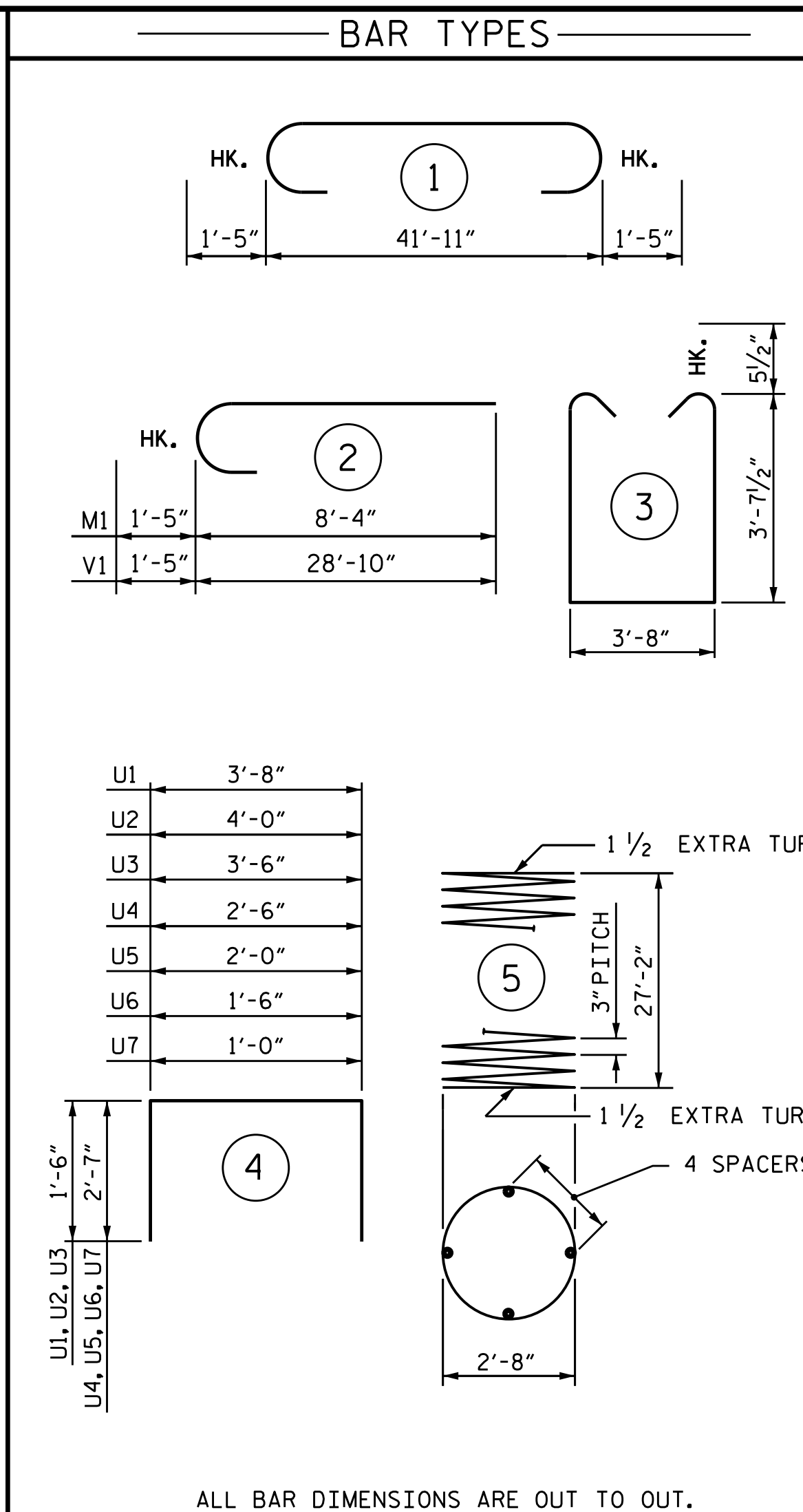
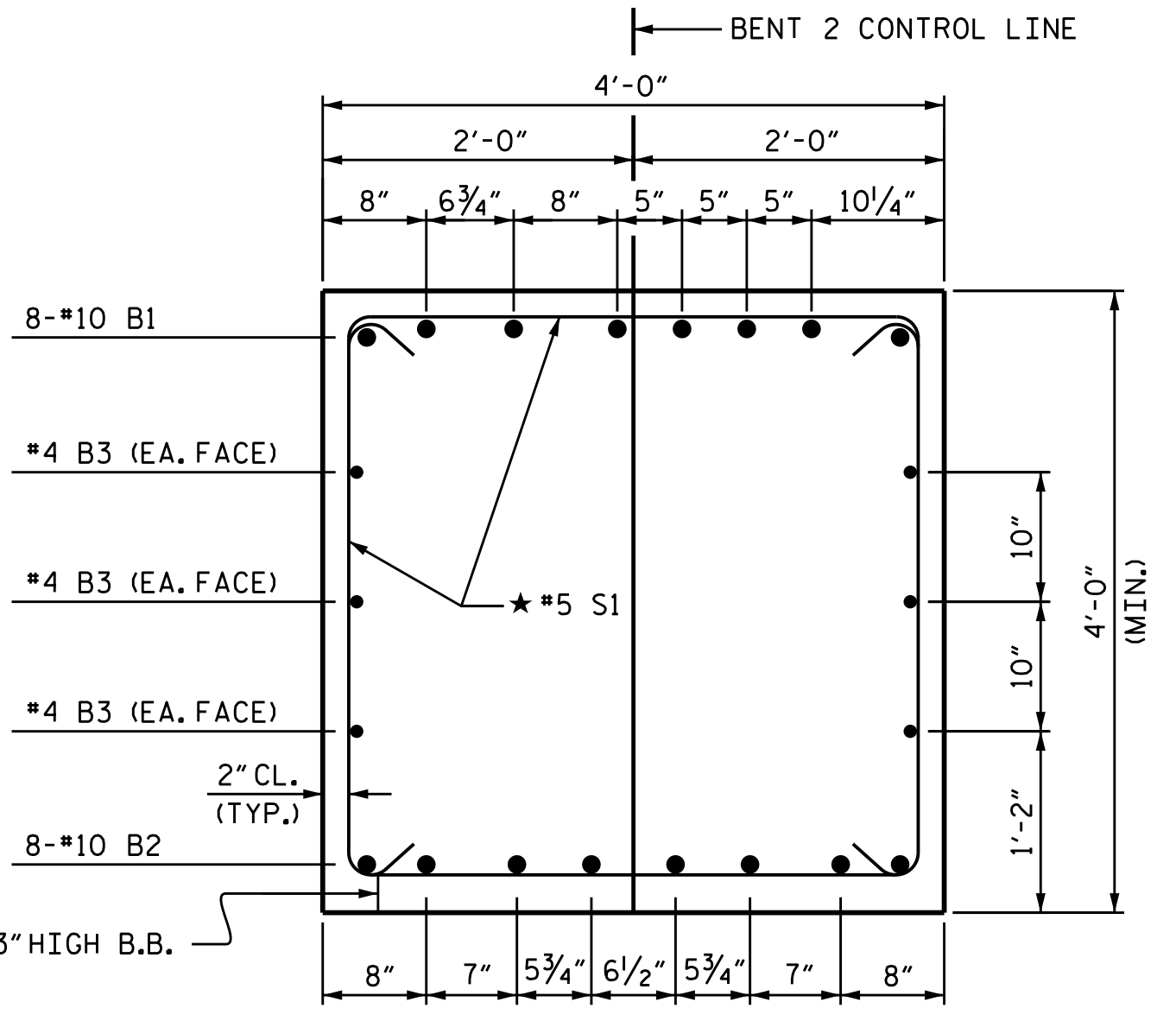
