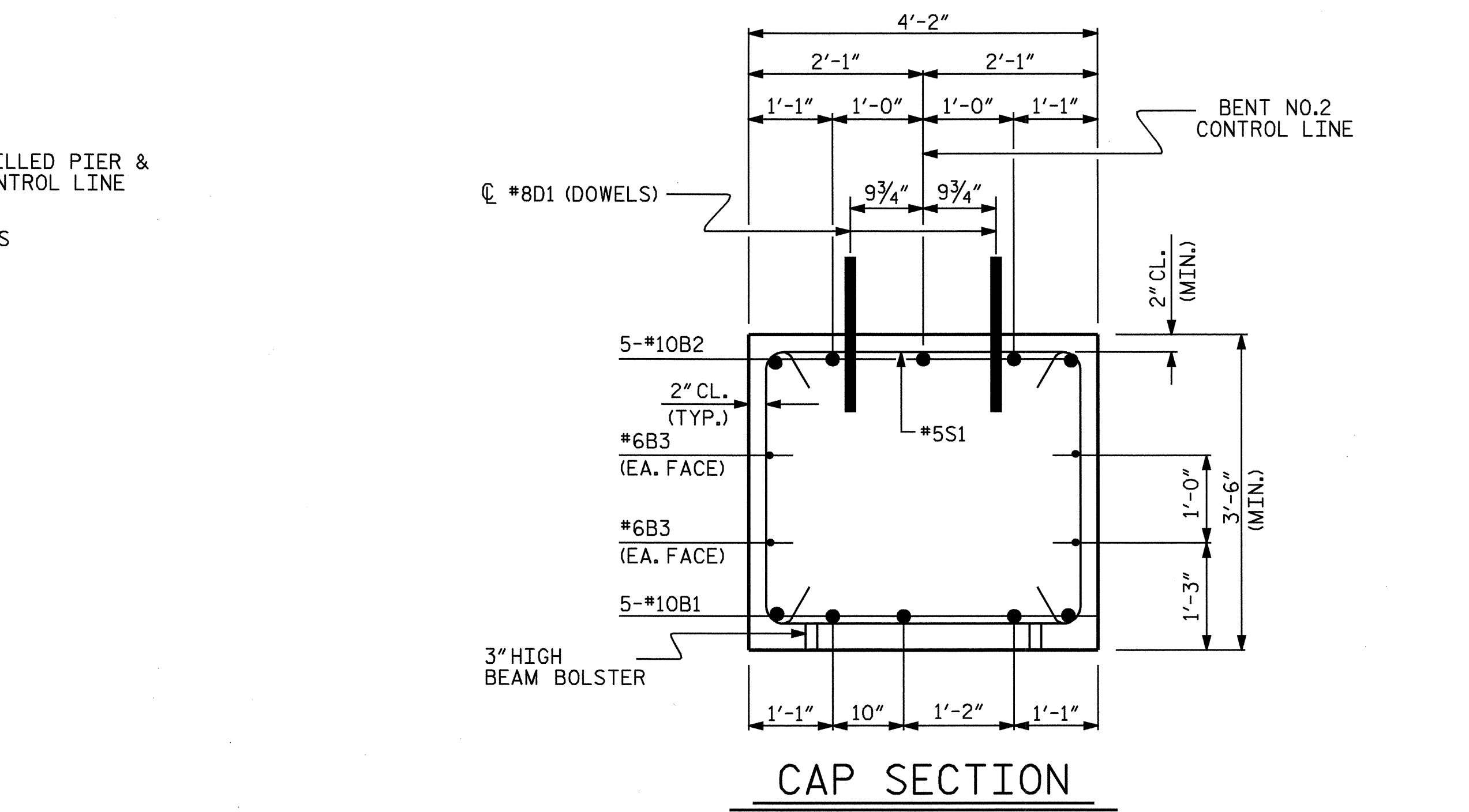
