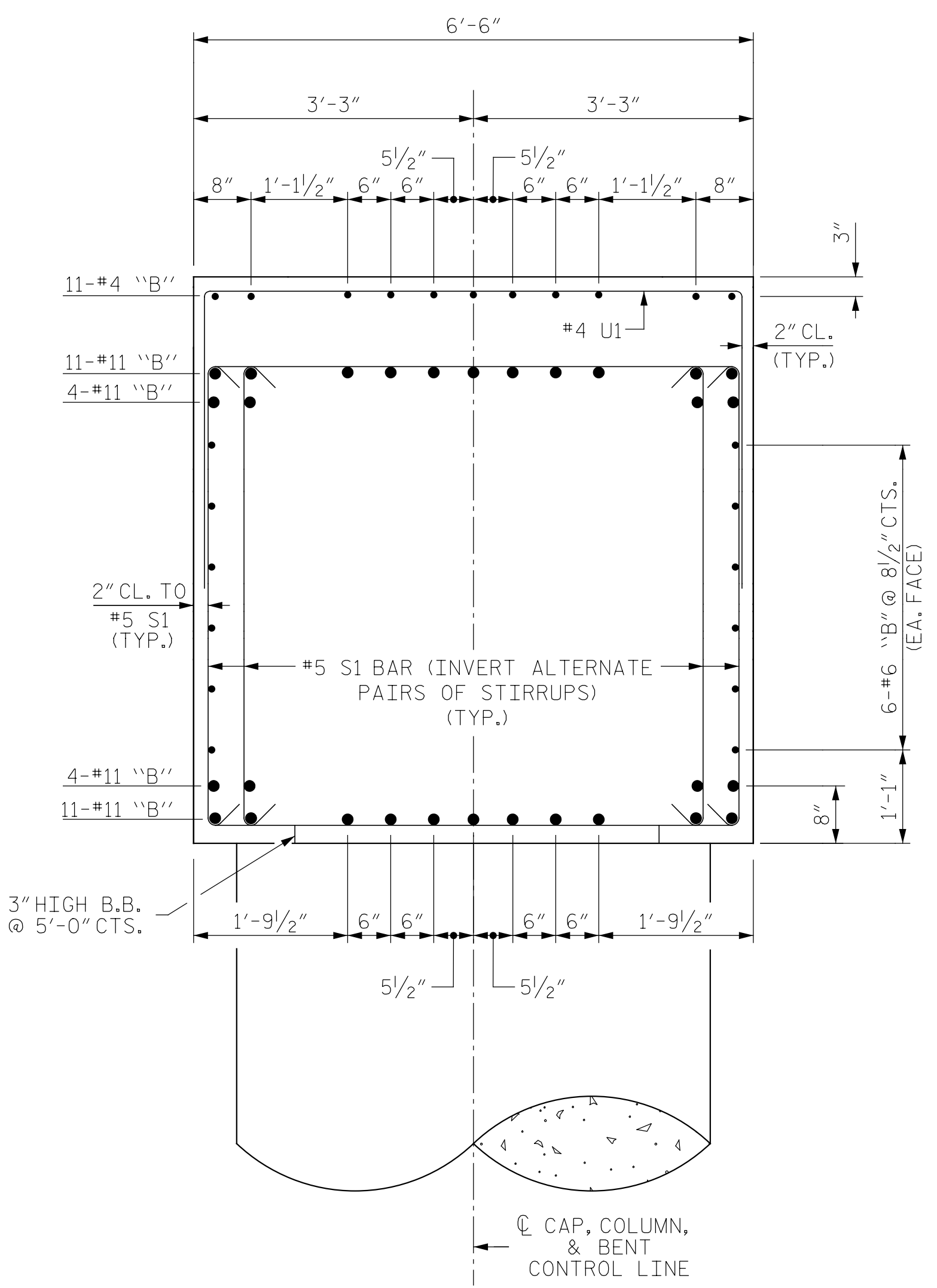
