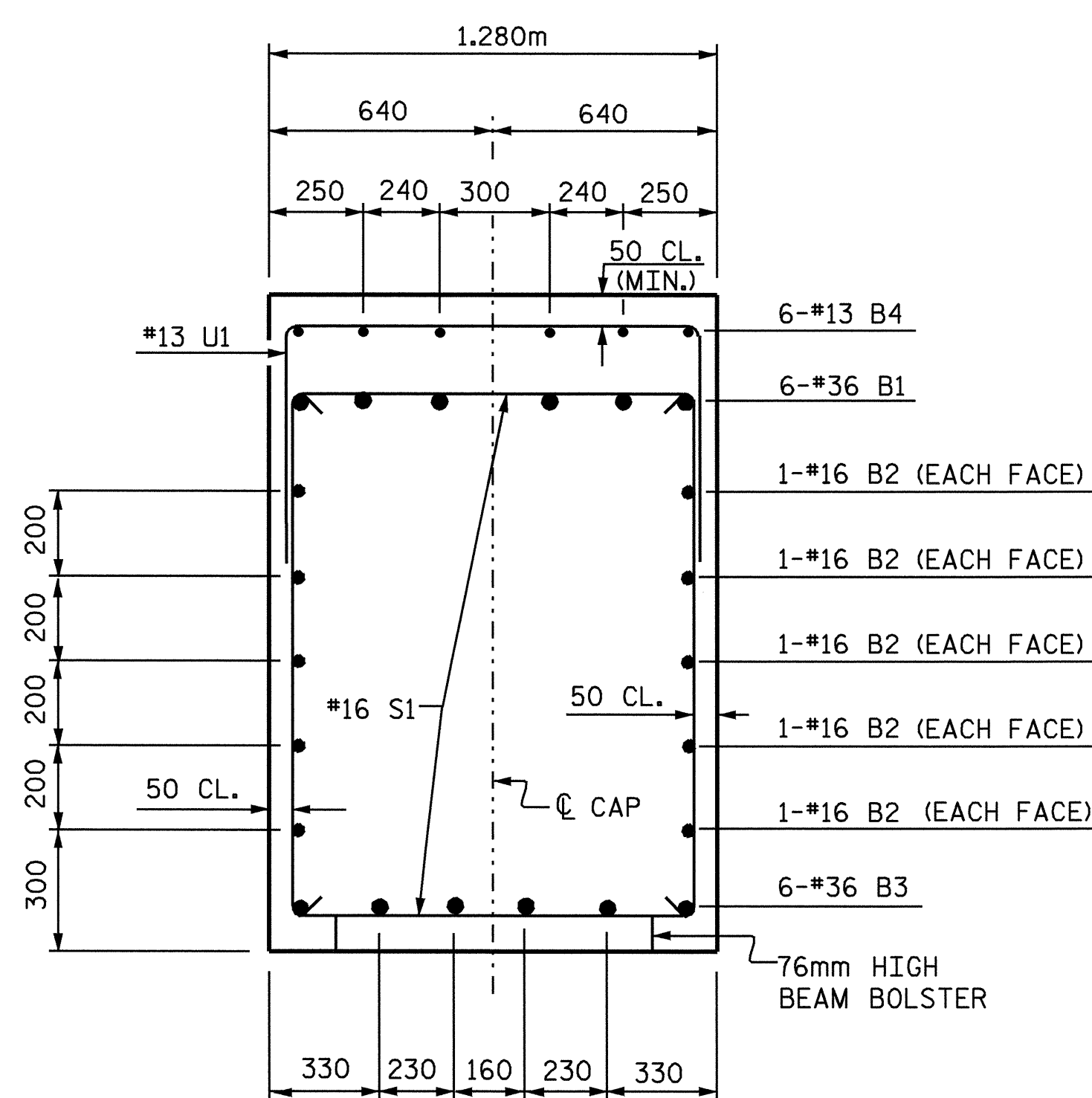
