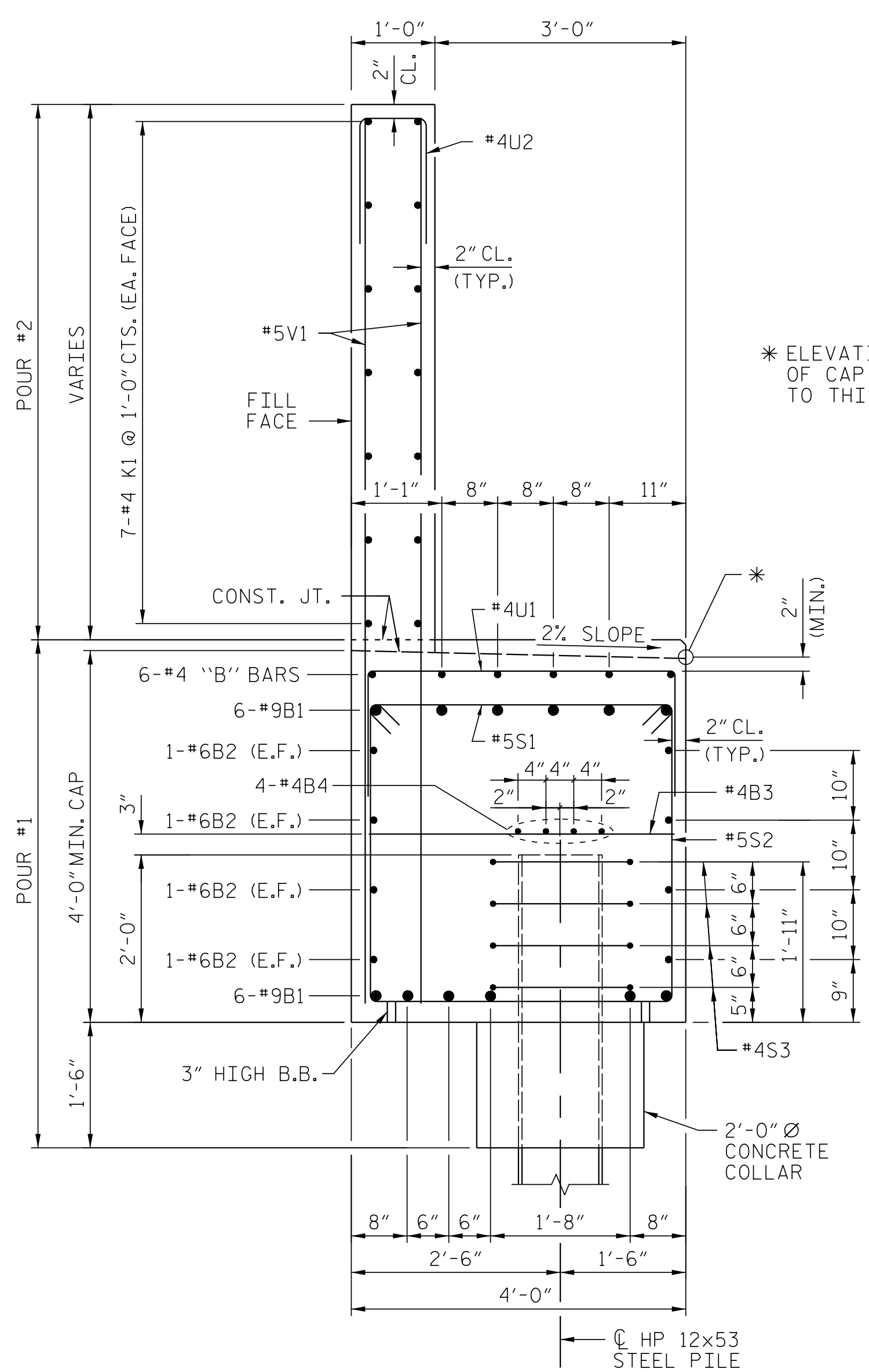