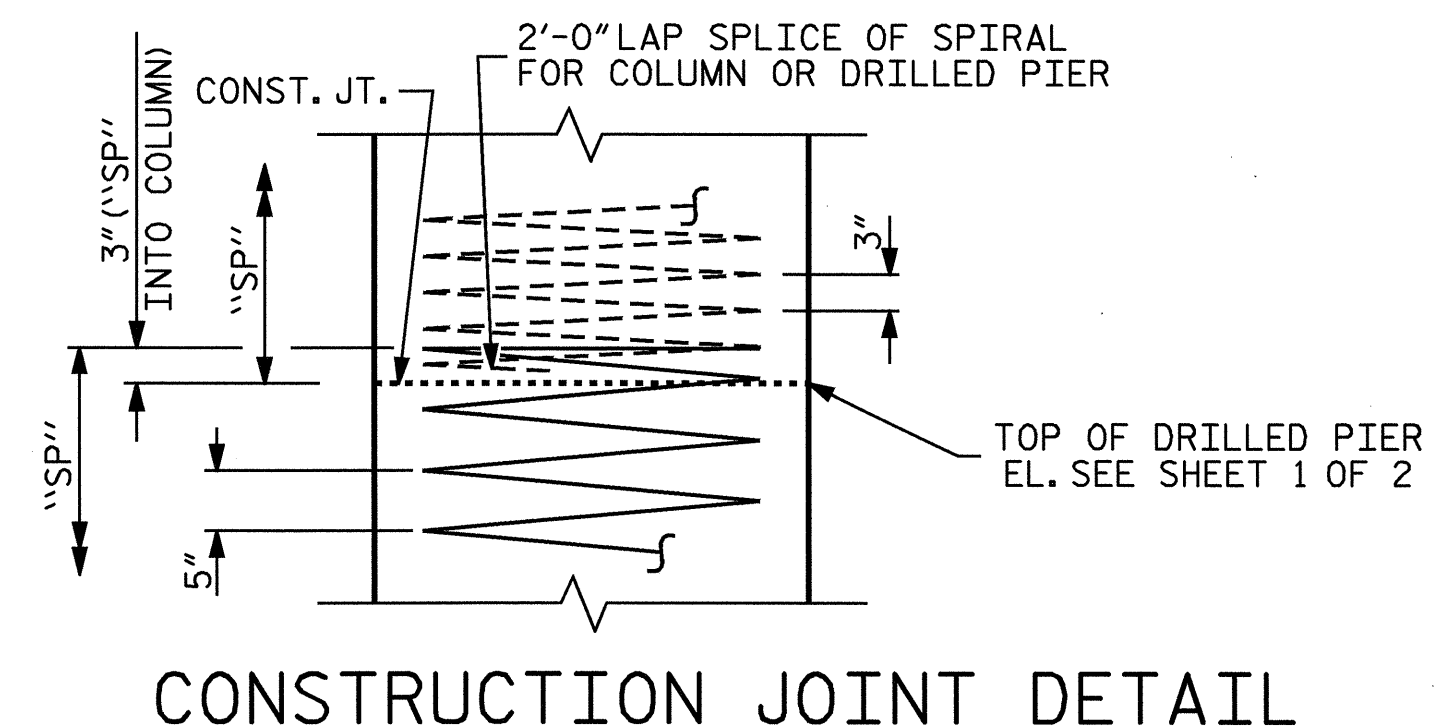


