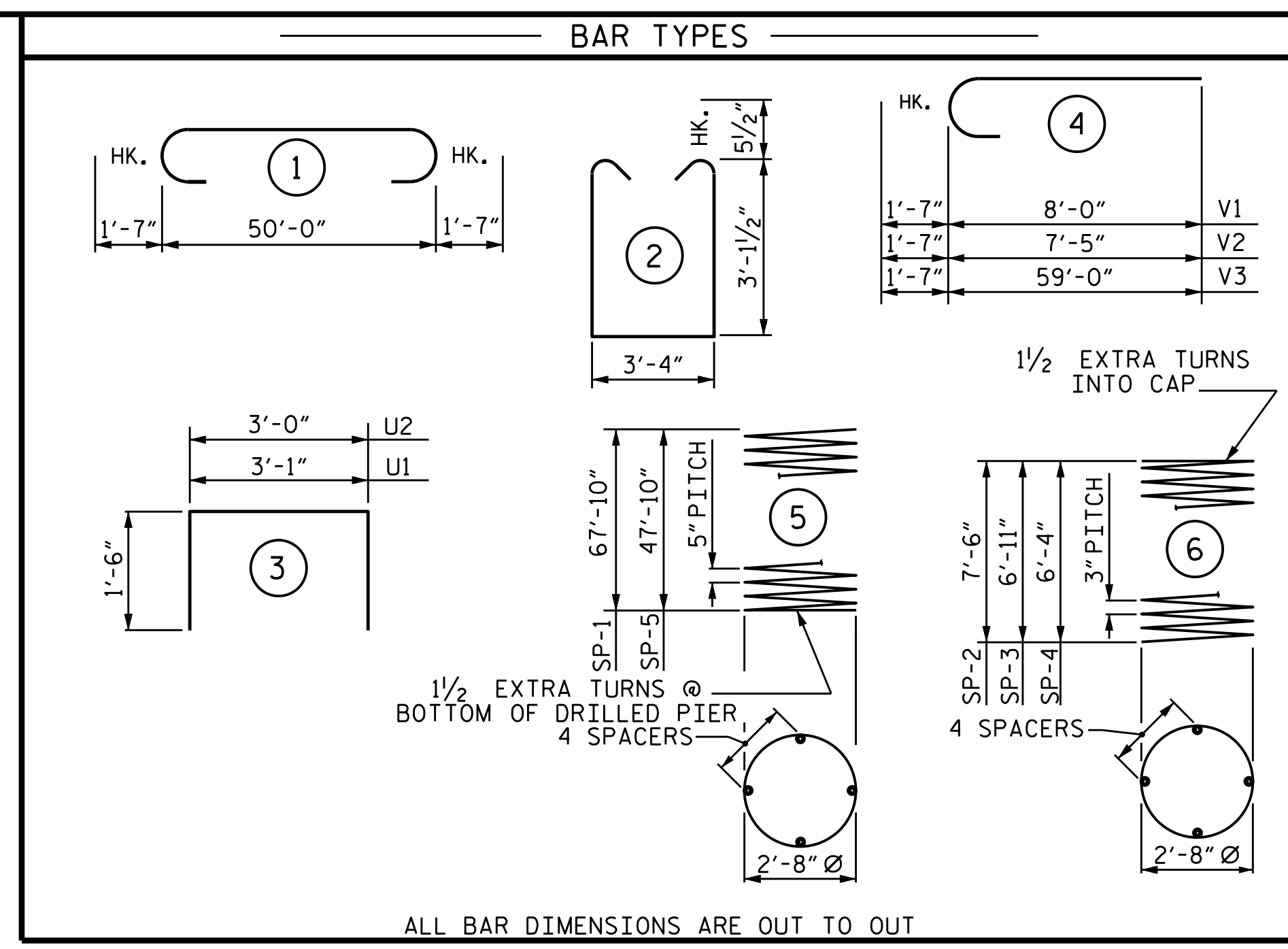


PLAN OF DRILLED PIERS & COLUMNS

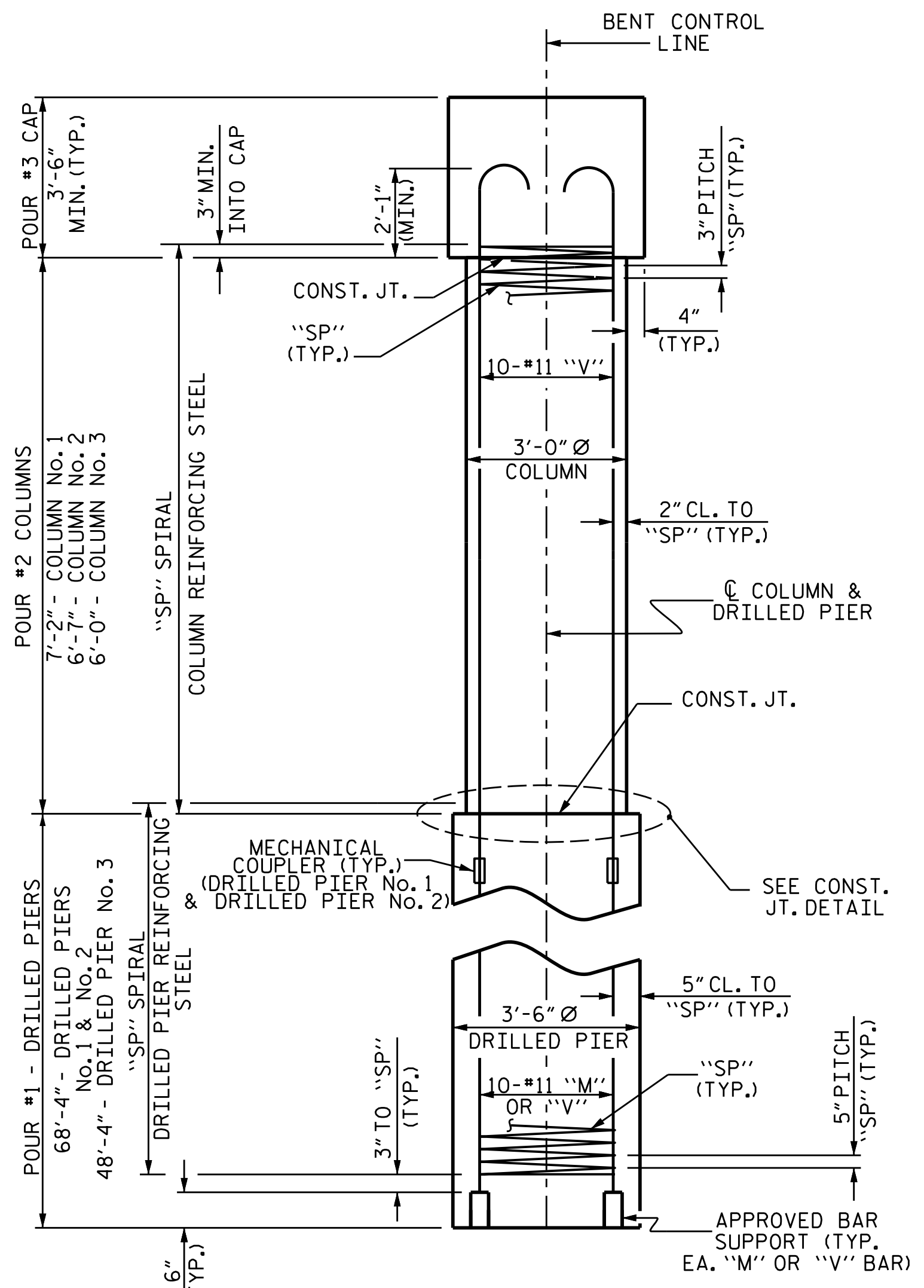


ALL BAR DIMENSIONS ARE OUT TO OUT

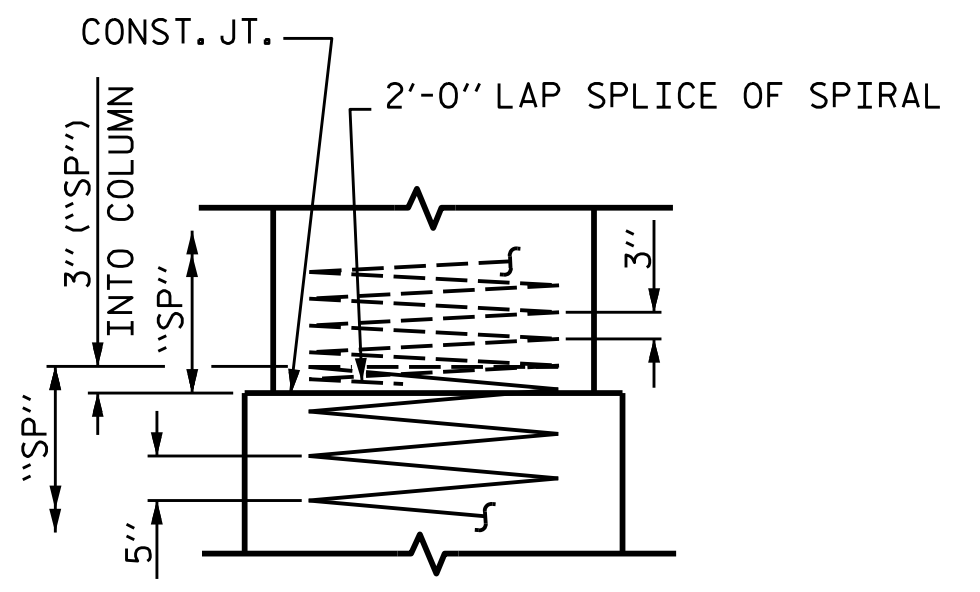
BILL OF MATERIAL					
BENT No. 3					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	#7	#11	1	53'-2"	1977
B2	#6	#5	STR	50'-2"	314
B3	#7	#11	STR	50'-2"	1866
D1	64	#6	STR	1'-6"	144
M1	20	#11	STR	25'-0"	2657
M2	20	#11	STR	47'-2"	5012
S1	72	#5	2	10'-6"	789
U1	6	#4	3	6'-1"	24
U2	8	#4	3	6'-0"	32
V1	10	#11	4	9'-7"	509
V2	10	#11	4	9'-0"	478
V3	10	#11	4	60'-7"	3219
REINFORCING STEEL				17021	LBS.
SP-1	2	*	5	1353'-0"	2822
SP-2	1	**	6	259'-11"	174
SP-3	1	**	6	239'-4"	160
SP-4	1	**	6	220'-9"	147
SP-5	1	*	5	958'-2"	999
SPIRAL COLUMN REINFORCING STEEL				4302	LBS.

