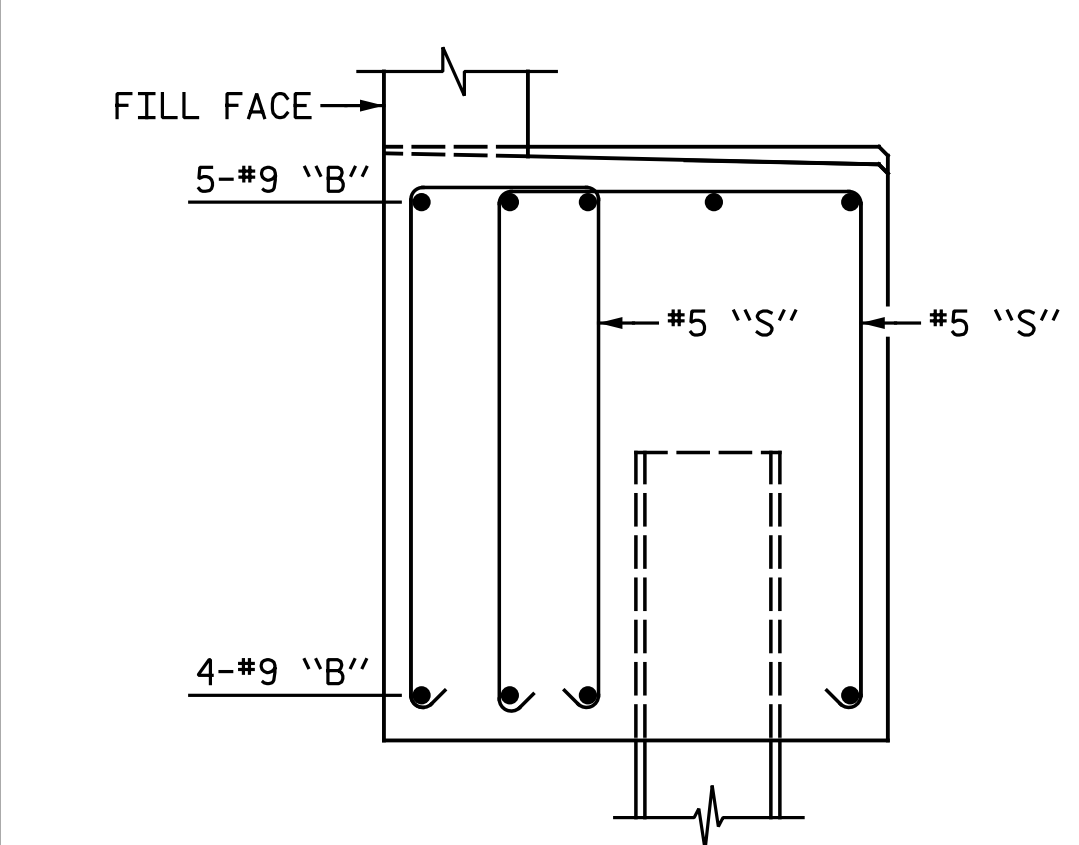
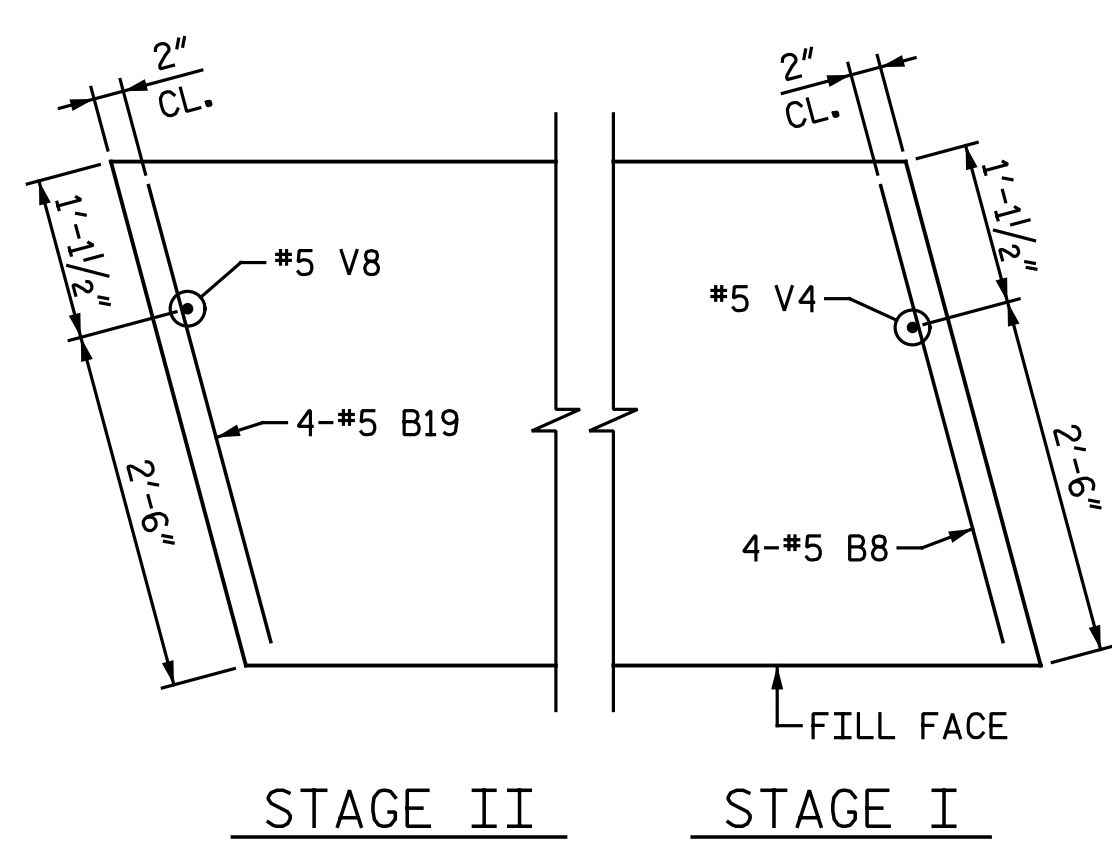


