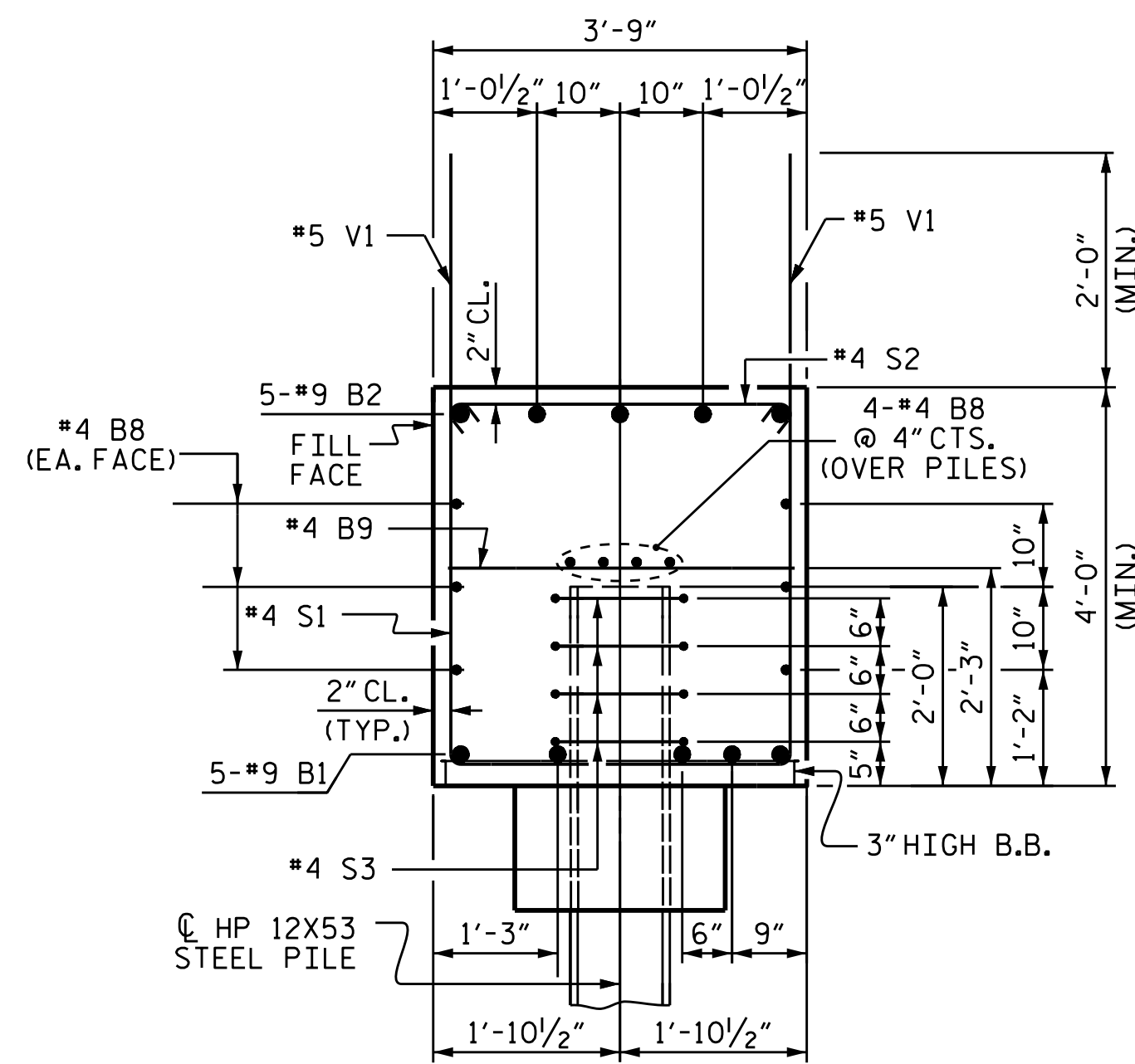


BAGGED STONE AND PIPE SHALL BE PLACED IMMEDIATELY AFTER COMPLETION OF END BENT EXCAVATION. PIPE MAY BE EITHER CONCRETE, CORRUGATED STEEL, CORRUGATED ALUMINUM ALLOY, OR CORRUGATED PLASTIC. PERFORATED PIPE WILL NOT BE ALLOWED.

