESIGN ENGINEER OF RECORD: <u>A. L. PHILLIPS</u>	DATE: <u>2/20</u>

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**