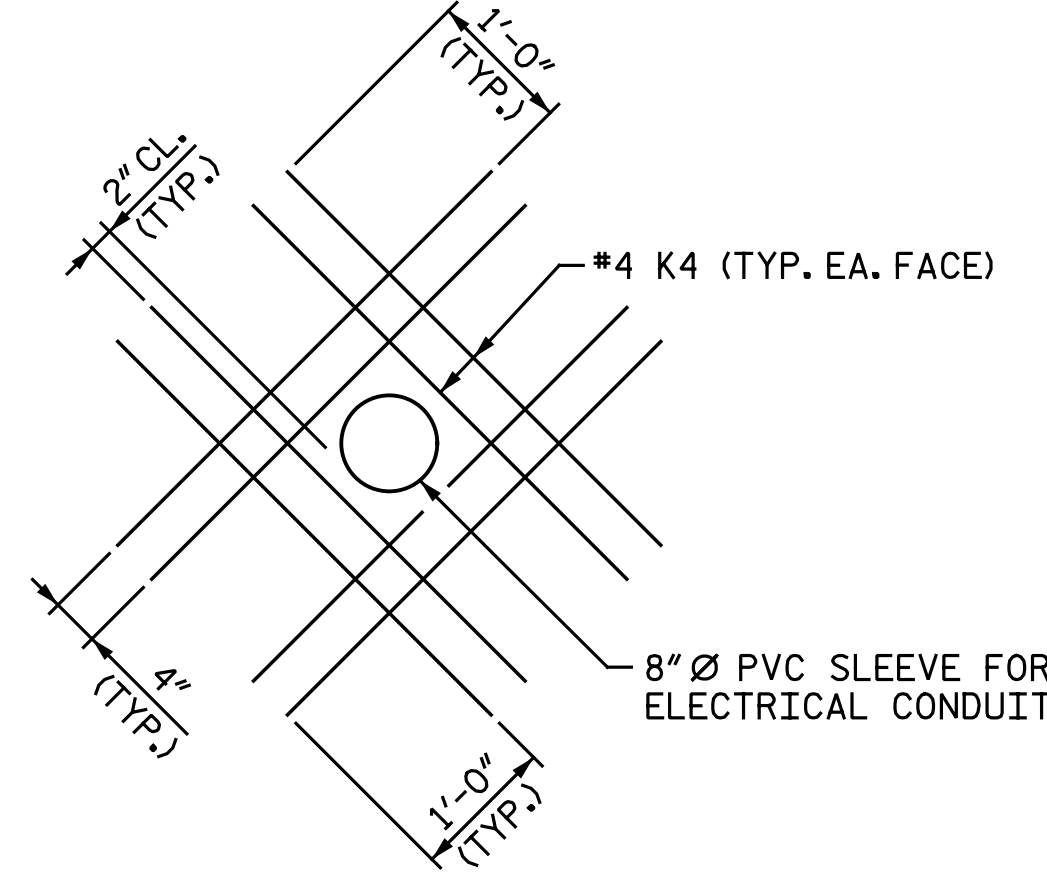


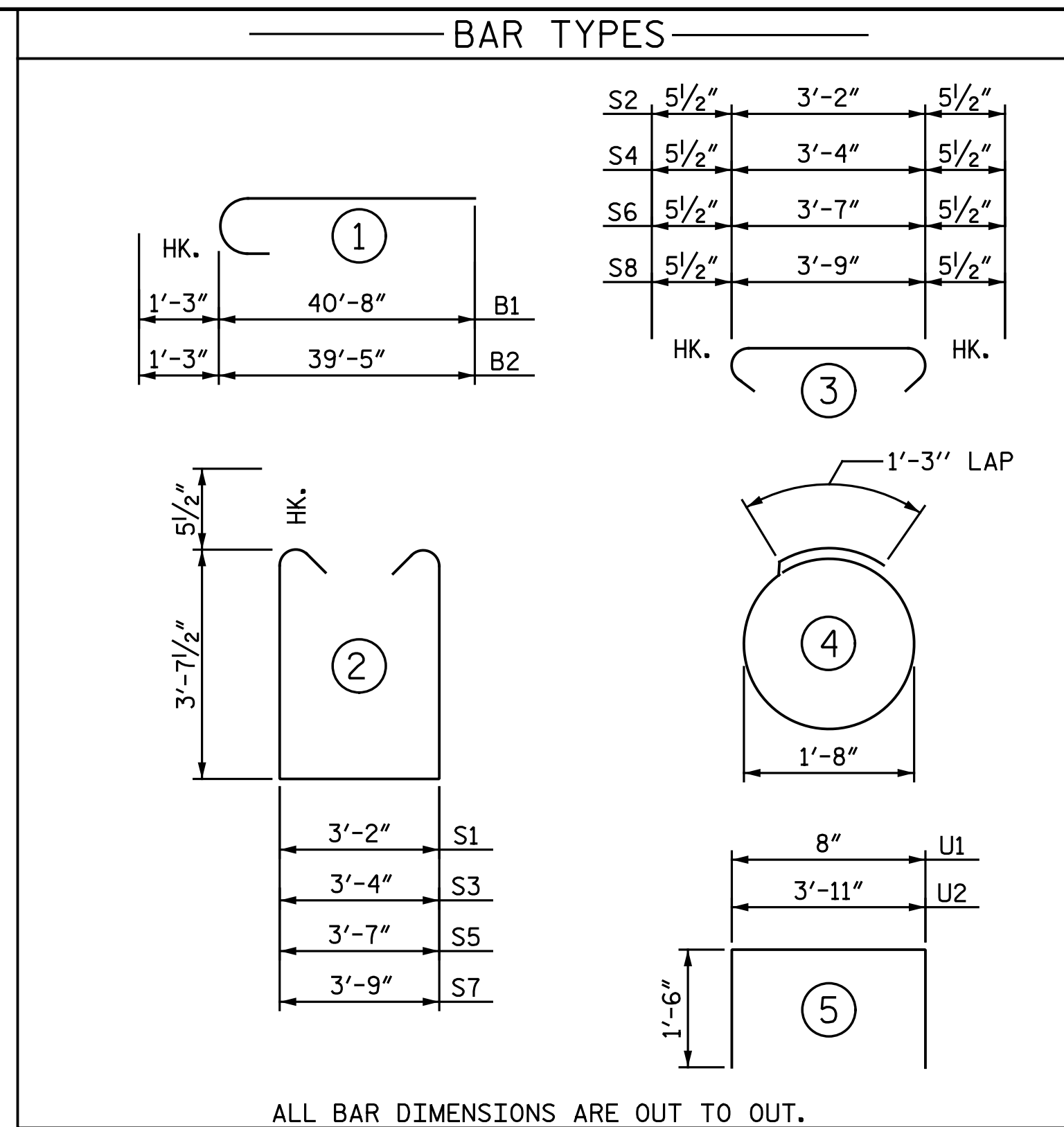
MSE REINFORCING STRAP LOAD DETAIL

MSE REINFORCING STRAPS SHALL BE ATTACHED TO THE END BENT CAP AND/OR BACKWALL. FOR DESIGN CRITERIA AND DETAILS, SEE MSE WALL SHEETS AND SPECIAL PROVISIONS.



