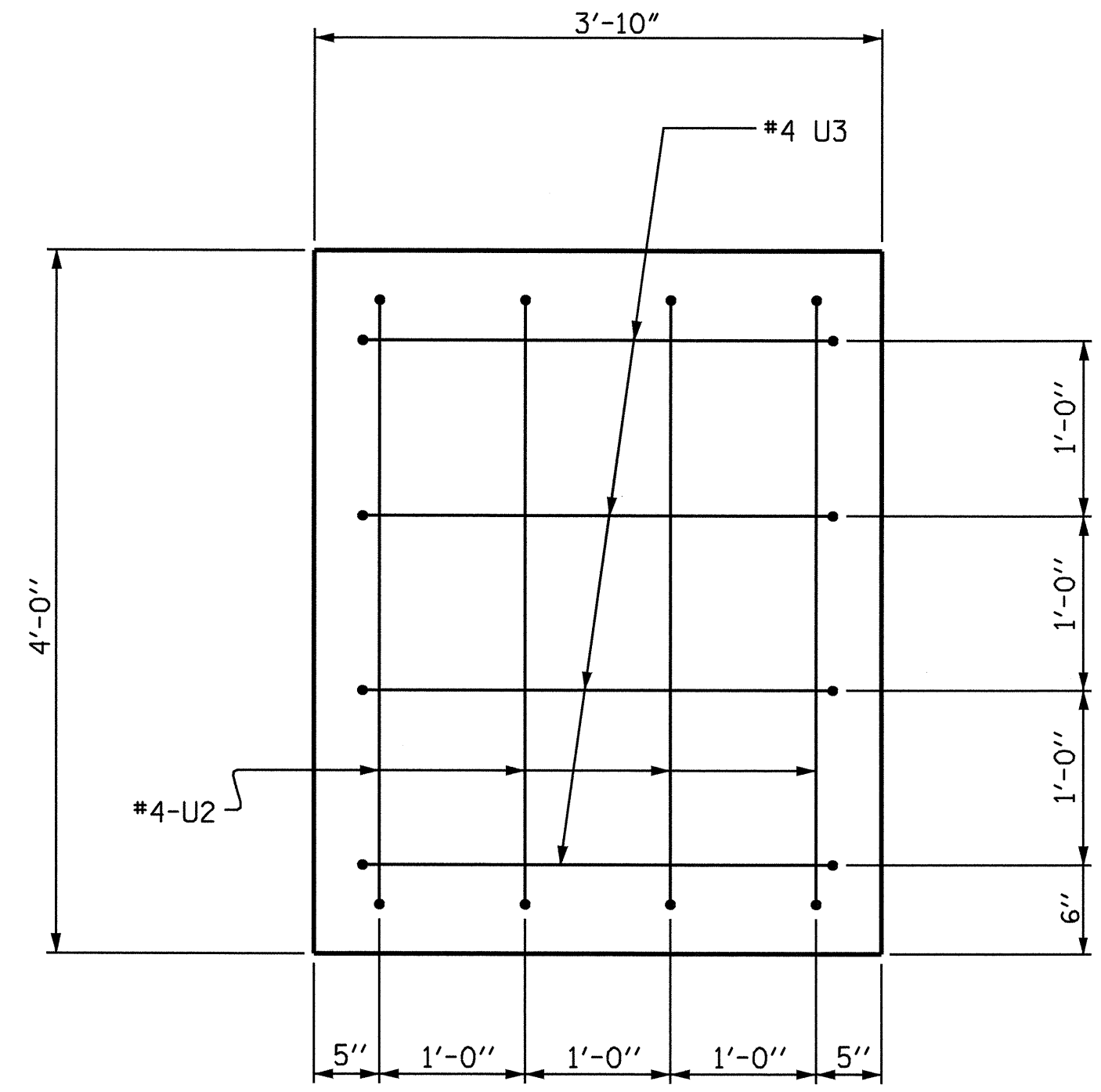