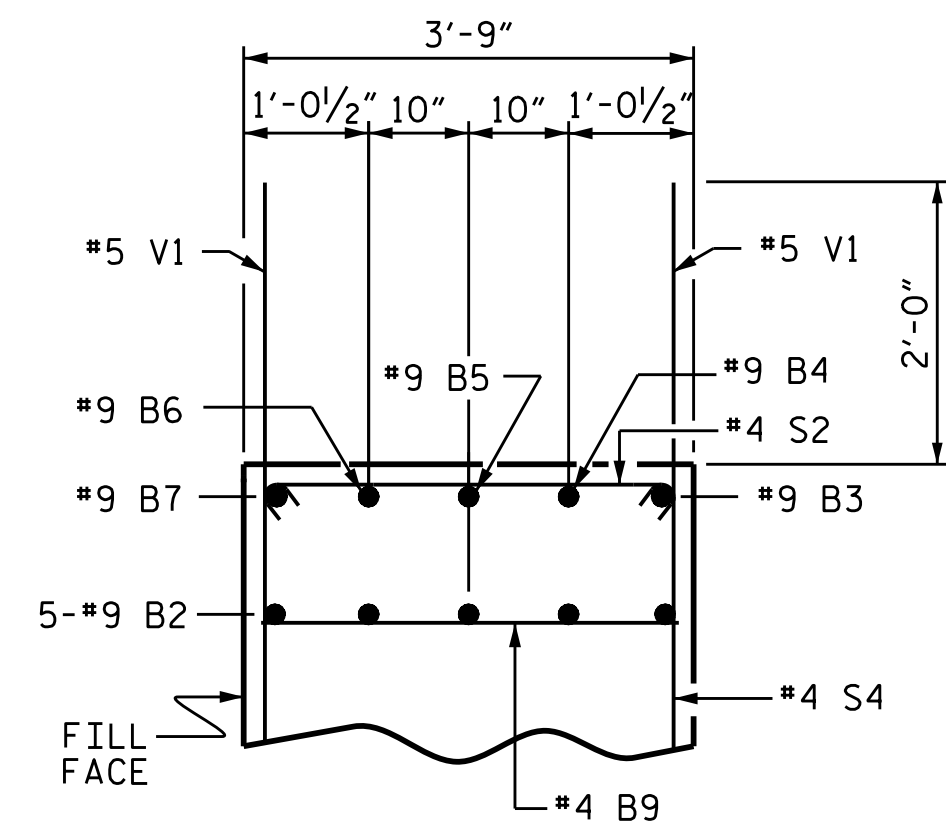
BAGGED STONE SHALL REMAIN IN PLACE UNTIL THE ENGINEER DIRECTS THAT IT BE REMOVED. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF SILT ACCUMULATIONS AT BAGGED STONE WHEN SO DIRECTED BY THE ENGINEER. BAGS SHALL BE REMOVED AND REPLACED WHENEVER THE ENGINEER DETERMINES THAT THEY HAVE DETERIORATED AND LOST THEIR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

