

DESCRIPTION	TOTAL LENGTH (TL) (m)	HD BOLTS M48 ①	FORM F M48 WASHERS ②	M48 NUTS ③	M48 WASHER PLATE ④	M48 WASHER PLATE ⑤	CONCRETE VOLUME (m ³) ⑥	REINFORCEMENT MASS (kg) ⑦ ⑧
REFERENCE		C65/D23/004	K01/D09/148	K01/D01/048	B80/K85/TOP	B80/K85/BTM	B84/B21/001	B85/K52/020
B80/K85/025	2.5	4	8	8	4	4	1.96	104.4 + 94.5
B80/K85/026	2.6	4	8	8	4	4	2.04	108.8 + 94.5
B80/K85/027	2.7	4	8	8	4	4	2.12	113.2 + 94.5
B80/K85/028	2.8	4	8	8	4	4	2.20	117.7 + 94.5
B80/K85/029	2.9	4	8	8	4	4	2.28	122.1 + 94.5
B80/K85/030	3.0	4	8	8	4	4	2.36	126.6 + 94.5
B80/K85/031	3.1	4	8	8	4	4	2.43	131.0 + 94.5
B80/K85/032	3.2	4	8	8	4	4	2.51	135.4 + 94.5
B80/K85/033	3.3	4	8	8	4	4	2.59	139.9 + 94.5
B80/K85/034	3.4	4	8	8	4	4	2.67	144.3 + 94.5
B80/K85/035	3.5	4	8	8	4	4	2.75	148.8 + 94.5
B80/K85/036	3.6	4	8	8	4	4	2.83	153.2 + 94.5
B80/K85/037	3.7	4	8	8	4	4	2.91	157.6+ 94.5
B80/K85/038	3.8	4	8	8	4	4	2.98	162.1 + 94.5
B80/K85/039	3.9	4	8	8	4	4	3.06	166.5 + 94.5
B80/K85/040	4.0	4	8	8	4	4	3.14	171.0 + 94.5
B80/K85/041	4.1	4	8	8	4	4	3.22	175.4 + 94.5
B80/K85/042	4.2	4	8	8	4	4	3.30	179.8 + 94.5
B80/K85/043	4.3	4	8	8	4	4	3.38	184.3 + 94.5
B80/K85/044	4.4	4	8	8	4	4	3.46	188.7 + 94.5
B80/K85/045	4.5	4	8	8	4	4	3.53	193.2 + 94.5
B80/K85/046	4.6	4	8	8	4	4	3.61	197.6 + 94.5
B80/K85/047	4.7	4	8	8	4	4	3.69	202.1 + 94.5
B80/K85/048	4.8	4	8	8	4	4	3.77	206.5 + 94.5
B80/K85/049	4.9	4	8	8	4	4	3.85	210.9 + 94.5
B80/K85/050	5.0	4	8	8	4	4	3.93	215.4 + 94.5

STRENGTH DEPTH 'h' (m) *	LEVEL GROUND RESISTANCE MOMENT (kNm)
2.5	130.6
2.6	141.4
2.7	152.6
2.8	164.2
2.9	176.3
3.0	188.9
3.1	201.8
3.2	215.3
3.3	229.1
3.4	243.4
3.5	258.2
3.6	273.4
3.7	289.1
3.8	305.2
3.9	321.8
4.0	338.8
4.1	356.3
4.2	374.3
4.3	392.8
4.4	411.7
4.5	431.1
4.6	451.0
4.7	471.4
4.8	492.2

* STRENGTH DEPTH TAKEN FROM OLEMI DRAWING 1/080/876

- NOTES:
- MASS OF REINFORCEMENT BARS TO BE ROUNDED UP TO THE NEAREST kg.
 - NON-EFFECTIVE DEPTH (NED) ASSUMED TO BE 1.0m.
 - MINIMUM OVERALL DEPTH TO BE 2.5m.
 - WHERE ORE ALLOCATION IS NOT APPROPRIATE THIS FOUNDATION CAN BE UTILISED IN ACCORDANCE WITH THE RELEVANT EUROCODES.
 - THE PILE LENGTH SHALL BE DETERMINED BY A COMPETENT PERSON IN ACCORDANCE WITH THE APPLIED LOADING FOLLOWING A SUITABLE GEOTECHNICAL SURVEY.
 - FOUNDATION TO BE ASSESSED FOR ALL APPLICABLE LOADS, DETERMINED BY THE DESIGNER.

C01	18/01/19	FOR CONSTRUCTION	GB	EM	JW
B01	13/09/18	FOR ACCEPTANCE	GB	EM	DS
P01	12/07/18	RE-DRAFT FROM NWEF SCHEME FOR IDC	GB	DS	JW
REV	DATE	DESCRIPTION OF REVISIONS	DRAWN	CHKD	APPR
STATUS					
FOR CONSTRUCTION					
 ELECTRIFICATION & PLANT DESIGN GROUP INFRASTRUCTURE PROJECTS (SOUTHERN) WATERLOO STATION LONDON SE1 8SW					
PROJECT					
UK MASTER SERIES					
DRAWING TITLE					
1000mm DIA AUGERED PILE FOUNDATION FOR DOUBLE PFC TTC AND PORTAL STRUCTURES					
DESIGNED	J. WAGG	SIGNED		DATE	18/01/19
DRAWN	G. BURROWS	SIGNED		DATE	18/01/19
CHECKED	E. MELLOR	SIGNED		DATE	18/01/19
APPROVED	J. WAGG	SIGNED		DATE	18/01/19
SCALE(S)					
NTS					
ALTERNATIVE REFERENCE				SHEET	
121926-CPL-DRG-ECV-000922				2 of 2	
DRAWING NUMBER					REVISION
MS/B80/K85/A3					C01