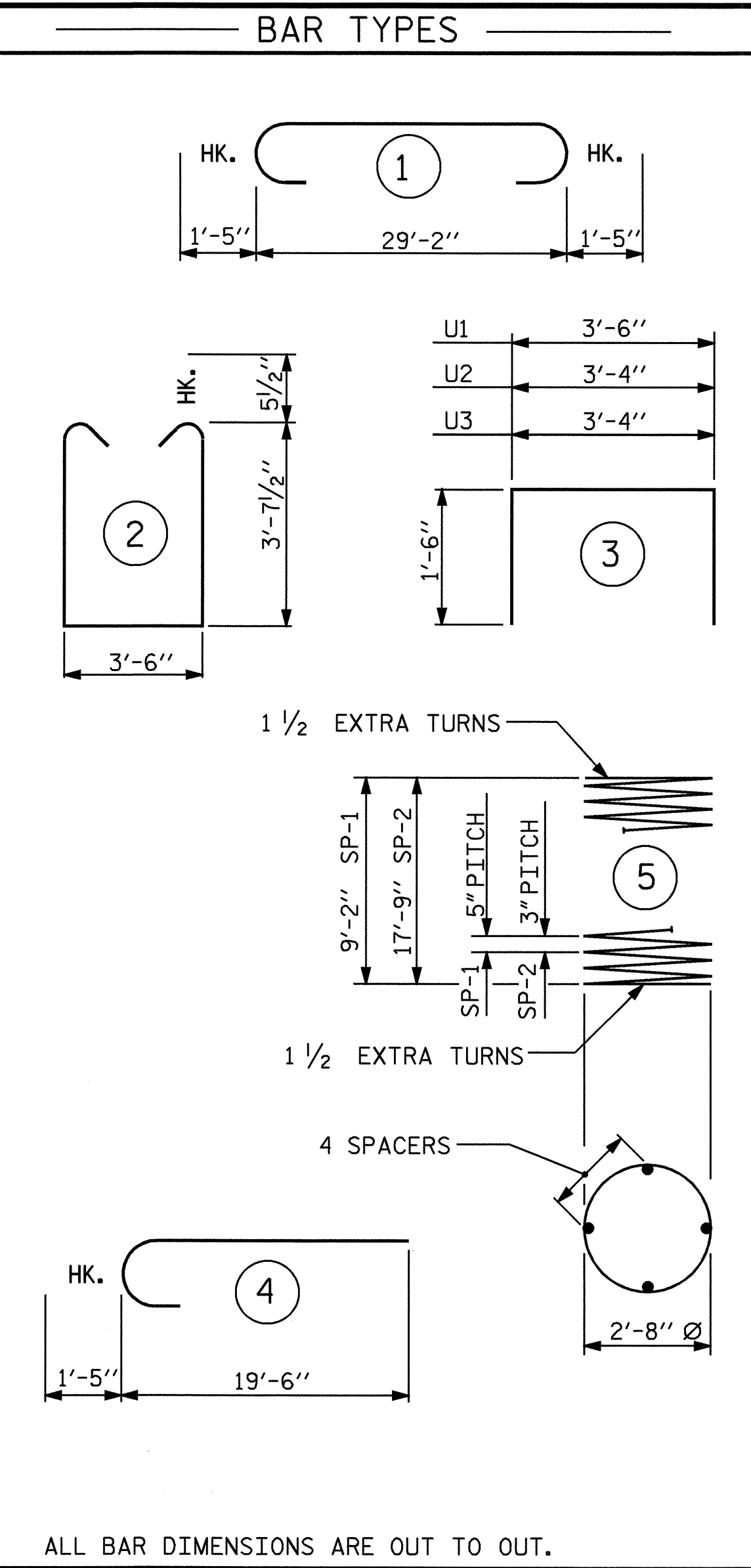


