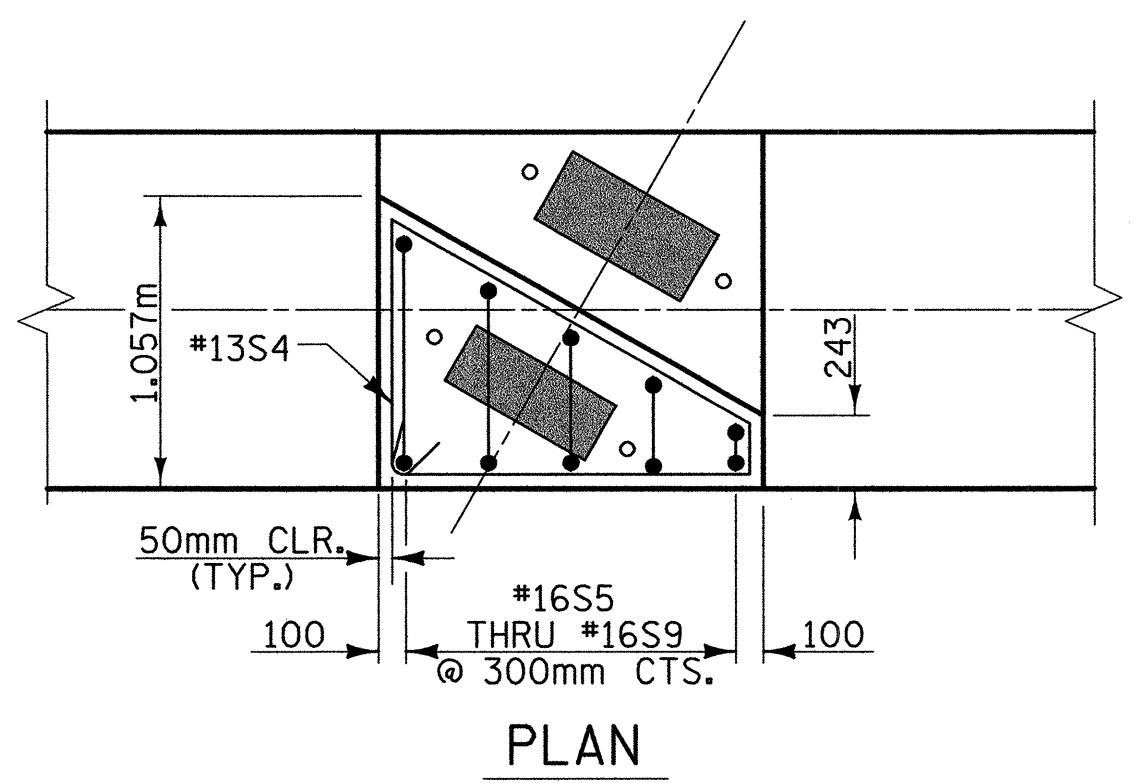
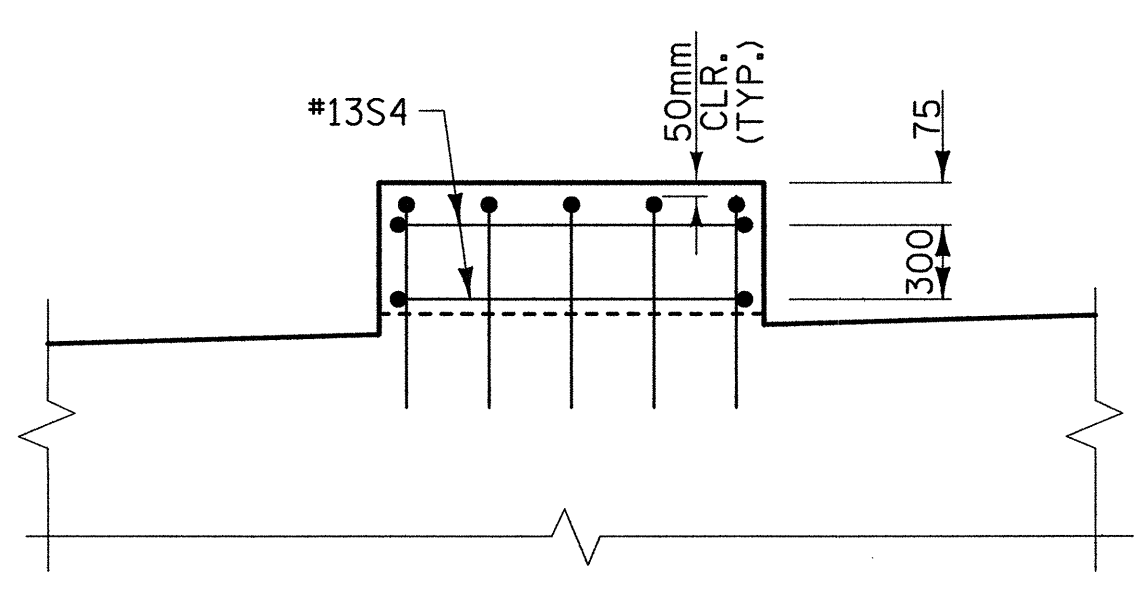


