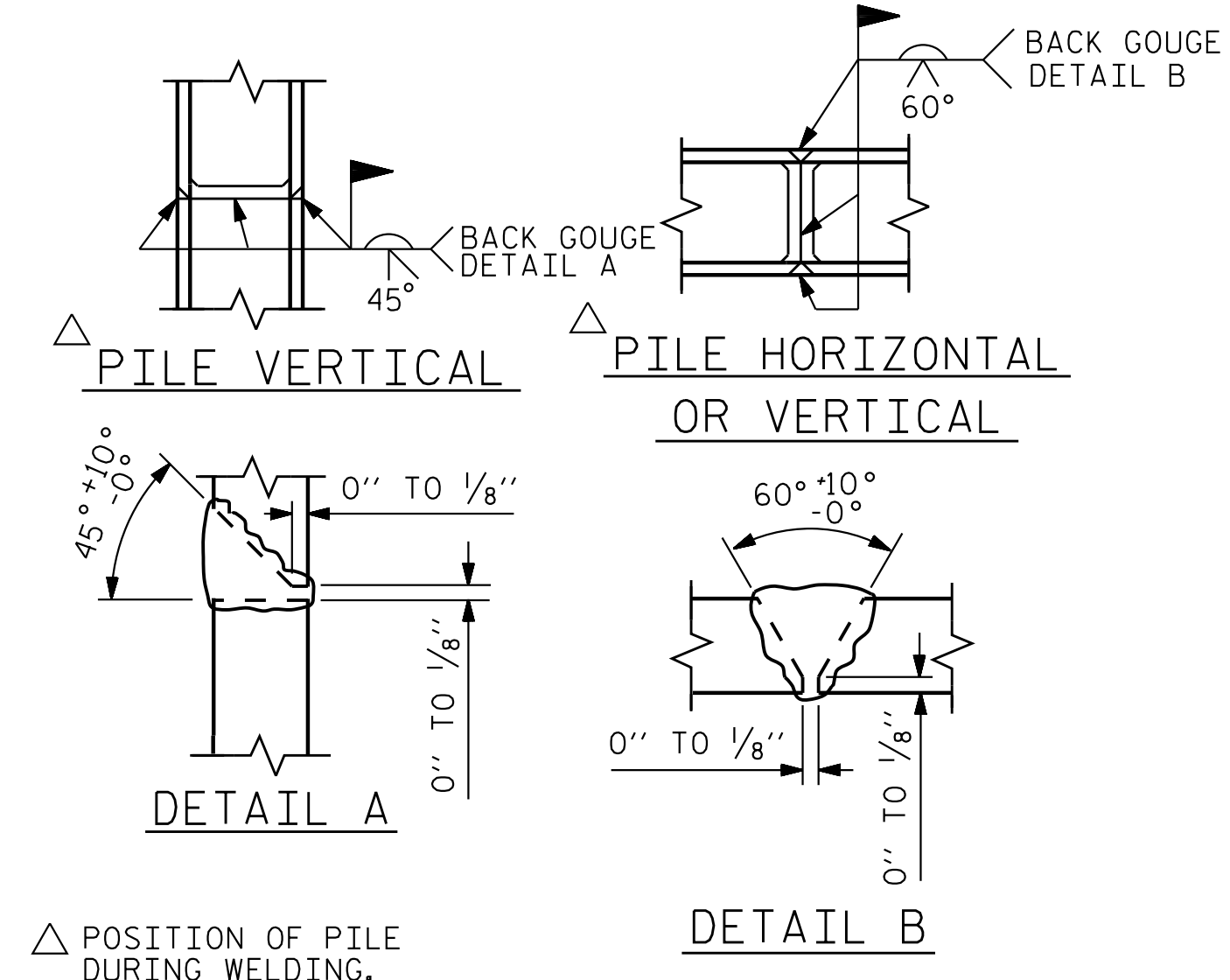


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

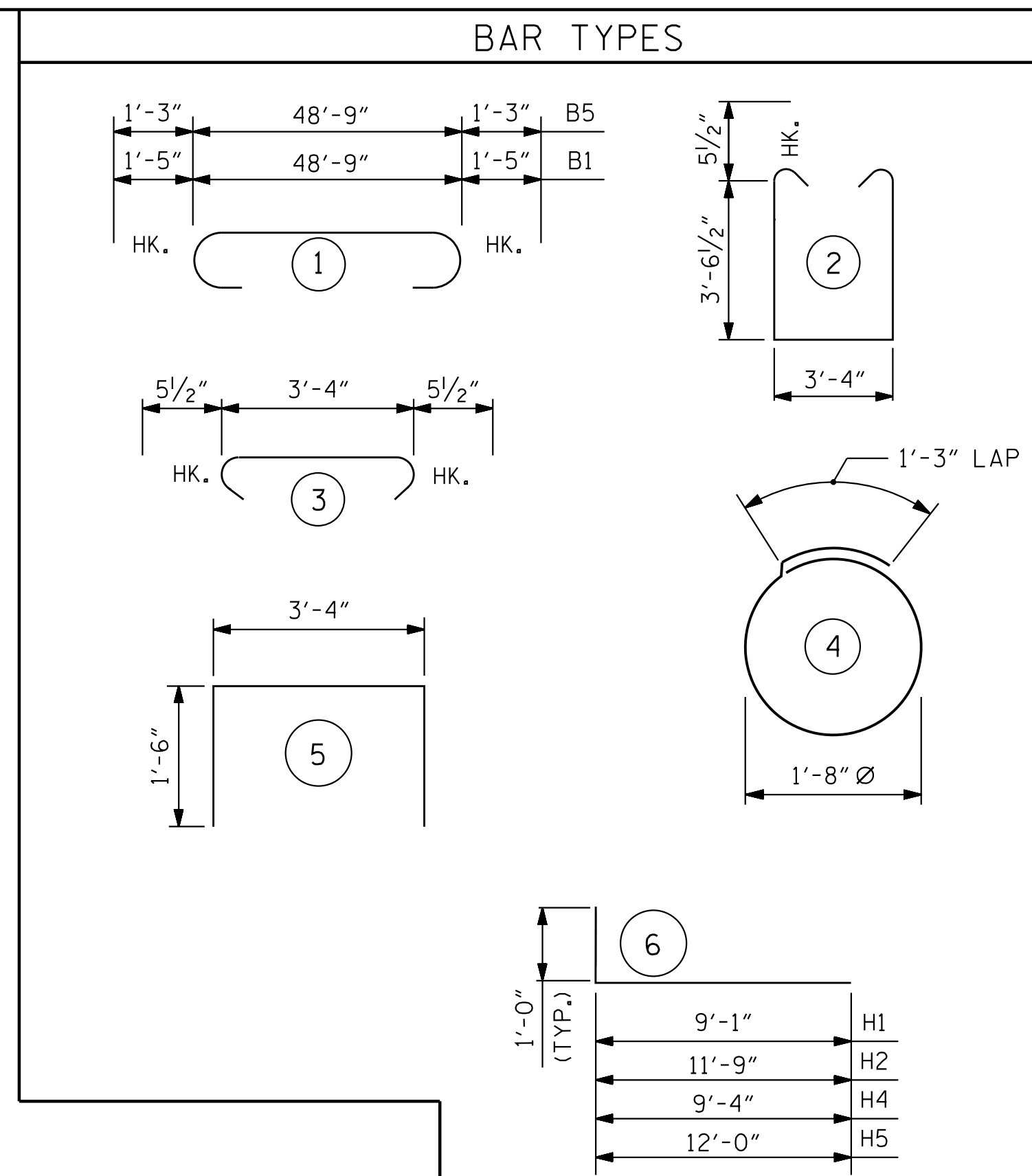
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

