

| 4-WAY MAIN PANEL | | | | | | | |
|------------------|-----------|--|----------------------------------|-----------------|---------------|-------------------------------|-------------|
| WAY | CABLE REF | SERVING | DESCRIPTION | NUMBER OF CORES | CABLE TYPE | CABLE SIZE (mm ²) | CPC |
| WAY 01 | MP-01 | 4-WAY FUSEBOARD | SERVING FULL BUILDING | 4 | XLPE/LSF/ SWA | 240 | ARMOUR ONLY |
| WAY 02 | MP-02 | LANDLORDS FUSEBOARD | SERVING LANDLORDS SUPPLIES | 4 | XLPE/LSF/ SWA | 95 | ARMOUR ONLY |
| WAY 03 | MP-03 | LIFE SAFETY FUSEBOARD | SERVING LIFE SAFETY SUPPLIES | 4 | FP400 | 35 | ARMOUR ONLY |
| WAY 04 | MP-04 | RESIDENTIAL MULTI SERVICE DISTRIBUTION BOARD | SERVING APARTMENT CONSUMER UNITS | 4 | XLPE/LSF/ SWA | 95 | ARMOUR ONLY |

| LIFE SAFETY PANEL | | | | | | | |
|-------------------|-----------|---------|-----------------------|-----------------|------------|-------------------------------|-------------|
| WAY | CABLE REF | SERVING | DESCRIPTION | NUMBER OF CORES | CABLE TYPE | CABLE SIZE (mm ²) | CPC |
| WAY 01 | LS-01 | LIFT | LIFT | 4 | FP400 | 10 | ARMOUR ONLY |
| WAY 02 | LS-02 | FAP | FIRE ALARM PANEL | 3 | FP400 | 2.5 | ARMOUR ONLY |
| WAY 03 | LS-03 | DRP | DISABLED REFUGE PANEL | 3 | FP400 | 2.5 | ARMOUR ONLY |

