

**KEYPLAN** 

## LIGHTING SERVICES INSTALLATION NOTES

- 1.00 ALL LIGHTING CIRCUITS AND CABLING IN APARTMENTS TO BE 1.5mm² T&E IN STUD PARTITIONS AND WALL TO BE CONTAINED IN PVC CONDUIT.
- 2.00 CABLING FOR LIGHTING INSTALLATION IN ALL OTHER AREAS TO BE 2.5mm LSF SINGLES IN GALVANISED STEEL CONDUIT OR TRUNKING UNLESS OTHERWISE
- 3.00 EACH LUMINAIRE TO HAVE A DEDICATED "CLICK" TYPE CONNECTOR TO BE LOCATED NO MORE THAN 500mm FROM THE LUMINAIRE. THE CONNECTION BETWEEN THE "CLICK" & THE LUMINAIRE SHALL BE IN 1.5mm2 PVC/LSOH FLEX.
- 4.00 WHERE EXIT SIGNS ARE INDICATED WITH A GENERAL LIGHTING LUMINAIRE THE SIGN SHALL BE PROPRIETARY TO AND COMPLETELY INTEGRATED WITH THAT LUMINAIRE.
- 5.00 ALL LIGHTING IN CORRIDOR AREAS TO BE SWITCHED AND CONTROLLED BY THE LIGHTING / CONTROL MODULES. REFER TO IN2 Drg. No. E1180 LIGHTING SCHEMATIC.
- 6.00 THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL LUMINAIRES SPECIFIED COME COMPLETE WITH PLASTER MOUNTING KITS, RECESSING BOXES, FIXING CLIPS, LAMPS AND DRIVERS.
- 7.00 LAYOUTS SUBJECT TO CHANGE (PARTICULARLY FURNITURE / P1 & P2 LOCATIONS)

## SCHEDULE OF LIGHT SWITCHING

LIGHTING CIRCUIT

— — — LIGHTING SUB-CIRCUIT (SEPARATE SWITCH)

CAT 6 ELV LIGHTING CIRCUIT FOR GROUPED LED SOURCES

0 - 10V CONTROL CABLE FLUORESCENT DIMMING CONTROL CIRCUIT

FIRE RATED CIRCUIT FOR EMERGENCY LIGHTING

LED EMERGENCY LUMINAIRES C/W 3 HOUR EMERGENCY BATTERY

BACKUP SINGLE 5A SWITCHED SOCKET OUTLET FOR USE WITH TASK

DENOTES INDICATIVE ROUTE OF CAST IN-SITU CONDUIT

LIGHTING 1-GANG, 1 WAY WALL MOUNTED LIGHT SWITCH

MOMENTARY / WARDROBE LIGHT SWITCHES

WALL MOUNTED LIGHT SWITCH C/W NEON INDICATOR

2-GANG, 1 WAY WALL MOUNTED LIGHT SWITCH

1-GANG, 2 WAY WALL MOUNTED LIGHT SWITCH

2-GANG, 2 WAY WALL MOUNTED LIGHT SWITCH

INTERMEDIATE 1 WAY WALL MOUNTED LIGHT SWITCH

1-GANG, 1 WAY EXTERNAL WALL MOUNTED LIGHT SWITCH 1-GANG, 2 WAY EXTERNAL WALL MOUNTED LIGHT SWITCH

WALL MOUNTED SINGLE SCENE LIGHTING CONTROL SWITCH

WALL MOUNTED MULTI SCENE LIGHTING CONTROL SWITCH

CEILING MOUNTED 360° LIGHTING PASSIVE INFRA RED MULTI-SENSOR REF 'E3' EMERGENCY EXIT REF 'X6' LUMINAIRE

LOCATION: EXIT DOORS & CIRCULATION

LED SURFACE MOUNTED INTERIOR

IP44, 3 HOUR EMERGENCY MODE

EMERGENCY LUMINAIRE.

REF 'X3' LUMINAIRE

14 W, IP65 RATED.

SURFACE MOUNTED LINEAR LED LUMINAIRE 34W, IP67 RATED LOCATION: PLANTROOM



REF 'X5' LUMINAIRE WALL RECESSED LED 6W, IP67 RATED LOCATION: BRICK LIGHT



REF 'A1' LUMINAIRE CEILING RECESSED LED DOWNLIGHT. 7.6 W, 500lm-3000lm, 2700K-4000K, CR180+. 80mm (W) x 81mm (D) OPTIONAL: 3HR MAINTAINED EMERGENCY BACK UP, DIMMING CONTROL, DALI. LOCATION: CIRCULATION



CEILING RECESSED IP65 LED DOWNLIGHT.

7.6 W, 500lm-3000lm, 2700K-4000K, CR180+.

REF 'A2' LUMINAIRE

80mm (W) x 81mm (D)

LOCATION: BATHROOMS & WC'S

REF 'B1/E' LUMINAIRE WALL MOUNTED IP65 LED. 15 W, 454lm. 300mm (W) x 180mm (H) x 140mm (D)



REF 'C1' LUMINAIRE SHIELDED WALL LUMINAIRE. 5.6W, 4701Im. 170mm x 80mm x 110mm



REF 'L1' LUMINAIRE RECESSED LINEAR LED STRIP KITCHEN: IP65 BATHROOM: IP20 WATTS VARY ON LENGTH. OPTIONAL: IP RATING, CASING TYPES. LOCATION: APARTMENT FURNITURE



REF 'P1' LUMINAIRE REF 'L2' LUMINAIRE BATHROOM WALL MOUNTED FIXED LED PENDANT. 16W, IP65 RATED. 9/10 W, 500lm-700lm, 2700K, CR190. LOCATION: MIRROR LIGHT OPTIONAL: DIMMING CONTROL, CORD LENGTH, GLASS COLOUR, RETROFIT LED.



FROM TRAIN WORKSHOP. Ø400mm, 620mm (H) LOCATION: COMMUNAL STAIRCASE, UNIT6 & UNIT 8

FIXED INDUSTRIAL LIGHTS SALVAGED

REF 'P2' LUMINAIRE



**ENTRANCES** 

EXTERNAL WALL MOUNTED LED.

LOCATION: ADJACENT TO EXTERNAL



NC	TE: ARCHITECTURAL DRAWING USED
FO	R COMPILATION OF IN2 DRAWING.
AF	CHITECTURAL DRAWING REVISION : P6
DA	TE RECEIVED : 28.09.2018

STATUS	DATE	DESCRIPTION	DRN	ENG	APP	REV
S3	06.03.2018	PRELIMINARY ISSUE	ко	JW	BF	P1
S3	21.03.2018	PRELIMINARY ISSUE	ко	JW	BF	P2
S3	01.06.2018	PRELIMINARY ISSUE	ко	JW	BF	P3
S3	17.08.2018	PRELIMINARY ISSUE	JDT	JW	BF	P4
S4	18.10.2018	CONSTRUCTION ISSUE	ко	TH	BF	C1



**ENGINEERING DESIGN PARTNERSHIP** DUBLIN . ATHLONE . BELFAST . LONDON



**BELSIZE PARK FIRESTATION** PLATINUM LAND

DRAWING TITLE ELECTRICAL SERVICES INSTALLATION FIRST FLOOR LEVEL LIGHTING SERVICES LAYOUT

SCALE SIZE PROJECT REF: DRAWING No.