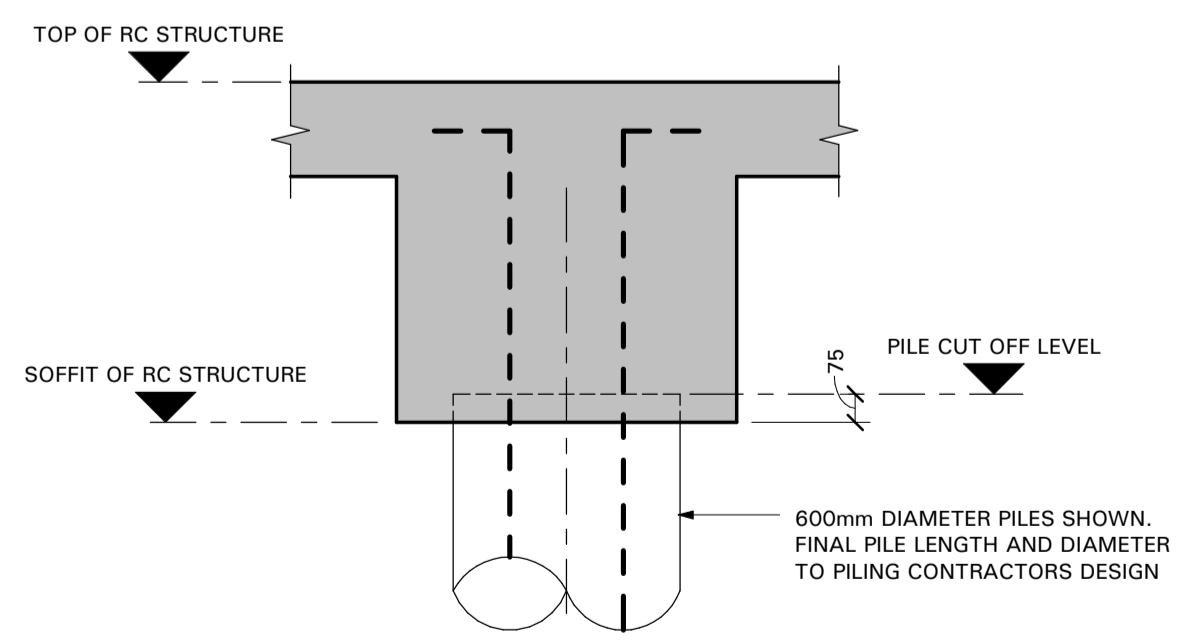


PILING LAYOUT - REAR EXTENSION
SCALE 1 : 50



TYPICAL PILE HEAD DETAIL
SCALE 1 : 20

- PILING NOTES:**
1. ALL PILES ARE TO BE DESIGNED BY THE PILING CONTRACTOR.
 2. REFER TO SITE INVESTIGATION REPORT.
 3. ALL TENSION PILES TO HAVE FULL LENGTH TENSION REINFORCEMENT.
 4. ALL SETTING OUT TO BE CONFIRMED BY ARCHITECT.
 5. SURVEY STATION POSITIONS AND NORTHINGS AND EASTINGS BASED UPON EXISTING SURVEY DRAWING.
 6. PILING MAT / WORKING PLATFORM TO BE DESIGNED BY THE CONTRACTOR FOR LOADINGS FROM THE PROPOSED PLANT.
 7. ACCESS FOR WORKS AND ASSOCIATED TEMPORARY WORKS TO BE AGREED IN DETAIL WITH THE MAIN CONTRACTOR.