SECTION A-A



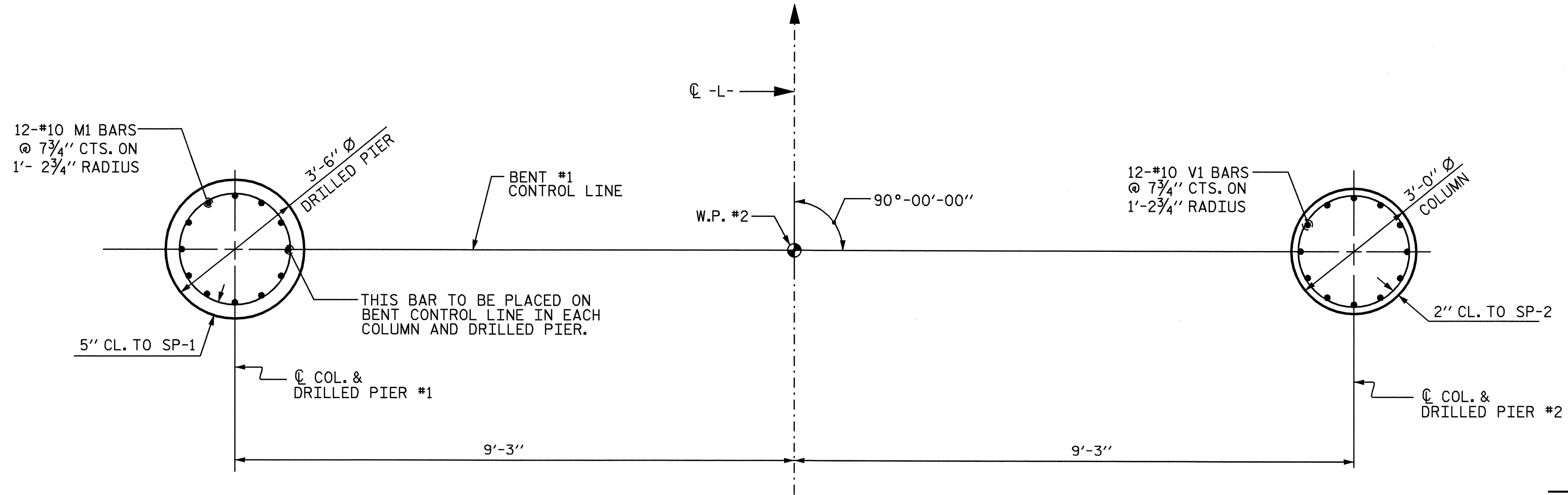
VIEW X-X
(TYP. EACH END)



