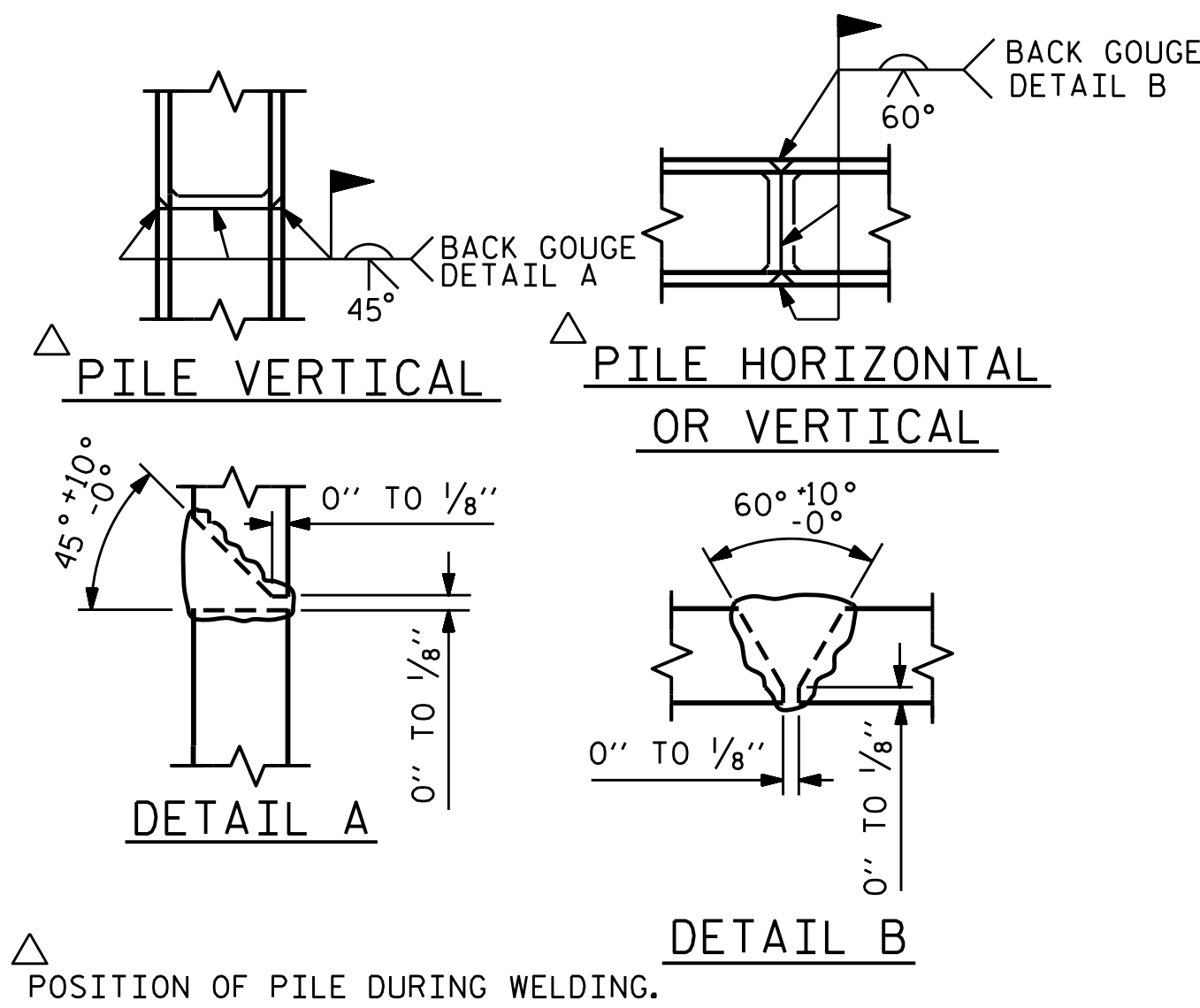


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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.

