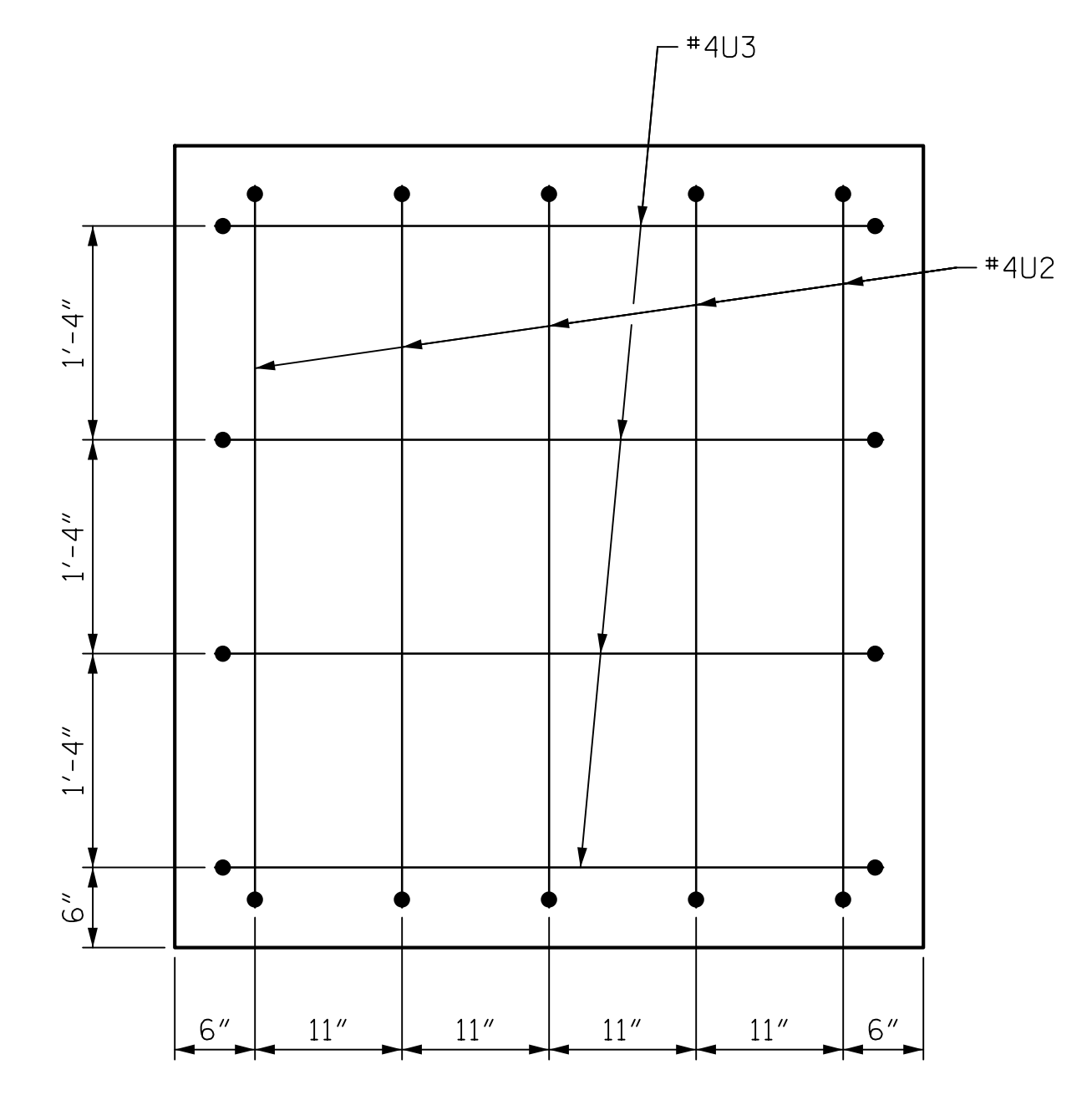
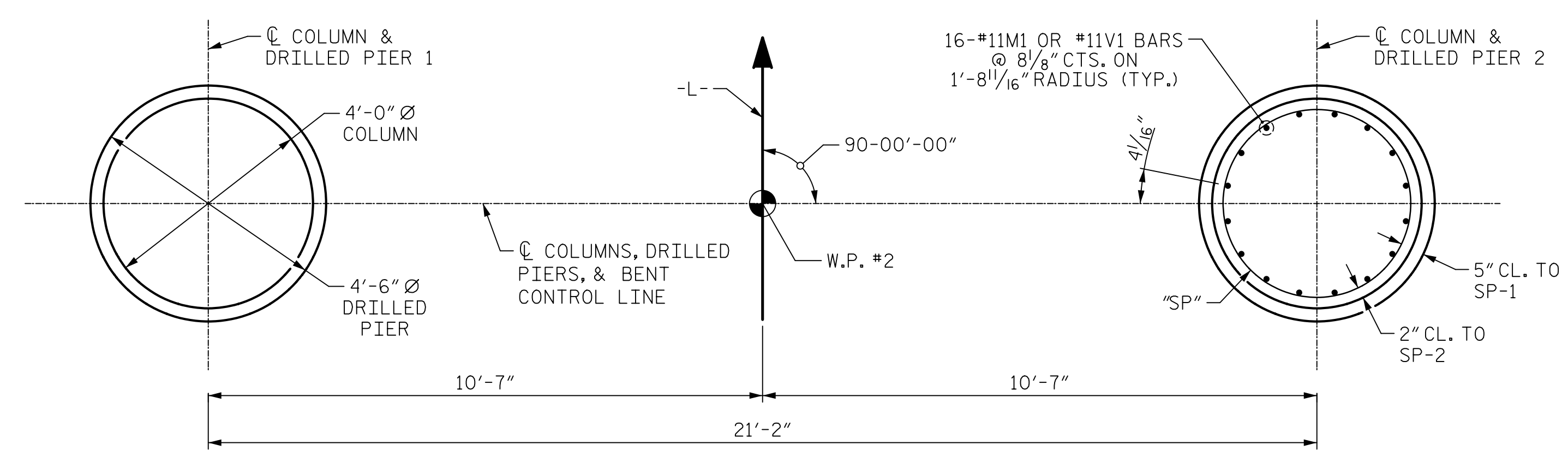


