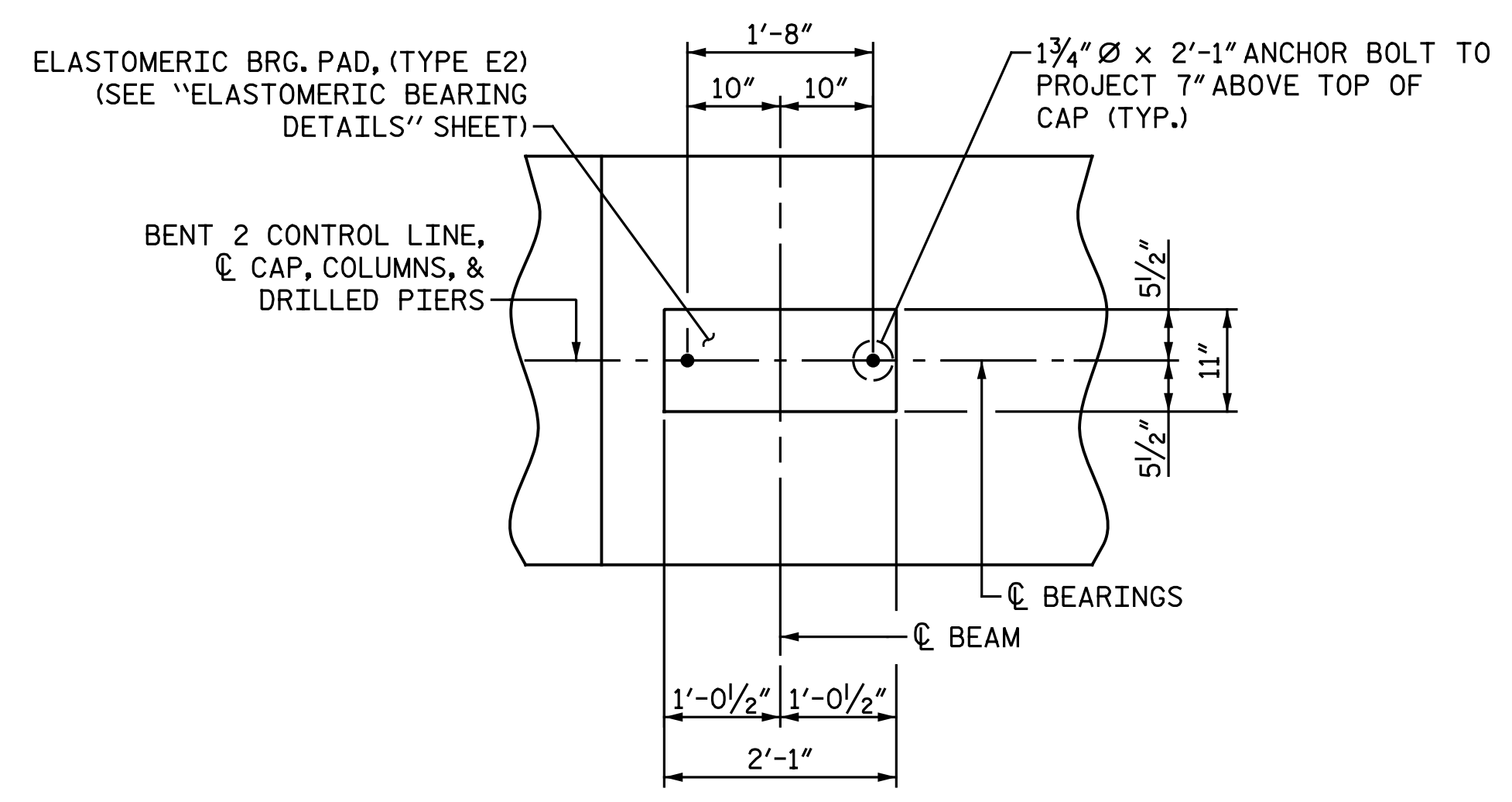