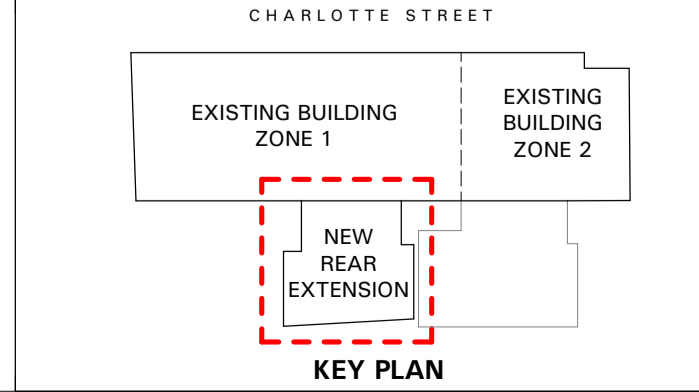
PILE SCHEDULE						
REF.	DEAD LOADS (kN)	SUPERIMPOSED DEAD LOAD (kN)	LIVE LOAD (kN)	WIND LOAD y (kN)	WIND LOAD x (kN)	PILE CUT OFF LEVEL (m)
P01	296	100	72	+/- 25	+/- 5	+23.383
P02	235	52	56	+/- 20	+/- 9	+23.383
P03	323	81	80	+/- 32	+/- 28	+23.383
P04	193	42	41	+/- 10	+/- 12	+23.383
P05	366	126	97	+/- 15	+/- 22	+23.383
P06	266	91	65	+/- 26	+/- 1	+23.383
P07	173	39	40	+/- 13	+/- 6	+23.383
P08	324	80	79	+/- 22	+/- 25	+23.383
P09	352	91	90	+/- 3	+/- 12	+23.383
P10	379	136	105	+/- 1	+/- 45	+23.383
P11	318	105	74	+/- 4	+/- 0	+23.383
P12	280	66	66	+/- 64	+/- 5	+23.383
P13	387	93	92	+/- 57	+/- 16	+23.383
P14	290	69	69	+/- 6	+/- 16	+23.383
P15	214	60	48	+/- 8	+/- 9	+23.383
P16	271	110	71	+/- 13	+/- 12	+23.383
P17	448	109	109	+/- 17	+/- 6	+23.383
P18	507	145	108	+/- 31	+/- 333	+23.383
P19	491	134	109	+/- 29	+/- 22	+23.383
P20	377	96	84	+/- 24	+/- 234	+23.383
P21	369	89	85	+/- 2	+/- 67	+23.383
P22	327	77	79	+/- 8	+/- 21	+23.383
P23	255	78	54	+/- 76	+/- 41	+23.383
P24	460	115	112	+/- 62	+/- 7	+23.383
P25	513	149	111	+/- 73	+/- 61	+23.383
P26	399	98	93	+/- 44	+/- 44	+23.383
P27	264	67	67	+/- 27	+/- 23	+23.383
P28	421	122	83	+/- 70	+/- 3	+23.383
P29	233	59	58	+/- 4	+/- 20	+23.383
P30	218	52	50	+/- 25	+/- 10	+23.383
P31	472	142	101	+/- 6	+/- 25	+23.383
P32	239	64	64	+/- 8	+/- 11	+23.133
P33	379	101	98	+/- 4	+/- 25	+23.133
P34	430	116	76	+/- 34	+/- 69	+23.133
P35	210	53	56	+/- 1	+/- 7	+23.383
P36	180	41	44	+/- 5	+/- 12	+23.383
P37	452	139	90	+/- 47	+/- 47	+23.383
P38	279	75	45	+/- 63	+/- 114	+23.133
P39	411	135	69	+/- 150	+/- 108	+23.383
P40	139	35	26	+/- 3	+/- 21	+23.383
P41	497	146	94	+/- 40	+/- 122	+23.383
P42	583	151	93	+/- 62	+/- 185	+23.383
P43	200	49	31	+/- 19	+/- 9	+23.133
P44	309	78	51	+/- 41	+/- 96	+23.133
P45	597	156	97	+/- 81	+/- 238	+23.133

- ALL LOADS IN SCHEDULE ARE VERTICAL.
- WIND LOADS ARE REVERSIBLE IN DIRECTION (+/- COMPRESSION/TENSION)
- WIND LOAD DIRECTIONS ARE AS INDICATED ON 'WIND DIRECTION KEY' AND SHOULD BE COMBINED FOR THE PILE DESIGN (x + y).

WIND DIRECTION KEY

- THE TOTAL CHARACTERISTIC WIND LOAD ACTING ON THE SUPERSTRUCTURE, IN EITHER DIRECTION, IS 400kN. THE PILES ARE TO BE DESIGNED TO RESIST THE FOLLOWING SHEAR LOADS:
+/- 10kN IN 'x' DIRECTION
+/- 10kN IN 'y' DIRECTION
THESE LOADS ARE CONSIDERED TO ACT TOGETHER AND ARE TO BE COMBINED IN THE PILE DESIGN
- THE TOTAL IMPOSED LOADS MAY BE REDUCED AS FOLLOWS:
DESIGN TO BRITISH STANDARD : 0.6
DESIGN TO EUROCODE : 0.6
- PILES ARE TO BE DESIGNED TO BRITISH STANDARDS OR EUROCODES, PROVIDING THAT THE PILE DESIGN CAN BE SHOWN TO BE COMPATIBLE WITH THE DESIGN OF THE SUPPORTED STRUCTURE. THE SUPPORTED STRUCTURE IS DESIGNED TO THE BRITISH STANDARDS.

- NOTES:**
1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 2. FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
 3. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
 4. DO NOT SCALE FROM THE DRAWING OR THE COMPUTER DIGITAL DATA. ONLY FIGURED DIMENSIONS TO BE USED.



Job	Astor College, UCL Charlotte Street, W1T 4QB		
Drawing Status	TENDER		
Rev	Date	Description	By
T1	26.08/16	ISSUED FOR TENDER	JL

Scale @ A1	Date	By	Checked
As indicated	06/2017	MF	JC
Drawing Number	Revision		
6775 / 150	T1		

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