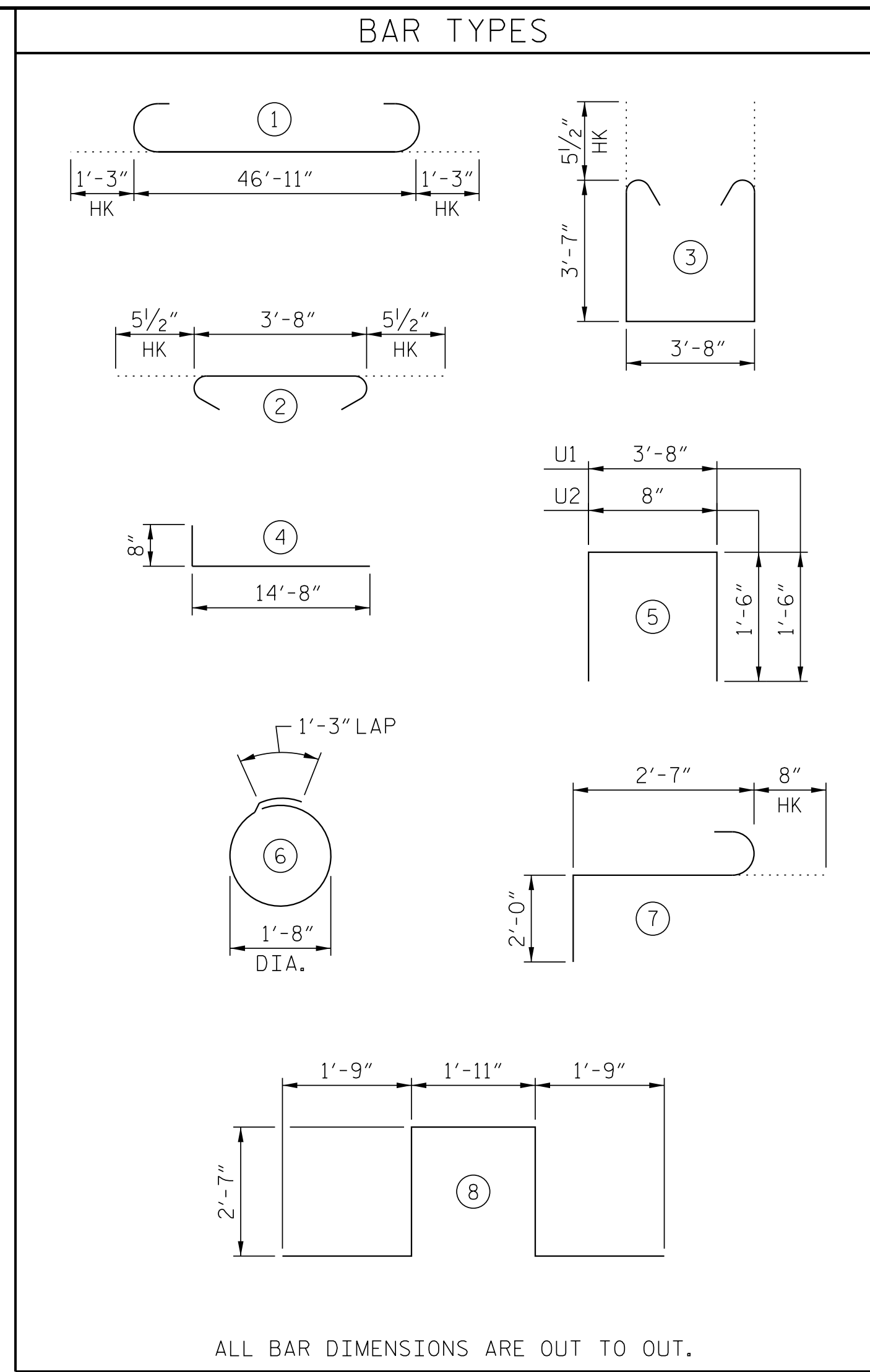