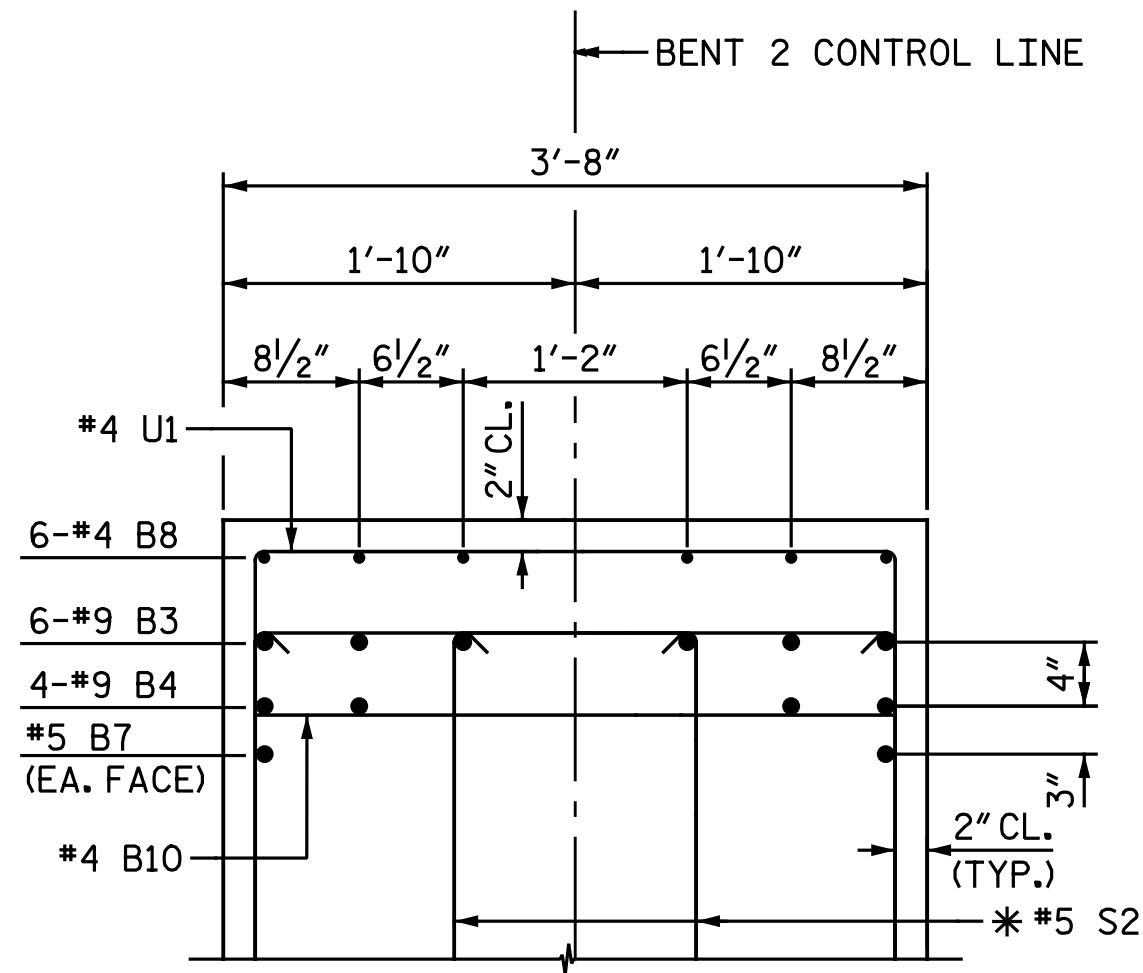