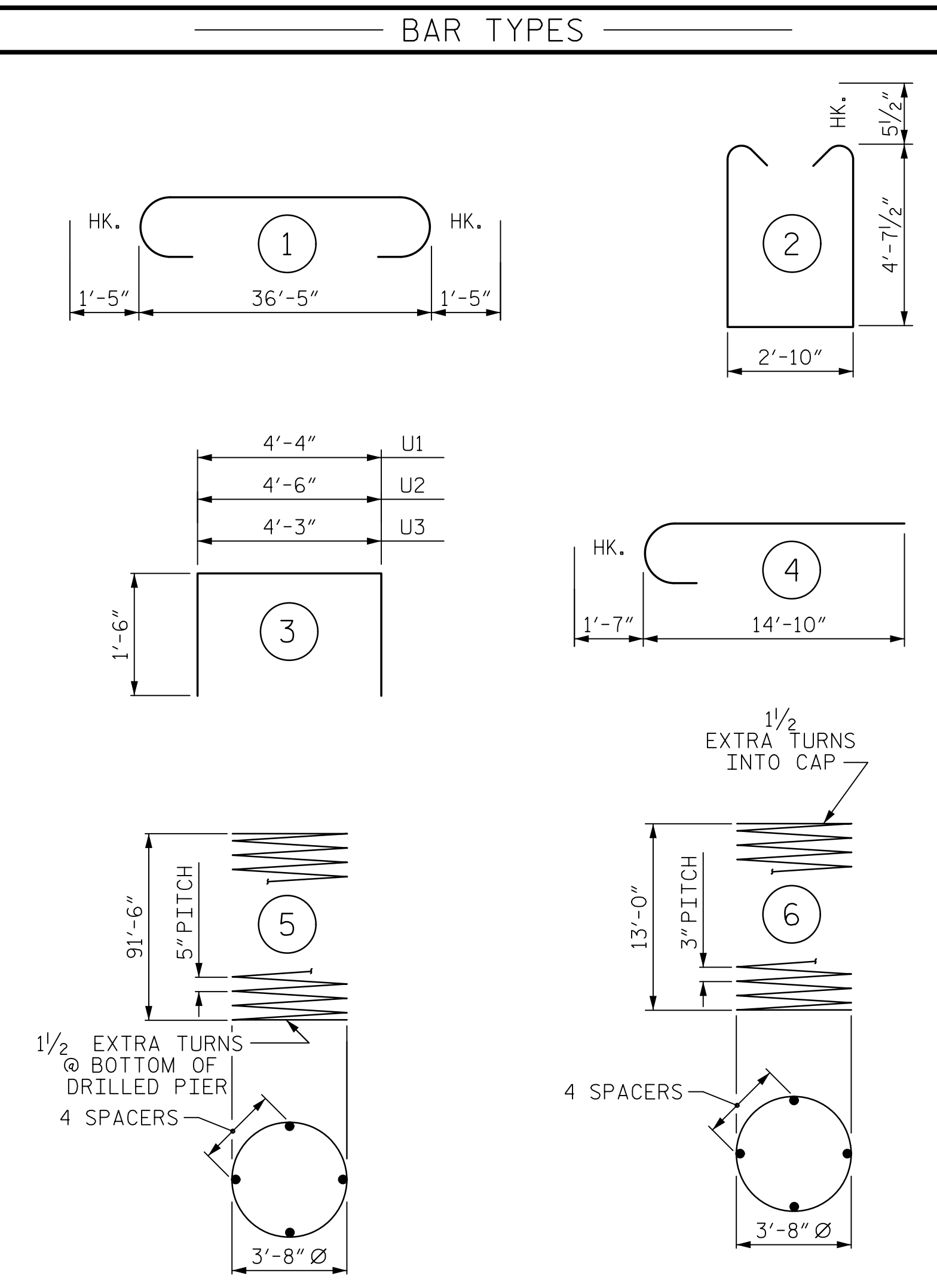
SECTION A-A
* INVERT ALTERNATE STIRRUPS