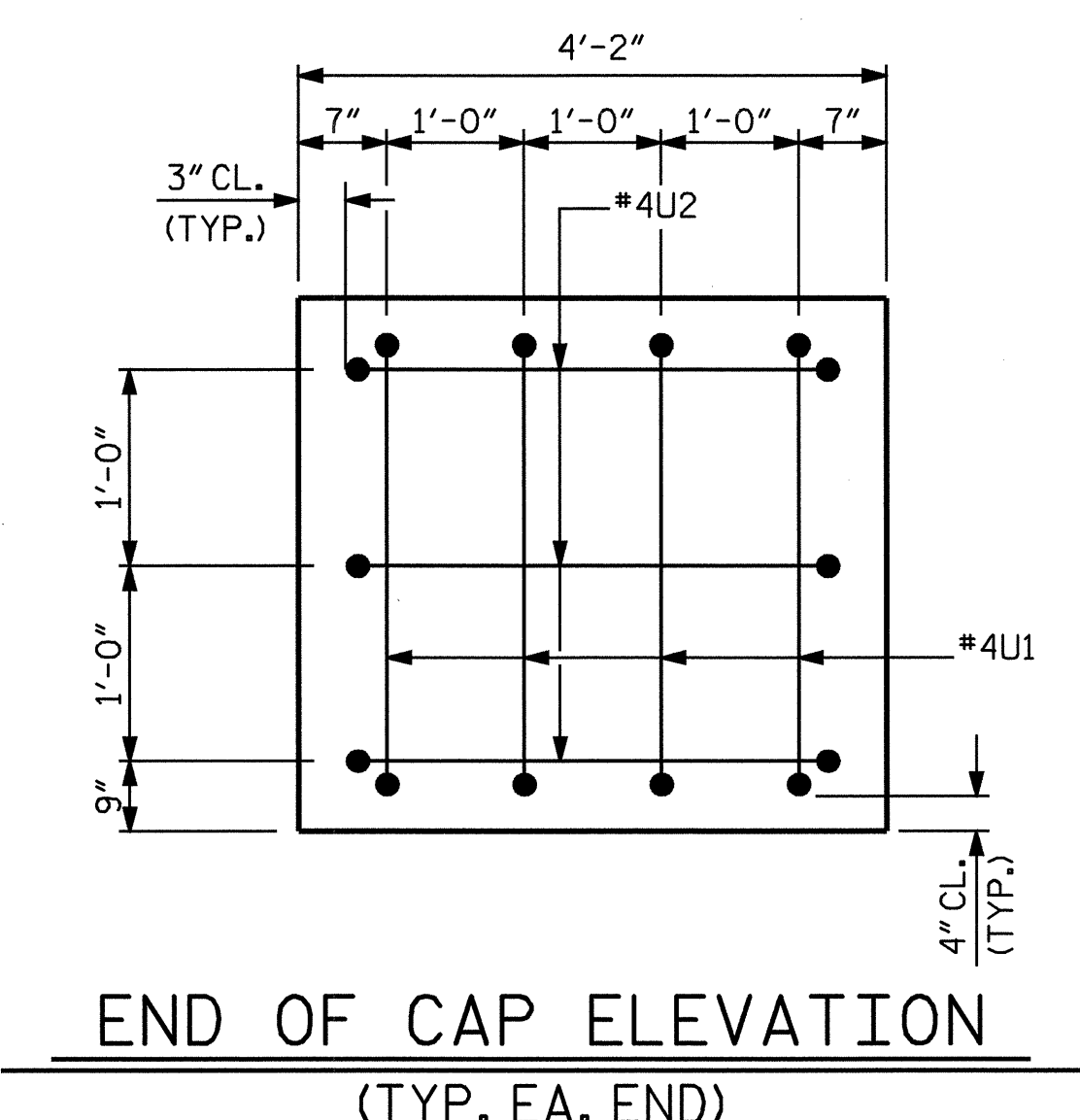
END ELEVATION



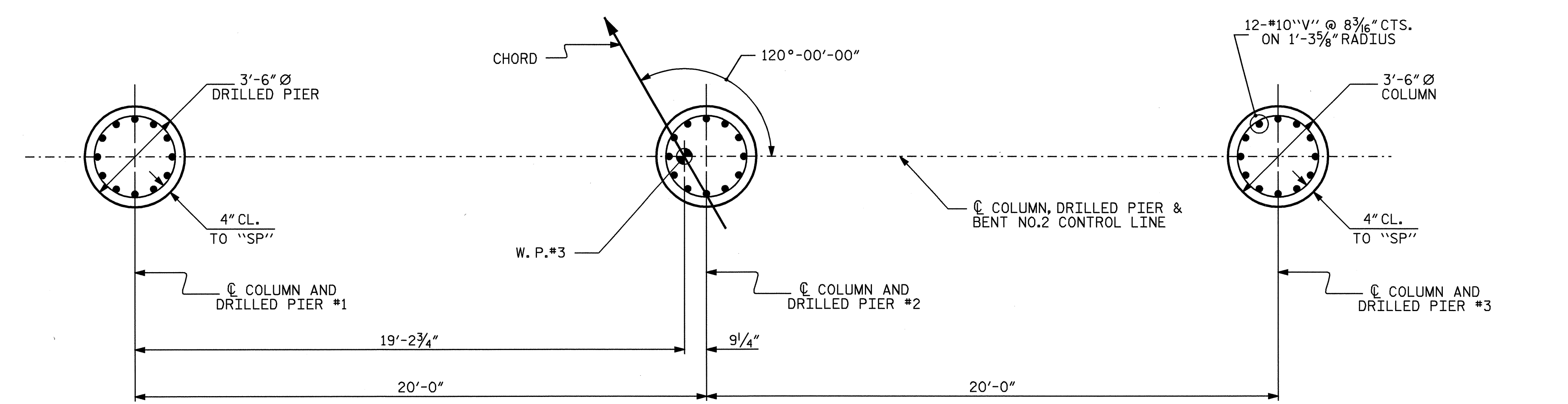
CAP SECTION