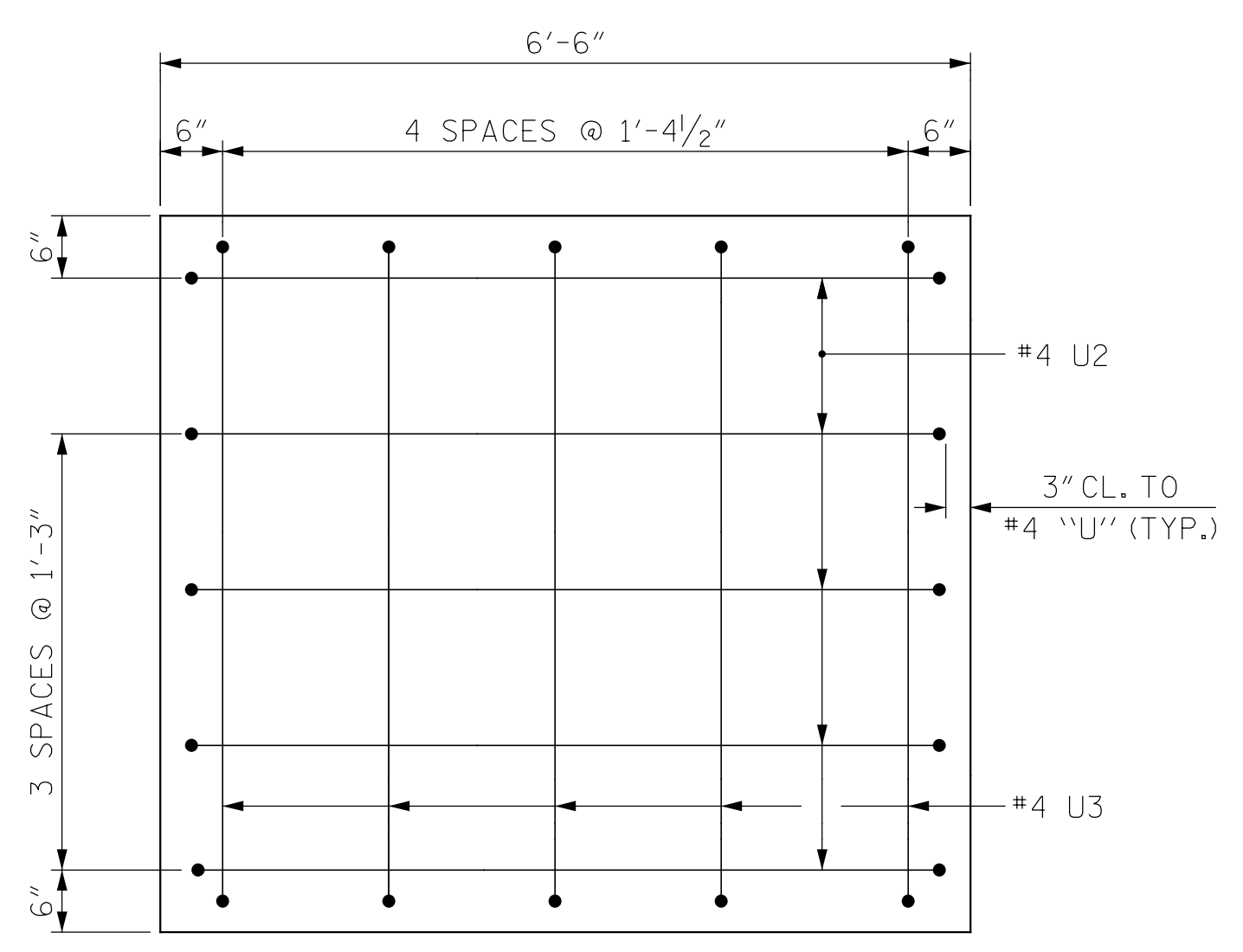