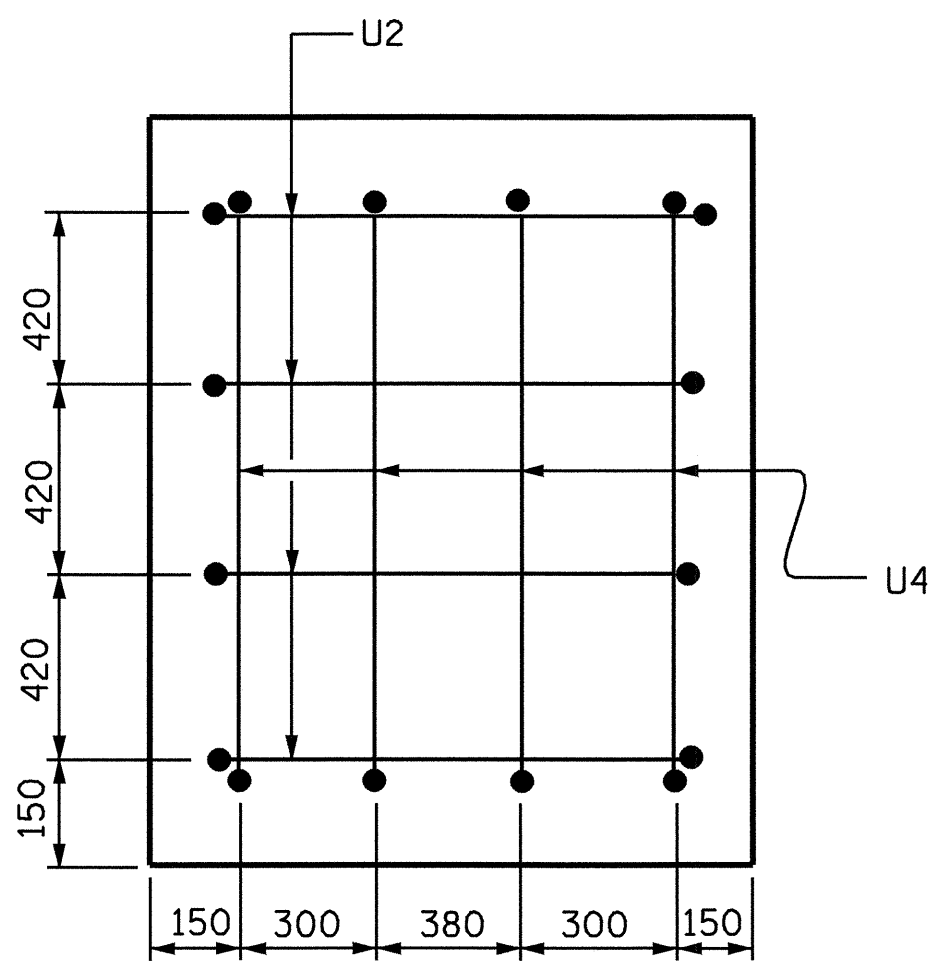