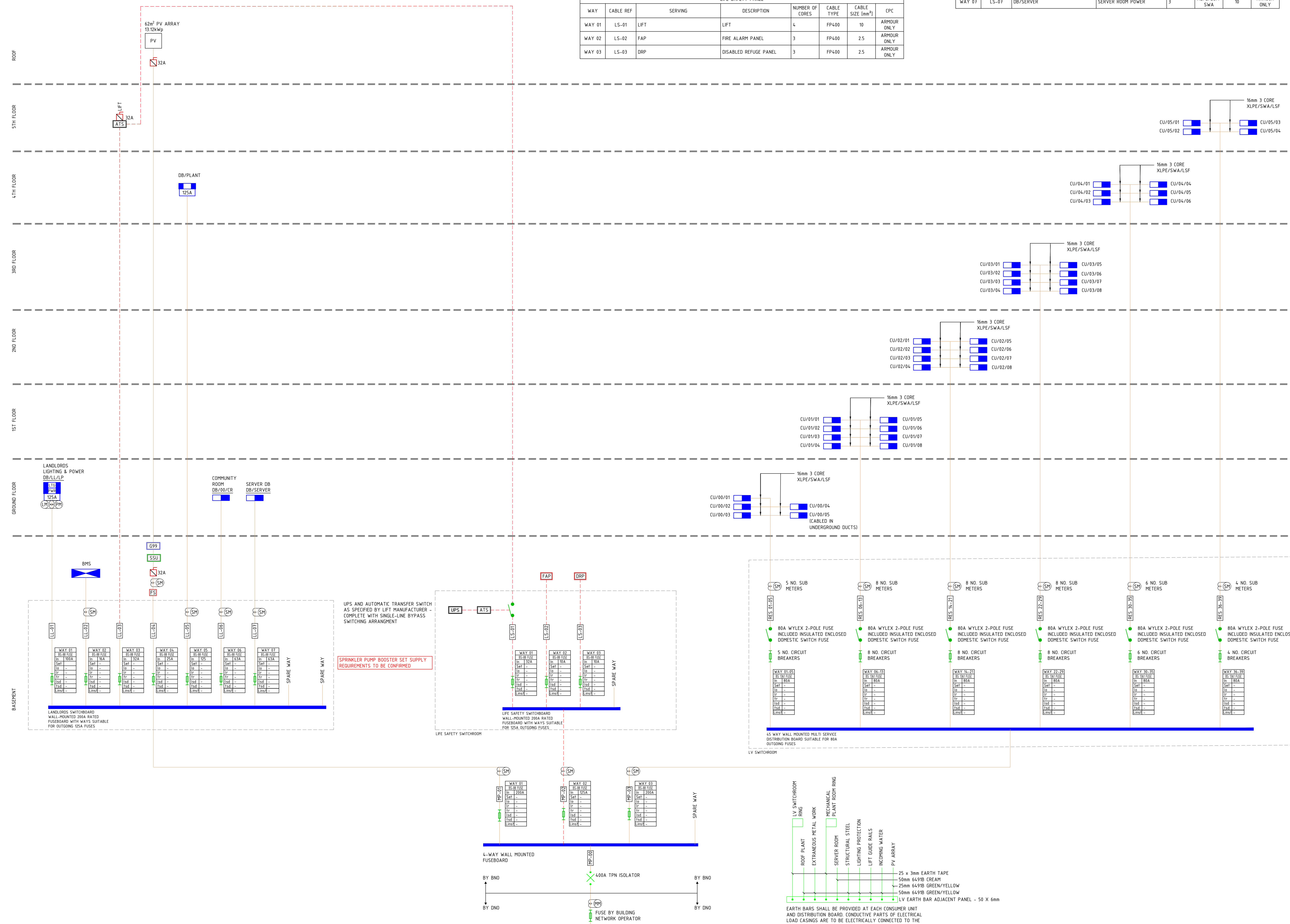
| LANDLORDS FUSEBOARD | | | | | | | |
|---------------------|-----------|-----------|-----------------------------------|-----------------|---------------|-------------------------------|-------------|
| WAY | CABLE REF | SERVING | DESCRIPTION | NUMBER OF CORES | CABLE TYPE | CABLE SIZE (mm ²) | CPC |
| WAY 01 | LL-01 | DB/LL/PL | LANDLORDS LIGHTING AND POWER | 4 | XLPE/LSF/ SWA | 35 | ARMOUR ONLY |
| WAY 02 | LL-02 | BMS | BUILDING MANAGEMENT SYSTEM PANEL | 4 | XLPE/LSF/ SWA | 6 | ARMOUR ONLY |
| WAY 03 | LL-03 | LIFT | LIFT | 4 | XLPE/LSF/ SWA | 10 | ARMOUR ONLY |
| WAY 04 | LL-04 | PV ARRAY | ROOF-MOUNTED PV ARRAY | 4 | XLPE/LSF/ SWA | 6 | ARMOUR ONLY |
| WAY 05 | LL-05 | DB/PLANT | FOURTH FLOOR PLANT SUPPLIES | 4 | XLPE/LSF/ SWA | 35 | ARMOUR ONLY |
| WAY 06 | LL-06 | DB/00/CR | COMMUNITY ROOM LIGHTING AND POWER | 3 | XLPE/LSF/ SWA | 16 | ARMOUR ONLY |
| WAY 07 | LS-07 | DB/SERVER | SERVER ROOM POWER | 3 | XLPE/LSF/ SWA | 10 | ARMOUR ONLY |

LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | FIRE RATED CABLING |
| | LV CABLING |
| | MOULDED CASE CIRCUIT BREAKER (MCCB) |
| | SPAN DISTRIBUTION BOARD (IN DENOTES RATING) |
| | TPAN DISTRIBUTION BOARD (IN DENOTES RATING) |
| | MECHANICAL CONTROL PANEL |
| | TPAN DISTRIBUTION BOARD SPLIT METERED, POWER & LIGHTING (METERS COMPLETE WITH MODBUS INTERFACE) |
| | FUSE (AS DENOTED) |
| | SWITCH (AS DENOTED) |
| | ENERGY SUPPLIER METER |
| | SUB METER WITH MODBUS & PULSE OUTPUT |
| | CONSUMER UNIT |
| | PV INVERTER |
| | DISABLED REFUGE PANEL |
| | FIRE ALARM PANEL |
| | AUTOMATIC CHANGEOVER SWITCH |
| | LOCAL IP65 RATED ISOLATOR |
| | DISCONNECTOR |
| | UPS |
| | FIREMANS PV SWITCH |

NOTES

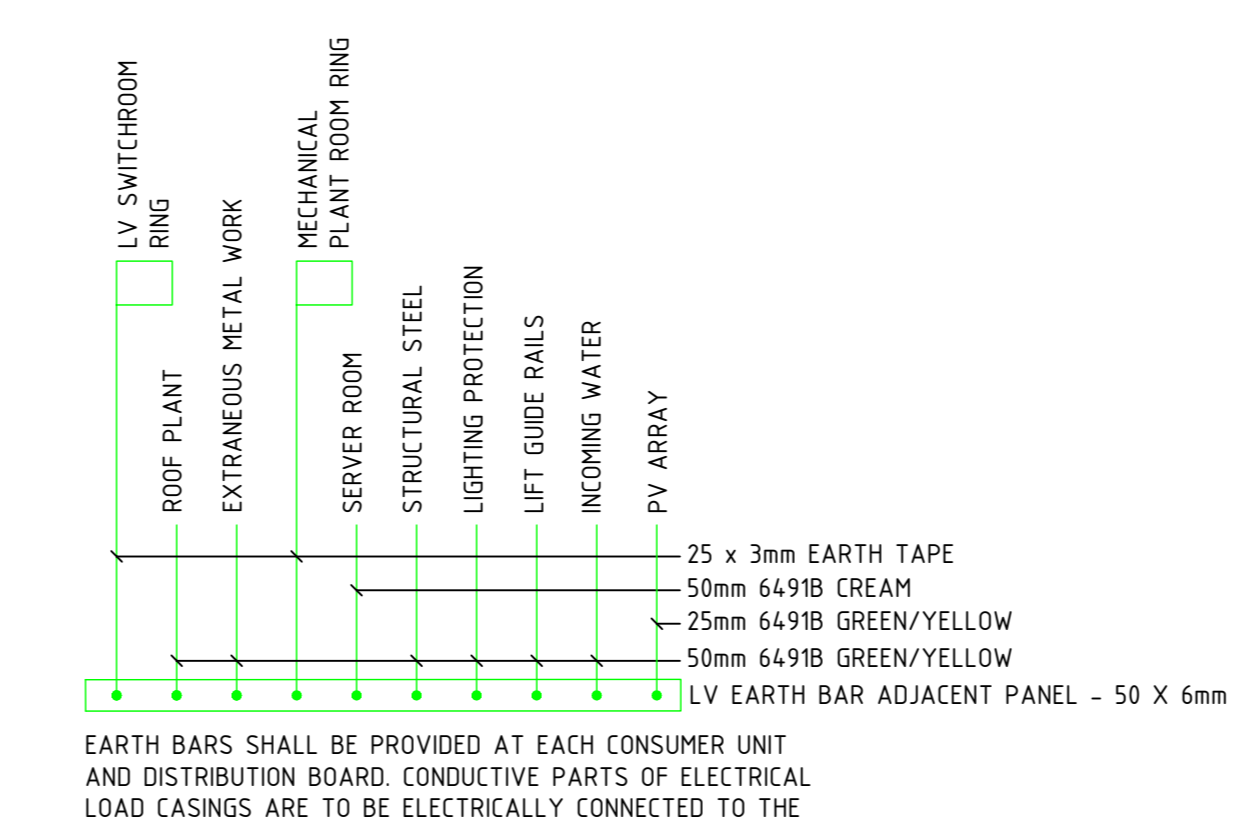
- FOR BUILDING SERVICES INFORMATION ONLY.
- THIS DRAWING SHALL BE READ IN COLOUR.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ELECTRICAL SPECIFICATION AND ALL OTHER RELEVANT DOCUMENTS.
- ALL SERVICES SHALL BE CARRIED OUT IN ACCORDANCE WITH BS7671 18TH EDITION OF WIRING REGULATIONS:2018 AND ALL LATEST AMENDMENTS.
- ALL CONDUCTORS SHALL BE COPPER.
- WARNING NOTICES & RESUSCITATION NOTICES SHALL BE INSTALLED LOCAL TO THE MAIN LV & LIFE SAFETY PANEL BOARDS.
- EARTH BARS ARE TO BE PROVIDED LOCALLY TO EACH CONSUMER UNIT AND DISTRIBUTION BOARD. WITHIN APARTMENTS THE INCOMING BRANCH SERVICES ARE TO BE CONNECTED TO THE EARTH BAR.
- LOCAL LV EARTH TERMINAL BARS ARE TO BE PROVIDED IN ALL PLANT ROOMS. THE EARTH BAR SHALL BE WALL MOUNTED. THE MEB SHALL BE CONNECTED TO A ROOF RING CONDUCTOR (COMPRISED OF FLAT COPPER TAPE) WALL-MOUNTED AND INSTALLED AROUND THE PERIMETER OF THE ROOM.