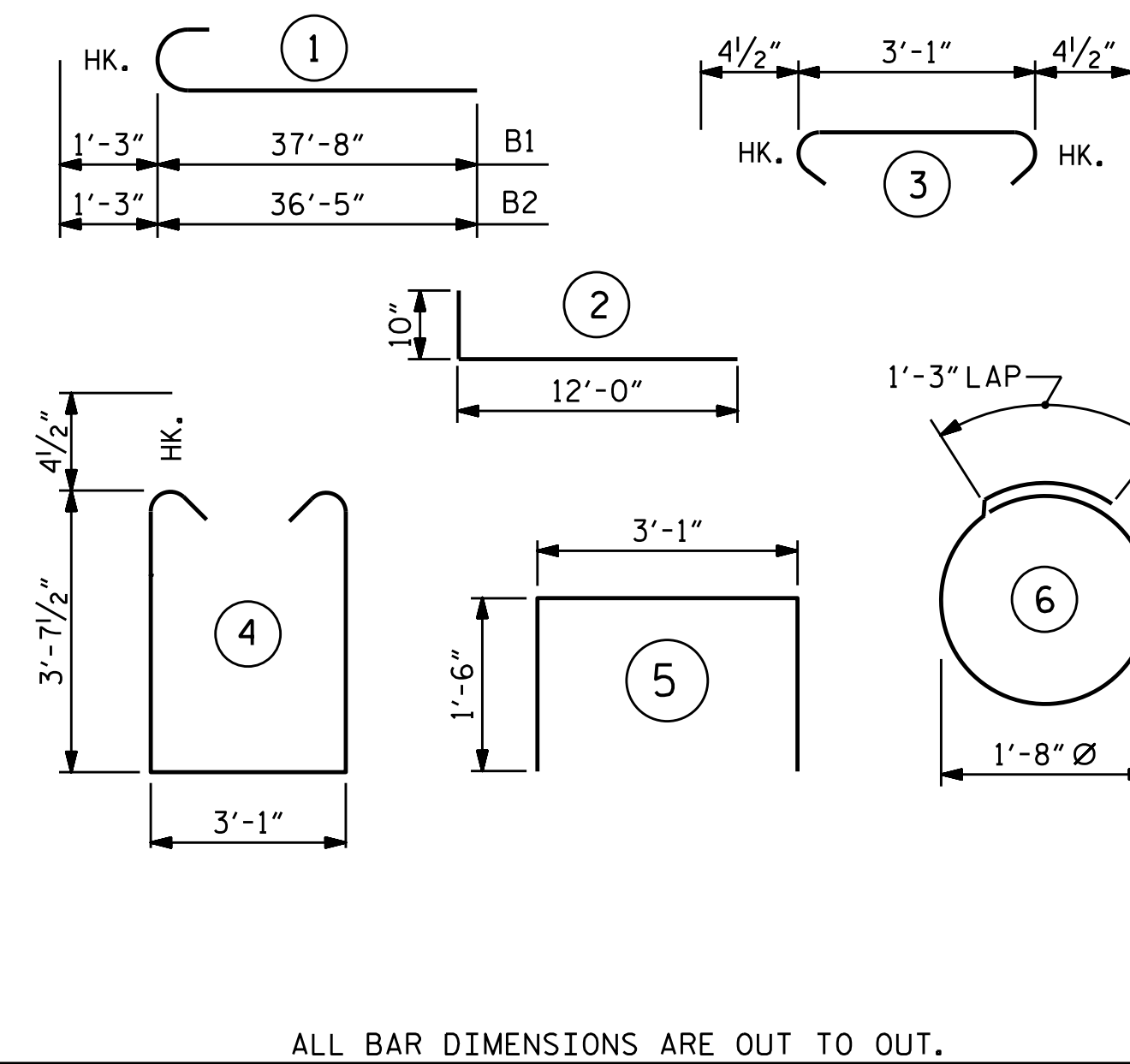
NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE ENTIRE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE BID FOR THE SEVERAL PAY ITEMS.

