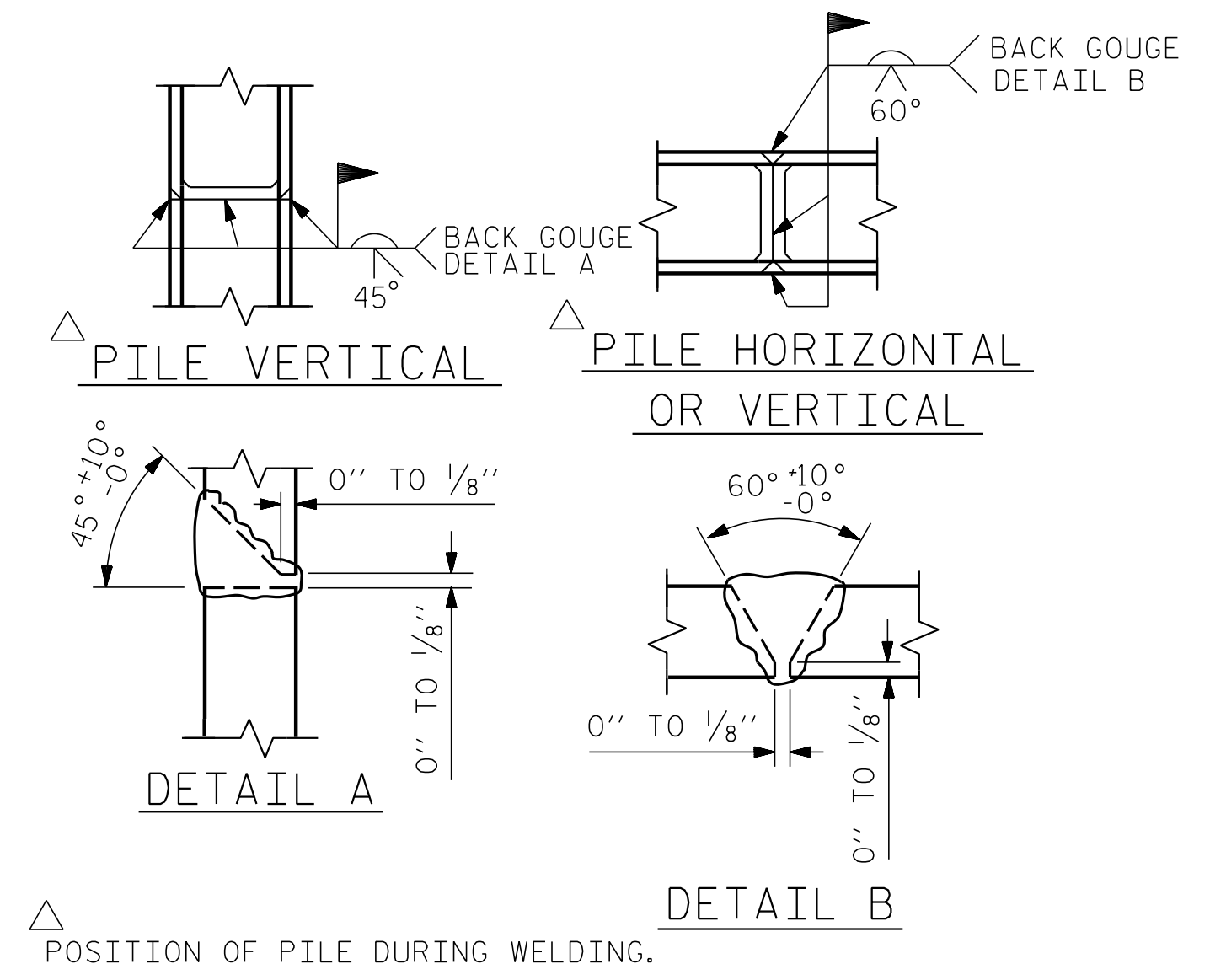


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

