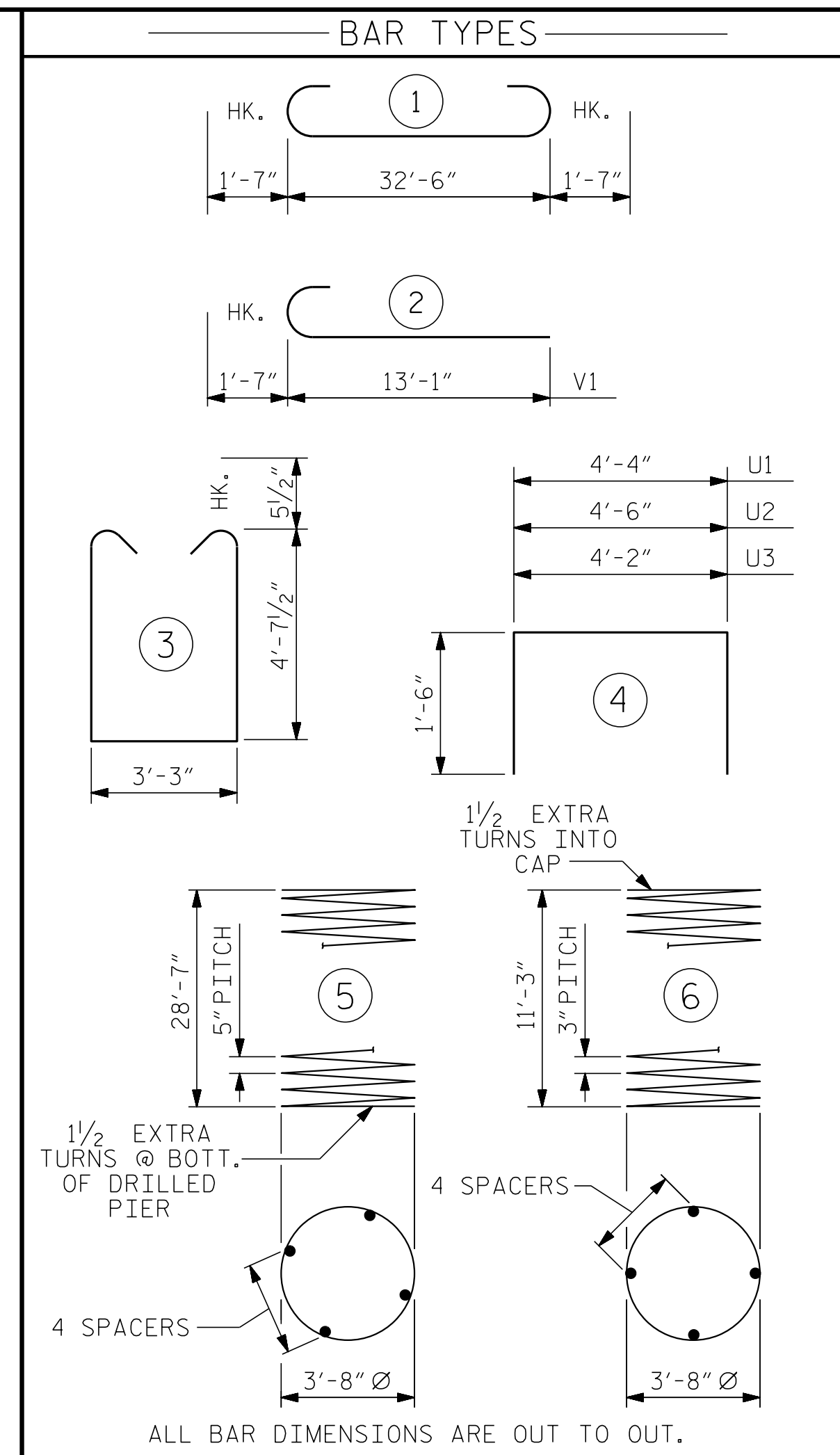
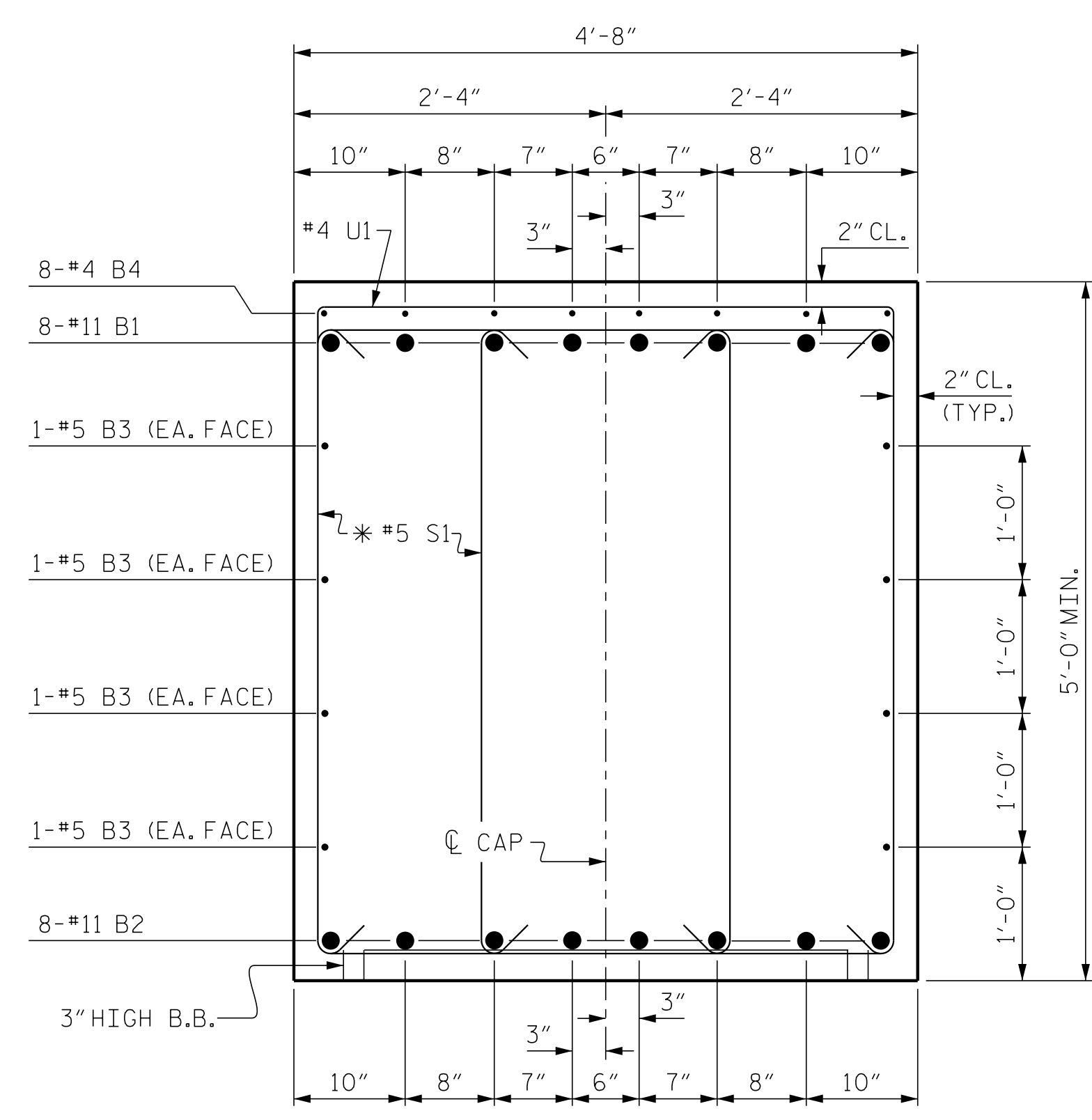