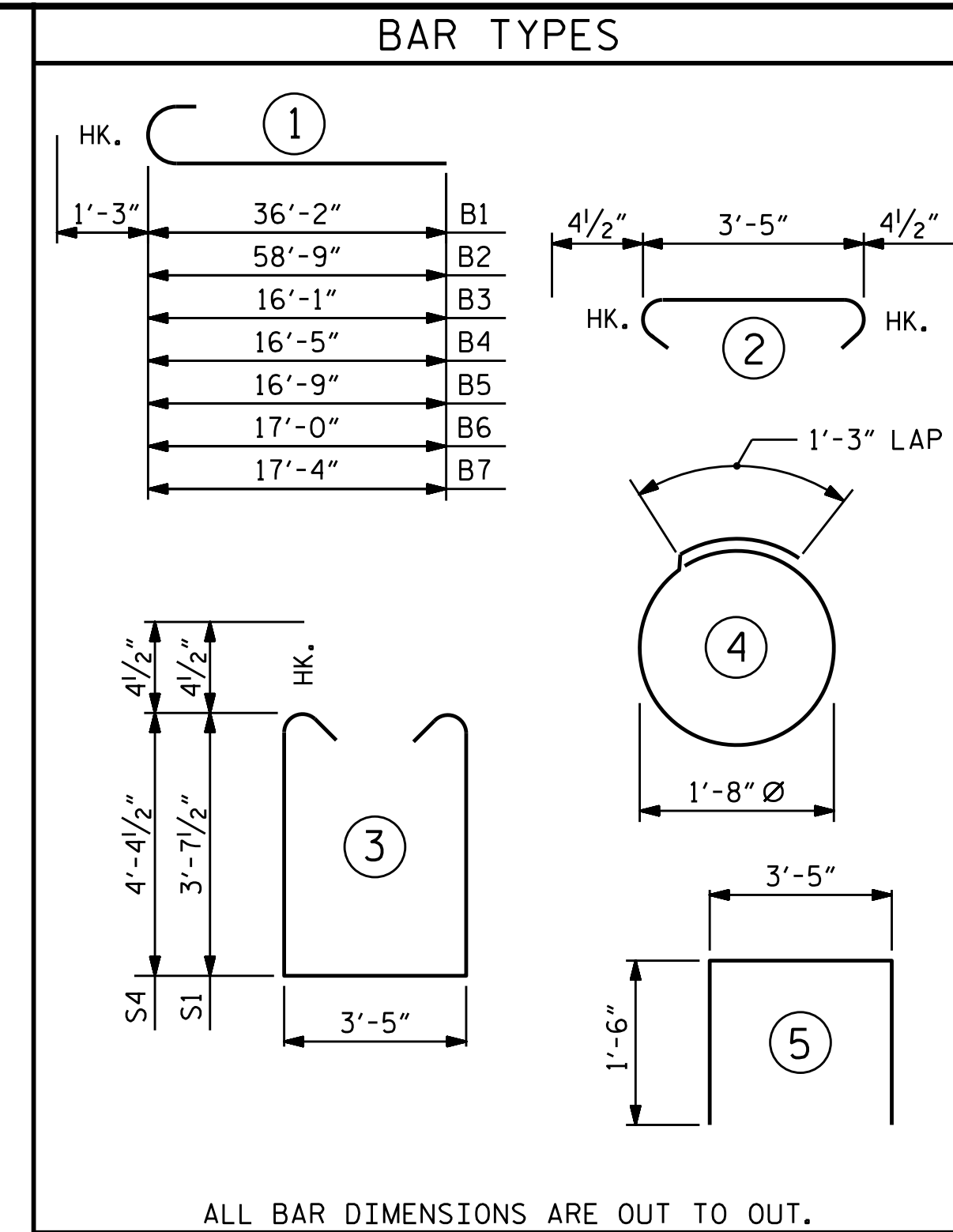
TEMPORARY DRAINAGE AT END BENT