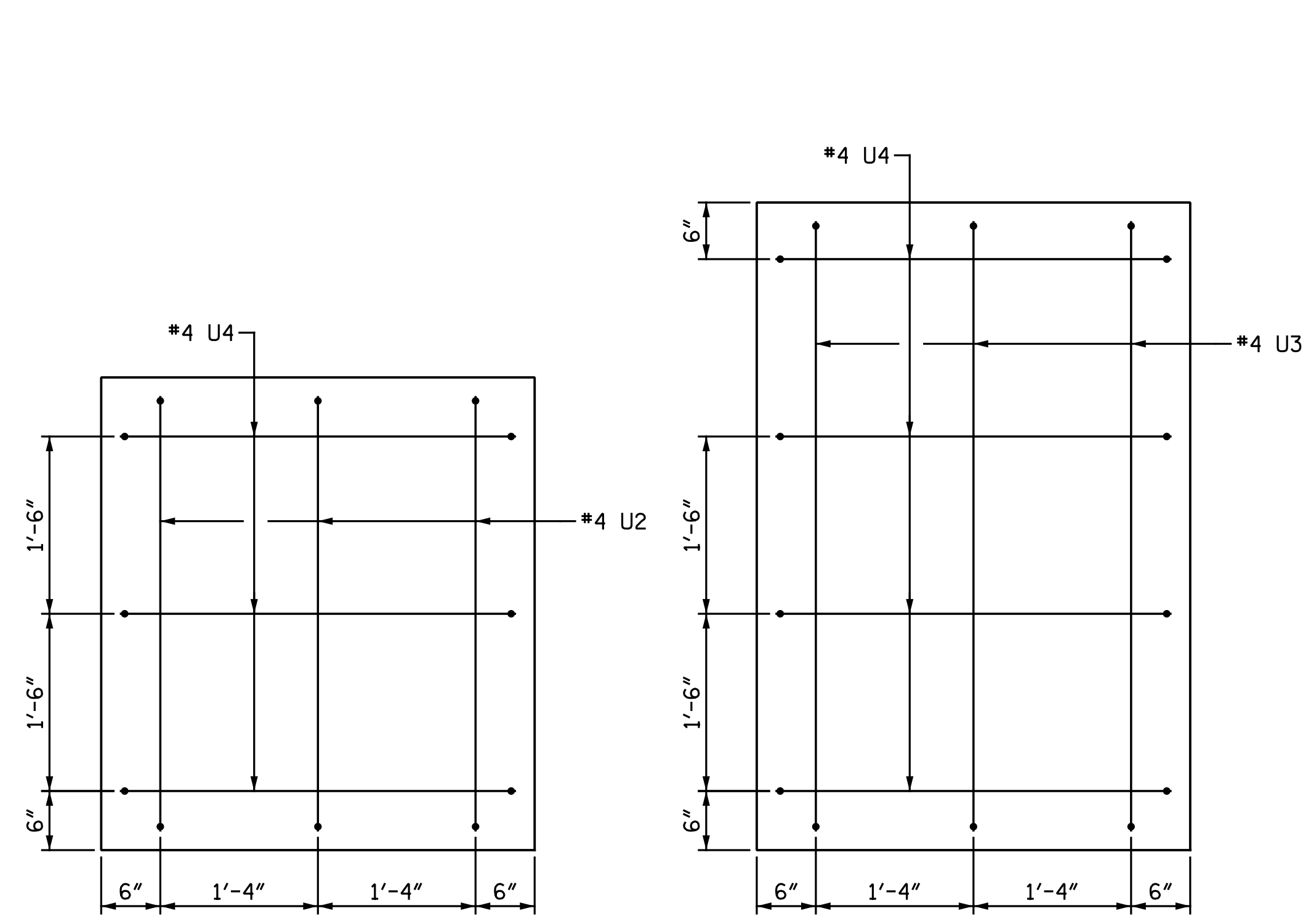
PLAN OF DRILLED PIERS & COLUMNS



DETAIL "A"
DIMENSIONS ARE TYPICAL FOR EACH BEARING

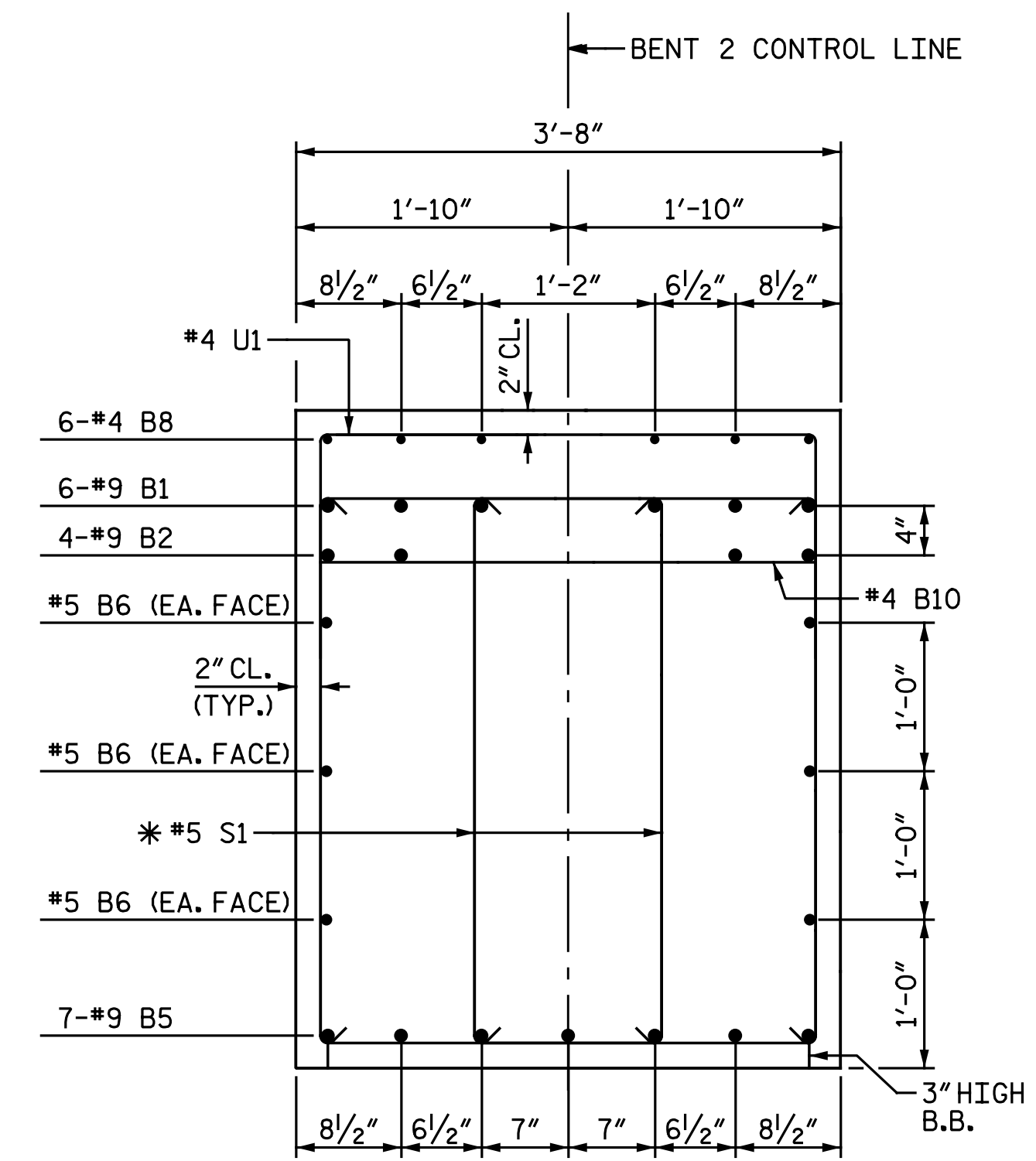


PARTIAL SECTION B-B
* INVERT ALTERNATE STIRRUPS

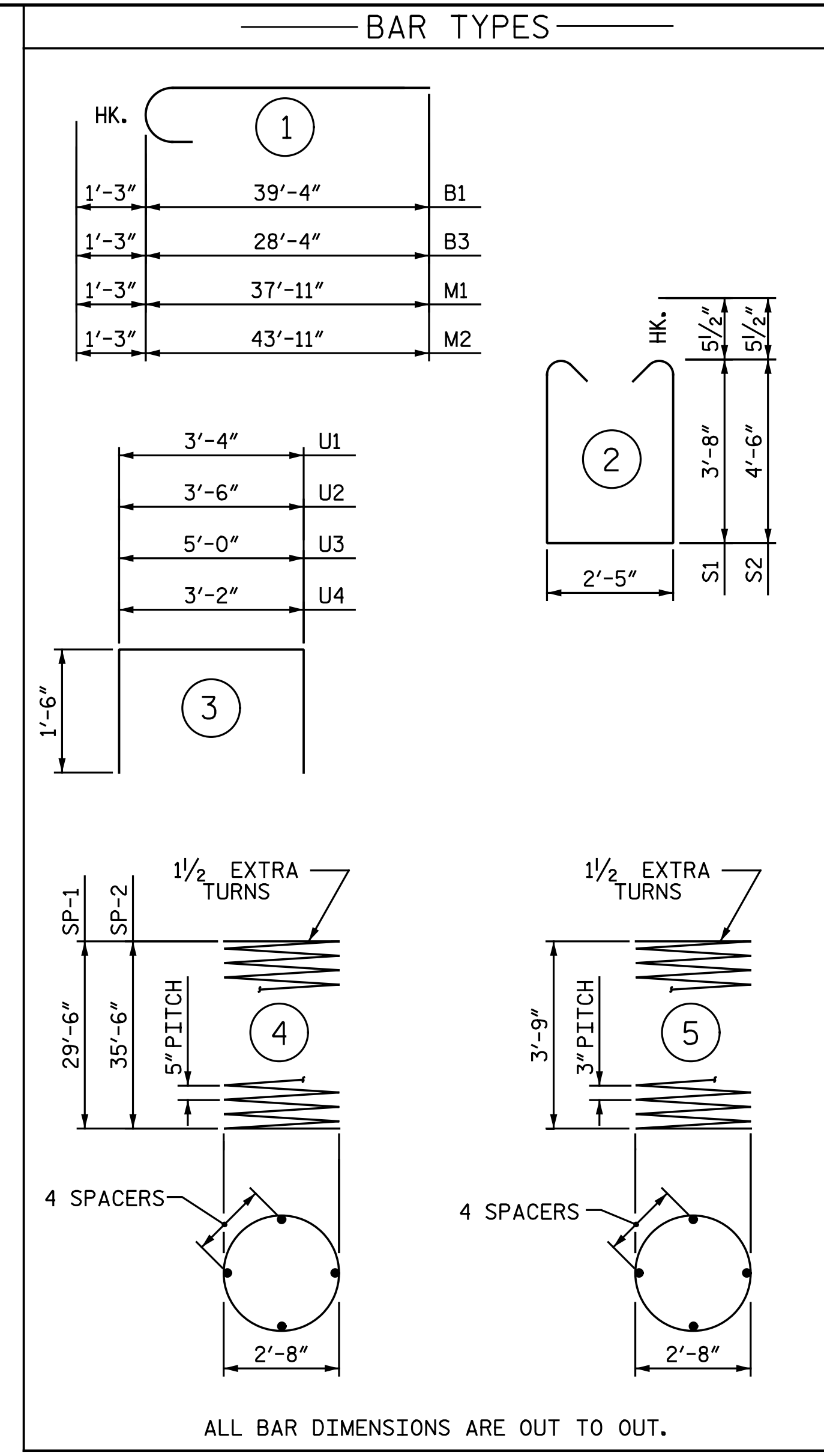


VIEW X-X

VIEW Y-Y



SECTION A-A
* INVERT ALTERNATE STIRRUPS



NOTES:
FOR NOTES, SEE "BENT 2 DETAILS (STAGE II)" SHEET.

BILL OF MATERIAL					
BENT 2 - STAGE I					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#9	1	40' - 7"	828
B2	4	#9	STR	39' - 4"	535
B3	6	#9	1	29' - 7"	603
B4	4	#9	STR	28' - 5"	386
B5	14	#9	STR	34' - 6"	1,642
B6	12	#5	STR	32' - 10"	411
B7	2	#5	STR	28' - 5"	59
B8	18	#4	STR	8' - 4"	100