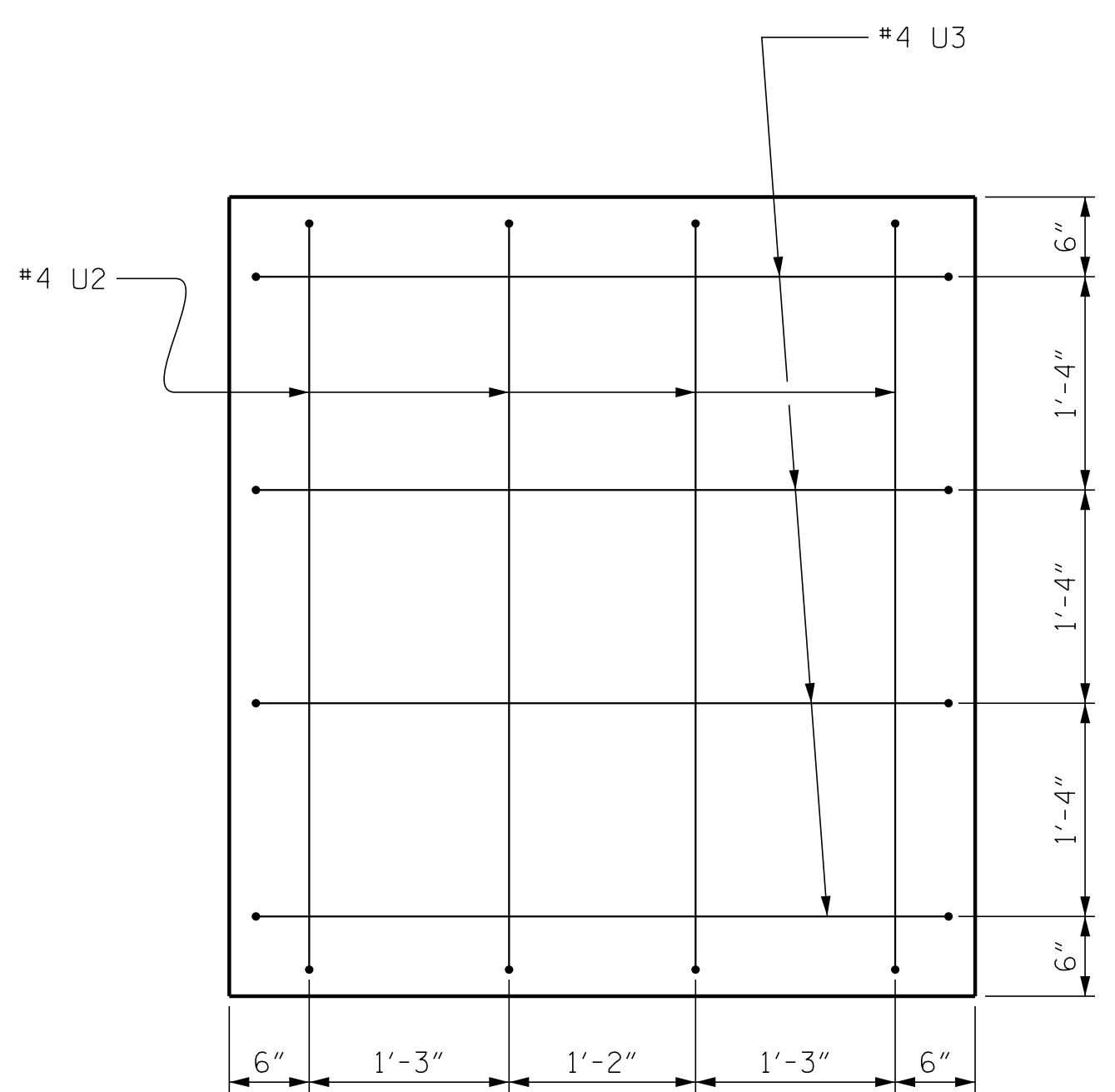
PLAN OF COLUMNS AND DRILLED PIERS



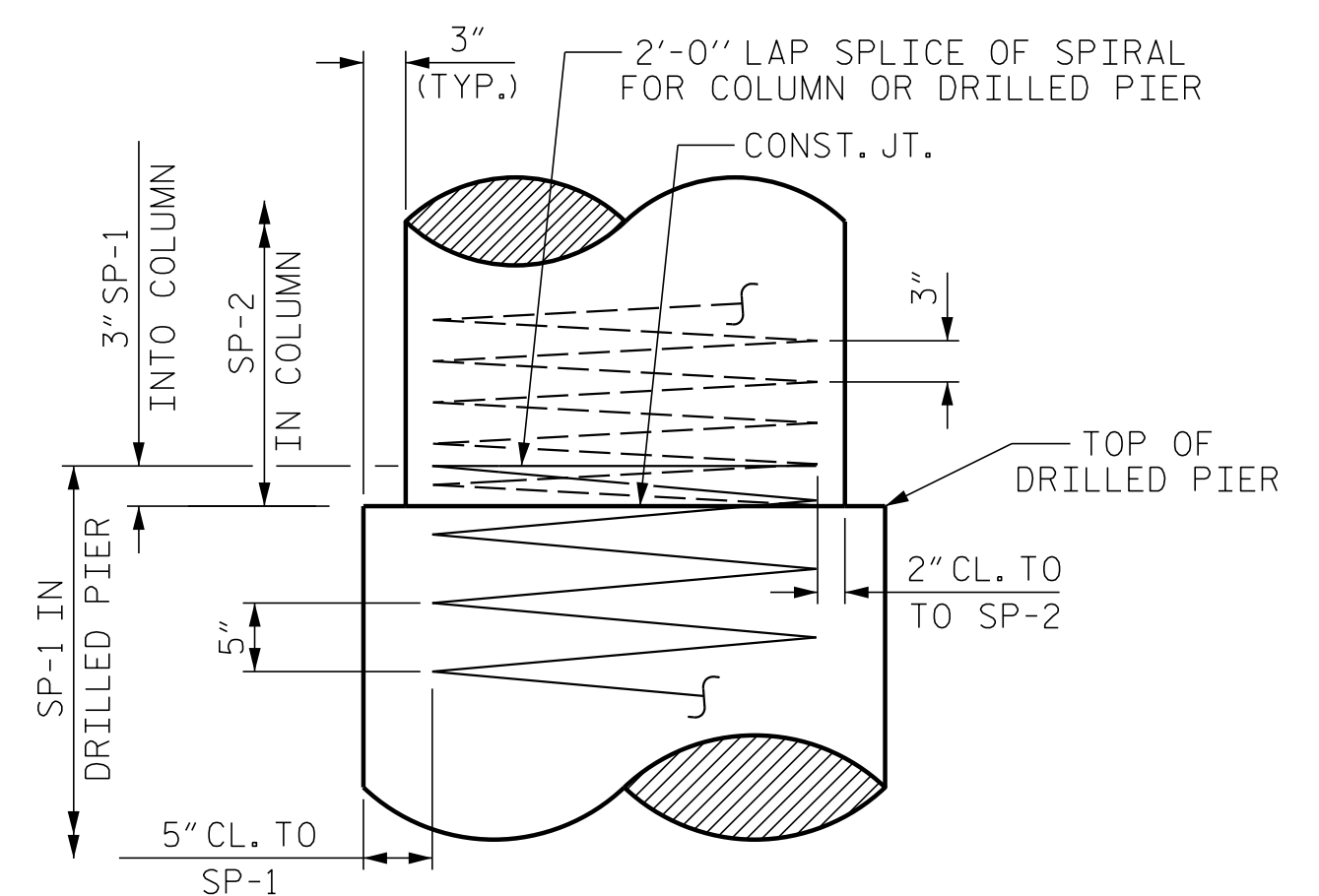
BILL OF MATERIAL					
BENT #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	8	#11	1	35'-8"	1516
B2	8	#11	STR	32'-8"	1388
B3	8	#5	STR	32'-8"	273
B4	8	#4	STR	14'-2"	76
M1	24	#11	STR	36'-8"	4675
S1	120	#5	3	13'-5"	1679
U1	35	#4	4	7'-4"	171
U2	8	#4	4	7'-6"	40
U3	8	#4	4	7'-2"	38
V1	24	#11	2	14'-8"	1870
TOTAL REINFORCING STEEL LBS.					11,726
SP-1	2	*	5	798'-4"	1,665
SP-2	2	**	6	529'-9"	708
SPIRAL COLUMN REINFORCING STEEL LBS.					2,373
* THIS "SP" SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
** THIS "SP" 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)					10.2 C.Y.
POUR #3 (BENT CAP)					29.1 C.Y.
TOTAL					39.3 C.Y.
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE POUR #1 (DRILLED PIERS)					34.3 C.Y.
4'-6" DIA. DRILLED PIERS IN SOIL					20.17 LIN. FT.
4'-6" DIA. DRILLED PIERS NOT IN SOIL					38 LIN. FT.
CSL TUBES					244.67 LIN. FT.



