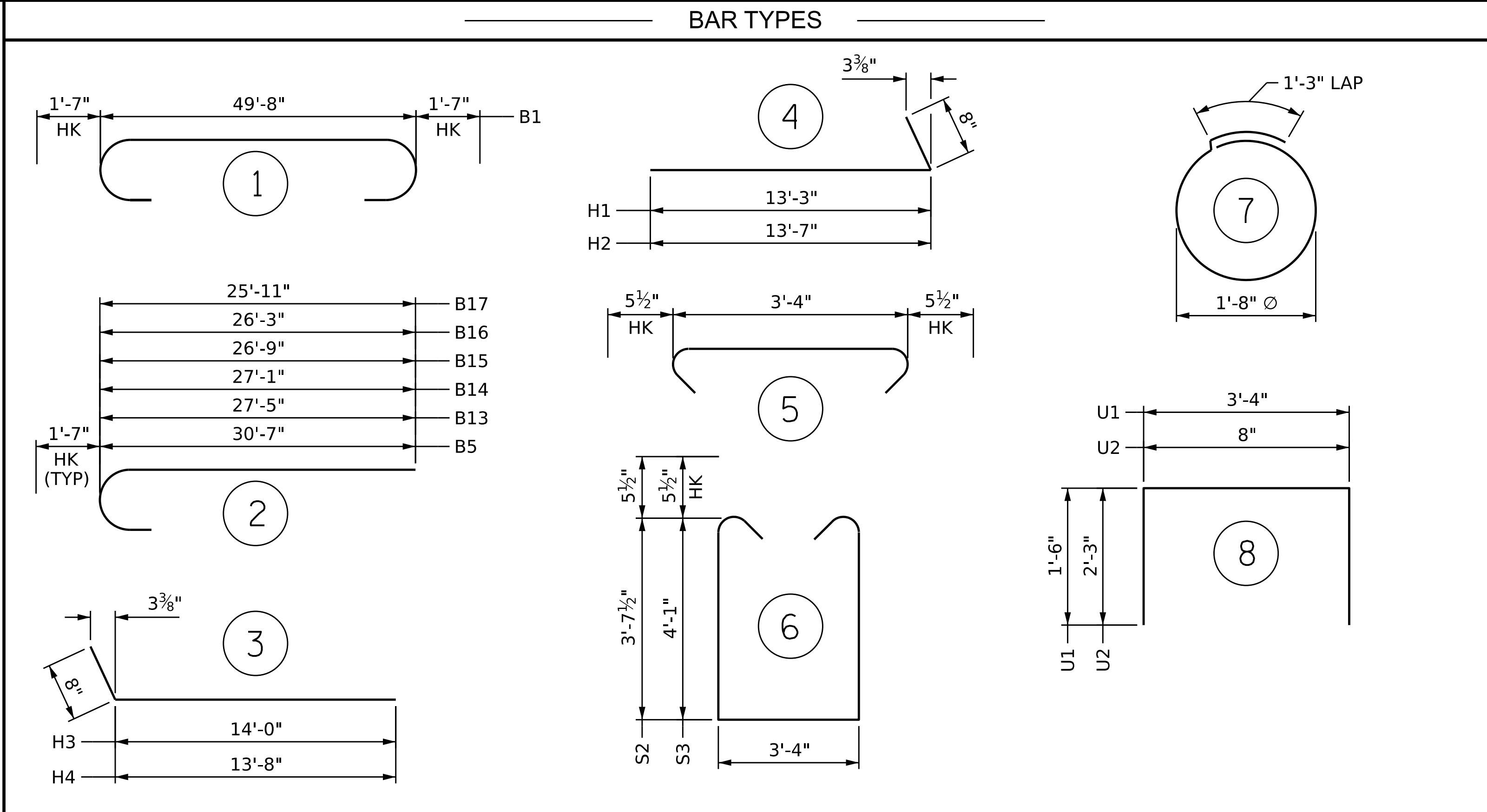


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