SECTION A-A

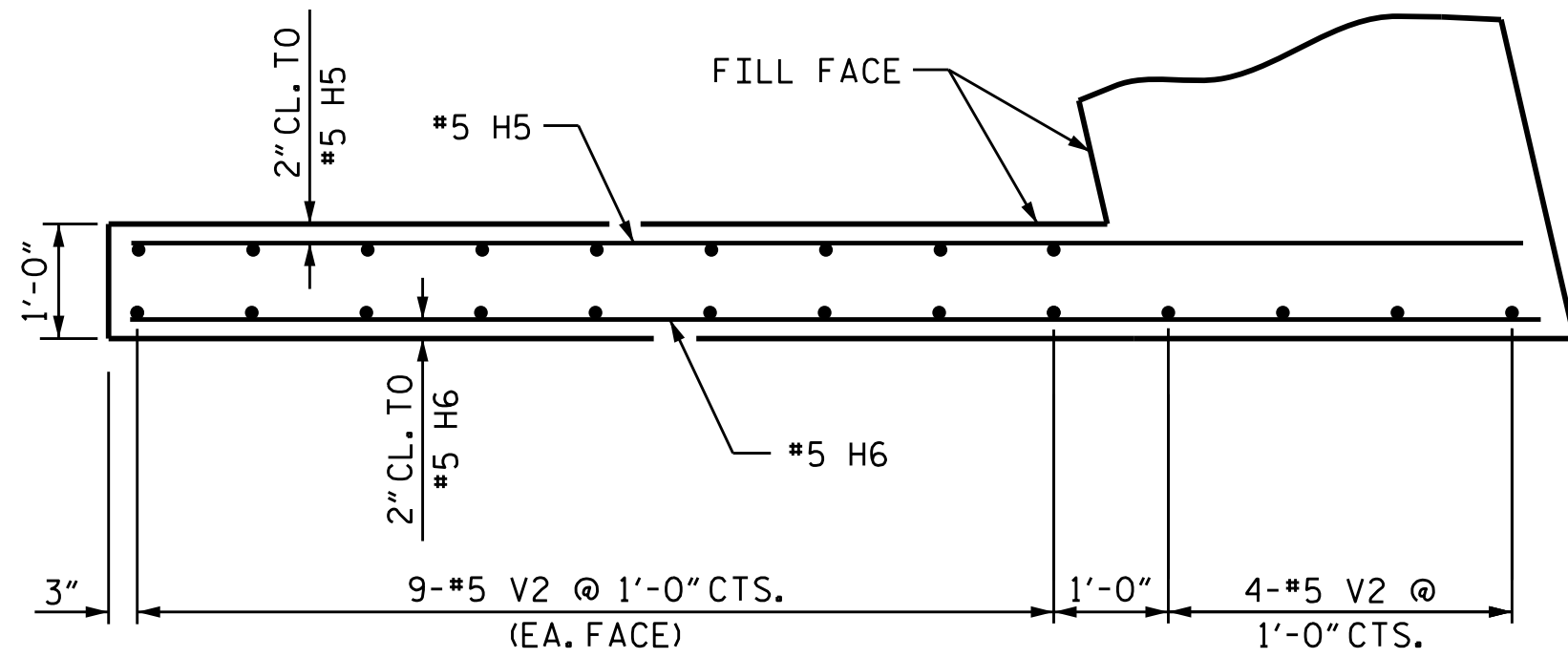


PARTIAL SECTION B-B

