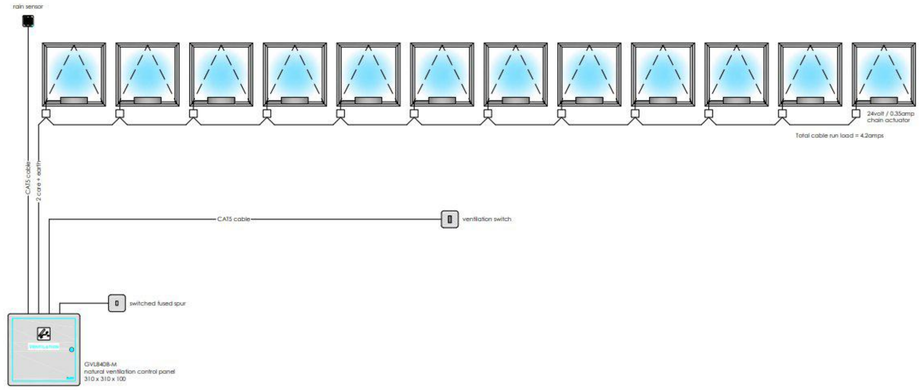
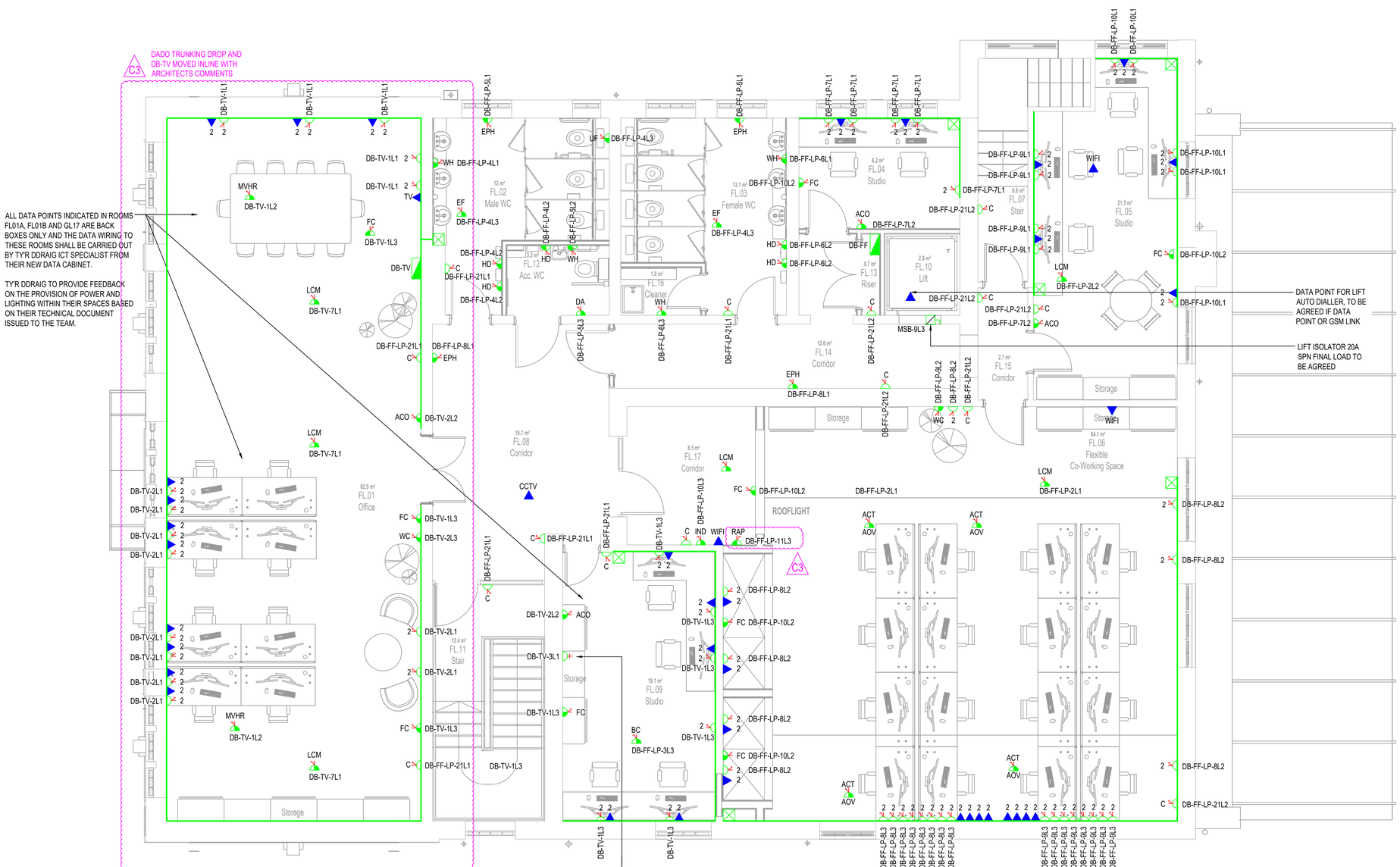