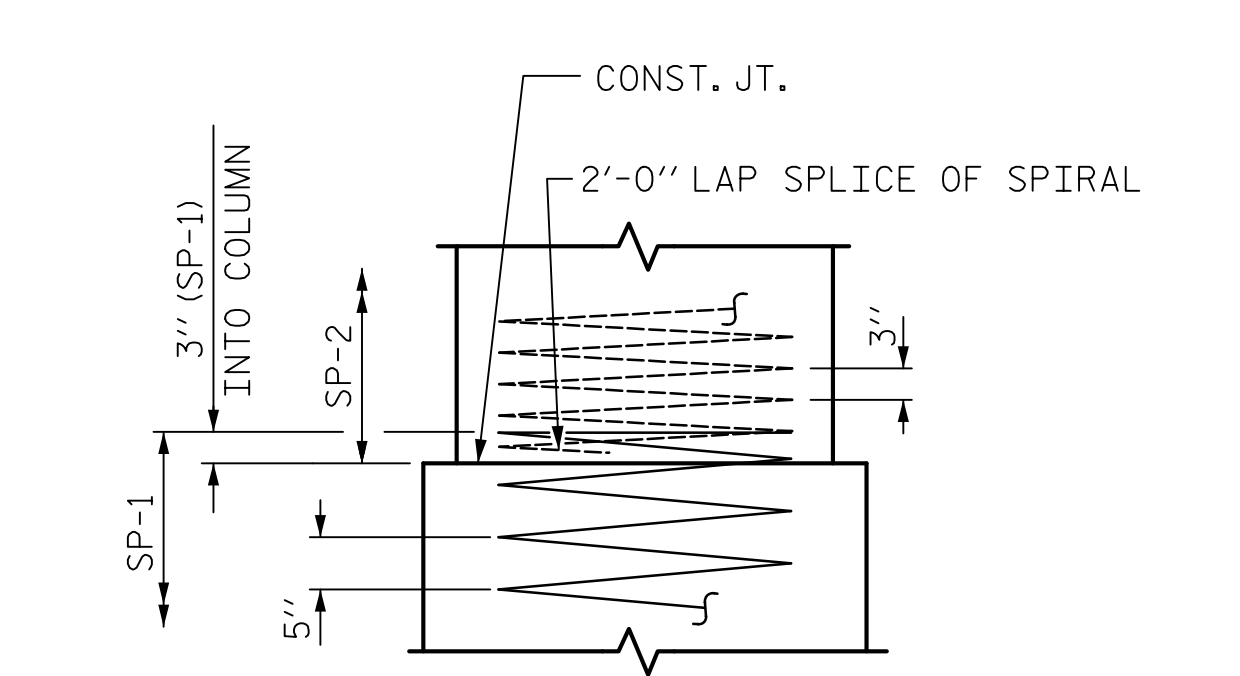
END VIEW
(TYPICAL BOTH ENDS)