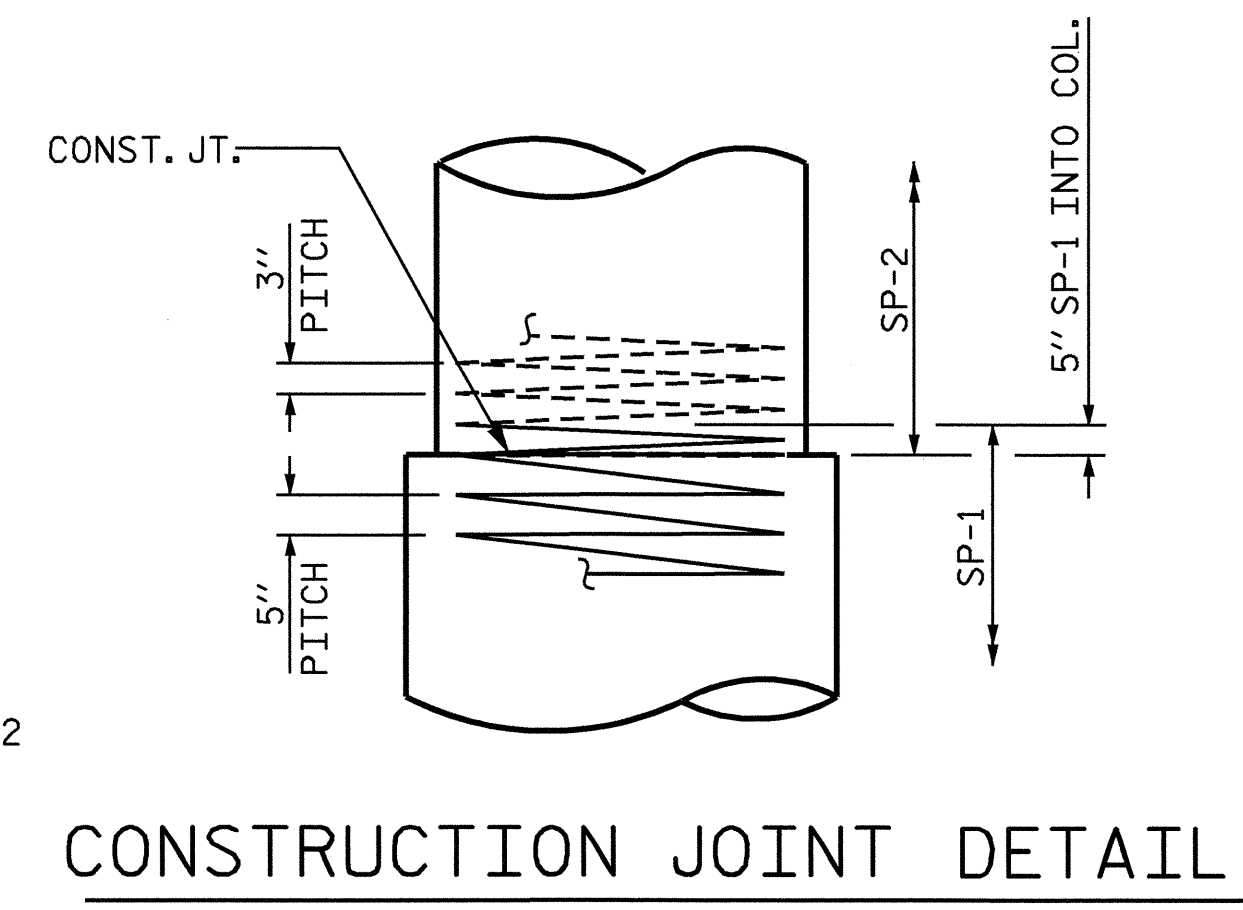
ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL					
BENT #1					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#10	1	32-0	826
B2	6	#10	STR	29-2	753
B3	6	#6	STR	29-2	263
S1	41	#5	2	11-8	499
U1	28	#4	3	6-6	122
U2	8	#4	3	6-4	34
U3	8	#4	3	6-4	34
M1	24	#10	STR	18-1	1868
V1	24	#10	4	20-11	2160
REINFORCING STEEL				LBS.	6,559
SPIRAL COLUMN					
SP1	2	*	5	211-0	282
SP2	2	**	5	610-6	1274
TOTAL SPIRAL REINFORCING STEEL				LBS.	1556
CLASS A CONCRETE BREAKDOWN					
POUR #2 (COLUMNS)				C.Y.	9.2
POUR #3 (CAP)				C.Y.	17.0
TOTAL				C.Y.	26.2
DRILLED PIERS					
DRILLED PIER CONCRETE BREAKDOWN					
POUR #1 (DRILLED PIER)				C.Y.	6.8
3'-6" Ø DRILLED PIER				LIN. FT	16.0
NOT IN SOIL				LIN. FT	3.0
3'-6" Ø DRILLED PIER				LIN. FT	3.0
IN SOIL				LIN. FT	6.0
3'-6" Ø PERMANENT				LIN. FT	6.0
STEEL CASING				LIN. FT	6.0

* 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.



PLAN OF DRILLED PIERS & COLUMNS
(COLUMN & DRILLED PIER INFORMATION IS TYPICAL AT EACH LOCATION)

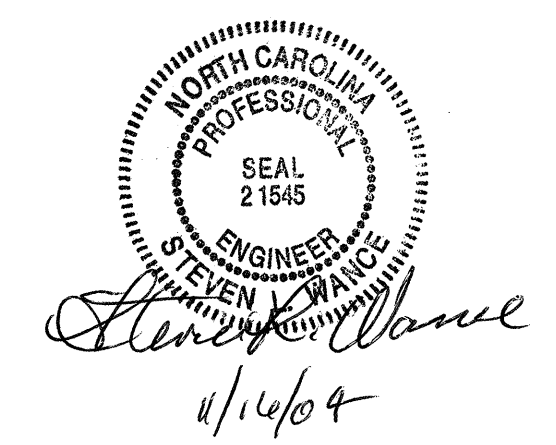


CONSTRUCTION JOINT DETAIL

PROJECT NO. B-3350
IREDELL COUNTY
STATION: 17+33.50 -L-
SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT #1



DRAWN BY: SWANCE@PE DATE: 06/03
CHECKED BY: N.Q. TRAN DATE: 04/04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-23
2			4			35