THE DIAGRAM ABOVE HAS BEEN PROVIDED TO DETAIL THE WIRING DIAGRAM BETWEEN THE ROOF ACTUATOR PANEL WITH THE FL.0 1 OFFICE AND THE FIELD ROOF ACTUATORS




| POWER AND DATA LEGEND | |
|---|---|
| SYMBOL | DESCRIPTION |
| 2 | 13A TWIN SWITCHED SOCKET OUTLET USB DENOTES WITH USB SOCKET |
| | 13A SWITCHED FUSED CONNECTION UNIT |
| | 13A UNSWITCHED FUSED CONNECTION UNIT |
| | 3-PIN SPN COMMANDO SOCKET |
| | ISOLATING SWITCH SP&N |
| | ISOLATING SWITCH TP&N |
| | THREE PHASE (TPN) DISTRIBUTION BOARD |
| | THREE PHASE (TPN) SECTION BOARD |
| M | METER |
| | 2-COMPARTMENT UPVC HIGH IMPACT DADO TRUNKING |
| | DADO TRUNKING DROP SECTION |
| | SINGLE DATA RJ45 OUTLET ("2" DENOTES TWIN) |

| ABBREVIATIONS | |
|---|---|
| ACO | ACCESS CONTROL SUPPLY |
| AD | AUTO DOOR SUPPLY |
| C | CLEANERS SOCKET |
| DRAP | DISABLED REFUGE ALARM PANEL |
| DA | DISABLED ALARM SUPPLY |
| EF | EXTRACT FAN SUPPLY |
| EPH | ELECTRIC PANEL HEATER SUPPLY |
| FAP | FIRE ALARM PANEL |
| IND | INDUCTION LOOP SUPPLY |
| MSB | MAIN SWITCH BOARD |
| MVHR | MECHANICAL VENTILATION HEAT RECOVERY |
| ODH | OVER DOOR HEATER |
| LCM | LIGHTING CONTROL MODULE |
| WH | WATER HEATER |
| WIFI | WIFI HUB SUPPLY |
| HB | HEATER BATTERY |
| ACT | ACTUATOR SUPPLY |
| WC | WATER COOLER SUPPLY |
| DW | DISHWASHER SUPPLY |
| CCTV | CCTV CAMERA SUPPLY |
| IAP | INTRUDER ALARM PANEL |
| HD | HAND DRYER |
| UF | URINAL FLUSH SUPPLY |
| RAP | ROOF ACTUATOR PANEL |

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This drawing shall be read in conjunction with the CWC Mechanical and / or Electrical Specification(s).
DO NOT SCALE FROM THIS DRAWING

**DESIGNERS RISK ASSESSMENT**

REFER TO APPENDIX 1 OF M&E SPECIFICATION FOR DESIGNERS RISK ASSESSMENT SCHEDULE

**DRAWING BACKGROUND(S):**

NOTES:

1. DO NOT SCALE OFF THIS DRAWING.
2. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE RELEVANT MECHANICAL AND / OR ELECTRICAL SPECIFICATION(S).
3. ALL DIMENSIONS SHOWN ARE IN mm UNLESS SHOWN OTHERWISE.