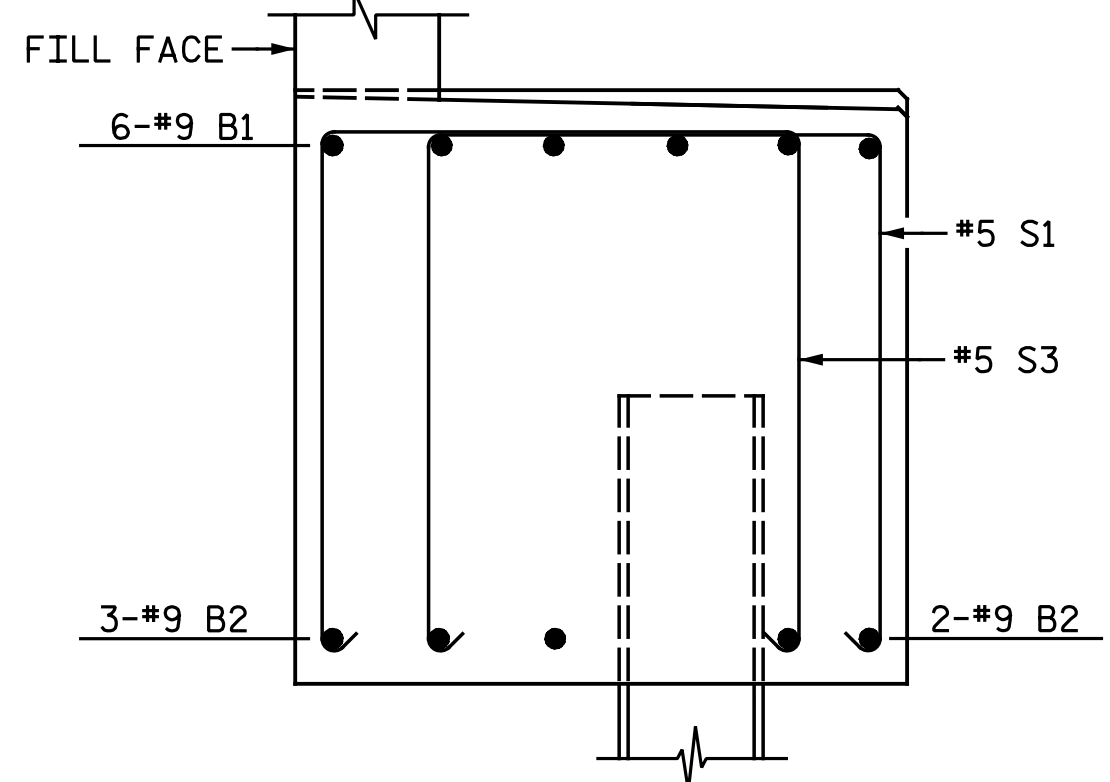
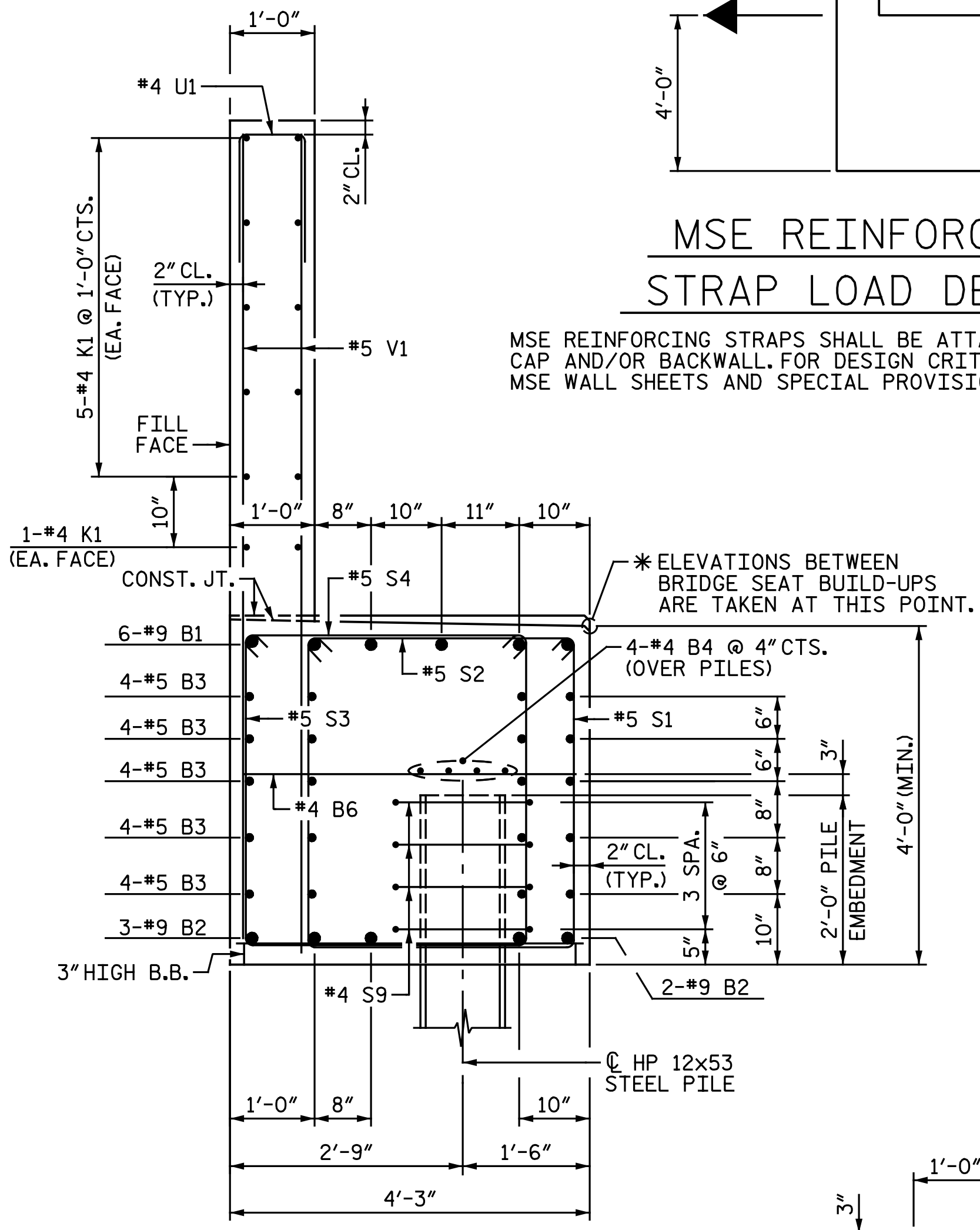
DETAIL "E"