B9	6	#4	STR	2' - 11"	12
B10	18	#4	STR	3' - 4"	40
M1	20	#9	1	39' - 2"	2,663
M2	20	#9	1	45' - 2"	3,071
S1	112	#5	2	10' - 8"	1,246
S2	88	#5	2	12' - 4"	1,132
U1	57	#4	3	6' - 4"	241
U2	3	#4	3	6' - 6"	13
U3	3	#4	3	8' - 0"	16
U4	7	#4	3	6' - 2"	29
REINFORCING STEEL				LBS.	13,027
SP-1	2	*	4	607' - 0"	1,266
SP-2	2	*	4	725' - 5"	1,513
SP-3	4	**	5	148' - 6"	397
SPIRAL COLUMN REINFORCING STEEL				LBS.	3,176
* THE SP-1 & SP-2 SPIRAL REINF. STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
** THE SP-3 SPIRAL REINF. STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
CLASS A CONCRETE					
POUR 2 - COLUMNS			C.Y.	3.7	
POUR 3 - CAP			C.Y.	40.1	
TOTAL CLASS A CONCRETE				C.Y.	43.8
DRILLED PIER CONCRETE					
POUR 1 - DRILLED PIERS			C.Y.	47.1	
3'-6" DIA. DRILLED PIERS IN SOIL			LIN. FT.	108.0	
3'-6" DIA. DRILLED PIERS NOT IN SOIL			LIN. FT.	24.0	
SID INSPECTIONS			EA.	1	
▲ CSL TUBES			LIN. FT.	552	

PROJECT NO. U-3330
NASH COUNTY
STATION: 61+03.00 -L-

DRAWN BY: M. D. MAYHEW DATE: 12-6-16
CHECKED BY: A. H. SHARPE DATE: 12-9-16

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DocuSigned by:
Todd M. Garrison
61EAF7523943466
2/3/2017

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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
BENT 2 DETAILS
STAGE I

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

SHEET NO. S3-33
TOTAL SHEETS 42