TEMPORARY DRAINAGE AT END BENT



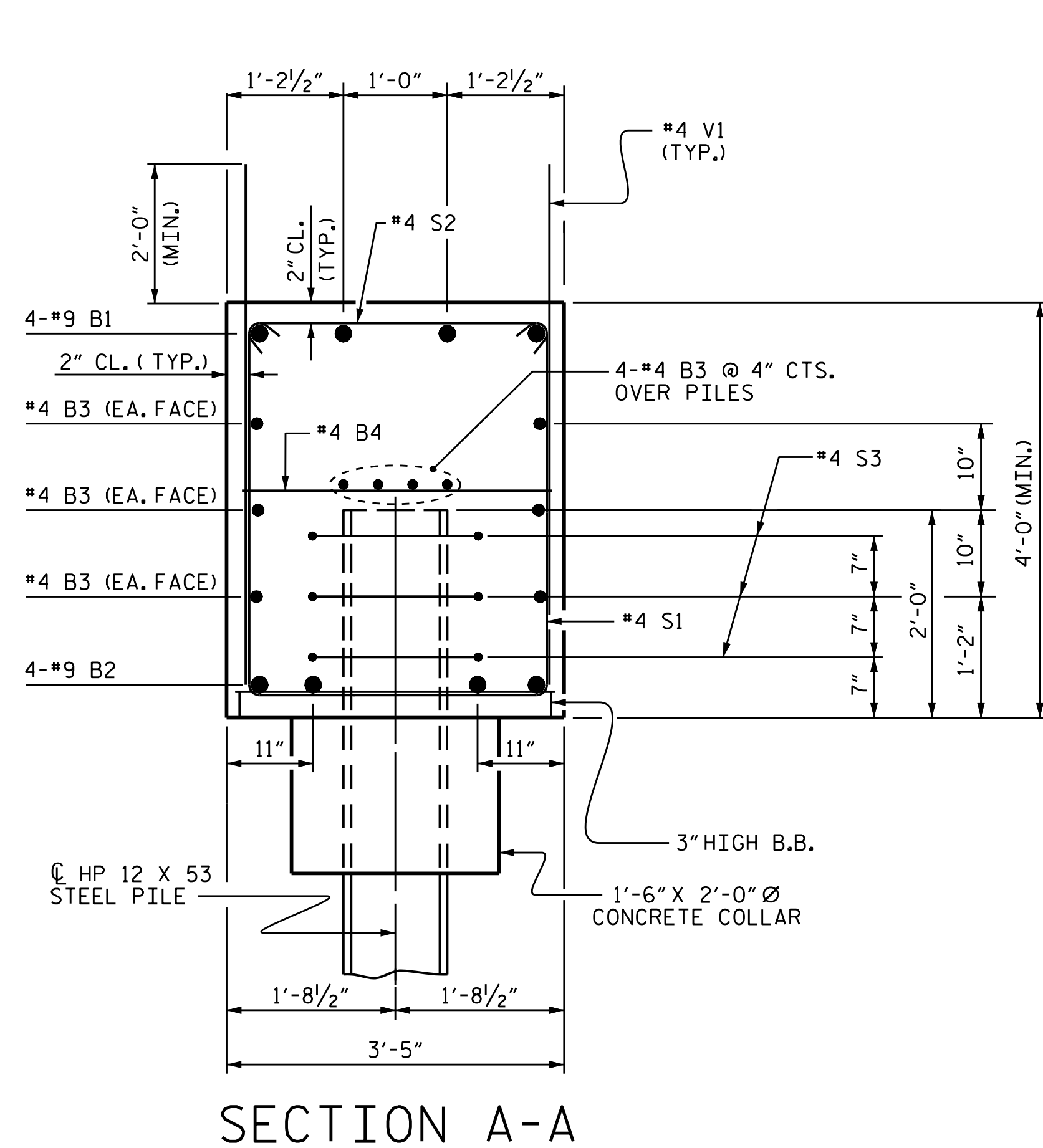
PILE SPLICE DETAILS

BAR TYPES

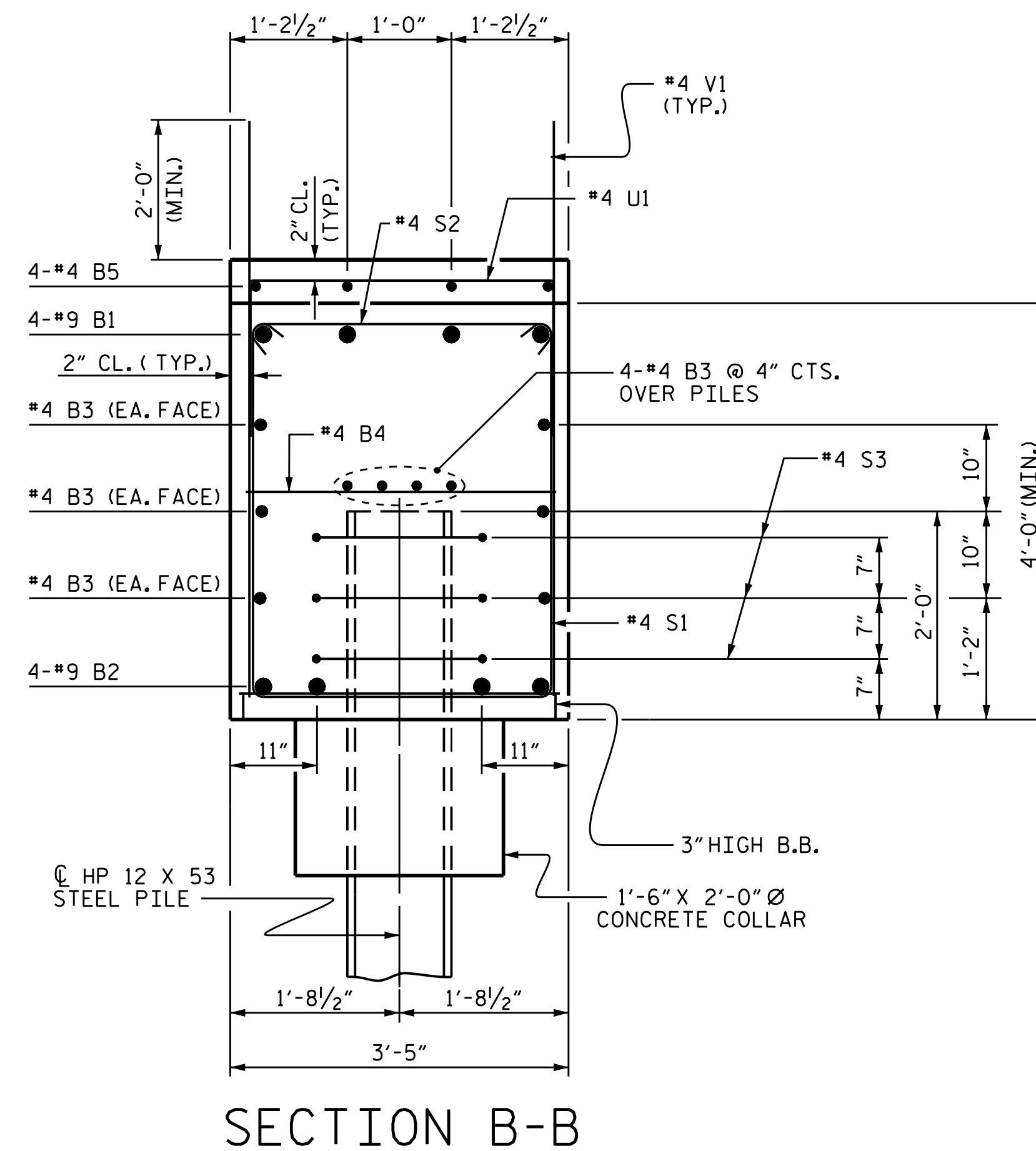


BILL OF MATERIAL

END BENT 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#9	1	38'-11"	1059
B2	8	#9	1	37'-8"	1025
B3	30	#4	STR	23'-10"	478
B4	17	#4	STR	3'-1"	35
B5	4	#4	STR	13'-8"	37
H1	88	#5	2	12'-10"	1178
K1	28	#4	STR	3'-6"	65
S1	88	#4	4	11'-1"	652
S2	88	#4	3	3'-10"	225
S3	33	#4	6	6'-6"	143
U1	10	#4	5	6'-1"	41
V1	88	#4	STR	6'-0"	353
V2	68	#5	STR	10'-9"	762
REINFORCING STEEL					LBS. 6,053
CLASS A CONCRETE					
POUR #1 CAP, LOWER PART OF WINGS, & COLLARS				C.Y.	45.0
POUR #2 UPPER PART OF WINGS				C.Y.	7.7
TOTAL				C.Y.	52.7
HP 12 X 53 STEEL PILES					
NO.: 11				LIN. FT.	470
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES					
				EACH	11



SECTION A-A



SECTION B-B

PROJECT NO. U-2579C
 FORSYTH COUNTY
 STATION: 29+24.97 -Y1-

SHEET 3 OF 3



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 INTEGRAL END BENT 1

DRAWN BY: N.D. AIUTO DATE: 4/6/16
 CHECKED BY: K.D. LAYNE DATE: 4/14/16
 DESIGN ENGINEER OF RECORD: H.A. LOCKLEAR DATE: 6/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-23
1			3			TOTAL SHEETS 32
2			4			