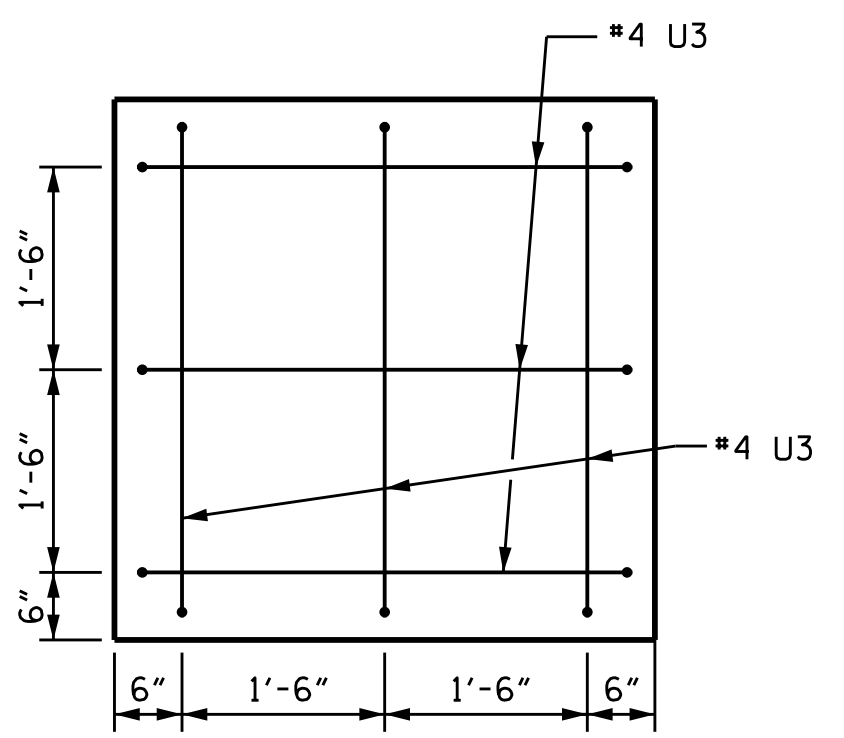