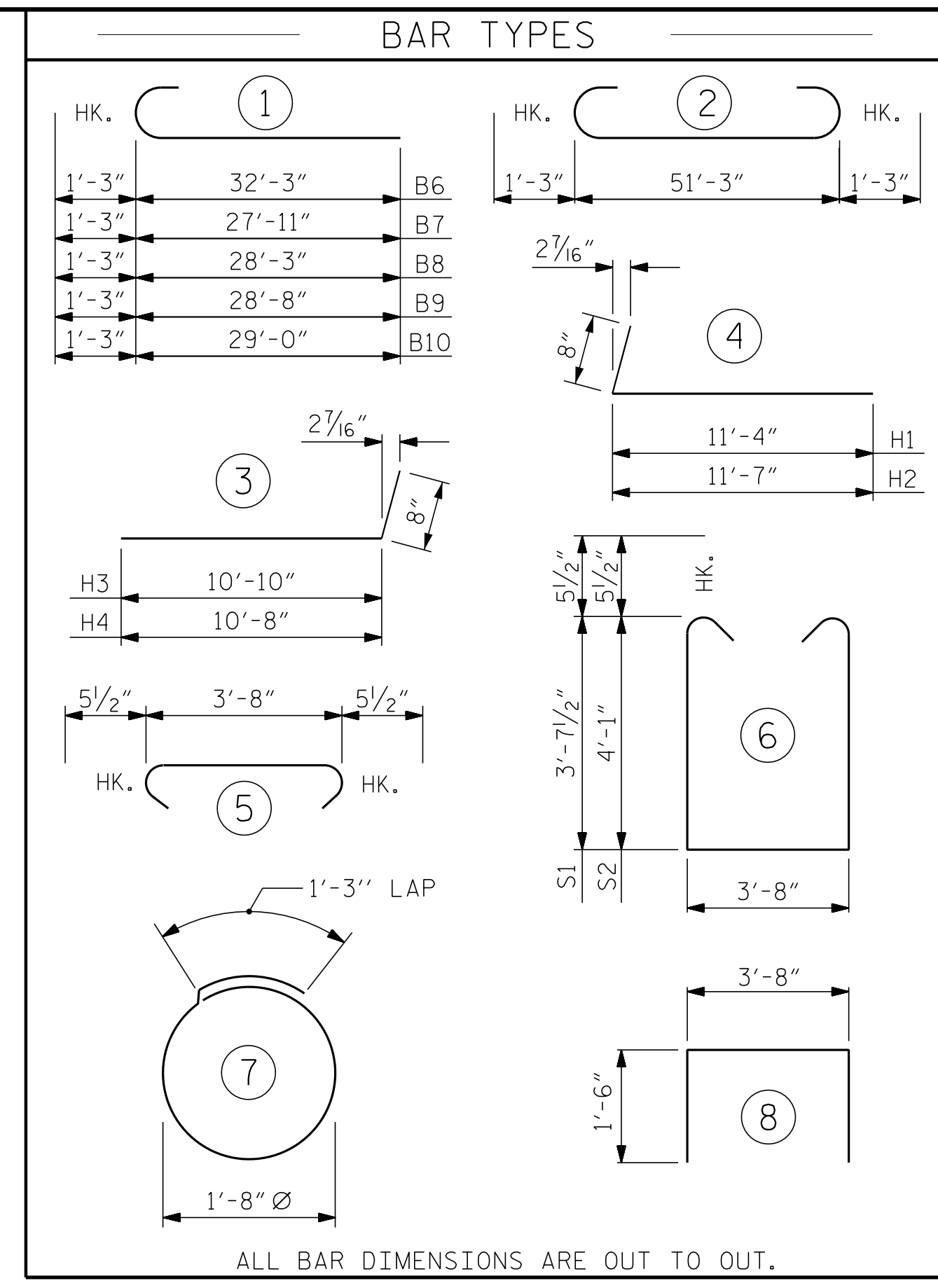
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