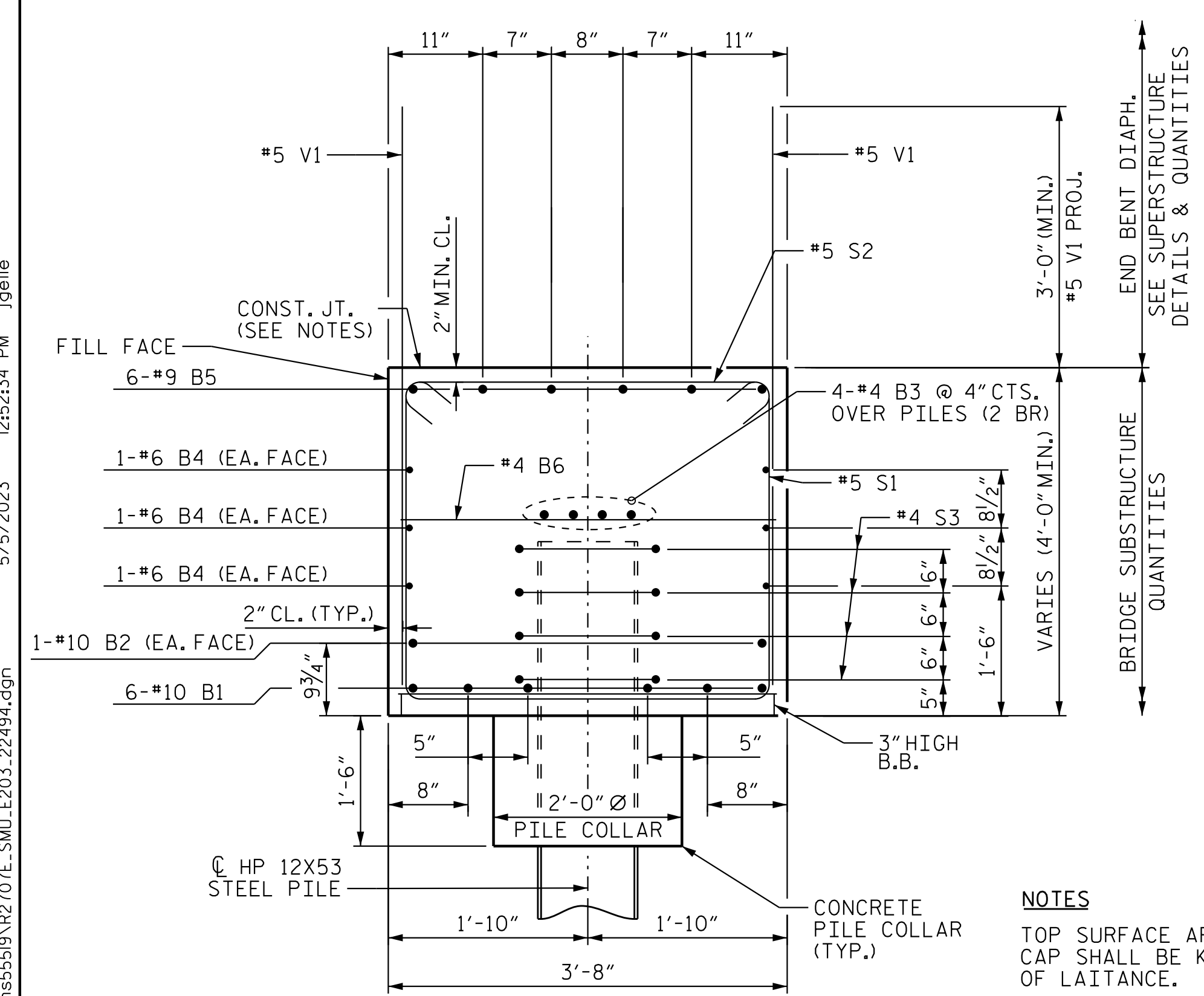


### PILE SPLICE DETAILS



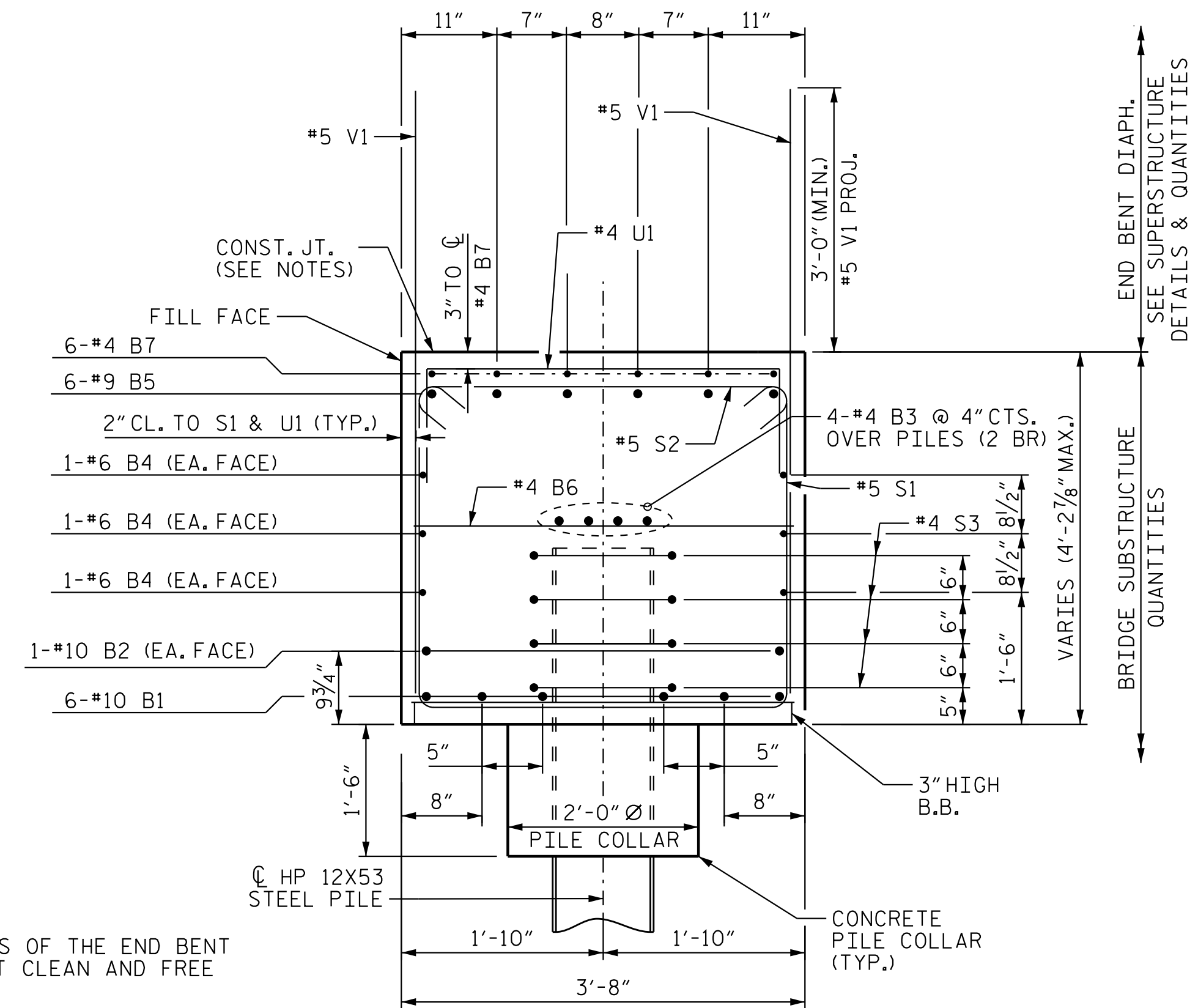
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
END BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#10	1	51'-7"	1332
B2	2	#10	STR	48'-3"	415
B3	8	#4	STR	25'-4"	135
B4	6	#6	STR	48'-9"	439
B5	6	#9	1	51'-3"	1046
B6	12	#4	STR	3'-4"	27
B7	6	#4	STR	14'-6"	58
H1	22	#5	6	10'-1"	231
H2	6	#5	6	12'-9"	80
H3	12	#5	STR.	6'-10"	86
H4	22	#5	6	10'-4"	237
H5	6	#5	6	13'-0"	81
K1	8	#4	STR	2'-3"	12
K2	16	#4	STR	5'-1"	54
S1	50	#5	2	11'-4"	591
S2	42	#5	3	4'-3"	186
S3	32	#4	4	6'-6"	139
U1	15	#4	5	6'-4"	63
V1	74	#5	STR	7'-0"	540
V2	52	#5	STR	9'-6"	515
V3	4	#5	STR	9'-2"	38
REINFORCING STEEL					6305
CLASS A CONCRETE BREAKDOWN:					
POUR #1: CAP, COLLARS, ETC.					C.Y. 31.1
POUR #2: UPPER WINGS					C.Y. 5.1
CLASS A CONCRETE TOTAL					C.Y. 36.2