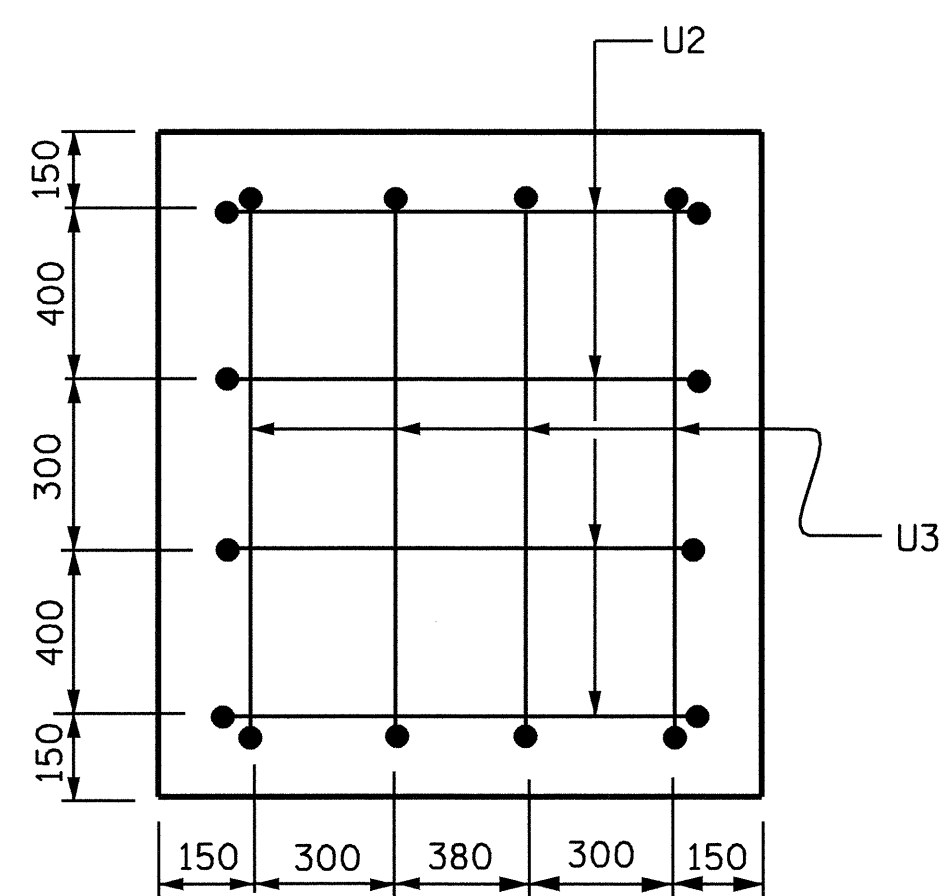
SECTION A-A



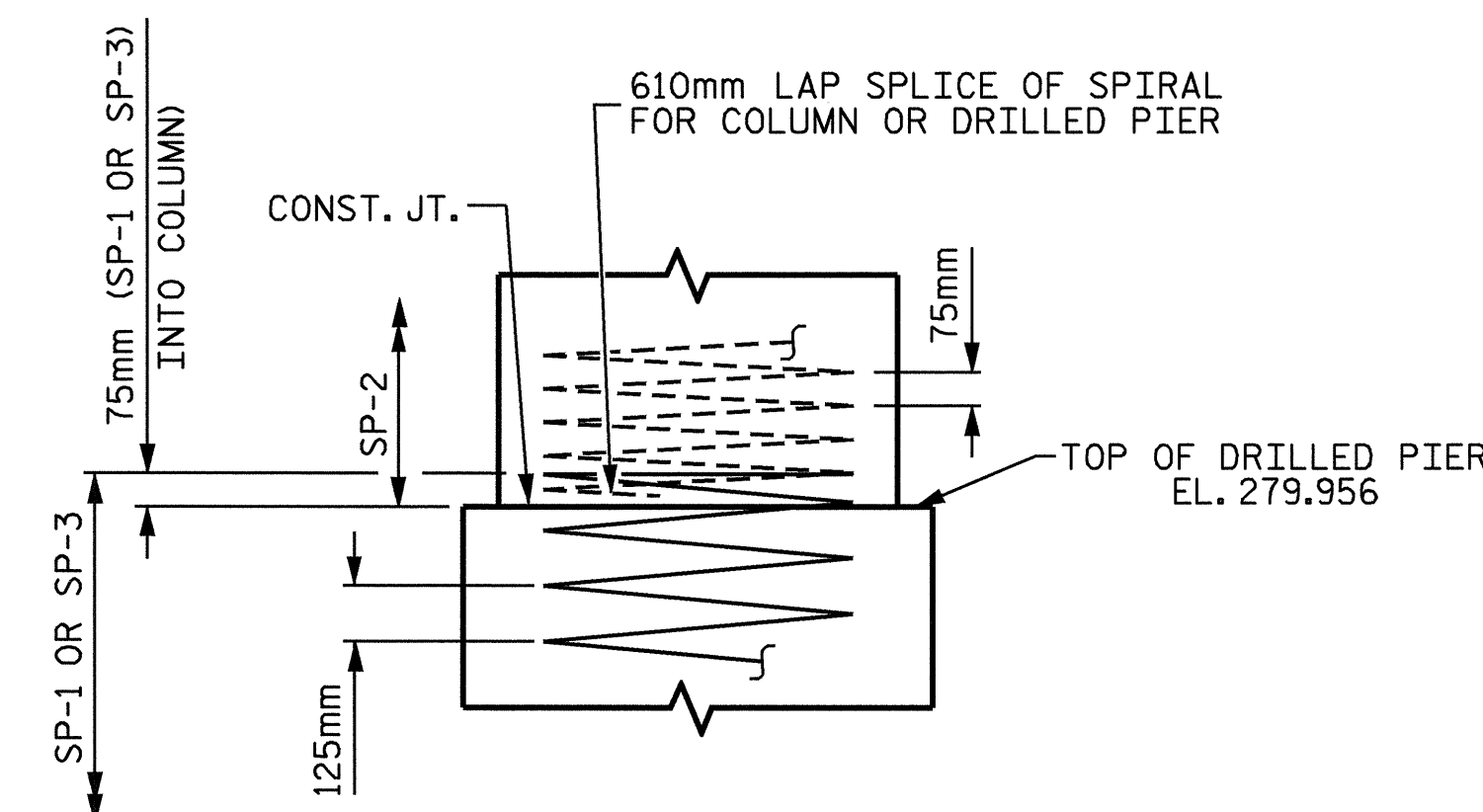