SECTION A-A

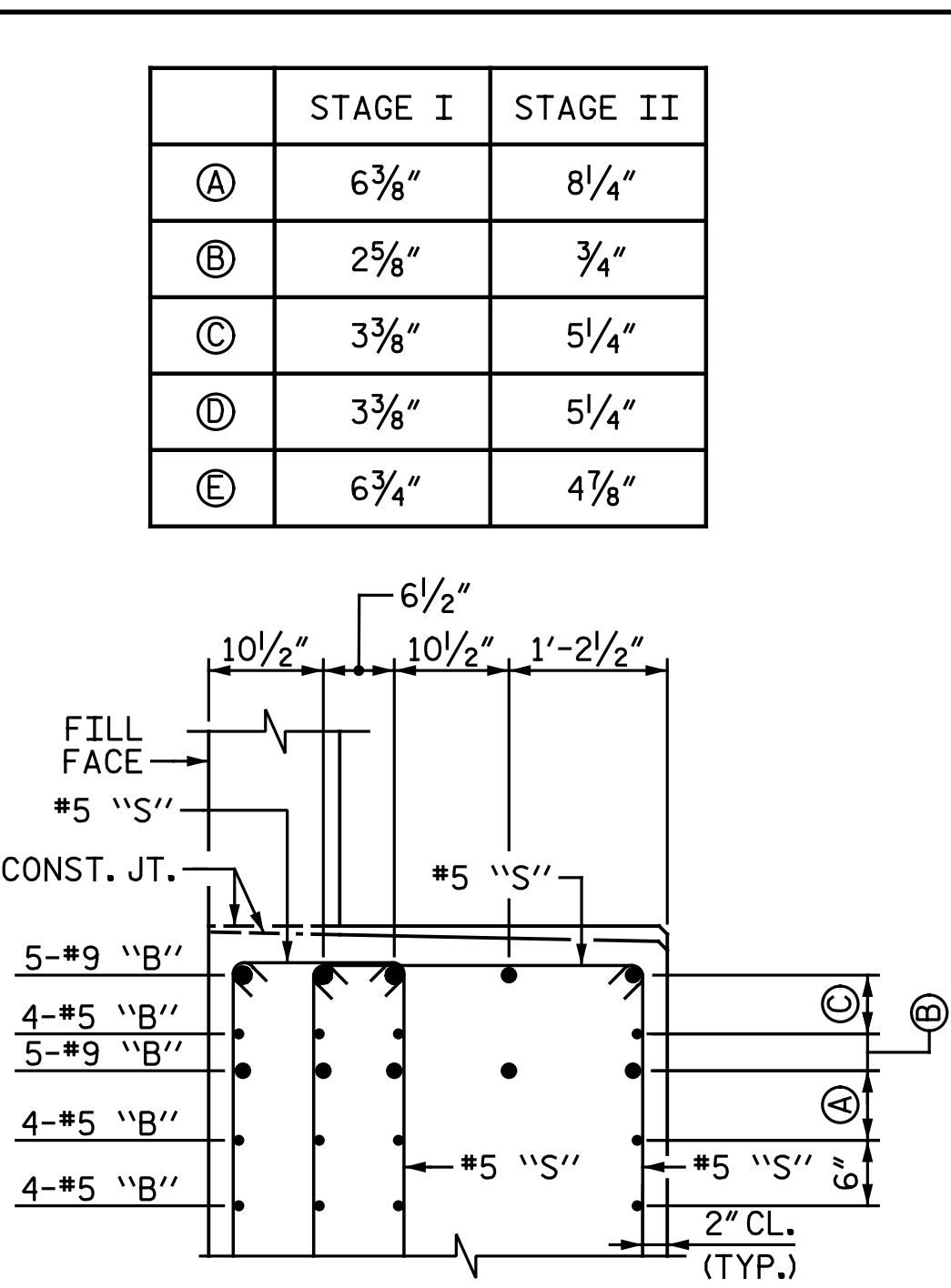


PARTIAL SECTION C-C

ONLY #9 "B" & #5 "S" BARS SHOWN FOR CLARITY (TYP. EA. PILE)