SECTION A-A
* INVERT ALTERNATE STIRRUPS



END OF CAP VIEW
(TYP. EA. END)

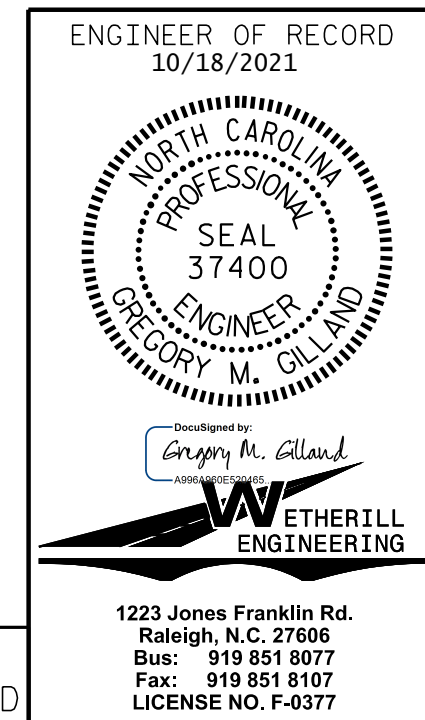


CONSTRUCTION JOINT DETAIL
(TYP. EA. DRILLED PIER)

NOTES :

- 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.
- ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR "REINFORCING STEEL" AND "SPIRAL COLUMN REINFORCING STEEL".
- THE LOCATION OF THE CONSTRUCTION JOINT IN THE DRILLED PIERS ARE BASED ON AN APPROXIMATE GROUND ELEVATION. IF THE CONSTRUCTION JOINT IS ABOVE THE ACTUAL GROUND LINE ELEVATION, THE CONTRACTOR SHALL PLACE THE CONSTRUCTION JOINT 1 FT. BELOW THE GROUND LINE.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.

PROJECT NO. B-5947
NASH COUNTY
 STATION: 23+90.50 -LREV-
 SHEET 2 OF 2



STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH					
SUBSTRUCTURE BENT No. 1					
REVISIONS					
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

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DRAWN BY: G. GILLAND DATE: 4-21
 CHECKED BY: D. HODGE DATE: 8-21

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

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 LICENSE NO. F-0377

SHEET NO.
 S-31
 TOTAL SHEETS
 39