THE PVC SLEEVE THROUGH THE BACKWALL SHALL BE LOCATED BY THE ENGINEER. THE K4 BARS MAY BE SHIFTED AS NECESSARY TO CLEAR TOP OF CAP.

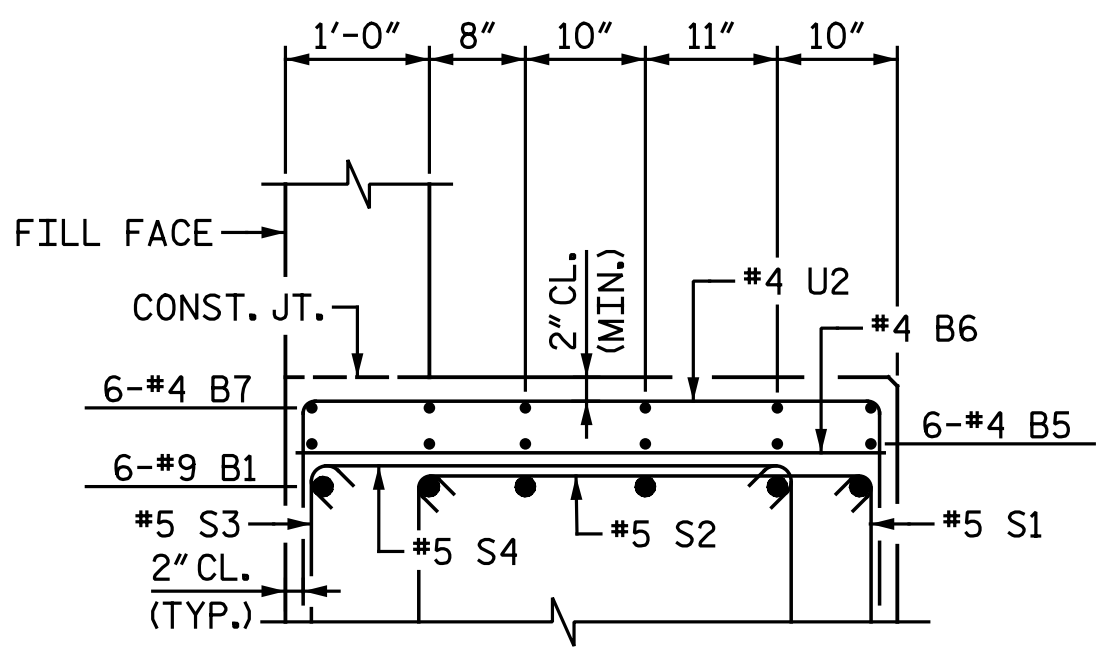


BILL OF MATERIAL

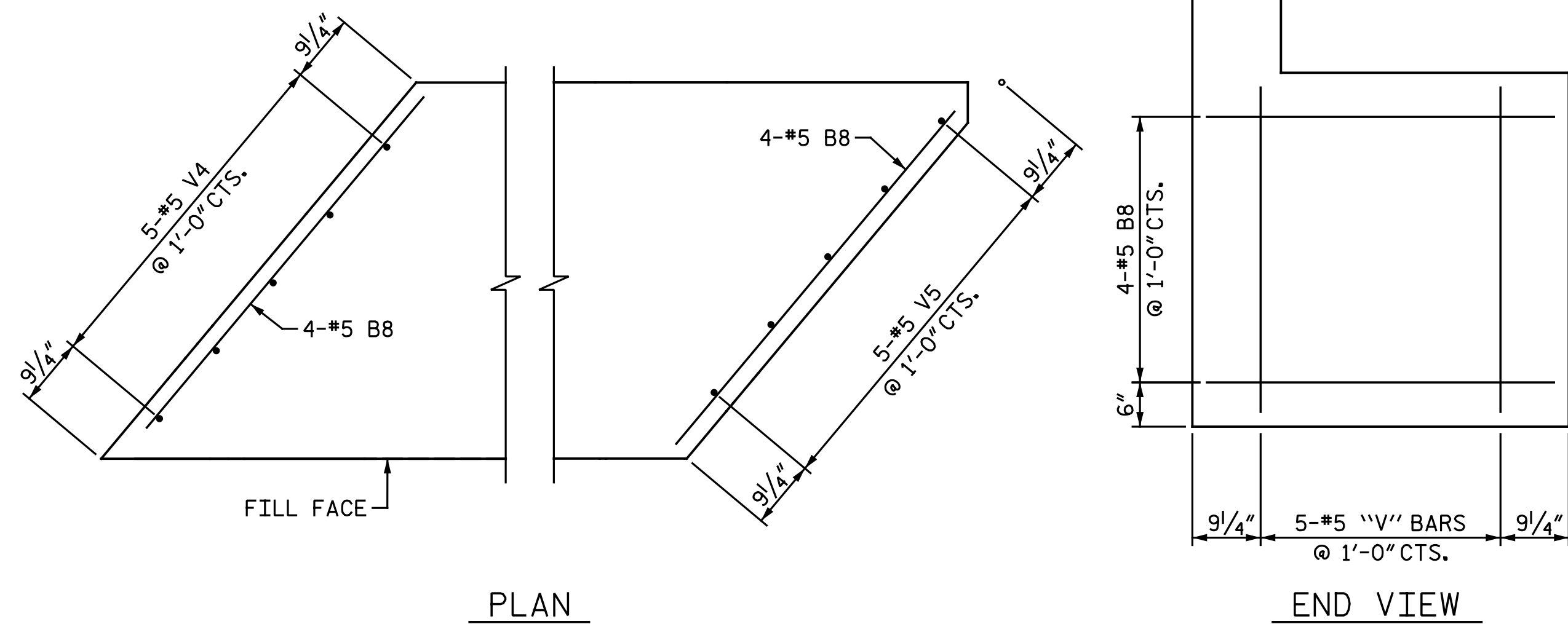
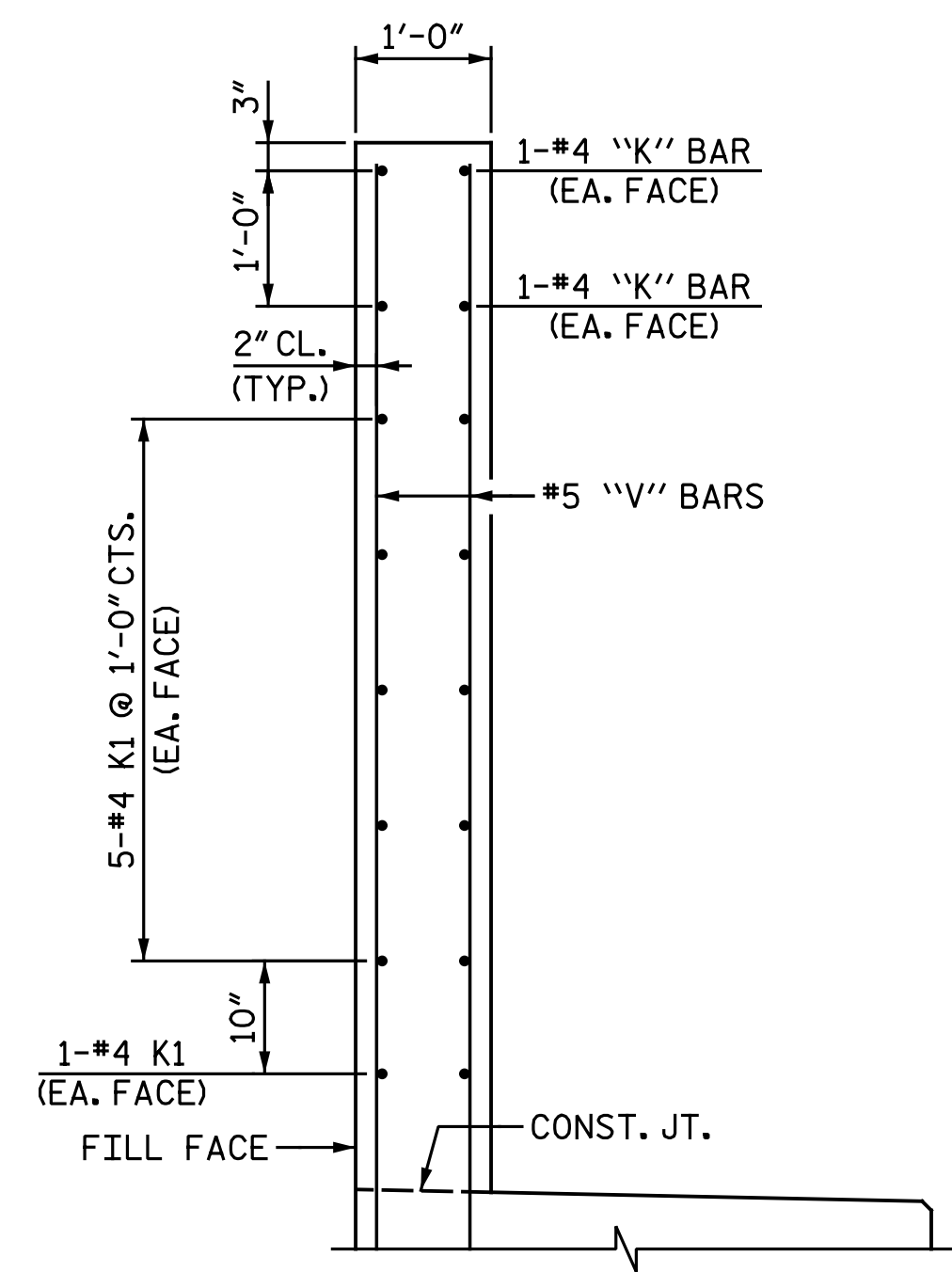
END BENT 1							
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT		
B1	12	#9	1	41' - 11"	1,710		
B2	10	#9	1	40' - 8"	1,383		
B3	40	#5	STR.	37' - 8"	1,571		
B4	8	#4	STR.	37' - 6"	200		
B5	12	#4	STR.	27' - 8"	222		
B6	23	#4	STR.	3' - 11"	60		
B7	6	#4	STR.	16' - 8"	67		
B8	8	#5	STR.	4' - 9"	40		
K1	24	#4	STR.	37' - 5"	600		