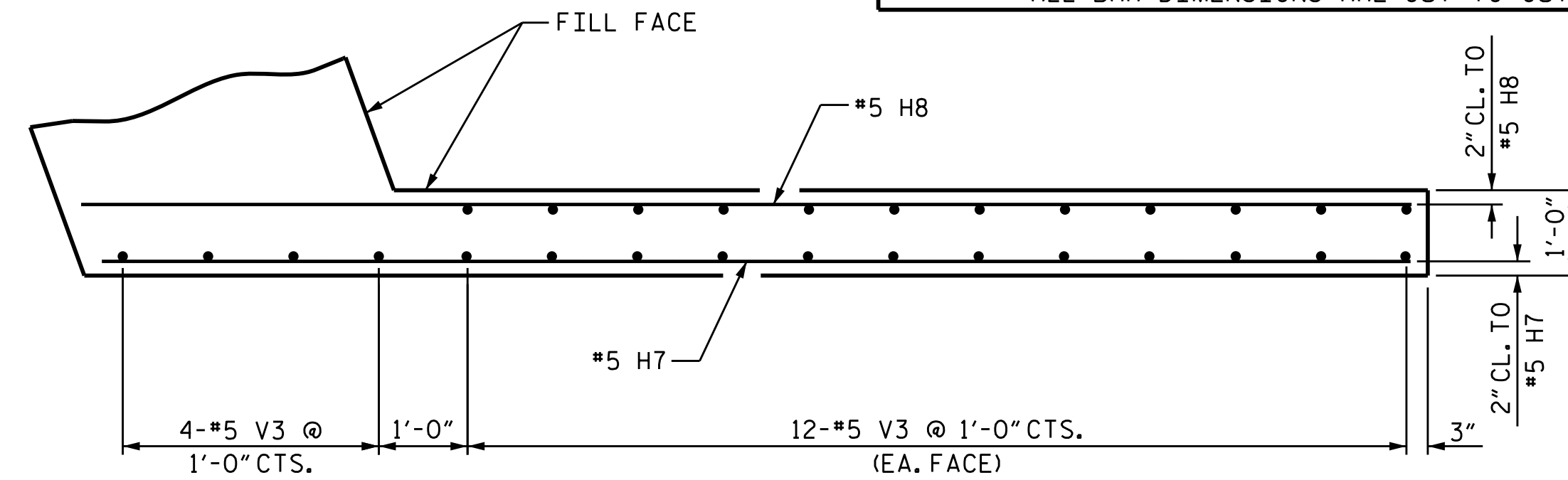


ALL BAR DIMENSIONS ARE OUT TO OUT.