- ALL METERING WILL BE PROVIDED WITH MODBUS OUTPUT CONNECTION FOR REMOTE MONITORING OF V, A, KVA, KVAR, KW, MD, PF.
- THE MAIN FUSE BOARD, SUB PANEL BOARDS & DISTRIBUTION BOARDS SHALL HAVE 25% SPARE CAPACITY.
- A RUBBER MAT RATED AT 1000V SHALL BE INSTALLED IN FRONT OF ALL PANELS AND BMS.
- SURGE PROTECTION SHALL BE INSTALLED TO SERVICES ENTERING THE BUILDING & TO SUPPLIES FOR COMMS EQUIPMENT, TO EXTERNAL PLANT & EQUIPMENT.
- ADDITIONAL ENERGY METERING INTEGRAL TO MECHANICAL DISTRIBUTION BOARD REQUIRED TO PROVIDE SUB METERING TO THE FOLLOWING END-USE CATEGORIES AS REQUIRED FOR BREAMS:
 - SPACE HEATING/COOLING
 - DOMESTIC HOT WATER HEATING
 - VENTILATION
 - PUMPS
 - CONTROLS
- FINAL DETAILS OF LIFT SUPPLIES AND UPS ARRANGEMENT TO BE CONFIRMED BY LIFT SPECIALIST.



UPS AND AUTOMATIC TRANSFER SWITCH AS SPECIFIED BY LIFT MANUFACTURER - COMPLETE WITH SINGLE-LINE BYPASS SWITCHING ARRANGEMENT

SPRINKLER PUMP BOOSTER SET SUPPLY REQUIREMENTS TO BE CONFIRMED

LV SWITCHROOM



A Ze VALUE OF 0.0480 HAS BEEN USED FOR THE CABLE CALCULATIONS. SITE MEASUREMENT REQUIRED TO VALIDATE CALCULATIONS

P01 STAGE 4 - ISSUED FOR COMMENT 11.12.23
 Ref: Description Date

 Nottingham 0115 975 4141
 Sheffield 0114 242 0113
 London 0207 501 0841
 Leeds 0113 243 2472
 www.andersongreen.co.uk
MORGAN SINDALL
 Stage: STAGE 4
 Project: CAMDEN HOSTELS CAMDEN ROAD
 Title: LV SCHEMATIC
 Drawn: C.BROOK
 Check: V.GRIMLEY
 M.BURKINSHAW A.HIRST
 19.11.2023 A0 1:50
 UNCLASSIFIED
 123007-AGL-CA-ZZ-DR-E-2101 83 P01