SECTION A-A



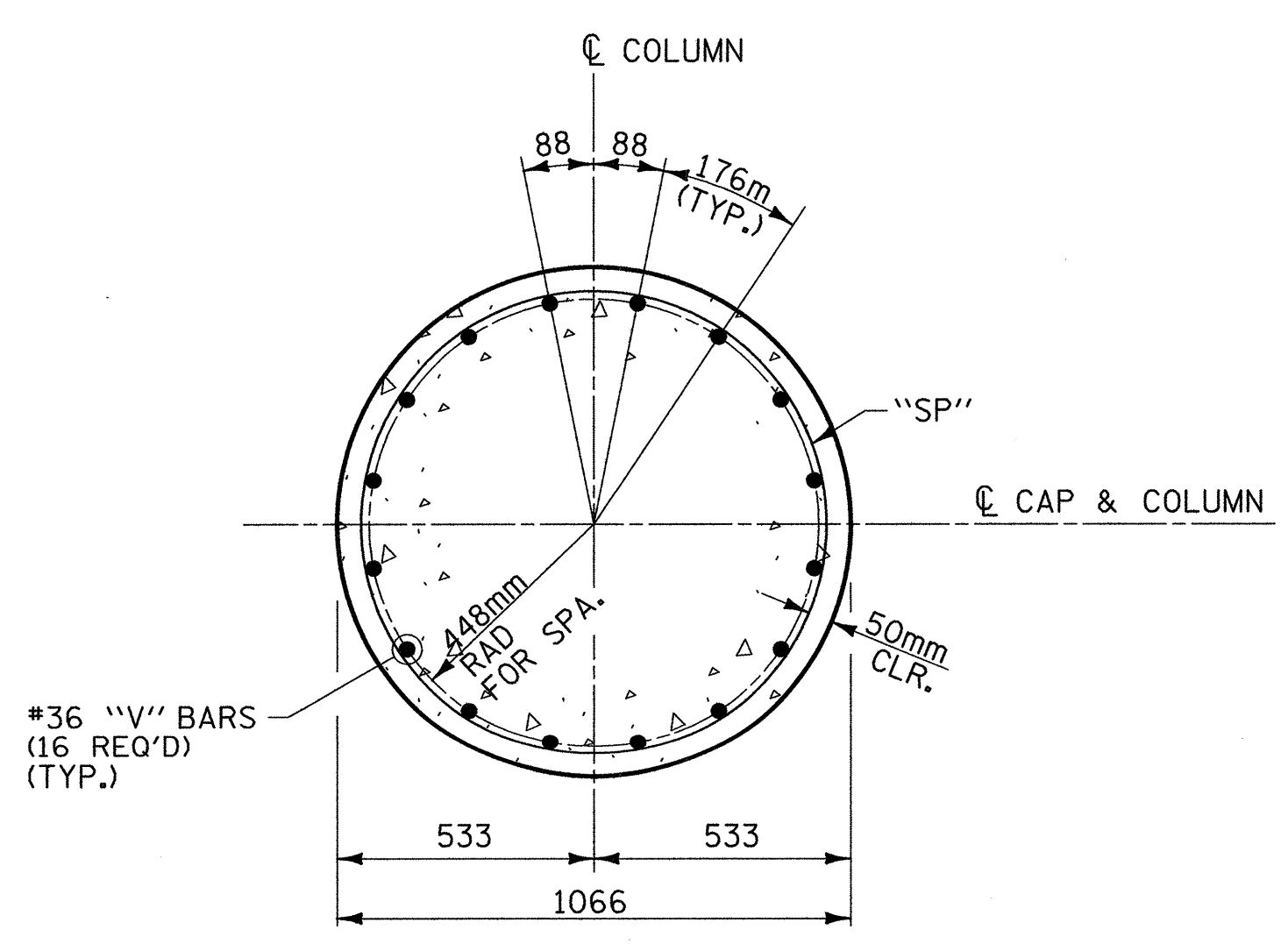
PLAN



ELEVATION

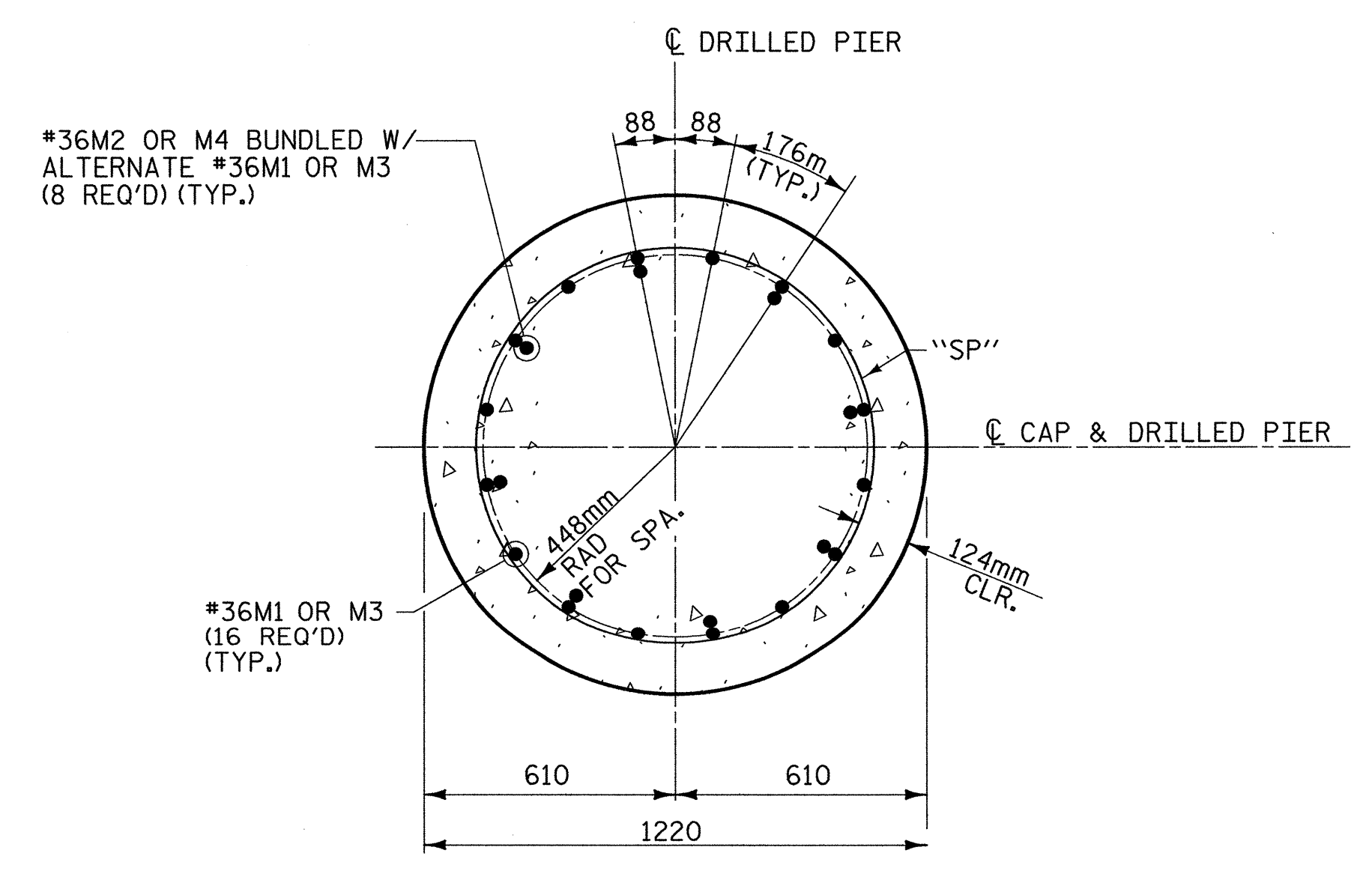
BRIDGE SEAT DETAIL

NOTES:
 STIRRUPS IN THE CAP MAY BE SHIFTED AS NECESSARY TO CLEAR ANCHOR BOLTS.
 HOOKS ON "V" BARS MAY BE TURNED AS NECESSARY FOR PLACING REINFORCING STEEL.
