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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):

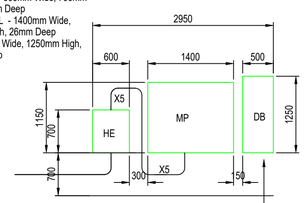
NOTES:

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

HEAD END - 600mm Wide, 700mm High, 250mm Deep
MAIN PANEL - 1400mm Wide, 1150mm High, 26mm Deep
DB - 500mm Wide, 1250mm High, 170mm Deep



DUE TO SPATIAL CONSTRAINTS THIS DB WILL BE MOUNTED/POSITIONED TO THE SIDE WALL OF THE SWITCHROOM AS INDICATED ON THE MAIN PLAN BELOW.

A 6201 DETAIL A
MAIN PANEL BOARD ELEVATION 1:50

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 PANEL BOARD
M	METER
	3-COMPARTMENT UPVC HIGH IMPACT DADO TRUNKING CAT6A DDA COMPLAINT
	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
ACT	ACTUATOR SUPPLY
WC	WATER COOLER SUPPLY
DW	DISHWASHER SUPPLY
CCTV	CCTV CAMERA SUPPLY
IAP	INTRUDER ALARM PANEL
BS	BOOKING IN SYSTEM
LTC	LAPTOP CHARGING STATION
IND	INDUCTION LOOP
FC	FAN COIL UNIT
HL	HIGH LEVEL
FL	FEATURE LIGHTING POWER SUPPLY TO BE BLANKED OFF AND LABELED FOR FUTURE FIT FEATURE LIGHTING

ALL DADO TRUNKING IN ROOMS GL.03 AND GL.04 SHALL BE AGREED WITH HERITAGE CADW AND WCC AS TO LOCATION, HEIGHT AND COLOUR/FINISH.

TO BE FED FROM CONDUIT/WIRING FROM BEHIND AND ACCESSORIES MOUNTED SURFACE TO THE EXISTING WALL LINE IN METAL CLAD BOXES AND ACCESSORIES

SPN ISOLATOR FOR CANOPY EXTRACT

FINAL KITCHEN DETAILS AND SETTING OUT TO BE AGREED INLINE WITH STAGE 4 DESIGN WORKS

POWER SUPPLY FOR ROLLER SHUTTER, FINAL LOAD TBA

GREEN WALL SUPPLY/TV SUPPLY

FUTURE PORTABLE ORANGE BOOTH FURNITURE. POWER AND DATA TO BE PROVIDED ON THE DADO FOR THIS.

42U 800 X 800mm DATA COMMUNICATIONS CABINET TO HOUSE ALL PATCHING SWITCHES, CCTV HEAD END, ACCESS CONTROL SWITCHES AND MAIN FIBRE SWITCH.

TO BE FED FROM CONDUIT/WIRING FROM BEHIND AND ACCESSORIES MOUNTED SURFACE TO THE EXISTING WALL LINE IN METAL CLAD BOXES AND ACCESSORIES

ALL SOCKETS WITHIN THE EXTERNAL ELEVATIONS TO BE WIRED VIA WINDOW SUPPORT FRAME SYSTEM AND WIRED DOWN FRAMING IN KOPEX TO SOCKET LOCATIONS: DB-GF-LP-17L3

SUPPLIES FOR EXTERNAL CONDENSER FOR TV COMPANY AND ASHP UNITS FOR THE BUILDING HEATING AND VENT. FINAL LOADS TO BE AGREED

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

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Project: WREXHAM OLD LIBRARY REFURBISHMENT

Drawing Title: PROPOSED GROUND FLOOR POWER AND DATA LAYOUT

Status: CONSTRUCTION

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

Drawing No. 3327-CWC-XX-00-DR-E-6201 Rev C3