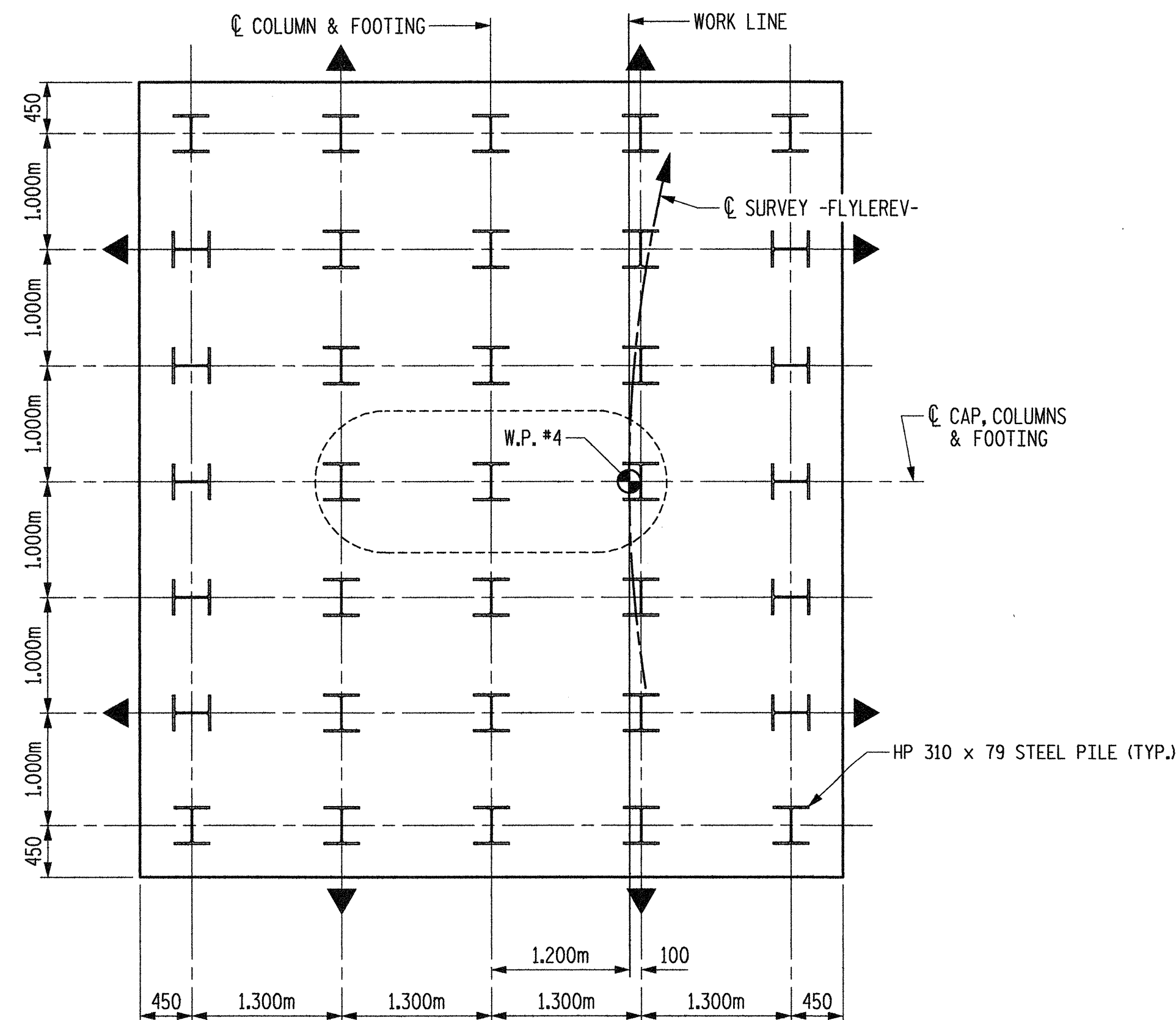


PLAN OF FOOTING
SHOWING REINFORCING BARS

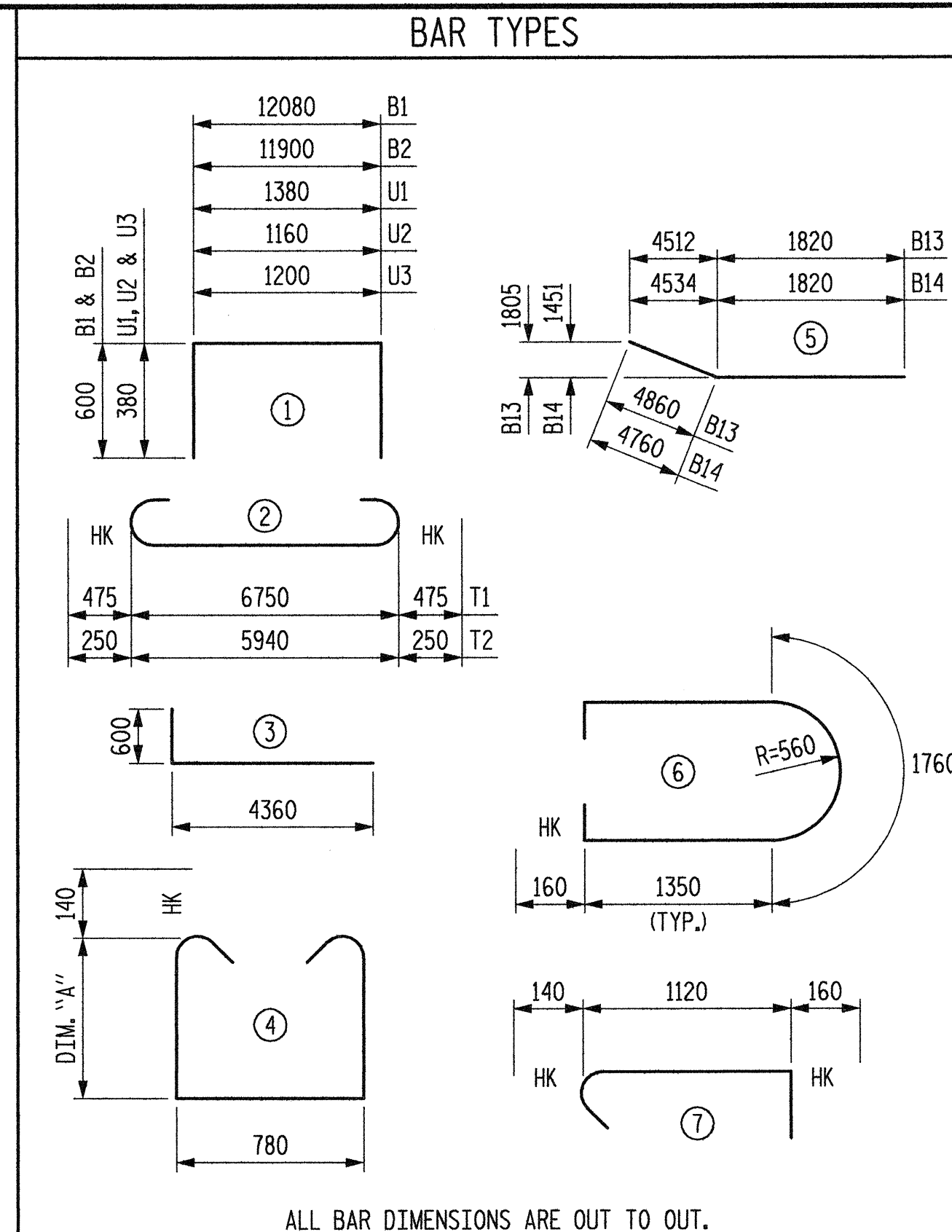
NOTE: FOR REINFORCING IN COLUMNS, SEE SECTION C-C, SHEET 2 OF 3.



PLAN OF FOOTING
SHOWING PILES

NOTE: FOR DIMENSIONS NOT SHOWN, SEE PLAN OF FOOTING ABOVE.

▲ INDICATES DIRECTION OF 125:1000 BATTER.