SECTION B-B



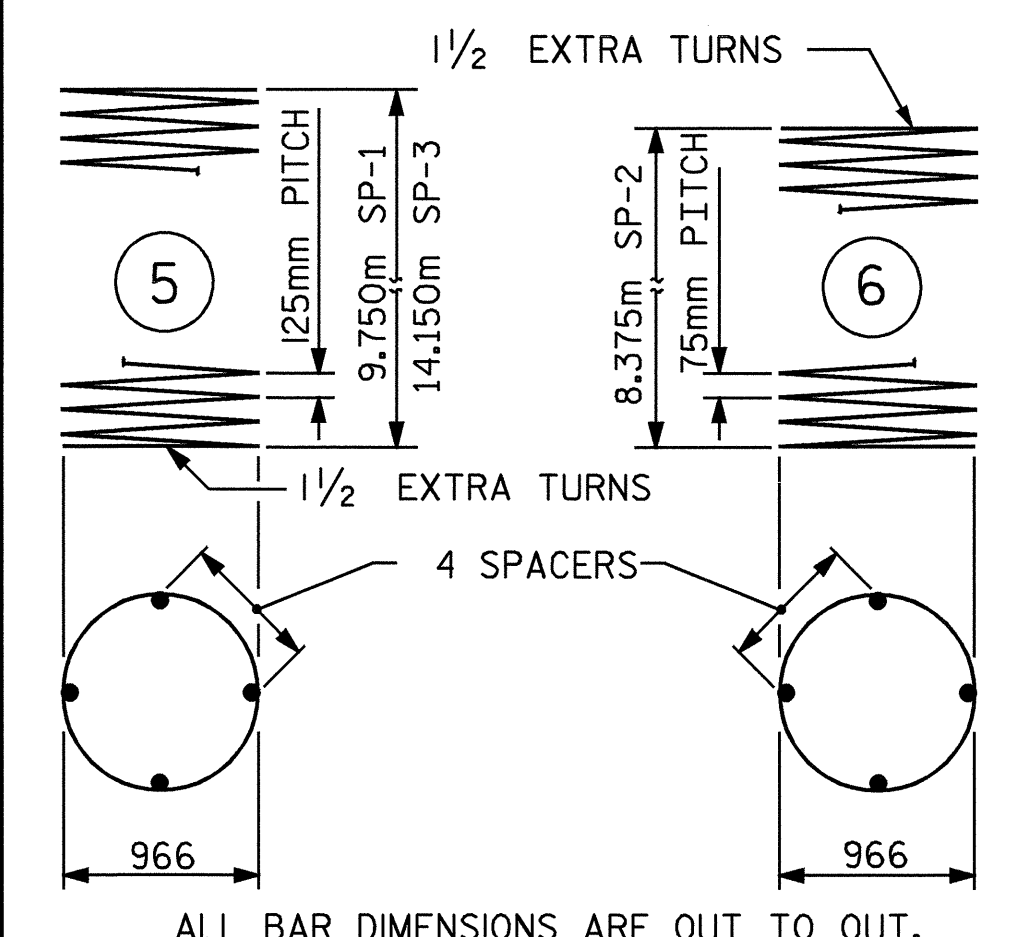
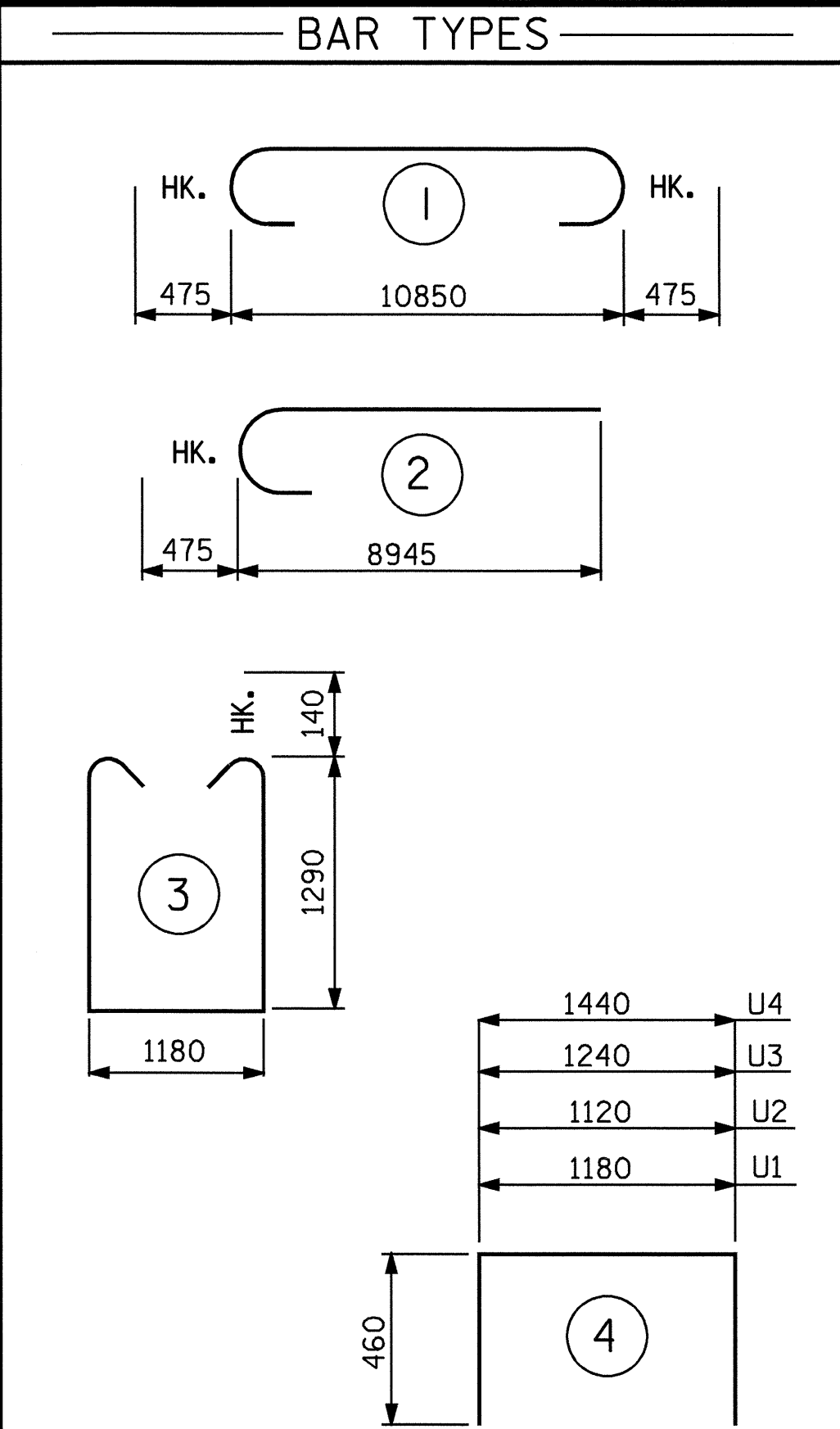
LEFT END VIEW



RIGHT END VIEW



CONSTRUCTION JOINT DETAIL



ALL BAR DIMENSIONS ARE OUT TO OUT.