* THE SP-1 & SP-5 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR

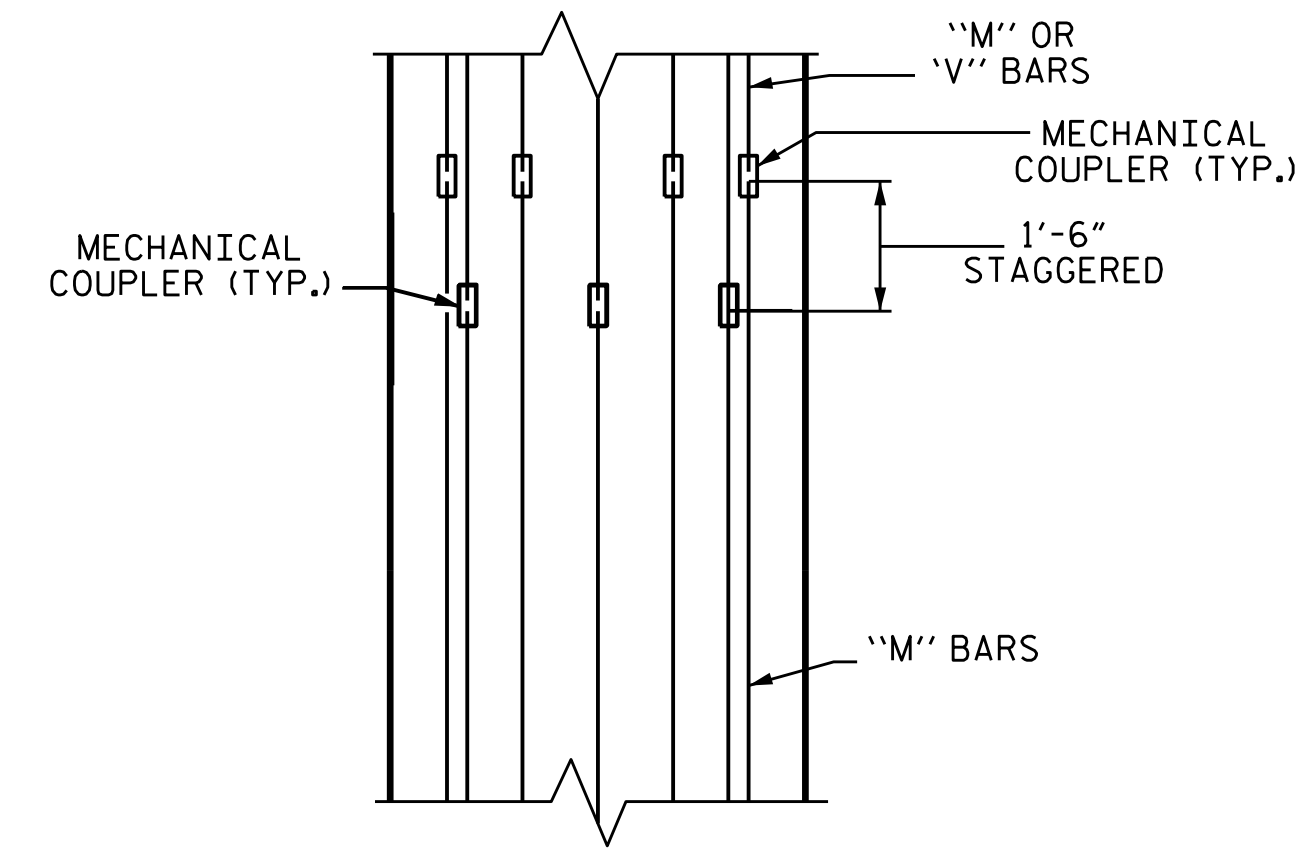
** THE SP-2 THRU SP-4 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR