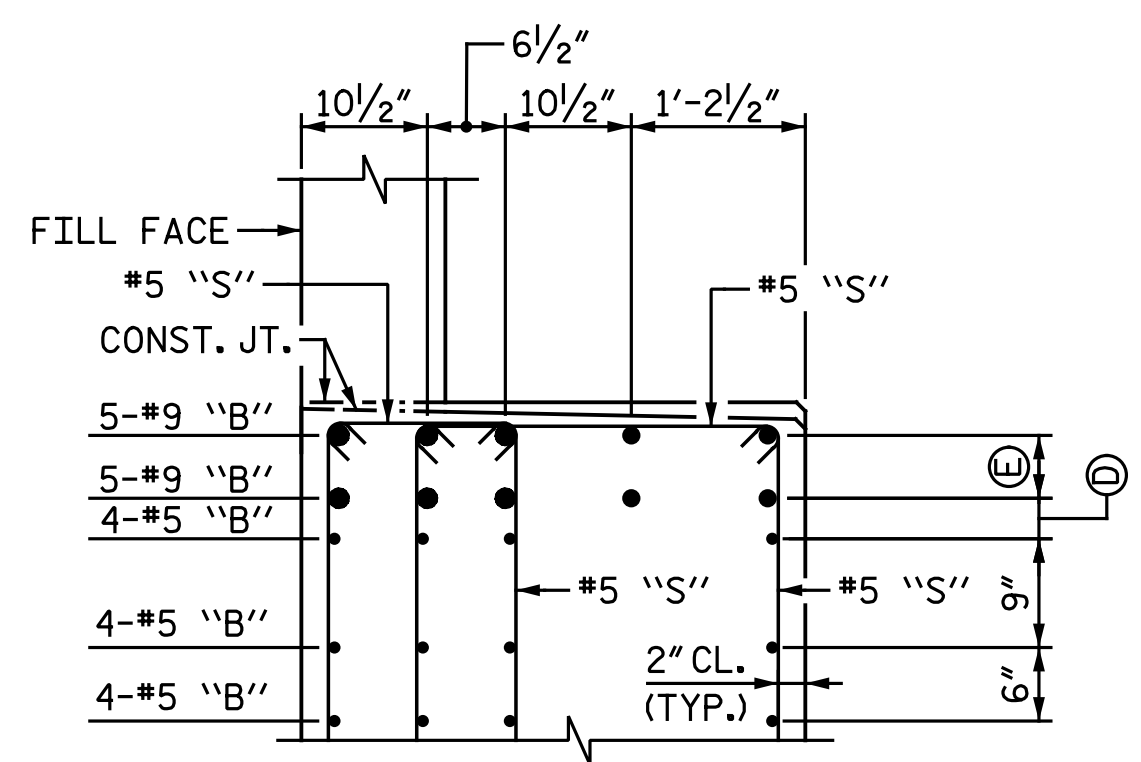


STAGE II STAGE I  
PLAN



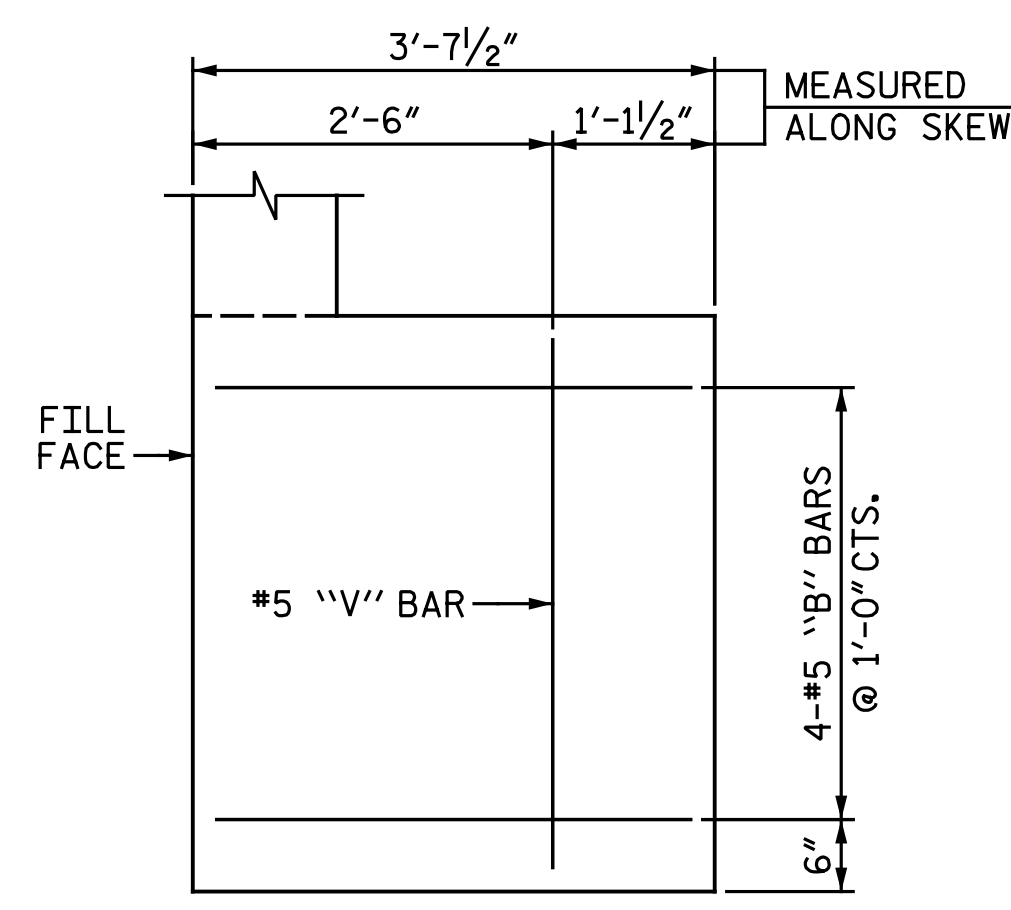
PARTIAL SECTION B-B

"K" & "V" BARS NOT SHOWN FOR CLARITY



PARTIAL SECTION D-D

"K" & "V" BARS NOT SHOWN FOR CLARITY



END VIEW

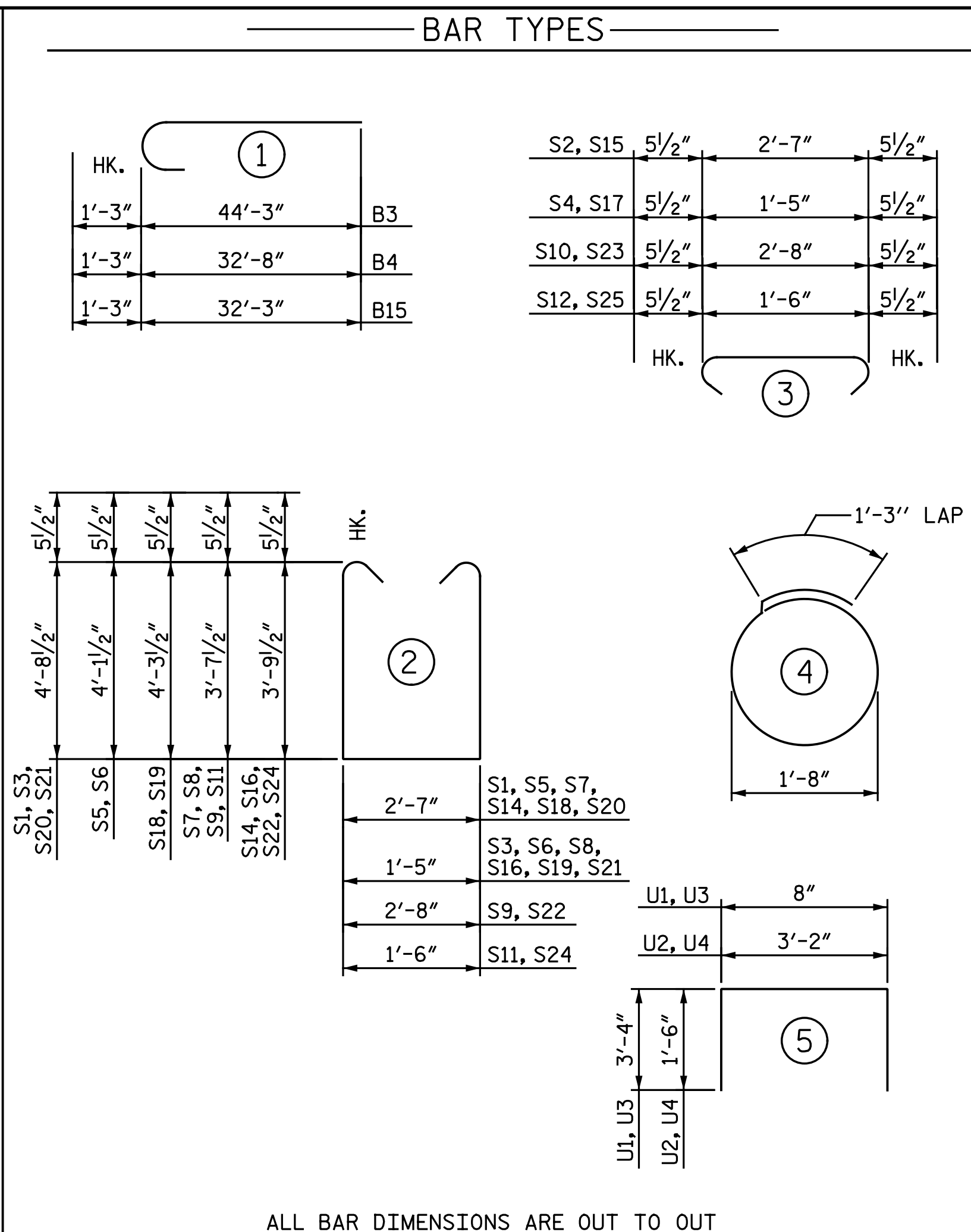
MEASURED ALONG SKEW

DRAWN BY: M. D. MAYHEW DATE: 8-8-19  
CHECKED BY: B. J. BELL DATE: 9-17-19

END OF CAP DETAILS

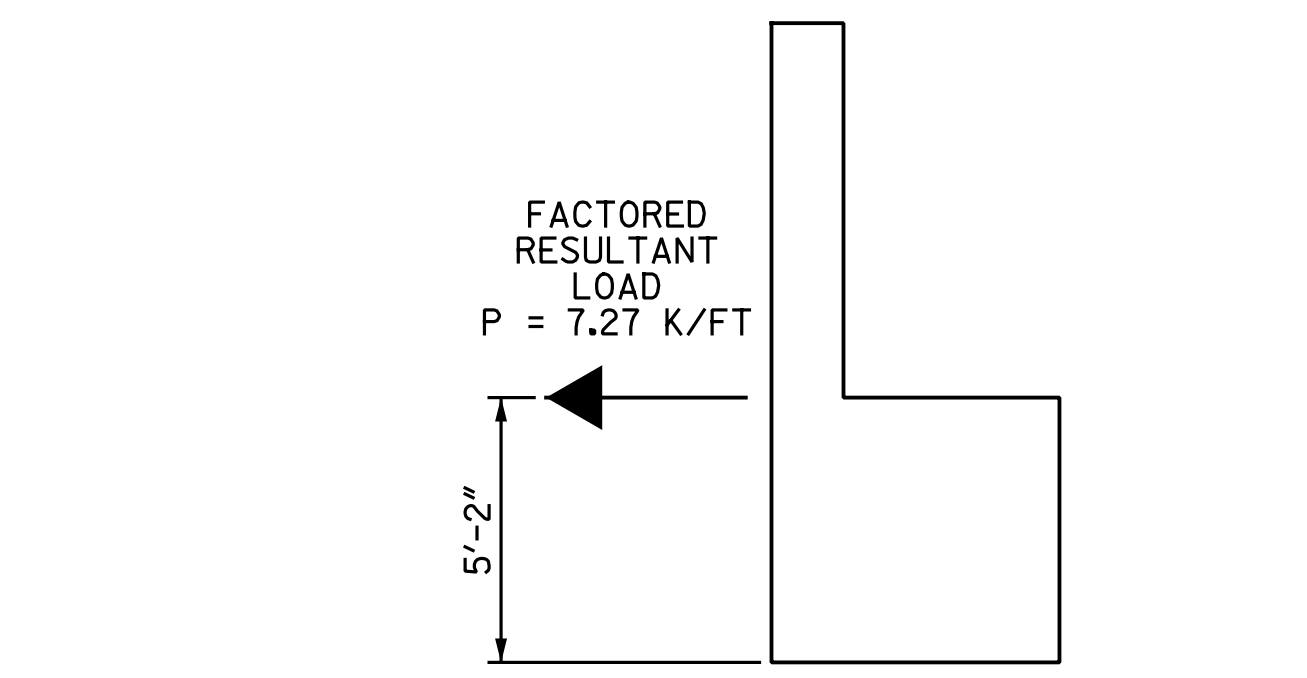
TABLE WITH STAGE I AND STAGE II DIMENSIONS

	STAGE I	STAGE II