K2	4	#4	STR.	2' - 5"	6		
K3	4	#4	STR.	2' - 0"	5		
K4	16	#4	STR.	3' - 8"	39		
S1	101	#5	2	11' - 4"	1,194		
S2	90	#5	3	4' - 1"	383		
S3	101	#5	2	11' - 6"	1,211		
S4	90	#5	3	4' - 3"	399		
S5	2	#5	2	11' - 9"	25		
S6	2	#5	3	4' - 6"	9		
S7	2	#5	2	11' - 11"	25		
S8	2	#5	3	4' - 8"	10		
S9	44	#4	4	6' - 6"	191		
U1	67	#4	5	3' - 8"	164		
U2	54	#4	5	6' - 11"	249		
V1	134	#5	STR.	8' - 9"	1,223		
V2	8	#5	STR.	10' - 5"	87		
V3	8	#5	STR.	11' - 0"	92		
V4	5	#5	STR.	3' - 7"	19		
V5	5	#5	STR.	4' - 0"	21		
REINFORCING STEEL			LBS. 11,205				
CLASS A CONCRETE							
POUR 1 - CAP				C.Y.	49.9		
POUR 2 - BACKWALL & WINGS				C.Y.	14.8		
TOTAL				C.Y.	64.7		
PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES						EA.	11
HP 12x53 STEEL PILES						NO.	11
						LIN. FT.	715
PILE REDRIVES						EA.	6



ONLY B1, B2, S1 & S3 BARS SHOWN FOR CLARITY.



V1 BARS NOT SHOWN FOR CLARITY.



END OF CAP

PROJECT NO. I-5883
HARNETT COUNTY
STATION: 26+80.73 -Y17-



DocuSigned by:
Wanda H. Sharpe
81D0FFF4ECEF4D2
4/9/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

DRAWN BY: C. E. MAYHEW DATE: 1-10-19
CHECKED BY: A. H. SHARPE DATE: 12-3-19

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

TOTAL SHEETS: 33