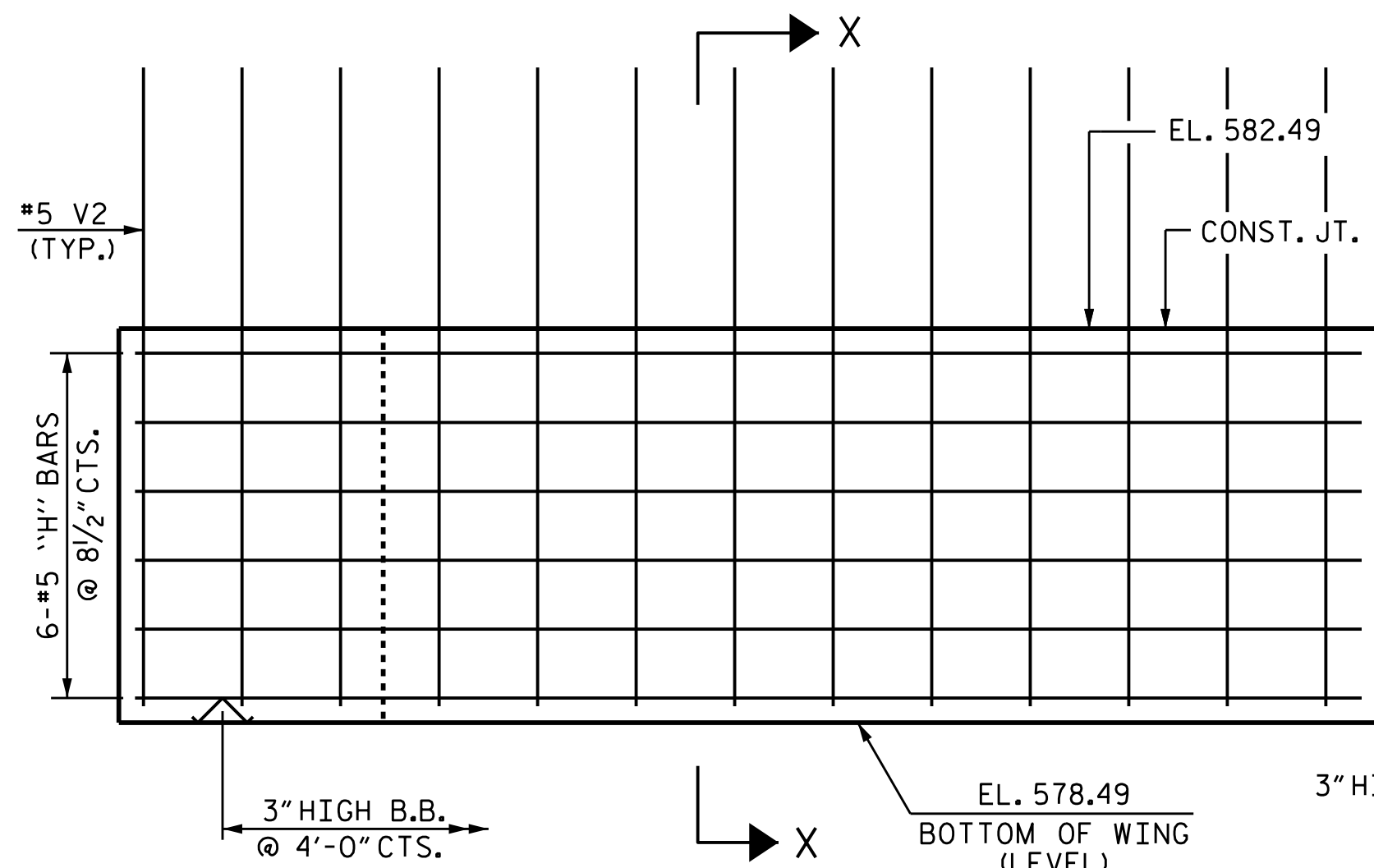
BILL OF MATERIAL					
END BENT 1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#9	1	37'-5"	1272
B2	5	#9	1	60'-0"	1020
B3	1	#9	1	17'-4"	59
B4	1	#9	1	17'-8"	60
B5	1	#9	1	18'-0"	61
B6	1	#9	1	18'-3"	62
B7	1	#9	1	18'-7"	63
B8	30	#4	STR	23'-8"	474
B9	19	#4	STR	3'-5"	43
B10	5	#4	STR	17'-2"	57
B11	5	#4	STR	8'-7"	29
H5	6	#5	STR	12'-7"	79
H6	6	#5	STR	12'-10"	80
H7	10	#5	STR	15'-2"	158
H8	10	#5	STR	15'-5"	161
S1	62	#4	3	11'-5"	473
S2	82	#4	2	4'-2"	228
S3	44	#4	4	6'-6"	191
S4	20	#4	3	12'-11"	173
U1	18	#4	5	6'-5"	77
V1	108	#5	STR	6'-11"	779
V2	22	#5	STR	10'-0"	229
V3	28	#5	STR	11'-1"	324
REINFORCING STEEL				LBS.	6,152
CLASS A CONCRETE					
CAP, LOWER WINGS & COLLARS				C.Y.	46.2
HP 12X53 STEEL PILES					
NO. 11				LIN. FT.	525