SECTION "A-A"



SECTION "B-B"

* ELEVATIONS FOR TOP OF CAP ARE SHOWN TO THIS POINT

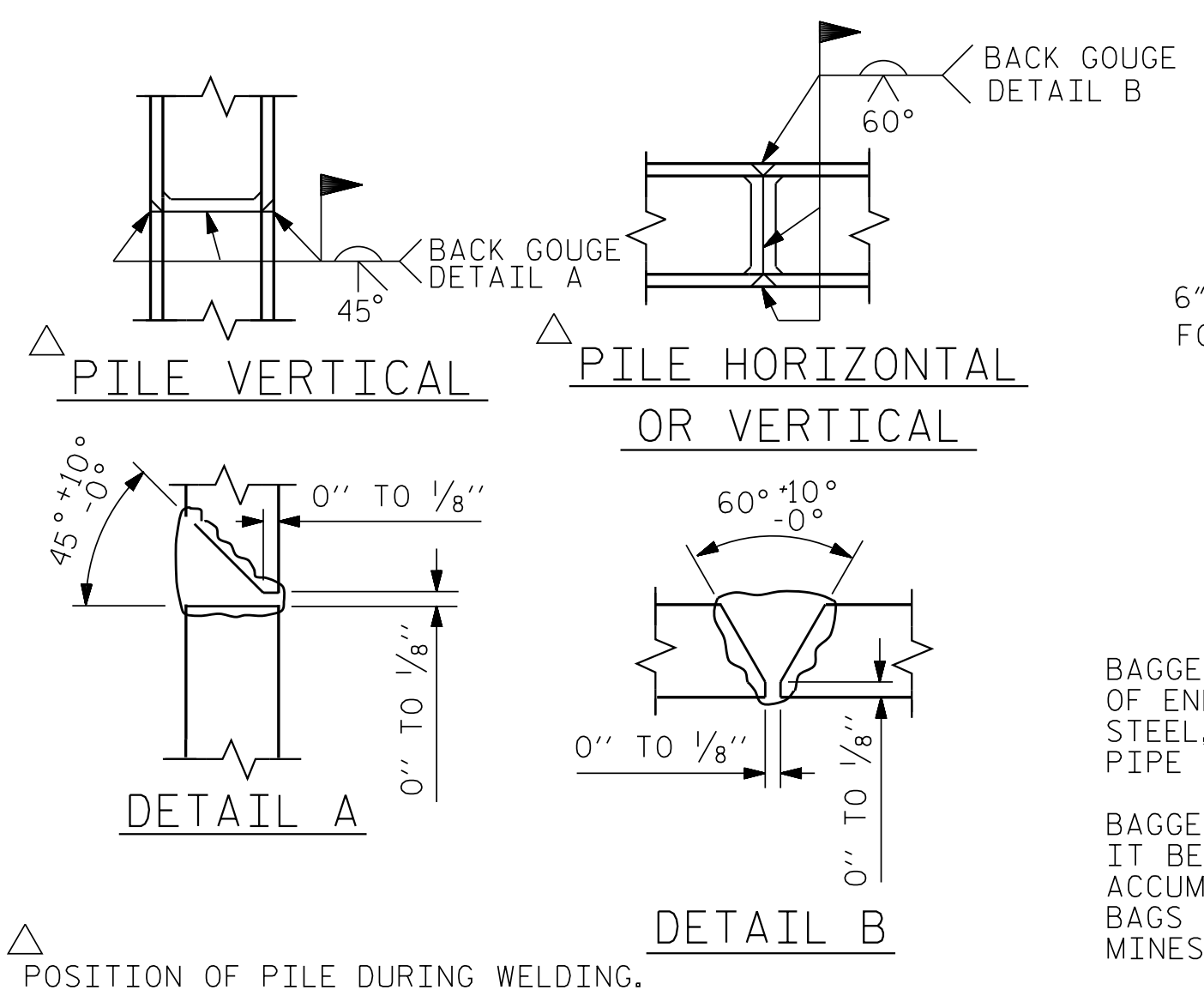


ALL BAR DIMENSIONS ARE OUT TO OUT.