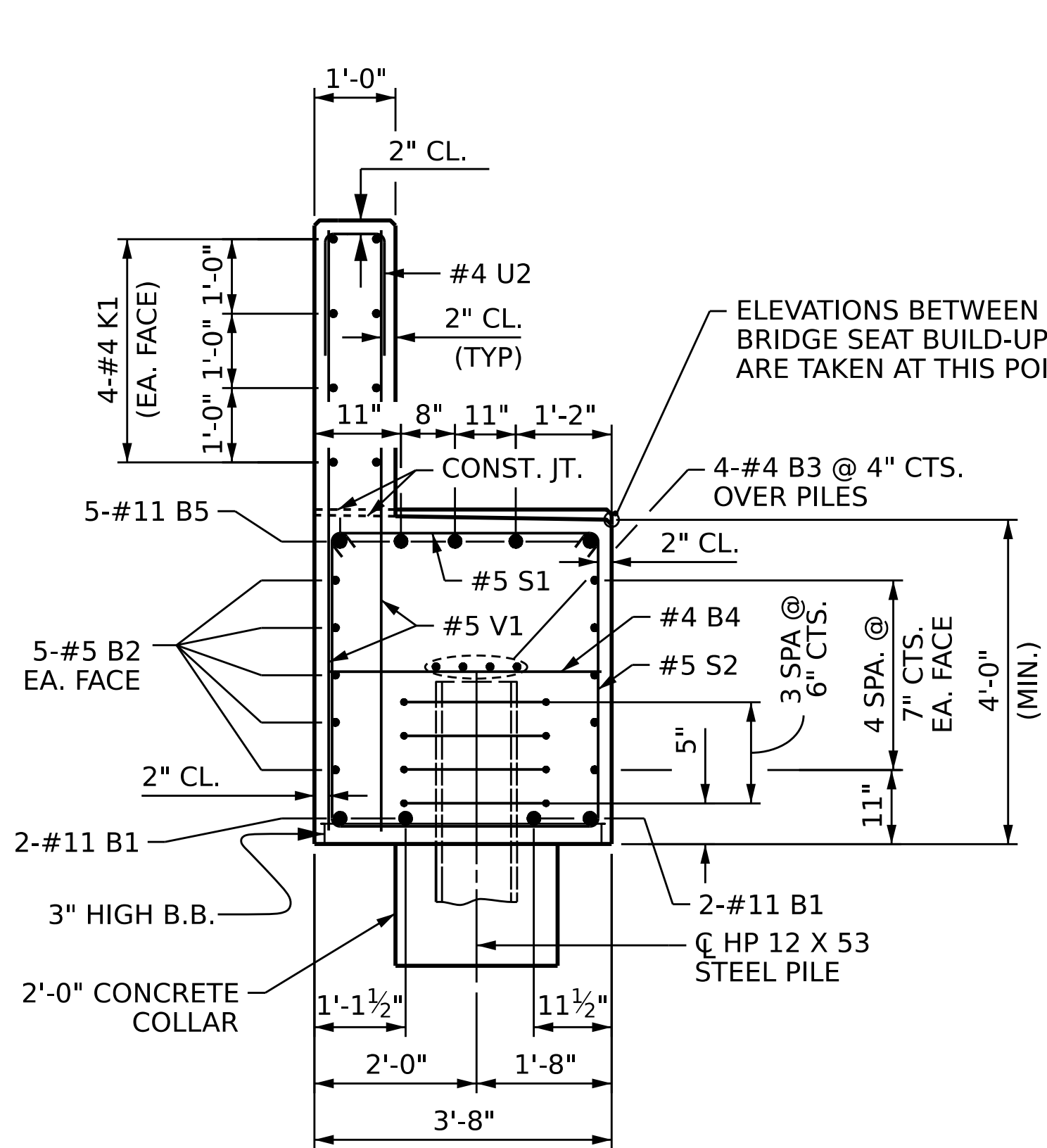
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT