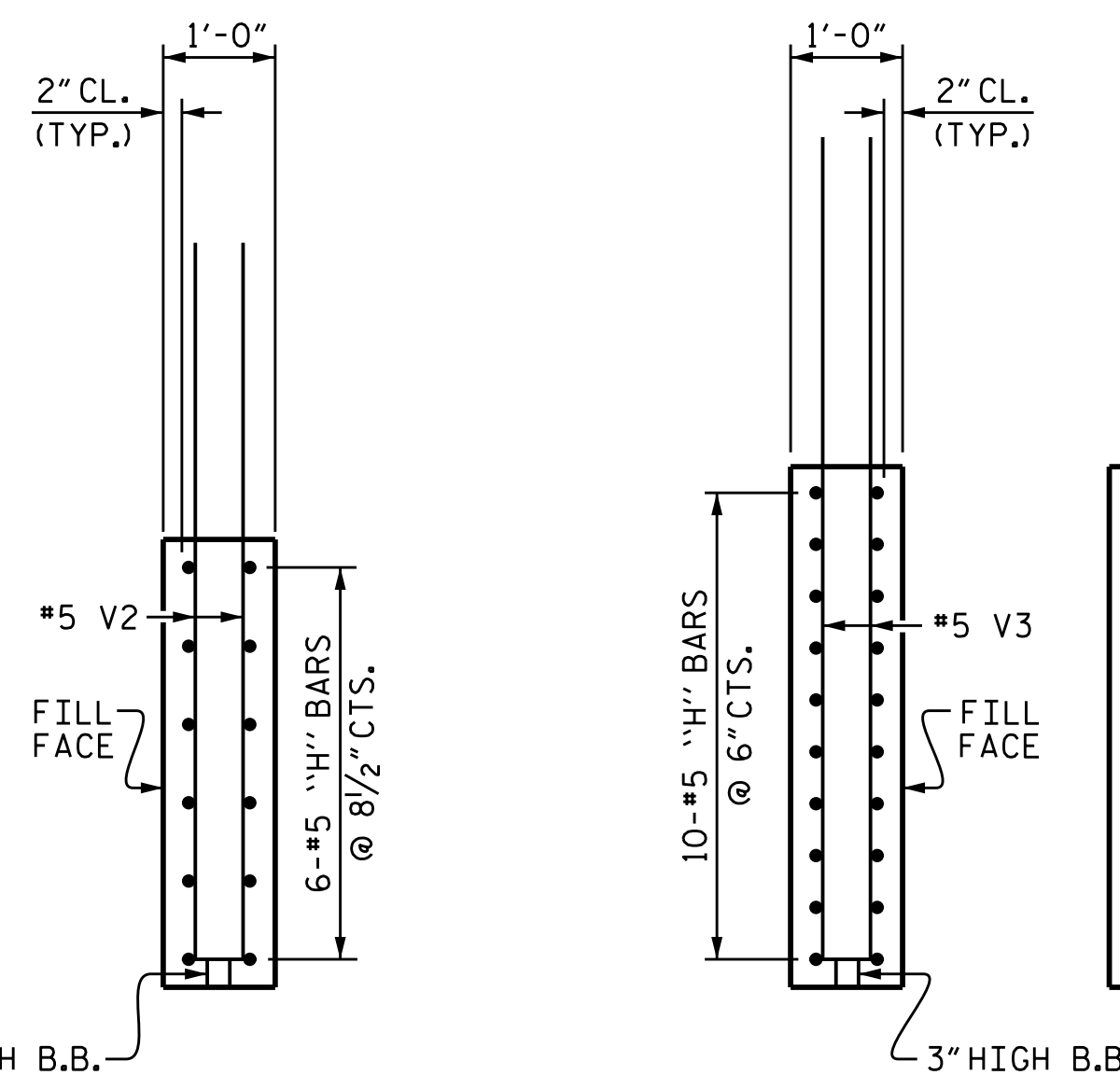
PLAN OF RIGHT WING



PLAN OF LEFT WING

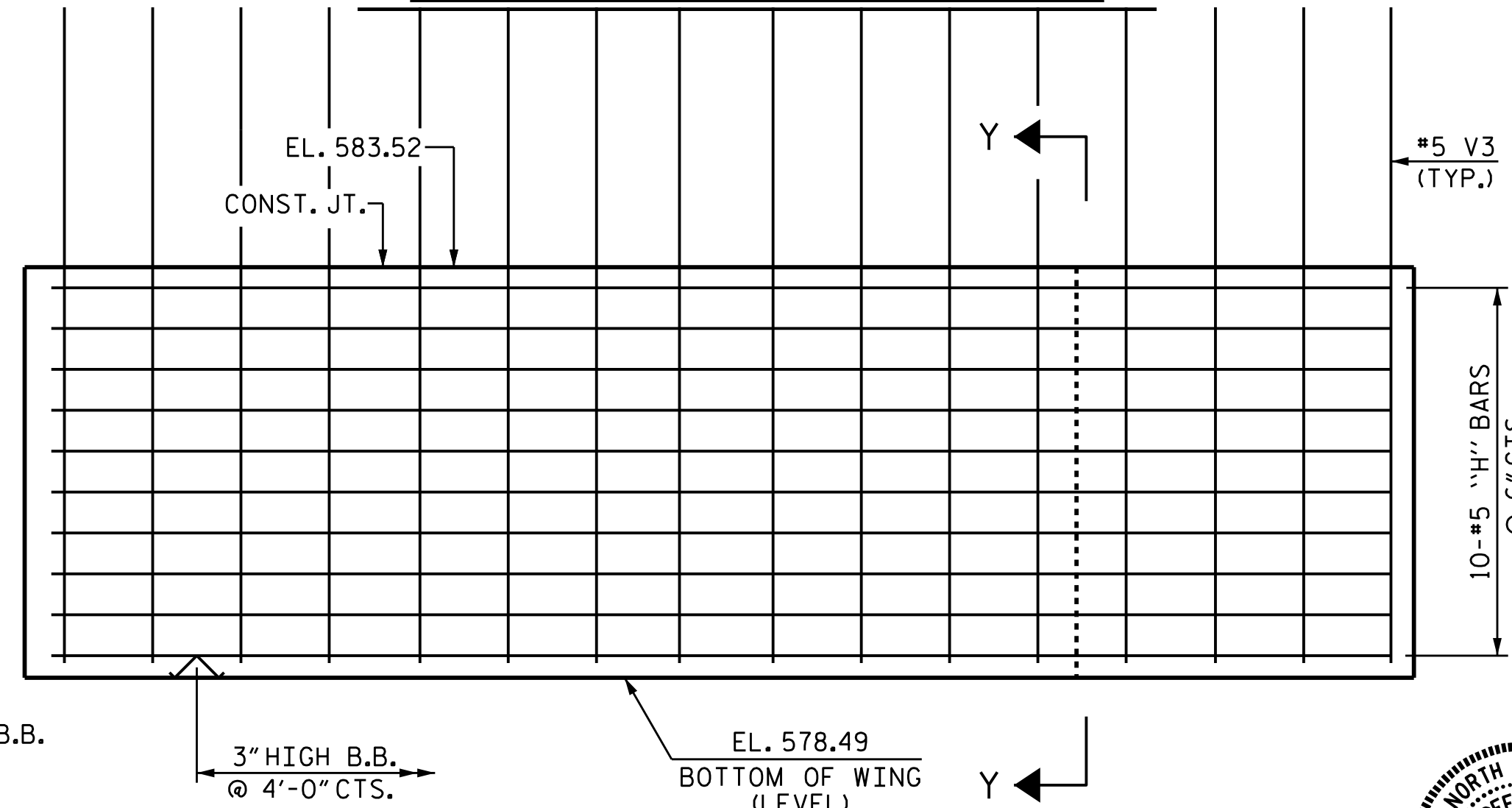


ELEVATION OF RIGHT WING



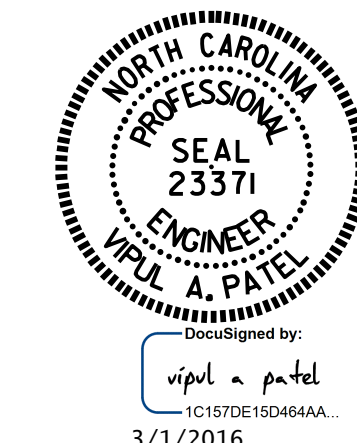
SECTION X-X

SECTION Y-Y



ELEVATION OF LEFT WING

PROJECT NO. B-5123
CABARRUS COUNTY
 STATION: 21+44.10 -L-
 SHEET 2 OF 2



STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 INTEGRAL
 END BENT 1
 (RIGHT LANE)

DRAWN BY: N.D. AIUTO DATE: 11/17/15
 CHECKED BY: K.D. LAYNE DATE: 11/18/15
 DESIGN ENGINEER OF RECORD: T.H. CARROLL DATE: 12/7/15

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-65
1			3			TOTAL SHEETS
2			4			74