PLAN OF FOOTINGS & COLUMNS

PILES, REINFORCING STEEL, DIMENSIONS AND DETAILS ARE TYPICAL FOR EACH COLUMN AND FOOTING UNLESS OTHERWISE NOTED

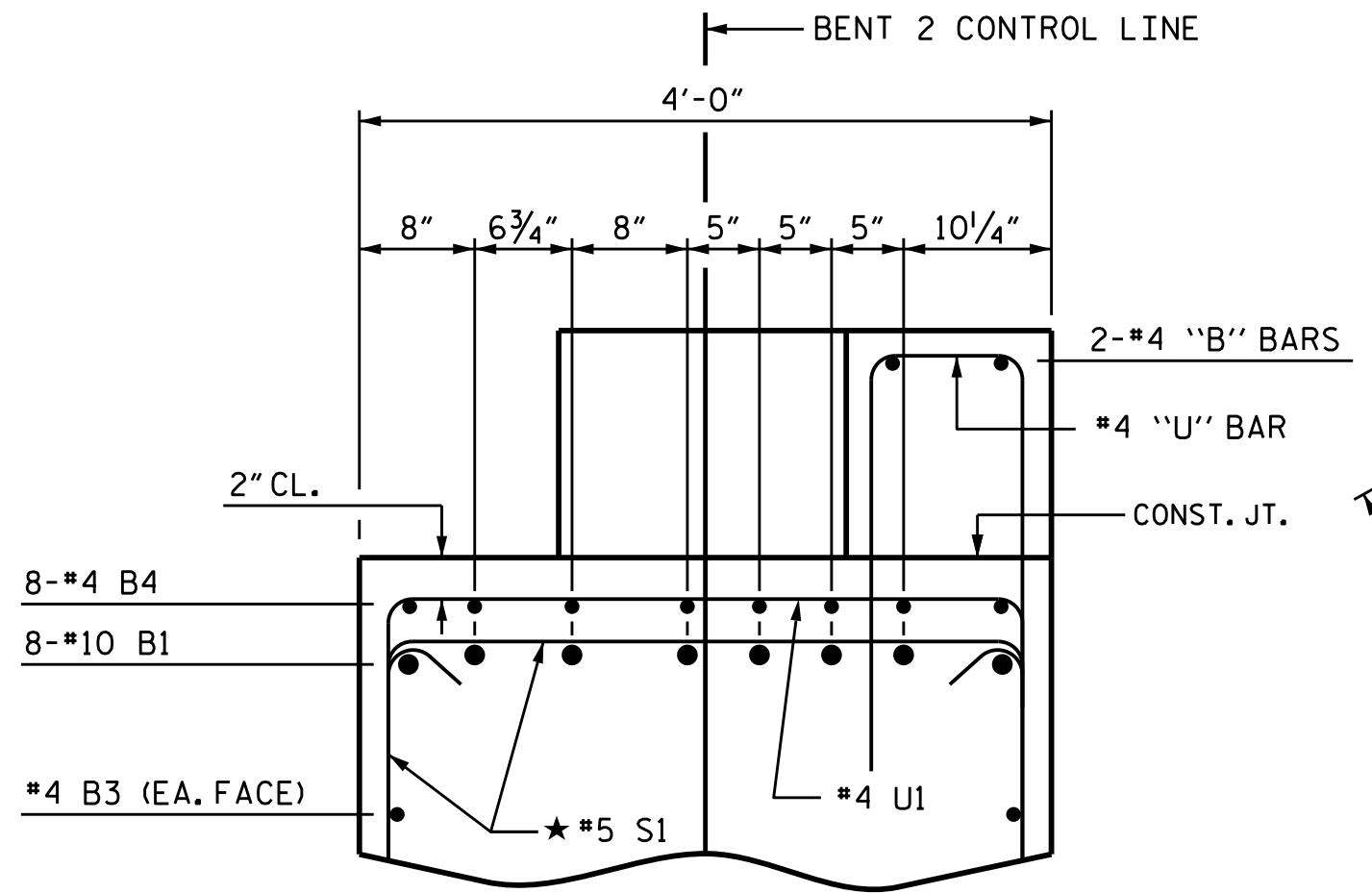
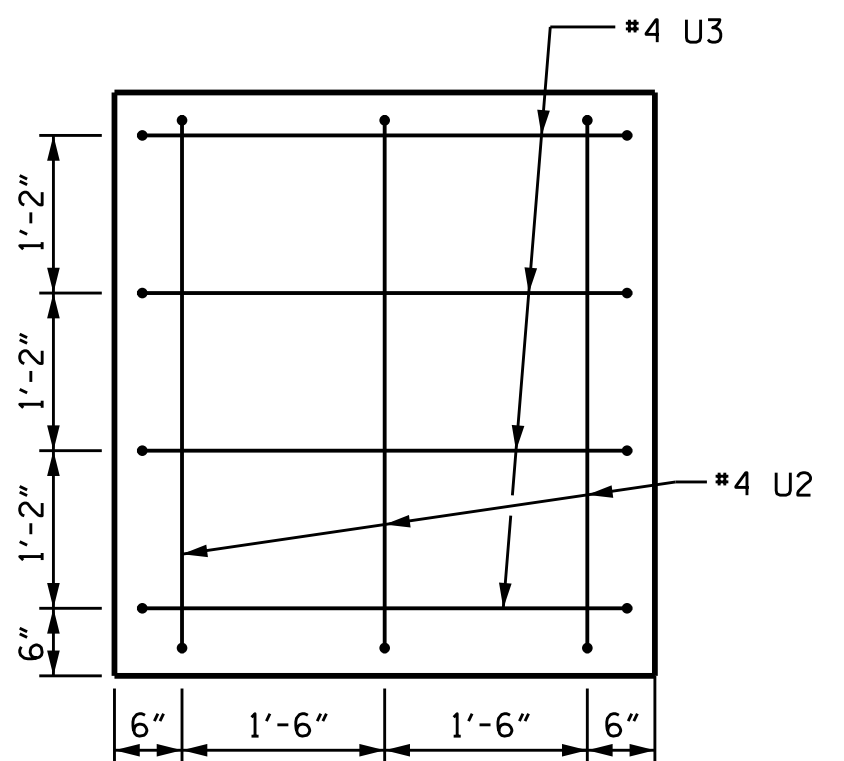


BILL OF MATERIAL					
BENT 2-STAGE III					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	8	#10	1	44'-9"	1,540
B2	8	#10 STR	1	42'-1"	1,449
B3	12	#4 STR	1	22'-3"	178
B4	8	#4 STR	1	16'-9"	90
B5	4	#4 STR	1	3'-5"	9
B6	4	#4 STR	1	3'-0"	8
M1	42	#10	2	9'-9"	1,762
S1	42	#5	3	11'-10"	518
T1	108	#7 STR	1	8'-3"	1,821
T2	54	#6 STR	1	8'-3"	669
U1	41	#4	4	6'-8"	183
U2	3	#4	4	7'-0"	14
U3	10	#4	4	6'-6"	43
U4	4	#4	4	7'-8"	20
U5	4	#4	4	7'-2"	19
U6	4	#4	4	6'-8"	18
U7	4	#4	4	6'-2"	16
V1	42	#10	2	30'-3"	5,467
REINFORCING STEEL					LBS. 13,824
SP-1	3	**	5	922'-0"	1,848
SPIRAL COLUMN REINFORCING STEEL					LBS. 1,848
CLASS A CONCRETE BREAKDOWN:					
POUR #1 (FOOTINGS)	C.Y.	29.8			
POUR #2 (COLUMNS)	C.Y.	21.1			
POUR #3 (CAP)	C.Y.	26.5			
POUR #4 (STEPS)	C.Y.	1.4			
TOTAL CLASS A CONCRETE	C.Y.	78.8			
HP 14X73 STEEL PILES	No. 12	LIN. FT.	540		
FOUNDATION EXCAVATION					LUMP SUM