CONSTRUCTION JOINT DETAIL



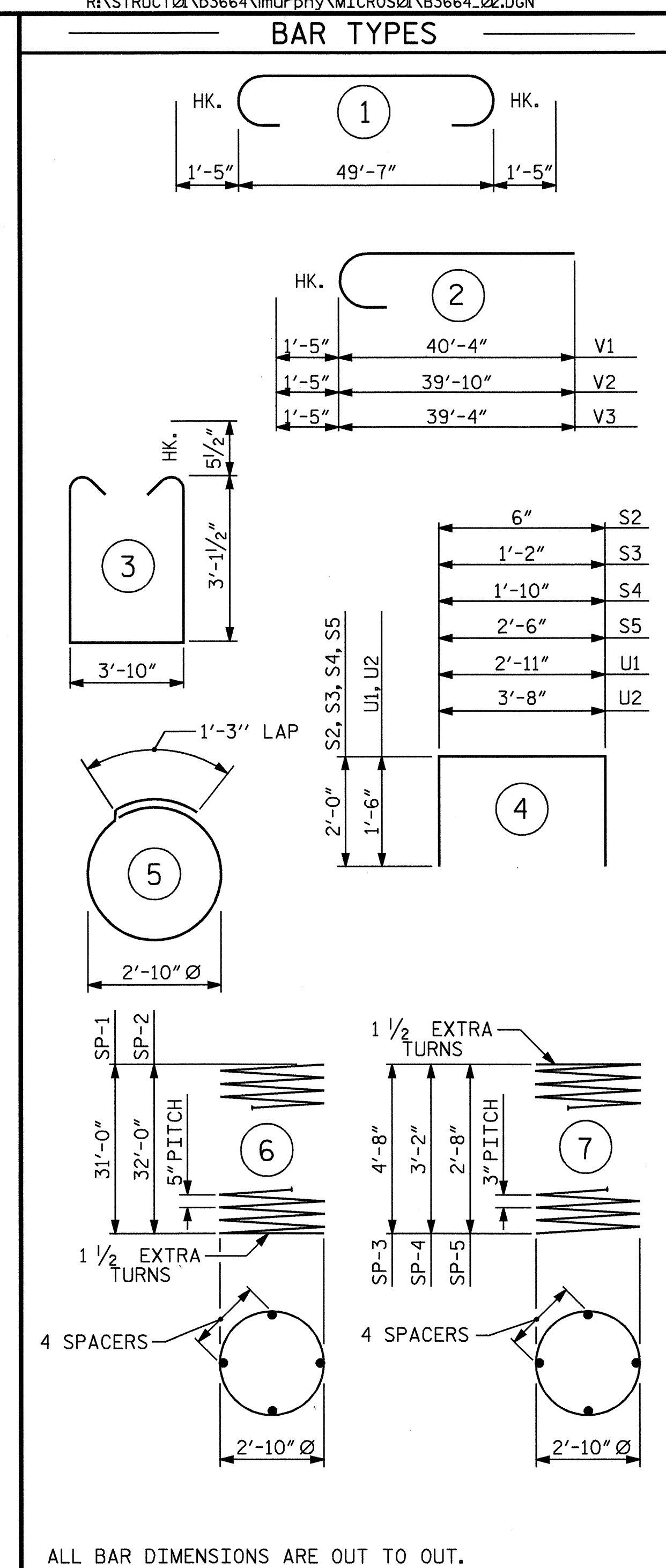
END OF CAP ELEVATION (TYP. EA. END)