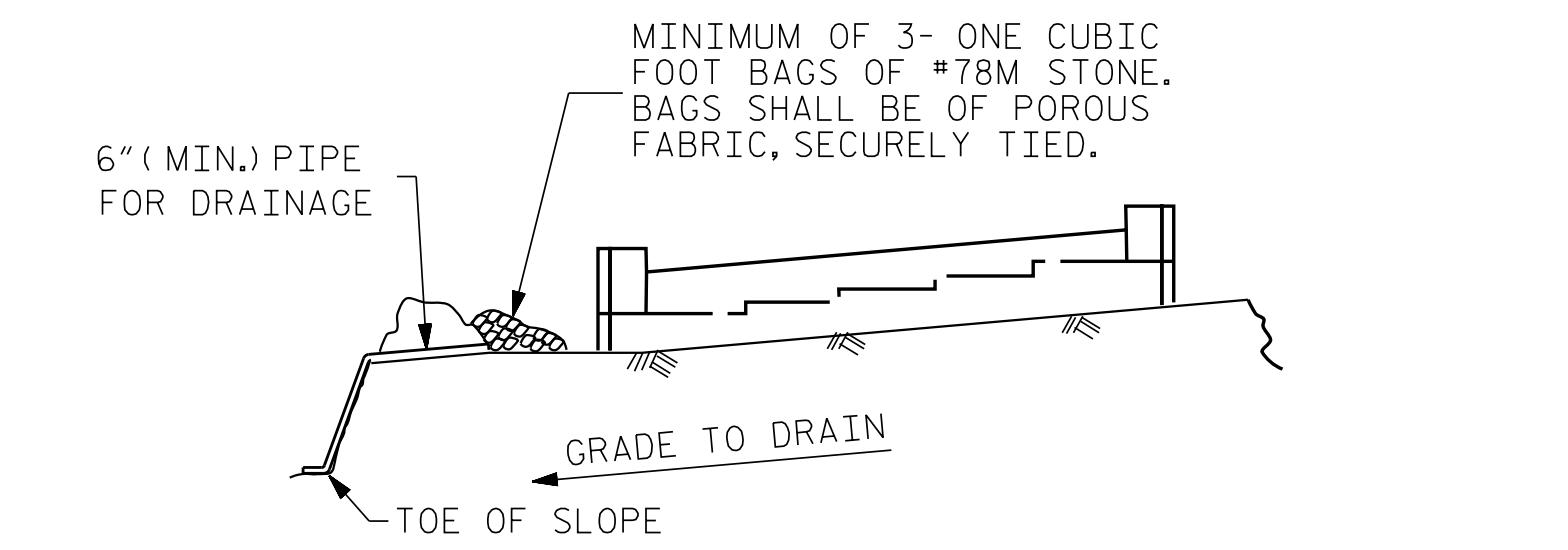
BILL OF MATERIAL					
END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	12	#9	①	49'-5"	2016
B2	8	#6	STR	47'-0"	565
B3	12	#4	STR	3'-8"	29
B4	8	#4	STR	24'-9"	132
B5	6	#4	STR	12'-0"	48
B6	24	#4	STR	7'-0"	112
H1	56	#4	④	15'-4"	574
K1	28	#4	STR	24'-9"	463
K2	8	#4	STR	2'-7"	14
S1	65	#5	②	4'-7"	311
S2	65	#5	③	11'-9"	797
S3	40	#4	⑥	6'-6"	174
S4	6	#4	⑦	5'-3"	21
S5	6	#4	⑧	10'-7"	42
U1	28	#4	⑤	6'-8"	125
U2	41	#4	⑤	3'-8"	100
V1	82	#5	STR	10'-11"	934
V2	72	#5	STR	7'-4"	551
V3	72	#5	STR	7'-2"	538
TOTAL REINFORCING STEEL				LBS.	7546
END BENT 1 TOTAL QUANTITIES					
CLASS A CONCRETE					
POUR 1 (COLLARS, CAP & LOWER WING)				C.Y.	38.0
POUR 2 (BACKWALL & UPPER WING)				C.Y.	20.4
TOTAL				C.Y.	58.4
HP 12x53 STEEL PILES				NO.	12
				LIN. FT.	1260
PIPE DRIVING EQUIPMENT SETUP FOR HP 12X53 STEEL PILES				NO.	12