 THE TOP SURFACE OF THE BENT CAP SHALL BE CURED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MEMBRANE CURING COMPOUND METHOD SHALL NOT BE USED.
 FOR EPOXY PROTECTIVE COATING, SEE SPECIAL PROVISIONS.
 THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE LONGITUDINAL REINFORCEMENT FOR THE DRILLED PIERS IS DETAILED WITH ONE METER OF EXTRA LENGTH.
 ALL STEEL IN THE DRILLED PIERS IS INCLUDED IN THE PAY ITEMS FOR "REINFORCING STEEL" AND "SPIRAL COLUMN REINFORCING STEEL".
 FOR PERMANENT STEEL CASING, SEE SPECIAL PROVISIONS FOR DRILLED PIER.



SECTION THRU COLUMN

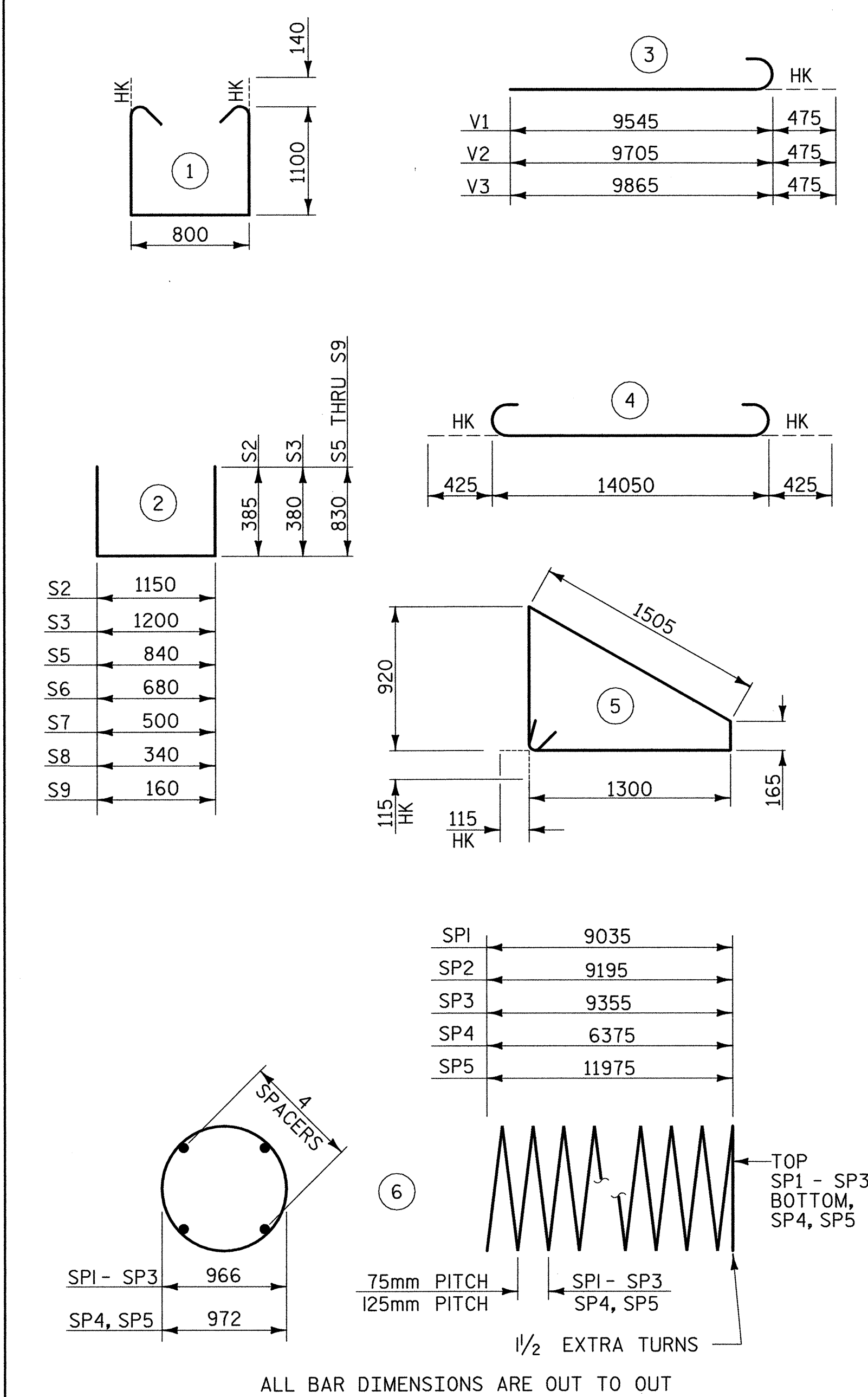
(ALL COLUMNS SIMILAR)
 (SEE ELEVATION FOR BAR MARKS)