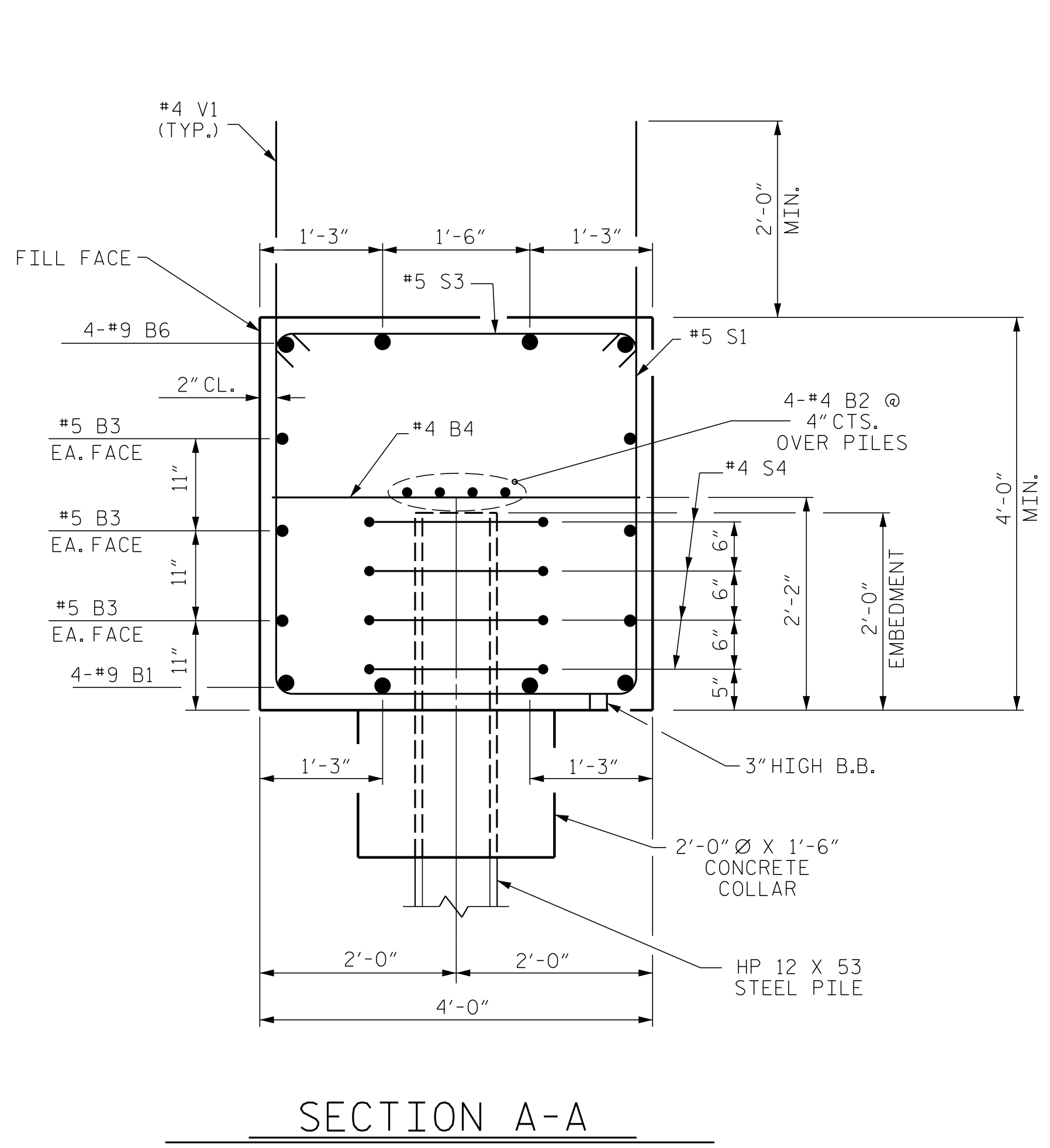
TEMPORARY DRAINAGE AT END BENT



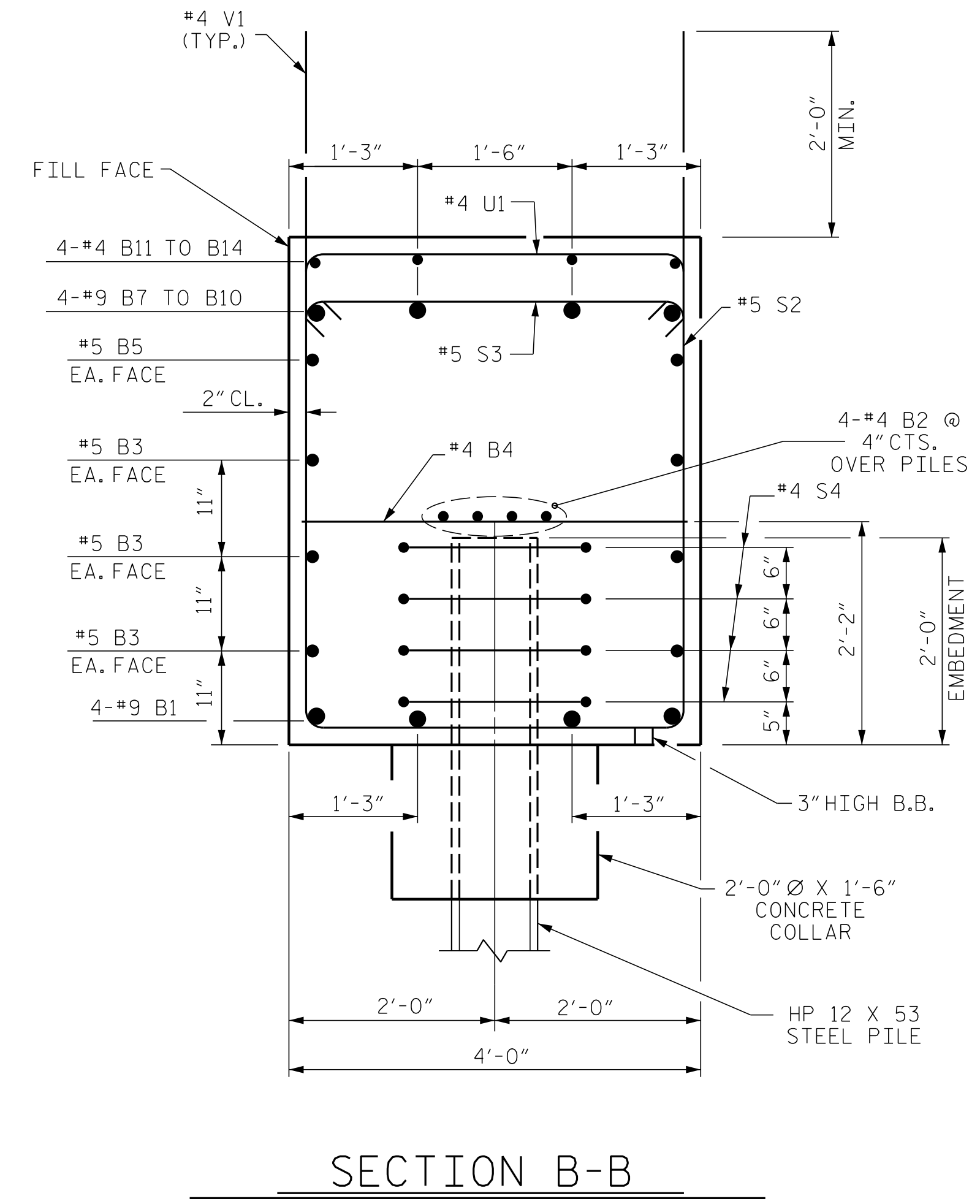
PILE SPLICE DETAILS



BILL OF MATERIAL					
END BENT No. 1					
BAR NO.	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	4	#9	2	53'-9"	731
B2	8	#4	STR	27'-0"	144
B3	6	#5	STR	51'-5"	322
B4	15	#4	STR	3'-8"	37
B5	2	#5	STR	22'-4"	47
B6	4	#9	1	33'-6"	456
B7	1	#9	1	29'-2"	99
B8	1	#9	1	29'-6"	100
B9	1	#9	1	29'-11"	102
B10	1	#9	1	30'-3"	103
B11	1	#4	STR	9'-7"	6
B12	1	#4	STR	9'-11"	7
B13	1	#4	STR	10'-5"	7
B14	1	#4	STR	10'-8"	7
H1	23	#5	4	12'-0"	288
H2	23	#5	4	12'-3"	294
H3	21	#5	3	11'-6"	252
H4	21	#5	3	11'-4"	248
H5	52	#4	STR	3'-10"	133
S1	22	#5	6	11'-10"	272
S2	28	#5	6	12'-9"	372
S3	50	#5	5	4'-7"	239
S4	36	#4	7	6'-6"	156
U1	7	#4	8	6'-8"	31
V1	50	#4	STR	5'-9"	192
V2	32	#5	STR	11'-2"	373
V3	32	#5	STR	10'-3"	342



