

KEYPLAN UNIT 6 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.
- $\underline{2.00}$ 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.
- $\underline{4.00}$ 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

DENOTES INDICATIVE ROUTE OF CAST IN-SITU CONDUIT

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

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 LED SURFACE MOUNTED INTERIOR EMERGENCY LUMINAIRE. IP44, 3 HOUR EMERGENCY MODE LOCATION: EXIT DOORS & CIRCULATION

REF 'X6' LUMINAIRE SURFACE MOUNTED LINEAR LED LUMINAIRE 34W, IP67 RATED



LOCATION: PLANTROOM



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



REF 'A2' LUMINAIRE

80mm (W) x 81mm (D)

LOCATION: BATHROOMS & WC'S

CEILING RECESSED IP65 LED DOWNLIGHT.

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

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



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

REF 'L1' LUMINAIRE

KITCHEN: IP65

BATHROOM: IP20

RECESSED LINEAR LED STRIP

OPTIONAL: IP RATING, CASING TYPES.

LOCATION: APARTMENT FURNITURE

WATTS VARY ON LENGTH.



REF 'L2' LUMINAIRE BATHROOM WALL MOUNTED 16W, IP65 RATED. LOCATION: MIRROR LIGHT



REF 'P1' LUMINAIRE FIXED LED PENDANT. 9/10 W, 500lm-700lm, 2700K, CR190. OPTIONAL: DIMMING CONTROL, CORD LENGTH, GLASS COLOUR, RETROFIT LED. LOCATION: APARTMENT DINING AREA



REF 'P2' LUMINAIRE FIXED INDUSTRIAL LIGHTS SALVAGED FROM TRAIN WORKSHOP. Ø400mm, 620mm (H) LOCATION: COMMUNAL STAIRCASE, UNIT6 & UNIT 8



REF 'X3' LUMINAIRE EXTERNAL WALL MOUNTED LED. 14 W, IP65 RATED. LOCATION: ADJACENT TO EXTERNAL **ENTRANCES**



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



NOTE: ARCHITECTURAL DRAWING USED FOR COMPILATION OF IN2 DRAWING. ARCHITECTURAL DRAWING REVISION:

JDT TH BF C2 S4 18.06.2019 CONSTRUCTION ISSUE 18.10.2018 CONSTRUCTION ISSUE KO TH BF C1 DRN ENG APP REV STATUS DATE DESCRIPTION



ENGINEERING DESIGN PARTNERSHIP DUBLIN . ATHLONE . BELFAST . LONDON



BELSIZE PARK FIRESTATION

PLATINUM LAND

DRAWING TITLE **ELECTRICAL SERVICES INSTALLATION** GROUND FLOOR LEVEL LIGHTING SERVICES LAYOUT

DATE RECEIVED: 14.06.2019