SMALL POWER NOTES:

1. ELECTRICAL INSTALLATION TO BE INSTALLED IN ACCORDANCE WITH BS 7671
2. THE CONTRACTOR SHALL UNDERTAKE A DETAILED WIFI ANALYSIS AND OMIT OR SUPPLEMENT WIFI POINTS WHERE REQUIRED PRIOR TO TENDER.
3. DATA SERVICES SHALL BE CABLED TO THE CLOSEST DATA CABINET.
4. DATA CABINETS SHALL BE SERVED VIA XLPE/SWA/LSF CABLING AND TERMINATE INTO AN ADEQUATELY SIZED COMMANDO SOCKED. THIS CIRCUIT SHALL NOT BE PROTECTED BY AN RCD WHERE POSSIBLE. THERE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A RISK ASSESSMENT FOR THIS OMISSION AS PER THE REQUIREMENTS OF BS7671.
5. CLEAN EARTHS SHALL BE PRESENTED TO ALL DATA RACKS.
6. A DEDICATED EARTH BAR SHALL BE INSTALLED AT SOURCE. THIS SHALL INCLUDE A REMOVABLE TEST LINK - THE EARTH BARD SHALL BE A FURESE 8 WAY COOPER EARTH BAR (EQUAL AND APPROVED).
7. CONTRACTOR TO PROVIDE 32A SUPPLY TO LOCAL COMMANDO SOCKET TO SUPPLY COMMS CABINET. THE SUPPLY SHALL BE INSTALLED AT HIGH LEVEL AS NOT TO BE TAMPERED WITH. SUPPLY CIRCUIT TO BE PROVIDED WITH CLEAN EARTH
8. CONTRACTOR TO PROVIDE COMMS CABINET AS PER THE CLIENTS REQUIREMENTS
9. DADO TRUNKING IN GL.01 AND GL.04 TO BE AGREED INLINE WITH HERITAGE AND CADW IN TERMS OF FIXING AND LOCATION TO FURNITURE
10. FINAL KITCHEN EQUIPMENT LAYOUT AWAITED. FINAL LOADS AND LOCATIONS OF ELECTRICAL ITEMS TO BE REVIEWED ONCE KITCHEN DESIGN IS IN PLACE
11. ALL POWER SUPPLIES AND SOCKETS IN THE BASEMENT ARE TO BE MOUNTED AT HIGH LEVEL CIRCA 2200mm AFFL

| Rev | Date | Description | Eng | Chk |
|---|---|---|---|---|
| C3 | 14.04.25 | UPDATED INLINE WITH COMMENTS | BW | SB |
| C2 | 28.03.25 | COMMENTS INCORPORATED | SB | GR |
| C1 | 17.03.25 | CONSTRUCTION ISSUE | SB | GR |

CWC crookes walker consulting
Suite 9a, Bloc, 17 Marble Street
Manchester M2 3AW
Tel: 0161 834 9999
The Plaza, Old Hall Street,
Liverpool L3 9QJ
Tel: 0151 600 5409
E-mail: admin@cwcon.co.uk
Website: www.cwcon.co.uk

Client: wrexham county borough council / cyngor bwrdeistref sirol wrecsam

Project: WREXHAM OLD LIBRARY REFURBISHMENT

Drawing Title: PROPOSED FIRST FLOOR POWER AND DATA LAYOUT

Status: CONSTRUCTION

| Project No. | Drawn | Scale / Paper Size |
|---|---|---|
| 3327 | BW | 1:50 @ A1 |

Drawing No.: 3327-CWC-XX-01-DR-E-6201 Rev C3