### SECTION A-A

SEE "END BENT 2", SHEET 1 OF 3.



### SECTION B-B

SEE "END BENT 2", SHEET 1 OF 3.

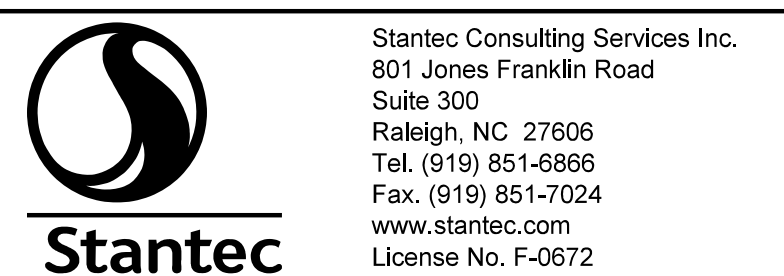
NOTES

TOP SURFACE AREAS OF THE END BENT CAP SHALL BE KEPT CLEAN AND FREE OF LAITANCE.

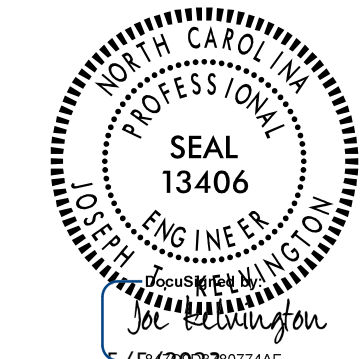
ROUGH FLOAT AND ROUGHEN THE TOP OF THE END BENT CAP TO PROVIDE MIN. SURFACE AMPLITUDE OF 1/4", EXCEPT UNDER BEARING AREAS.

(2 BR) DENOTES 2 BAR RUN.

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DRAWN BY: J. B. GEILLE DATE: 01/18/23  
CHECKED BY: A. L. BOYKIN DATE: 02/17/23  
DESIGN ENGINEER OF RECORD: J. T. KELVINGTON DATE: 05/05/23



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NO. R-2707E  
CLEVELAND COUNTY  
STATION: 13+08.49 -Y42-

SHEET 3 OF 3

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH SUBSTRUCTURE					
END BENT 2 DETAILS					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
SHEET NO. S7-30					TOTAL SHEETS 34