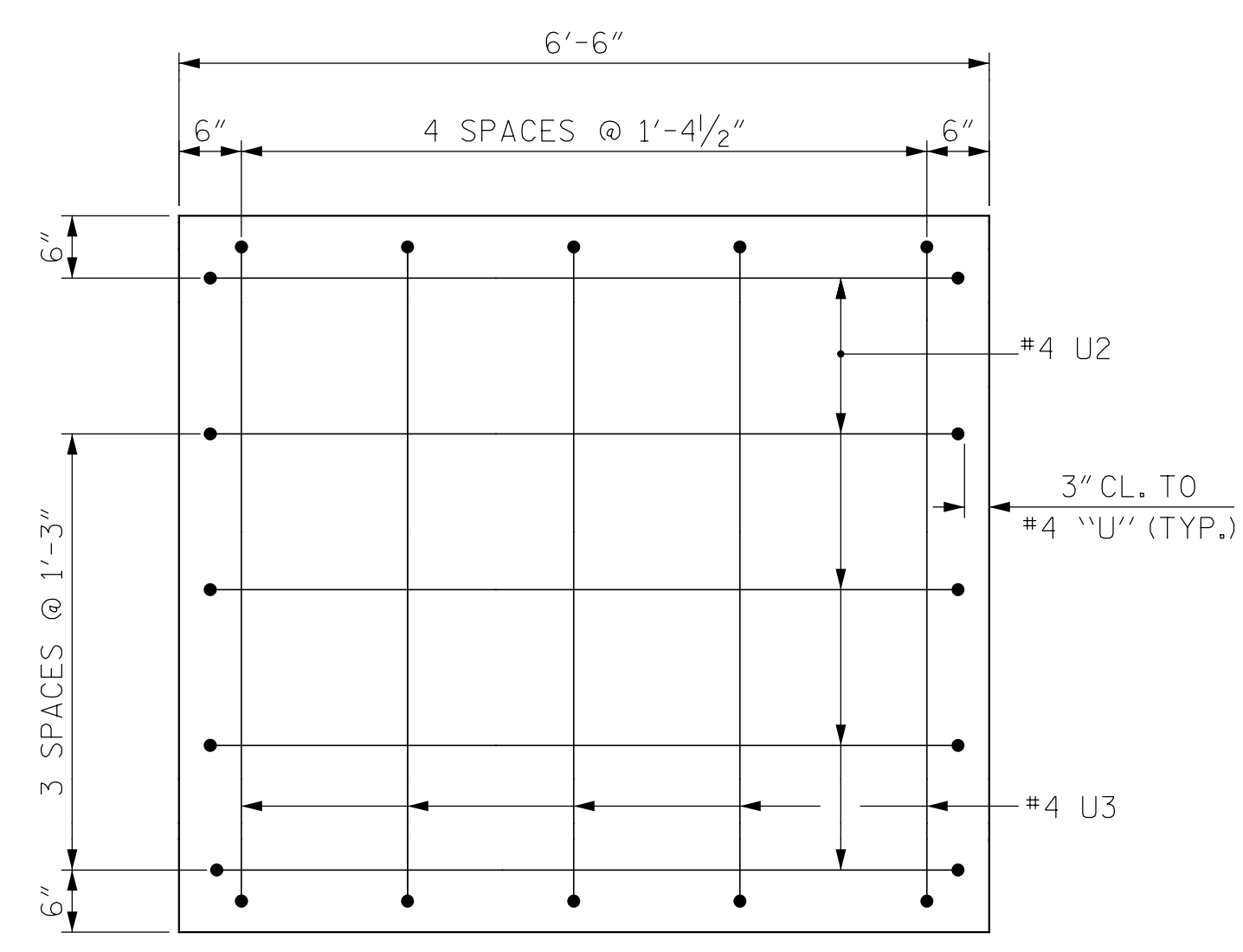
SECTION A-A



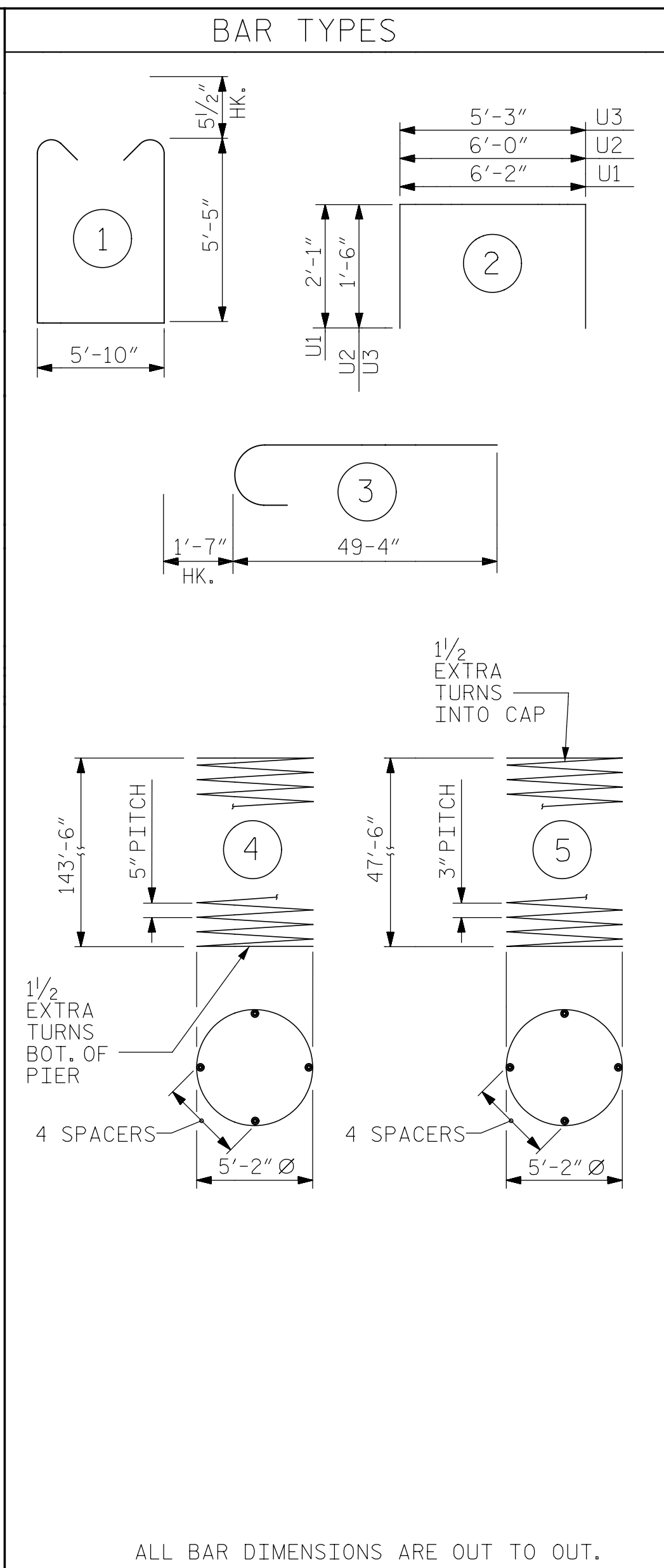
SECTION B-B
(STEPS NOT SHOWN FOR CLARITY)



VIEW X-X
(STAGE I CONSTRUCTION)



VIEW Y-Y
(STAGE II CONSTRUCTION)