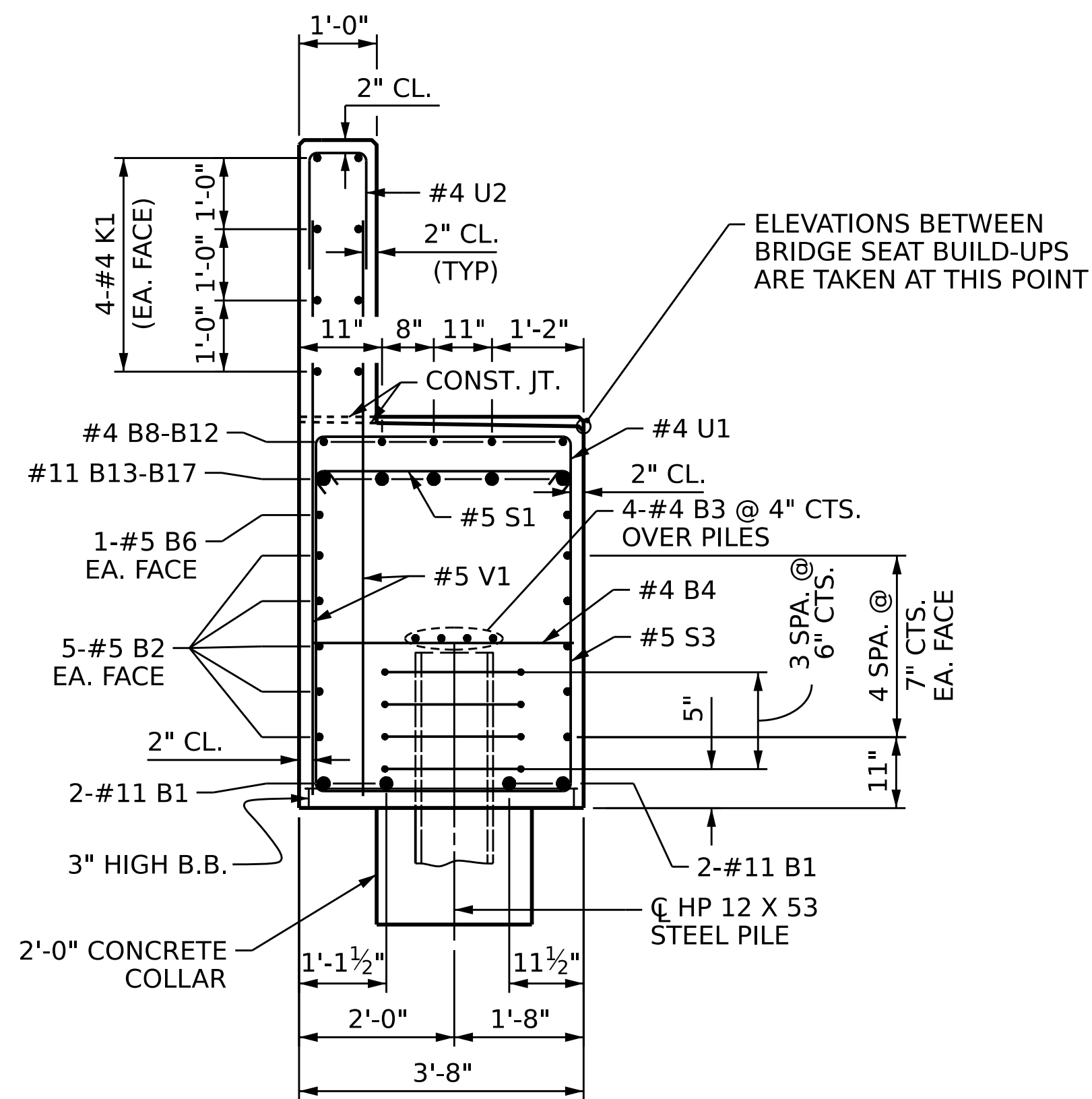


BILL OF MATERIAL

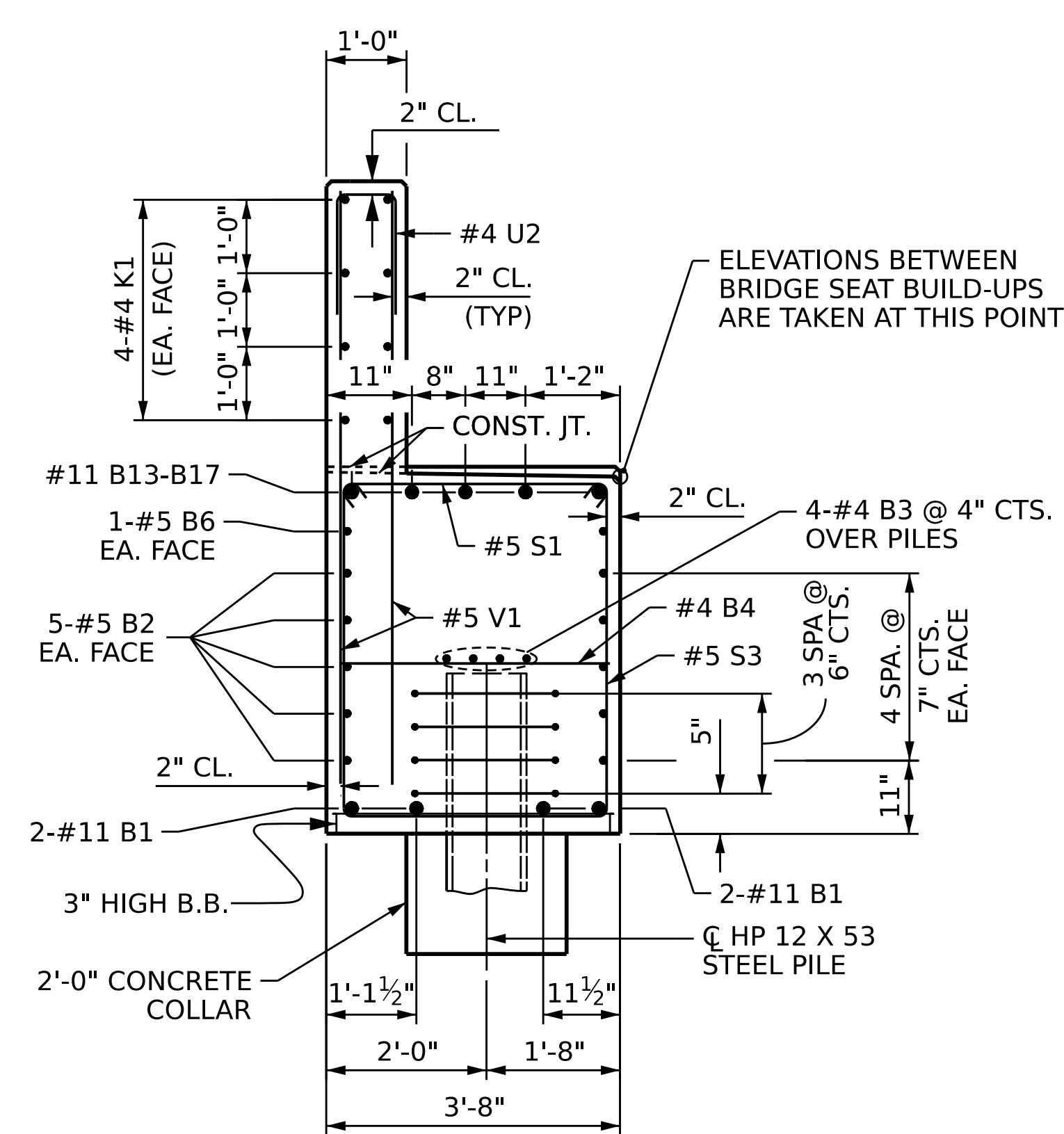
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#11	1	52'-10"	1123
B2	10	#5	STR	49'-10"	520
B3	8	#4	STR	26'-2"	140
B4	16	#4	STR	3'-4"	36
B5	5	#11	2	32'-2"	855
B6	2	#5	STR	22'-2"	46
B7	10	#4	STR	3'-3"	22
B8	1	#4	STR	9'-3"	6
B9	1	#4	STR	9'-0"	6
B10	1	#4	STR	8'-8"	6
B11	1	#4	STR	8'-2"	5
B12	1	#4	STR	7'-10"	5
B13	1	#11	2	29'-0"	154
B14	1	#11	2	28'-8"	152
B15	1	#11	2	28'-4"	151
B16	1	#11	2	27'-11"	148
B17	1	#11	2	27'-6"	146
H1	19	#6	3	13'-11"	397
H2	19	#6	3	14'-3"	407
H3	21	#6	4	14'-8"	463
H4	21	#6	4	14'-4"	452
K1	16	#4	STR	26'-2"	280
K2	6	#4	STR	4'-2"	17
K3	6	#4	STR	4'-1"	16
S1	78	#5	5	4'-3"	346
S2	37	#5	6	11'-6"	444
S3	41	#5	6	12'-5"	531
S4	28	#4	7	6'-6"	122
U1	17	#4	8	6'-4"	72
U2	42	#4	8	5'-2"	145
V1	84	#5	STR	7'-4"	642
V2	40	#5	STR	9'-1"	379