PLAN OF DRILLED PIERS AND COLUMNS

REINFORCING STEEL AND DIMENSIONS TYPICAL FOR ALL DRILLED PIERS AND COLUMNS

DRAWN BY : L.L. MURPHY DATE : 04-05
 CHECKED BY : D. HODGE DATE : 05/05



ALL BAR DIMENSIONS ARE OUT TO OUT.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH 3 FEET OF EXTRA LENGTH.

BILL OF MATERIAL					
BENT NO. 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	5	#10	STR	49'-8"	1069
B2	5	#10	1	52'-5"	1128
B3	4	#6	STR	49'-8"	298
B4	2	#4	STR	3'-10"	5
B5	2	#4	STR	4'-5"	6
D1	52	#8	STR	2'-3"	312
S1	46	#5	3	11'-0"	528
S2	2	#4	4	4'-6"	6
S3	2	#4	4	5'-2"	7
S4	2	#4	4	5'-10"	8
S5	2	#4	4	6'-6"	9
T1	15	#4	5	10'-2"	102
U1	8	#4	4	5'-11"	32
U2	6	#4	4	6'-8"	27
V1	12	#10	2	41'-9"	2156
V2	12	#10	2	41'-3"	2130
V3	12	#10	2	40'-9"	2104
SP-1	1	**	6	664'-0"	693
SP-2	2	**	6	685'-0"	1429
SP-3	1	***	7	177'-0"	118
SP-4	1	***	7	124'-4"	83
SP-5	1	***	7	106'-9"	71
REINFORCING STEEL					= 9927 LBS
SPIRAL REINFORCING STEEL					= 2394 LBS
* THE SP-1, & SP-2 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR.					
*** THE SP-3, SP-4, & SP-5 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR.					
DRILLED PIER QUANTITIES					
DRILLED PIER CONCRETE					
POUR #1 (DRILLED PIERS)					34.4 C.Y.
CLASS "A" CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)					3.4 C.Y.
POUR #3 (CAP)					27.0 C.Y.
POUR #4 (LATERAL GUIDES)					0.3 C.Y.
TOTAL					30.7 C.Y.
3'-6" Ø DRILLED PIERS IN SOIL					
					78.50 LIN. FT.
3'-6" Ø DRILLED PIERS NOT IN SOIL					
					18.00 LIN. FT.
3'-6" Ø PERMANENT STEEL CASING					
					45.28 LIN. FT.
SID INSPECTION					1 EA.
SPT TESTING					1 EA.
CROSSHOLE SONIC LOGGING					1 EA.
CSL TUBES					416 LIN. FT.

PROJECT NO. B-3664
 HENDERSON COUNTY
 STATION: 20+95.00-L-

SHEET 2 OF 2



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

SHEET NO. S-20
 TOTAL SHEETS 27