(A)	6 3/8"	8 1/4"
(B)	2 5/8"	3/4"
(C)	3 3/8"	5 1/4"
(D)	3 3/8"	5 1/4"
(E)	6 3/4"	4 7/8"



NOTE: FOR "PILE SPLICE DETAILS", SEE "END BENT 2 DETAILS" SHEET.

ALL BAR DIMENSIONS ARE OUT TO OUT



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.

BILL OF MATERIAL											
END BENT 1 (STAGE I)					END BENT 1 (STAGE II)						
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT		
B1	4	#9	STR.	52'-3"	711	B13	4	#9	STR.	44'-0"	598
B2	5	#9	STR.	46'-9"	795	B14	5	#9	STR.	38'-4"	652
B3	4	#9	1	45'-6"	619	B15	9	#9	1	33'-6"	1,025
B4	5	#9	1	33'-11"	577	B16	5	#9	STR.	17'-0"	289
B5	5	#9	STR.	28'-6"	485	B17	4	#5	STR.	41'-7"	173
B6	40	#5	STR.	47'-9"	1,992	B18	40	#5	STR.	36'-11"	1,540
B7	8	#5	STR.	32'-11"	275	B19	4	#5	STR.	3'-3"	14
B8	4	#5	STR.	3'-3"	14	B20	8	#4	STR.	36'-8"	196
B9	12	#4	STR.	32'-3"	259	B21	15	#4	STR.	9'-8"	97
B10	10	#4	STR.	9'-8"	65	B22	10	#4	STR.	4'-8"	31
B11	15	#4	STR.	4'-8"	47	B23	18	#4	STR.	3'-2"	38
B12	22	#4	STR.	3'-2"	47						
						K3	16	#4	STR.	36'-4"	388
						K4	4	#4	STR.	2'-1"	6
						S14	30	#5	2	11'-1"	347
						S15	81	#5	3	3'-6"	296
						S16	30	#5	2	9'-11"	310
						S17	81	#5	3	2'-4"	197
						S18	40	#5	2	12'-1"	504
						S19	40	#5	2	10'-11"	455
						S20	23	#5	2	12'-11"	310
						S21	23	#5	2	11'-9"	282
						S22	1	#5	2	11'-2"	12
						S23	1	#5	3	3'-7"	4
						S24	1	#5	2	10'-0"	10
						S25	1	#5	3	2'-5"	3
						S26	48	#4	4	6'-6"	208
						U3	68	#5	5	7'-4"	520
						U4	35	#4	5	6'-2"	144
						V5	74	#5	STR.	8'-0"	617
						V6	62	#5	STR.	7'-6"	485
						V7	6	#5	STR.	9'-2"	57
						V8	1	#5	STR.	3'-9"	4