V3	40	#5	STR	9'-10"	410
REINFORCING STEEL					8643 LBS.



SECTION A-A



SECTION B-B



SECTION C-C

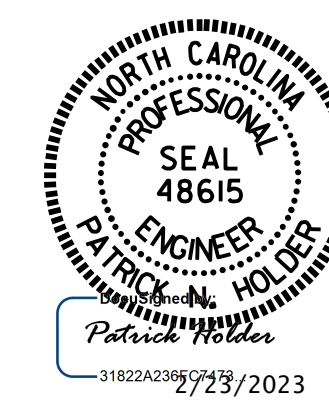
REINFORCING STEEL					8643 LBS.
CLASS A CONCRETE					
POUR #1 (CAP, COLLARS, & LOWER PART OF WINGS)					35.3 C.Y.
POUR #2 (BACKWALL & UPPER PART OF WINGS)					12.9 C.Y.
TOTAL CLASS A CONCRETE					48.1 C.Y.

PROJECT NO. **BR-0073**
COLUMBUS COUNTY
 STATION: **18+24.50 -L-**

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
END BENT 2



VOLKERT
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 Raleigh, NC 27607
 Tel. 919-854-0344 Fax. 919-854-0355
 NC License No. F-0765

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-35
1			3			TOTAL SHEETS
2			4			38

DRAWN BY: **B.H. BARNHILL** DATE: **10/22**
 CHECKED BY: **D. GLADDEN** DATE: **11/22**
 DESIGN ENGINEER OF RECORD: **P. N. HOLDER** DATE: **11/22**