DATE: 4/12/2017 TIME: 5:55:59 PM

USER: pwr1593; DN: P:\6329444_5\acum Road\400_Technical\408_Structure\Coord\40_LBO_S36_R5516_SML_EB03.dgn



PILE SPLICE DETAILS

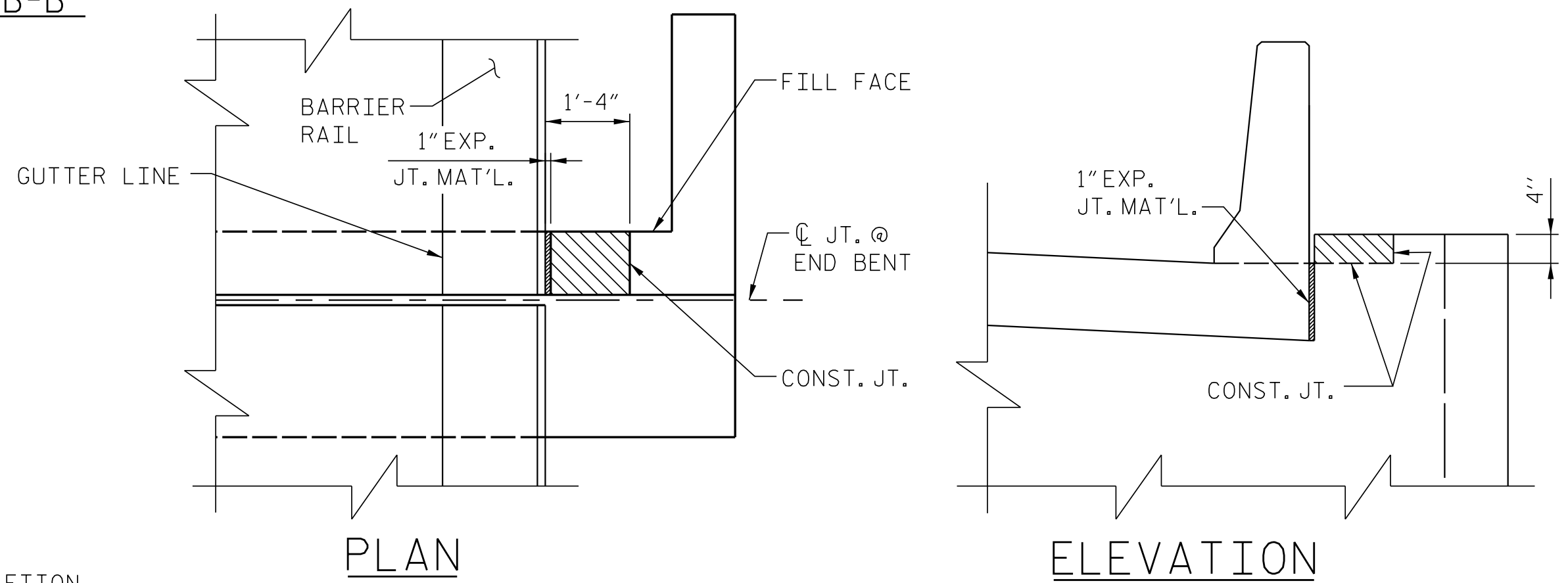


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

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



BLOCKOUT IN WINGWALL DETAILS

PROJECT NO. R-5516
CRAVEN COUNTY
 STATION: 32+25.84 -YEB01-
75+13.29 -L-
 SHEET 3 OF 3

AECOM
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 RALEIGH, NC 27607
 (919) 854-6200 www.aecom.com
 AECOM License No. F-0342

4/12/2017

NORTH CAROLINA PROFESSIONAL SEAL 030474
 ENGINEER JOHN C. MORRISON

DocuSigned by: John C. Morrison
 A2FDE142C82F48B

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE					
END BENT 1 SECTIONS & DETAILS					
REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					TOTAL SHEETS
					51

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY: MKT DATE: 04/17
 CHECKED BY: JCM DATE: 04/17
 DESIGN E.O.R.: JCM DATE: 04/17