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

BENT #3

BAR NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT	BAR NO.	SIZE	TYPE	DIM. "A"	LENGTH	WEIGHT	
B1	7	36	1	13280	735	S39	2	16	4	3080	7220	22
B2	7	36	1	13100	725	S40	2	16	4	3070	7200	22
B3	4	36	STR	11700	370	S41	2	16	4	3060	7180	22
B4	10	25	STR	12100	481	S42	2	16	4	3050	7160	22
B5	2	25	STR	11960	95	S43	2	16	4	3050	7160	22
B6	2	25	STR	10840	86	S44	2	16	4	3040	7140	22
B7	2	25	STR	9720	77	S45	2	16	4	3030	7120	22
B8	2	25	STR	8600	68	S46	2	16	4	3020	7100	22
B9	2	25	STR	7500	60	S47	2	16	4	3010	7080	22
B10	2	25	STR	6380	51	S48	2	16	4	2970	7000	22
B11	2	25	STR	5260	42	S49	2	16	4	2920	6900	21
B12	2	25	STR	4140	33	S50	2	16	4	2880	6820	21
B13	4	19	5	6680	60	S51	2	16	4	2830	6720	21
B14	4	19	5	6580	59	S52	2	16	4	2790	6640	21
B15	28	13	STR	900	25	S53	2	16	4	2750	6560	20
B16	10	13	STR	1200	12	S54	2	16	4	2700	6460	20
M1	54	36	3	4960	2118	S55	2	16	4	2660	6380	20
S1	2	16	4	1490	4040	S56	2	16	4	2620	6300	20
S2	2	16	4	1530	4120	S57	2	16	4	2570	6200	19
S3	2	16	4	1580	4220	S58	2	16	4	2530	6120	19
S4	2	16	4	1620	4300	S59	2	16	4	2490	6040	19
S5	2	16	4	1670	4400	S60	2	16	4	2440	5940	18
S6	2	16	4	1720	4500	S61	2	16	4	2400	5860	18
S7	2	16	4	1760	4580	S62	2	16	4	2350	5760	18
S8	2	16	4	1810	4680	S63	2	16	4	2310	5680	18
S9	2	16	4	1850	4760	S64	2	16	4	2270	5600	17
S10	2	16	4	1900	4860	S65	2	16	4	2220	5500	17
S11	2	16	4	1950	4960	S66	2	16	4	2180	5420	17
S12	2	16	4	1990	5040	S67	2	16	4	2140	5340	17
S13	2	16	4	2040	5140	S68	2	16	4	2090	5240	16
S14	2	16	4	2090	5240	S69	2	16	4	2050	5160	16
S15	2	16	4	2130	5320	S70	2	16	4	2010	5080	16
S16	2	16	4	2180	5420	S71	2	16	4	1960	4980	15
S17	2	16	4	2220	5500	S72	2	16	4	1920	4900	15
S18	2	16	4	2270	5600	S73	2	16	4	1870	4800	15
S19	2	16	4	2320	5700	S74	2	16	4	1830	4720	15
S20	2	16	4	2360	5780	S75	2	16	4	1790	4640	14
S21	2	16	4	2410	5880	S76	2	16	4	1740	4540	14
S22	2	16	4	2460	5980	S77	2	16	4	1700	4460	14
S23	2	16	4	2500	6060	S78	2	16	4	1660	4380	14
S24	2	16	4	2550	6160	S79	2	16	4	1610	4280	13
S25	2	16	4	2590	6240	S80	2	16	4	1570	4200	13
S26	2	16	4	2640	6340	S81	2	16	4	1530	4120	13
S27	2	16	4	2690	6440	S82	2	16	4	1480	4020	12
S28	2	16	4	2730	6520	S83	30	16	6	4780	223	99
S29	2	16	4	2780	6620	S84	45	16	7	1420	99	
S30	2	16	4	2820	6700	T1	45	36	2	7700	2740	
S31	2	16	4	2870	6800	T2	45	22	2	6440	882	
S32	2	16	4	2920	6900	T3	23	19	STR	5940	305	
S33	2	16	4	2960	6980	T4	23	19	STR	6740	346	
S34	2	16	4	3010	7080	U1	8	13	1	2140	17	
S35	2	16	4	3060	7180	U2	10	13	1	1920	19	
S36	2	16	4	3100	7260	U3	28	13	1	1960	55	
S37	2	16	4	3100	7260	V1	54	36	STR	6160	2630	
S38	2	16	4	3090	7240							

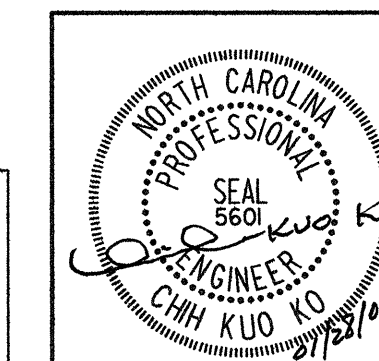
REINFORCING STEEL	13887 kg
CLASS A CONCRETE BREAKDOWN	
POUR #1 (FOOTING)	73.7 CU. METERS
POUR #2 (COLUMNS)	15.0 CU. METERS
POUR #3 (CAP)	40.7 CU. METERS
TOTAL CLASS A CONCRETE	129.4 CU. METERS
HP 310 x 79 STEEL PILES NO. 35	315.0 LIN. METERS

PROJECT NO. R-2552AA
WAKE-JOHNSTON COUNTY
 STATION: 28+31.359 -I1Y1-

SHEET 3 OF 3

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

SUBSTRUCTURE
 BENT #3



Plans prepared by:
KO & ASSOCIATES, P.C.
 Consulting Engineers
 1011 SCHAUB DR., SUITE #202
 RALEIGH, N.C. 27606
 For Division of Highways

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			5-128
2			4			429

DWG. NO. 45