



Cable No	Description	Design Length	Cable Type	Cable Size	CPC Type	CPC Size
1	SB1	90	XLPEswa S	8 x 1 core x 400"	Armour + auxiliary	1 x 400"
2	MCP1	120	XLPEswa M	1 x 4 core x 25"	Armour + auxiliary	1 x 15"
3	GF11	15	XLPEswa M	1 x 4 core x 35"	Armour	85
4	GF2	70	XLPEswa M	1 x 4 core x 95"	Armour	180
5	GF3	120	XLPEswa M	2 x 4 core x 95"	Armour + auxiliary	1 x 25"
6	GF17/18/19	134	XLPEswa M	1 x 4 core x 95"	Armour + auxiliary	1 x 35"
7	GFEXTERNAL1	15	XLPEswa M	1 x 4 core x 25"	Armour	76
8	GFDRAMA	90	XLPEswa M	1 x 4 core x 25"	Armour + auxiliary	1 x 15"
9	GF12	75	XLPEswa M	1 x 2 core x 25"	Armour	61
10	GF11	45	XLPEswa M	1 x 2 core x 35"	Armour + auxiliary	1 x 10"
11	1F15B/15C	19	XLPEswa M	1 x 2 core x 10"	Armour + auxiliary	1 x 10"
12	1F15B/15C	94	XLPEswa M	1 x 2 core x 70"	Armour + auxiliary	1 x 15"
13	GF11	52	XLPEswa M	1 x 4 core x 70"	Armour	139
14	1F11	18	XLPEswa M	1 x 4 core x 70"	Armour	139
15	1F12	60	XLPEswa M	1 x 4 core x 120"	Armour	139
16	1F13	94	XLPEswa M	2 x 4 core x 95"	Armour	180
17	1F14/15	19	XLPEswa M	1 x 4 core x 15"	Armour	74.4
18	2F11	45	XLPEswa M	1 x 4 core x 95"	Armour	180
19	2F12	90	XLPEswa M	2 x 4 core x 95"	Armour + auxiliary	1 x 35"
20	3F11	80	XLPEswa M	1 x 4 core x 95"	Armour	180
21	Lift Supply	75	XLPEswa M	1 x 4 core x 15"	Armour + auxiliary	1 x 10"
22	PV Array	80	XLPEswa M	1 x 4 core x 95"	Armour	1 x 35"
23	DBMech	100	XLPEswa M	2 x 4 core x 70"	Armour + auxiliary	1 x 90"
24	Fire Alarm Panel	100	Draka FTP	1 x 2 core x 6"	Armour + auxiliary	1 x 6"
25	Disabled Refuge Panel	100	Draka FTP	1 x 2 core x 6"	Armour + auxiliary	1 x 6"
28	Surge Suppression	0.5	XLPEswa M	1 x 4 core x 15"	Separate	1 x 4"
29	Power Factor Correction	0.5	XLPEswa M	1 x 4 core x 15"	Separate	1 x 6"
30	1F15C2	28	XLPEswa M	1 x 2 core x 15"	Armour	45.4
31	1F15C1	20	XLPEswa M	1 x 2 core x 15"	Armour	45.4
32	1F15C3	45	XLPEswa M	1 x 2 core x 25"	Armour	61
33	1F15C5	42	XLPEswa M	1 x 2 core x 15"	Armour	61
34	1F15C8	28	XLPEswa M	1 x 2 core x 15"	Armour	61
35	1F15C4	22	XLPEswa M	1 x 2 core x 10"	Armour	61
36	1F15C6	20	XLPEswa M	1 x 2 core x 10"	Armour	45.4
37	1F15C7	48	XLPEswa M	1 x 2 core x 15"	Armour	61
38	2F1C1	35	XLPEswa M	1 x 2 core x 15"	Armour	45.4
39	2F1C4	24	XLPEswa M	1 x 2 core x 15"	Armour	45.4
40	2F1C3	20	XLPEswa M	1 x 2 core x 15"	Armour	45.4
41	2F1C2	34	XLPEswa M	1 x 2 core x 15"	Armour	45.4
42	1F1C1	41	XLPEswa M	1 x 2 core x 25"	Armour	61
43	3F1C1	40	XLPEswa M	1 x 2 core x 15"	Armour	45.4
44	FEEDER PILLAR	95	XLPEswa M	1 x 4 core x 25"	Armour	76

DO NOT SCALE OFF THIS DRAWING

BUILDING OUTLINE DRAWINGS

ARCHITECT / CONSULTANT: DRAWING No: REV

NOTES:

- ALL METERS TO BE REMOTELY MONITORED BY BMS VIA MODBUS NETWORK LINK.
- SURGE SUPPRESSION UNITS TO BE LINKED TO BMS TO MONITOR DEVICE STATUS.
- THIS DRAWING ILLUSTRATES OUTLINE DESIGN INTENT ONLY. IT IS SUBJECT TO DESIGN DEVELOPMENT & COORDINATION.
- 20% SPARE WAYS AND CAPACITY TO BE PROVIDED OVERALL.
- SB1 TO INCORPORATE MARSHALLING CONNECTION POINTS FOR BMS CONNECTIONS TO METERS AND PROTECTIVE DEVICE STATUS SIGNALS.
- CABLE SIZES/DEVICE SIZES/NUMBER OF WAYS ARE SUBJECT TO DESIGN DEVELOPMENT.
- FINAL CONNECTION DETAILS FOR PV TO BE AGREED WITH SPECIALIST SUB-CONTRACTOR.

LEGEND:

- Transformer
- ACB/MCCB
- Multifunction Meter
- Distribution Board
- Surge Protection Unit, Type as Noted.
- Control Contactors
- Emergency Power Off Button
- Surge Protection Device

Rev	Date	Description	Drn	Chkd
G	20/12/17	1) INCOMING CABLES 1 AMENDED 2) MAIN CPC SIZE AMENDED 3) CABLES 33-37 AMENDED	CP	KF
F	25/10/17	1) CABLES 39 & 41 AMENDED 2) MAIN CPC SIZE AMENDED 3) SMOKE VENTS REMOVED 4) DB ROOM NUMBERS AMENDED 5) CABLE SCHEDULE AMENDED	TB	KF
E	29/09/17	1) EXTERNAL 1 INCREASED TO 12 WAY 2) EPO SHOWN TO GF/LP1	CP	KF
D	13/09/17	1) CABLE SCHEDULE AMENDED 2) EXTERNAL 2 REMOVED 3) BOARDS MOVED TO MATCH CABLE SCHEDULE	TB	KF
C	20/07/17	1) CABLE SCHEDULE AMENDED 2) AMENDMENTS AS CLOUDED TO INCORPORATE COMMISSIONING COMMENTS	CP	KF
B	06/04/17	1) CABLE SCHEDULE AMENDED 2) EXTERNAL 2 & FEEDER PILLAR ADDED	CP	KF
A	13/03/17	1) ISSUED FOR CONSTRUCTION 2) CABLE SCHEDULE AND DB SIZES AMENDED AND ADDED TO ALIGN WITH CABLE CALCS	CP	KF
0	12/12/16	ISSUED FOR COMMENT	CP	KF

CONSTRUCTION

Client: KIER LONDON

Project: MARIA FIDELIS SCHOOL

Description: LV DISTRIBUTION AND EARTHING SCHEMATIC

Scale: NTS A1

Date: AUGUST 2016

Drawn By: CP Checked: KF

DRAWING No: 5112/EP/001 Rev: G

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