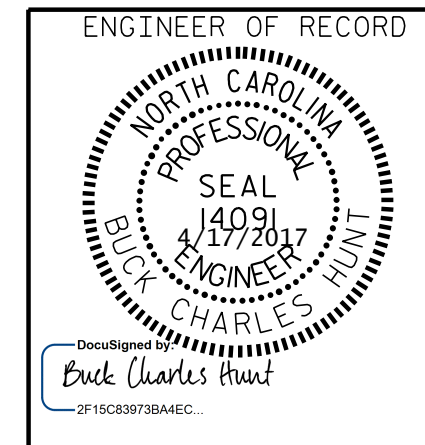
SECTION A-A



SECTION B-B

REINFORCING STEEL	5,360 LBS.
CLASS A CONCRETE BREAKDOWN	
POUR #1 CAP, CONC. COLLARS & LOWER PART OF WINGS	38.7 C.Y.
POUR #2 UPPER PART OF WINGS	7.0 C.Y.
TOTAL CLASS A CONCRETE	45.7 C.Y.
HP 12 X 53 STEEL PILES	
NO: 9	LIN. FT. = 900.0
PILE DRIVING EQUIPMENT SETUP FOR HP 12 X 53 STEEL PILES	9 EA.

PROJECT NO. R-5719
 WAYNE COUNTY
 STATION: 39+11.12 -L-
 SHEET 3 OF 3



ENGINEER OF RECORD
 NORTH CAROLINA PROFESSIONAL SEAL
 14091
 4/17/2017
 CHARLES HUNT
 WETHERILL ENGINEERING
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 Raleigh, N.C. 27606
 Bus: 919 851 8077
 Fax: 919 851 8107
 LICENSE NO. F-0377

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

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: D. HODGE DATE: 2/16
 CHECKED BY: J. DILWORTH DATE: 2/16