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL													
BENT 4 - STAGE I					BENT 4 - STAGE II								
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	LENGTH	WEIGHT				
B1	30	11	STR	58' - 9"	9,364	B6	30	11	STR	22' - 5"	3,573		
B2	12	6	STR	55' - 9"	1,005	B7	12	6	STR	22' - 6"	406		
B3	11	4	STR	14' - 4"	105	B8	11	4	STR	13' - 10"	102		
B4	22	4	STR	9' - 0"	132								
B5	11	4	STR	11' - 6"	85	S1	84	5	1	17' - 7"	1,541		
M1	336	11	STR	53' - 11"	96,250	U1	35	4	2	10' - 4"	242		
S1	172	5	1	17' - 7"	3,154	U2	5	4	2	9' - 0"	30		
						U3	5	4	2	8' - 3"	28		
U1	74	4	2	10' - 4"	511	REINFORCING STEEL		LBS.	5,922				
U2	5	4	2	9' - 0"	30	CLASS "A" CONCRETE BREAKDOWN							
U3	5	4	2	8' - 3"	28	V1	112	11	3	50' - 11"	30,298		
* SP-1	4	5	4	5555' - 9"	23,179	POUR #3 - CAP		C.Y.	32.4				
** SP-2	4	4	5	3080' - 7"	8,231	TOTAL CLASS "A" CONCRETE C.Y. 32.4							
REINFORCING STEEL				LBS.	140,962	SPIRAL COLUMN REINFORCING STEEL				LBS.	31,410		
CLASS "A" CONCRETE BREAKDOWN					POUR #2 - COLUMNS					C.Y.	166.2		
POUR #3 - CAP					C.Y.	76.3	TOTAL CLASS "A" CONCRETE C.Y. 242.5						
DRILLED PIERS					POUR #1 - DRILLED PIERS					C.Y.	603.2		
6'-0" Ø DRILLED PIERS LIN. FT.					576.0	PERMANENT STEEL CASING FOR 6'-0" Ø DRILLED PIERS					LIN. FT.	196.0	
SID INSPECTIONS					EA.	2	CSL TUBES					LIN. FT.	3528.0
CSL TESTING					EA.	4							

* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.
 ** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.

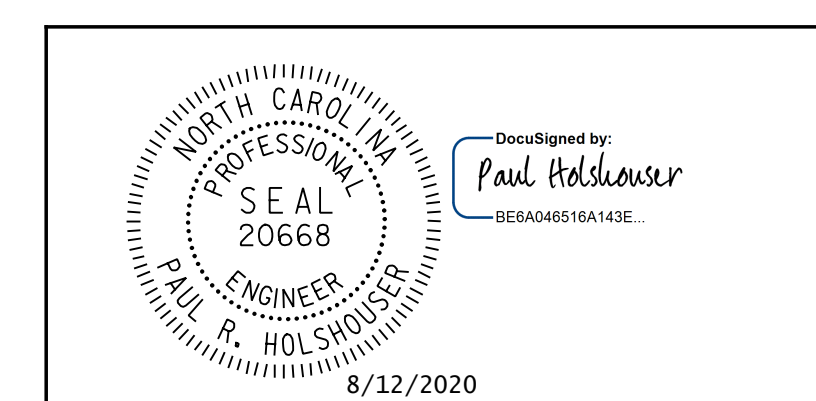
NOTES:

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.
- ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR "REINFORCING STEEL" AND "SPIRAL COLUMN REINFORCING STEEL."
- STIRRUPS IN CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.
- HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.
- FOR ADDITIONAL FOUNDATION NOTES, SEE "GENERAL DRAWING," SHEET 4 OF 7.
- THE CONTRACTOR HAS THE OPTION TO POUR THE ENTIRE CAP IN STAGE I. NO PARTIAL DEMOLITION OF THE EXISTING BRIDGE 080017 WILL BE ALLOWED.

PROJECT NO. 48793.3.1
 BLADEN COUNTY
 STATION: 118+81.78 -L-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 SUBSTRUCTURE
 BENT 4
 SECTION & DETAILS



ICE of Carolinas, PLLC
 4505 Falls of Neuse Road, Suite 110
 Raleigh, North Carolina 27609
 Phone: 919-822-0333
 License #: P-0999

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-84
1			3			TOTAL SHEETS 107
2			4			

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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DRAWN BY: B. J. MANTEI DATE: 5-20-20
 CHECKED BY: N. D'AIUTO DATE: 7-17-20
 DESIGN E.O.R.: P. R. HOLSHOUSER DATE: 7-23-20