PLAN OF DRILLED PIERS & COLUMNS
(DIMENSIONS AND REINFORCING STEEL ARE TYPICAL FOR EACH COLUMN AND DRILLED PIER)



ALL BAR DIMENSIONS ARE OUT TO OUT



CONSTRUCTION JOINT DETAIL

BILL OF MATERIAL

BENT 1

BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	10	#10	1	39'-3"	1689
B2	10	#8	STR	36'-7"	977
B3	20	#6	STR	36'-7"	1099
M1	64	#11	STR	52'-4"	17795
S1	108	#5	2	13'-0"	1464
U1	36	#4	3	7'-4"	176
U2	10	#4	3	7'-6"	50
U3	8	#4	3	7'-3"	39
V1	32	#11	4	16'-5"	2791

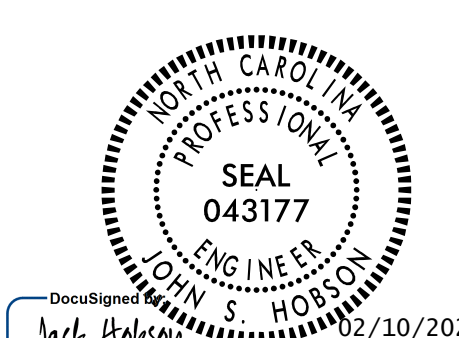
REINFORCING STEEL					26080 LBS.
SP-1	2	*	5	2516'-11"	5250
SP-2	2	**	6	609'-5"	814

SPIRAL COLUMN REINFORCING STEEL					6064 LBS.
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR					
** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR					

CLASS A CONCRETE BREAKDOWN				
POUR #2 (COLUMNS)				11.8 C.Y.
POUR #3 (CAP)				32.5 C.Y.
TOTAL CLASS A CONCRETE				44.3 C.Y.

DRILLED PIERS:				
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)				108.4 C.Y.
4'-6" Ø DRILLED PIERS				184.0 LIN. FT.
PERMANENT STEEL CASING FOR 4'-6" Ø DRILLED PIER				44.0 LIN. FT.
CSL TUBES				748.0 LIN. FT.
CSL TESTING				1 EA.

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PROJECT NO. B-5619
LENOIR COUNTY
STATION: 30+80.00 -L-
SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
SUBSTRUCTURE
BENT 1

DRAWN BY : J.S. HOBSON DATE : 10/22/20
CHECKED BY : J.A. BOYER DATE : 12/10/20
DESIGN ENGINEER OF RECORD : J.S. HOBSON DATE : 02/09/21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-30
1			3			TOTAL SHEETS
2			4			40