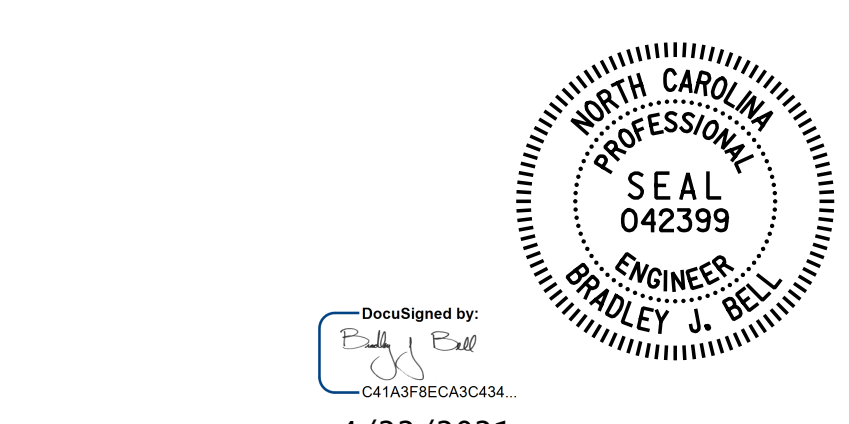
REINFORCING STEEL	LBS.	12,364	REINFORCING STEEL	LBS.	9,812
CLASS A CONCRETE POUR 1 - CAP	C.Y.	55.8	CLASS A CONCRETE POUR 1 - CAP	C.Y.	44.9
CLASS A CONCRETE POUR 2 - BACKWALL	C.Y.	12.9	CLASS A CONCRETE POUR 2 - BACKWALL	C.Y.	10.1
TOTAL	C.Y.	68.7	TOTAL	C.Y.	55.0
PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES	EA.	15	PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES	EA.	12
HP 12x53 STEEL PILES NO. 15	LIN. FT.	1,050	HP 12x53 STEEL PILES NO. 12	LIN. FT.	840
PILE REDRIVES	EA.	8	PILE REDRIVES	EA.	6

REINFORCING STEEL LBS. 12,364 REINFORCING STEEL LBS. 9,812  
 CLASS A CONCRETE POUR 1 - CAP C.Y. 55.8 CLASS A CONCRETE POUR 1 - CAP C.Y. 44.9  
 CLASS A CONCRETE POUR 2 - BACKWALL C.Y. 12.9 CLASS A CONCRETE POUR 2 - BACKWALL C.Y. 10.1  
 TOTAL C.Y. 68.7 TOTAL C.Y. 55.0  
 PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES EA. 15 PILE DRIVING EQUIPMENT SETUP FOR HP 12x53 STEEL PILES EA. 12  
 HP 12x53 STEEL PILES NO. 15 LIN. FT. 1,050 HP 12x53 STEEL PILES NO. 12 LIN. FT. 840  
 PILE REDRIVES EA. 8 PILE REDRIVES EA. 6

PROJECT NO. I-5878  
 HARNETT COUNTY  
 STATION: 1002+79.68 -LREV-

SHEET 3 OF 3

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



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S2-26
1			3			TOTAL SHEETS
2			4			34

Michael Baker International  
 Michael Baker Engineering  
 8000 Regency Parkway, Suite 600  
 Cary, North Carolina 27518  
 NC License No.: F-1084