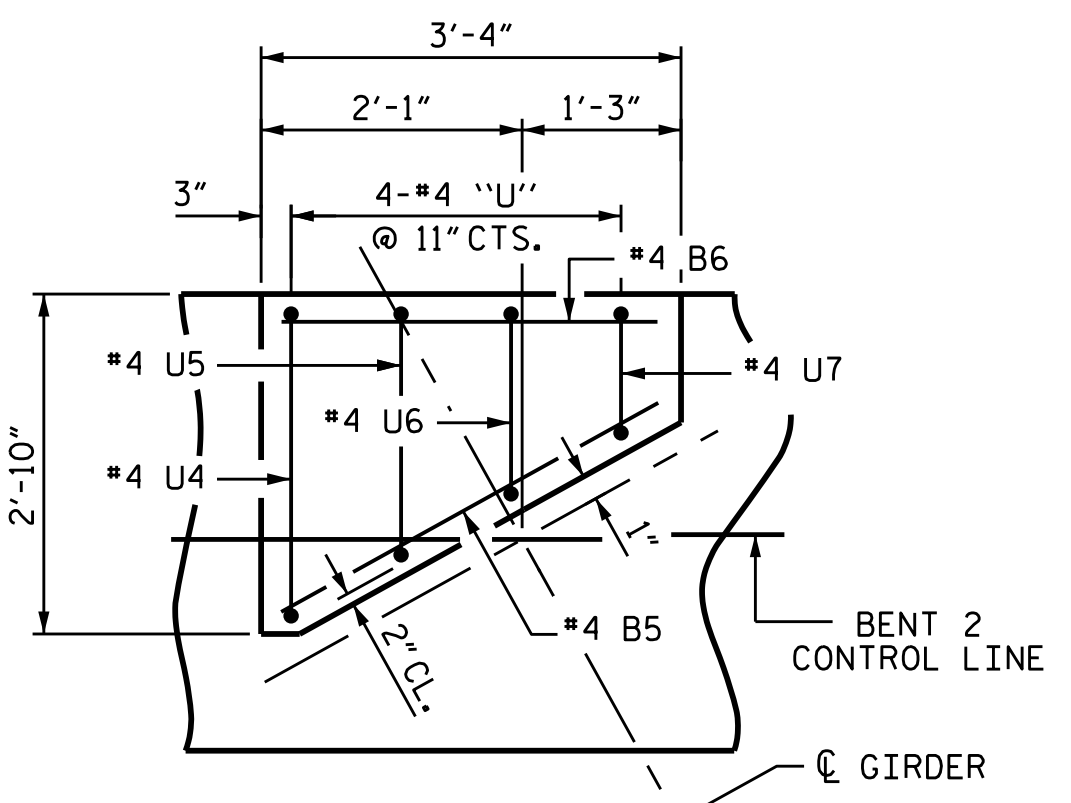
SECTION A-A

★ INVERT ALTERNATE STIRRUPS



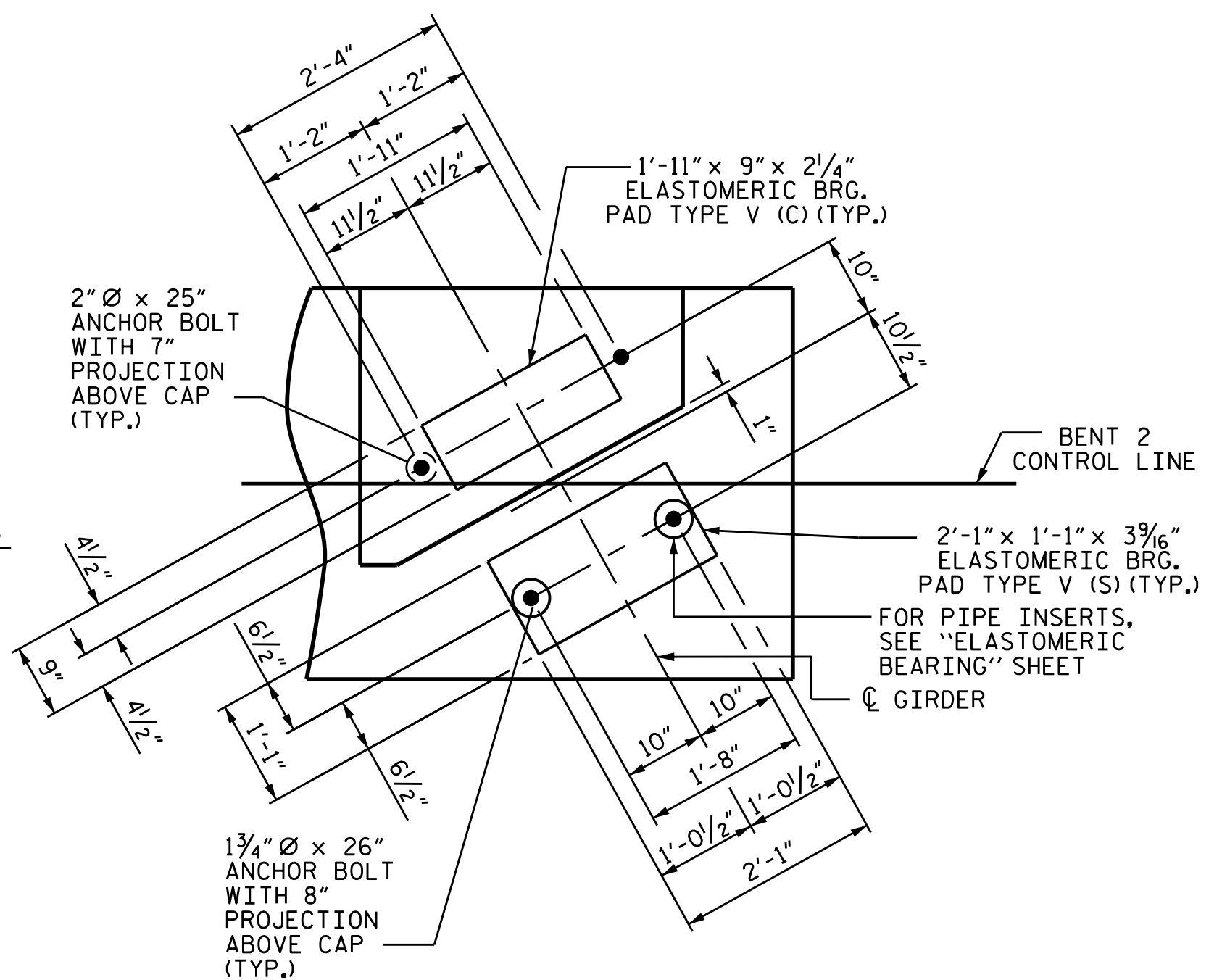
PART SECTION B-B

★ INVERT ALTERNATE STIRRUPS



BRIDGE SEAT DETAIL

(TYP. EA. CONC. GDR. BRIDGE SEAT)

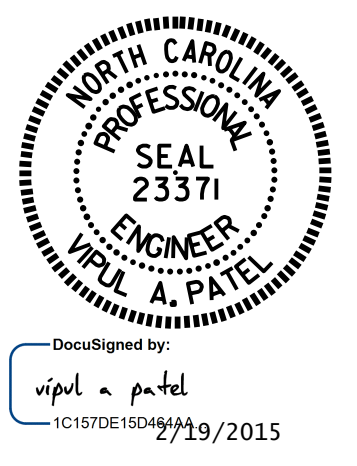


DETAIL "A"

(TYP. EA. BRIDGE SEAT)

PROJECT NO. B-5136
CABARRUS COUNTY
 STATION: 21+74.92 -L-
 SHEET 6 OF 6

STATE OF NORTH CAROLINA					
DEPARTMENT OF TRANSPORTATION					
RALEIGH					
SUBSTRUCTURE					
BENT 2					
STAGE III					
REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		
					S-67
					TOTAL SHEETS
					75



DRAWN BY: T. H. CARROLL DATE: 10/27/14
 CHECKED BY: V. A. PATEL DATE: 11/4/14
 DESIGN ENGINEER OF RECORD: H.A. LOCKLEAR DATE: 11/4/14