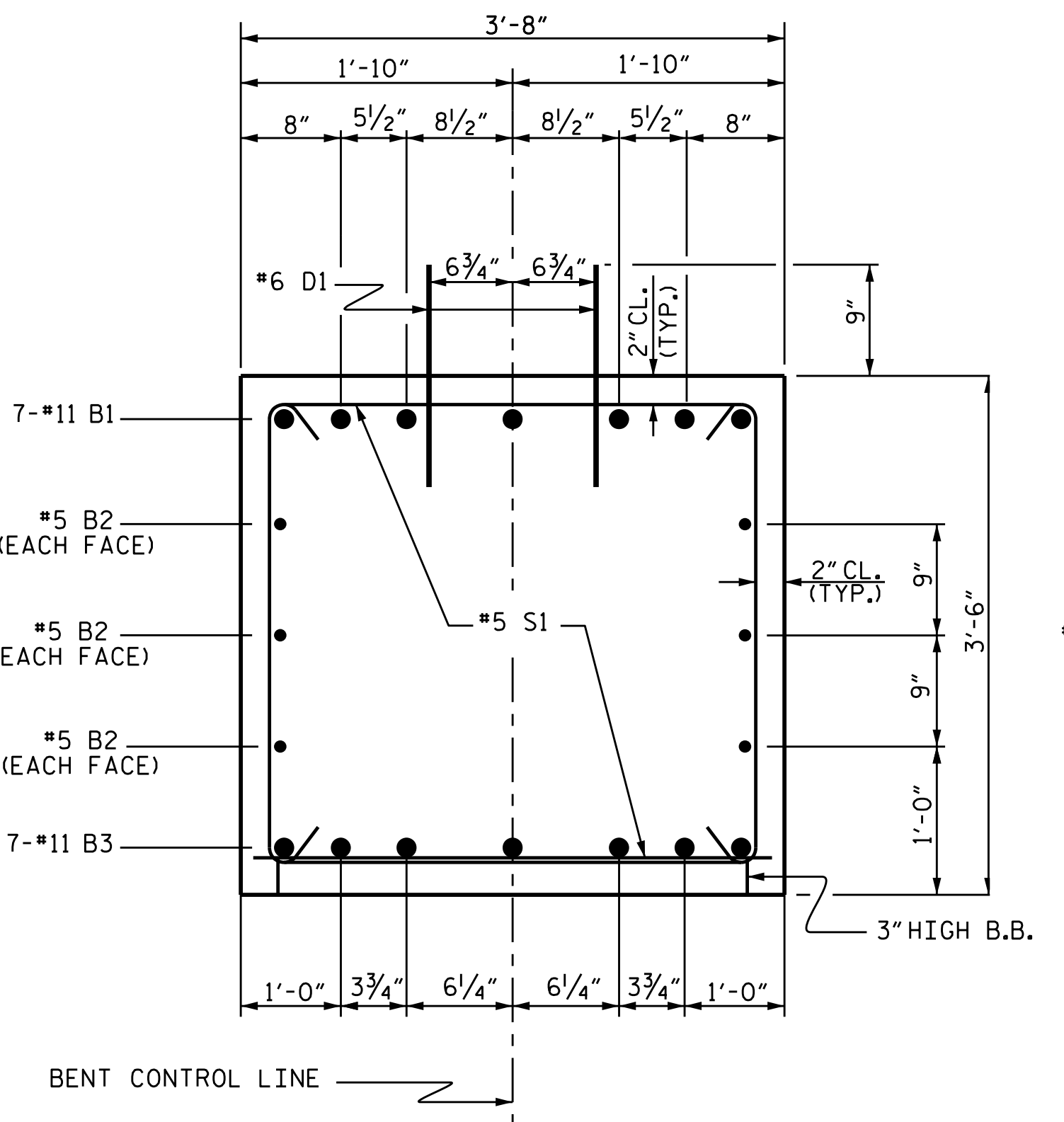
END ELEVATION



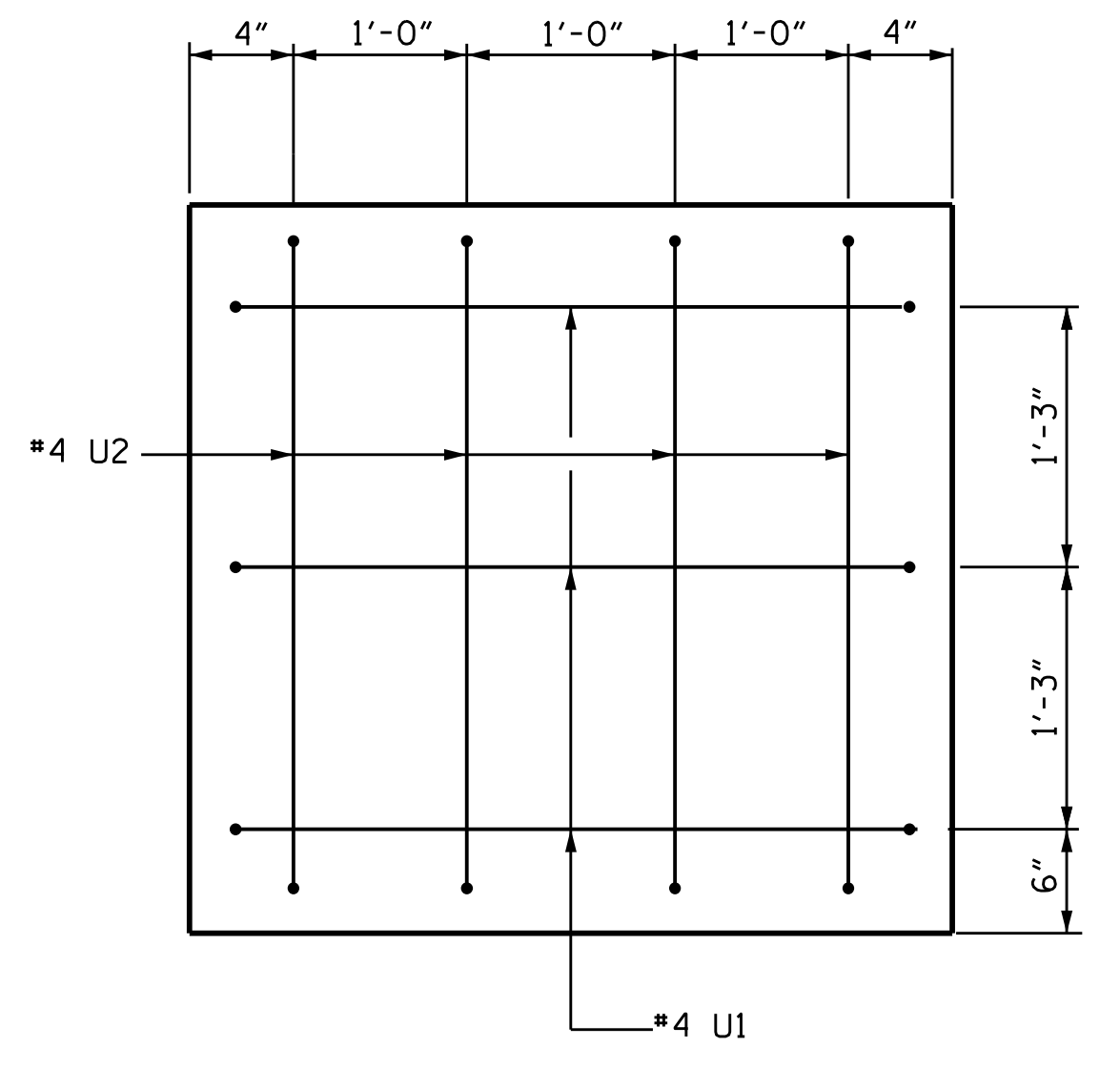
CONSTRUCTION JOINT DETAIL



MECHANICAL COUPLER STAGGER DETAIL



SECTION A-A



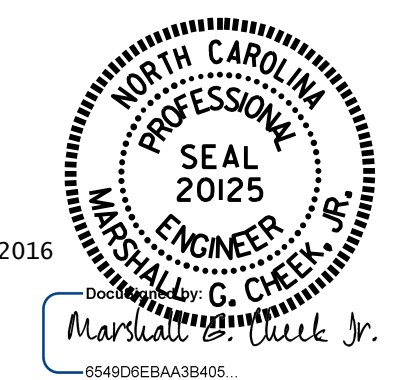
END OF CAP VIEW
TYPICAL BOTH ENDS

PROJECT NO. B-5125
MACON COUNTY
 STATION: 13+25.89 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT No. 3



DRAWN BY : M. POOLE DATE : 10-15
 CHECKED BY : B.N. GRADY DATE : 3-16
 DESIGN ENGINEER OF RECORD: W.J. HARRIS DATE : 5-16

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			S-33
2			4			43