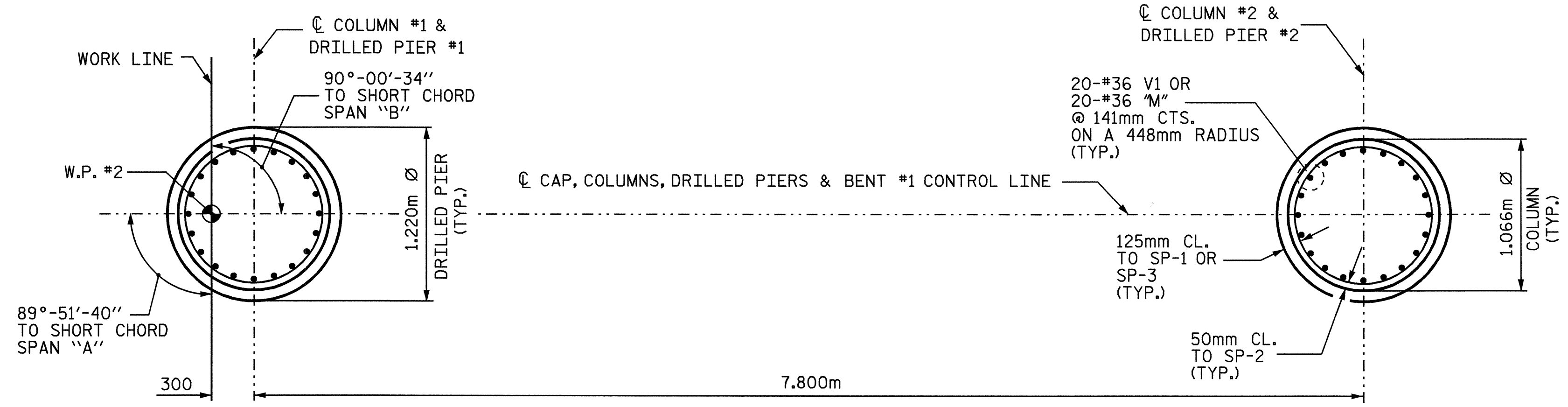
BILL OF MATERIAL					
BENT #1					
BAR NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	6	36	1	11800	560
B2	10	16	STR	10900	169
B3	6	36	STR	10900	517
B4	6	13	STR	4340	26
M1	20	36	STR	13020	2059
M2	20	36	STR	17420	2755
S1	41	16	3	4040	257
U1	32	13	4	2100	67
U2	8	13	4	2040	16
U3	4	13	4	2160	9
U4	4	13	4	2360	9
V1	40	36	2	9420	2979
REINFORCING STEEL				KG	9423
SP-1	1	*	5	238240	370
SP-2	2	**	6	338960	674
SP-3	1	*	5	344600	535
SPIRAL REINF. STEEL				KG	1579

CLASS A CONCRETE			
POUR #2	COLUMNS	m ³	14.8
POUR #3	CAP	m ³	20.8
TOTAL CLASS A CONCRETE		m ³	35.6
DRILLED PIER CONCRETE			
POUR #1	DRILLED PIERS	m ³	28.3
1220mm Ø DRILLED PIERS IN SOIL		17.7 METERS	
1220mm Ø DRILLED PIERS NOT IN SOIL		6.5 METERS	
PERM. STEEL CASING FOR 1220mm Ø DRILLED PIERS		20.7 METERS	
CSL TUBES		103.6 METERS	

** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.
 * THE SP-1 AND SP-3 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.

SPAN "B"

SPAN "A"



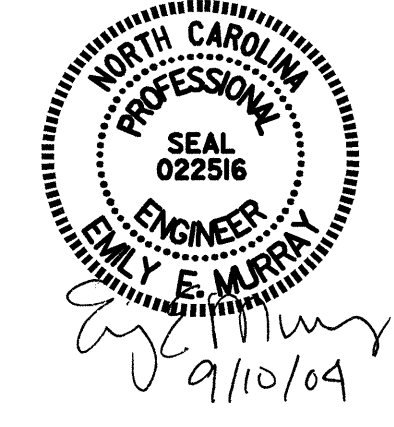
PLAN OF DRILLED PIERS AND COLUMNS

PROJECT NO. R-2206C
 LINCOLN-CATAWBA COUNTY
 STATION: 256+91.000 -L-

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT #1
 RIGHT LANE



DRAWN BY: C. MILLER DATE: 04-04
 CHECKED BY: L. AVERETTE DATE: 06-04

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	
1			3			3-261
2			4			TOTAL SHEETS 374