SECTION THRU DRILLED PIER

(ALL DRILLED PIERS SIMILAR)
 (SEE ELEVATION FOR BAR MARKS)

BAR TYPES



** THE SP1 - SP3 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #13 PLAIN OR DEFORMED BAR.
 THE SP4 & SP5 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #16 PLAIN OR DEFORMED BAR.

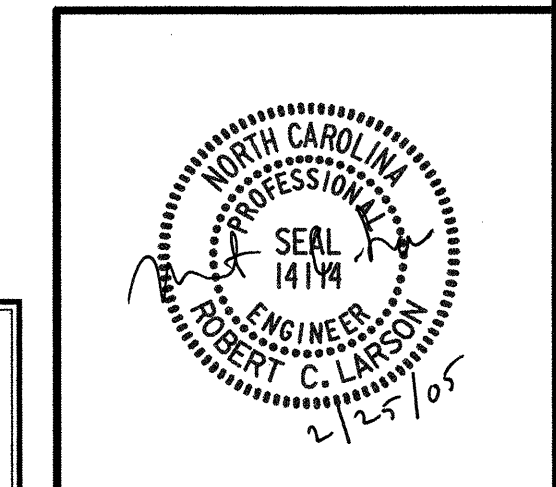
BILL OF MATERIAL

FOR BENT 2					
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
B1	6	#32	STR	14100	542
B2	7	#32	4	14900	668
B3	6	#19	STR	14100	189
M1	32	#36	STR	9700	2454
M2	16	#36	STR	7240	916
M3	16	#36	STR	15300	1936
M4	8	#36	STR	12840	812
S1	88	#16	1	3280	448
S2	18	#13	2	1920	34
S3	45	#13	2	1960	88
S4	10	#13	5	4120	41
S5	5	#16	2	2500	19
S6	5	#16	2	2340	18
S7	5	#16	2	2160	17
S8	5	#16	2	2000	16
S9	5	#16	2	1820	14
V1	16	#36	3	10020	1268
V2	16	#36	3	10180	1288
V3	16	#36	3	10340	1308
TOTAL REINFORCING STEEL =					12076 kg
SP1	1	**	6	360405	358
SP2	1	**	6	366787	365
SP3	1	**	6	373169	371
SP4	2	**	6	153144	475
SP5	1	**	6	287671	446
SPIRAL COLUMN REINFORCING STEEL =					2015 kg
CLASS "A" CONCRETE - CU. METERS					
POUR 2 (COLUMNS)					24.4 C.M.
POUR 3 (CAP)					25.3 C.M.
TOTAL					49.7 C.M.
DRILLED PIER @ BENT 2					
1220mm DIA. DRILLED PIERS IN SOIL =					15.6 LIN M.
1220mm DIA. DRILLED PIERS NOT IN SOIL =					9.2 LIN M.
PERMANENT STEEL CASING FOR 1220mm DIA. DRILLED PIER =					14.6 LIN M.
SID INSPECTION =					1 EA.
CSL TUBES =					109.4 LIN M.
DRILLED PIER CONC. (FOR INFORMATION ONLY) =					29.0 C.M.

PROJECT NO. R-2552C
 JOHNSTON COUNTY
 STATION: 110+37.000 -L2RT- POC

SHEET 2 OF 2

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
SUBSTRUCTURE BENT 2 (RIGHT LANE)



REVISIONS				SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

TOTAL SHEETS: 431

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DRAWN BY: J. P. SHERMAN DATE: 10/04
 CHECKED BY: R. C. LARSON DATE: 1/05

REFERENCE NO. BR-29