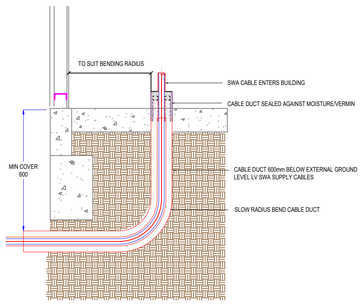


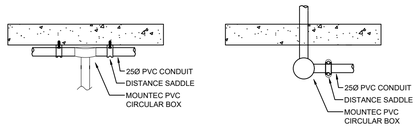
A APENDIX A
6001

NTS



B APENDIX B
6001

NTS

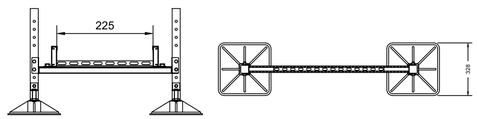


TYPICAL CONDUIT INSTALLATION

TYPICAL CONDUIT INSTALLATION R.T.A

C APENDIX C
6001

NTS



D APENDIX D
6001

NTS

LEGEND	
SYMBOL	DESCRIPTION
M	DNO METER
	NEW EATON 6 WAY THREE PHASE SWITCHBOARD
	EATON THREE PHASE DISTRIBUTION BAORD
BMS	BUILDING MANAGEMENT SYSTEM PANEL
TH	TRACE HEATING PANEL
	DOUBLE POLE SINGLE PHASE ISOLATOR. IP67
	NEW LV DNO CABLING
HDV	HEAVY DUTY GALVANISED CABLE TRAY
	25mm WHITE PVC CONDUIT

INSTALLATION NOTES:

1. ALL CONTAINMENT IS TO BE INSTALLED AS PER MANUFACTURES INSTRUCTIONS, SECURED TO THE BUILDING WALLS USING UNISTRUT AND PLUGS AND SCREWS. UNISTRUT IS TO BE INSTALLED NO FURTHER APART THAN 1200mm
2. ALL WALL PENETRATIONS ARE TO BE MADE GOOD AND TO FOLLOW BUILDING REGULATIONS
3. ALL ISOLATORS ARE TO BE IP67, INSTALLED WITH IP RATED WASHERS INBETWEEN THE GLAND AND ISOLATOR
4. ALL CABLE GLANDS ARE TO BE INSTALLED AS PER MANUFACTURES INSTRUCTION, ENSURING THE GLAND SHROUD IS TIGHT TO PREVENT WATER INGRESS
5. ALL CABLE GLANDS ARE REQUIRED TO BE CW, FOR OUTDOOR INSTALLATIONS
6. ALL GLAND EARTH TAGS ARE TO BE INSTALLED WITH A 6mm EARTH AND BRASS NUTS, BOLTS AND WASHERS
7. ALL CABLING IS TO BE INSTALLED WITH PVC CABLE TIES
8. DB1 IS AN EXSTING DISTRIBUTION BOARD AND IS TO REMAIN AS PART OF THIS PROJECT. MSB-1 IS TO SUPPLY DB1 ONCE THE ELECTRICAL CHANGEOVER HAS COMPLETED.
9. DB-MECH IS TO BE INSTALLED WITHIN THE BOILER ROOM. PLEASE REFER TO DRAWING: 3388-CWC-XX-ZZ-DR-E-6101 FOR INCOMING AND OUTGOING CIRCUIT DETAILS

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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

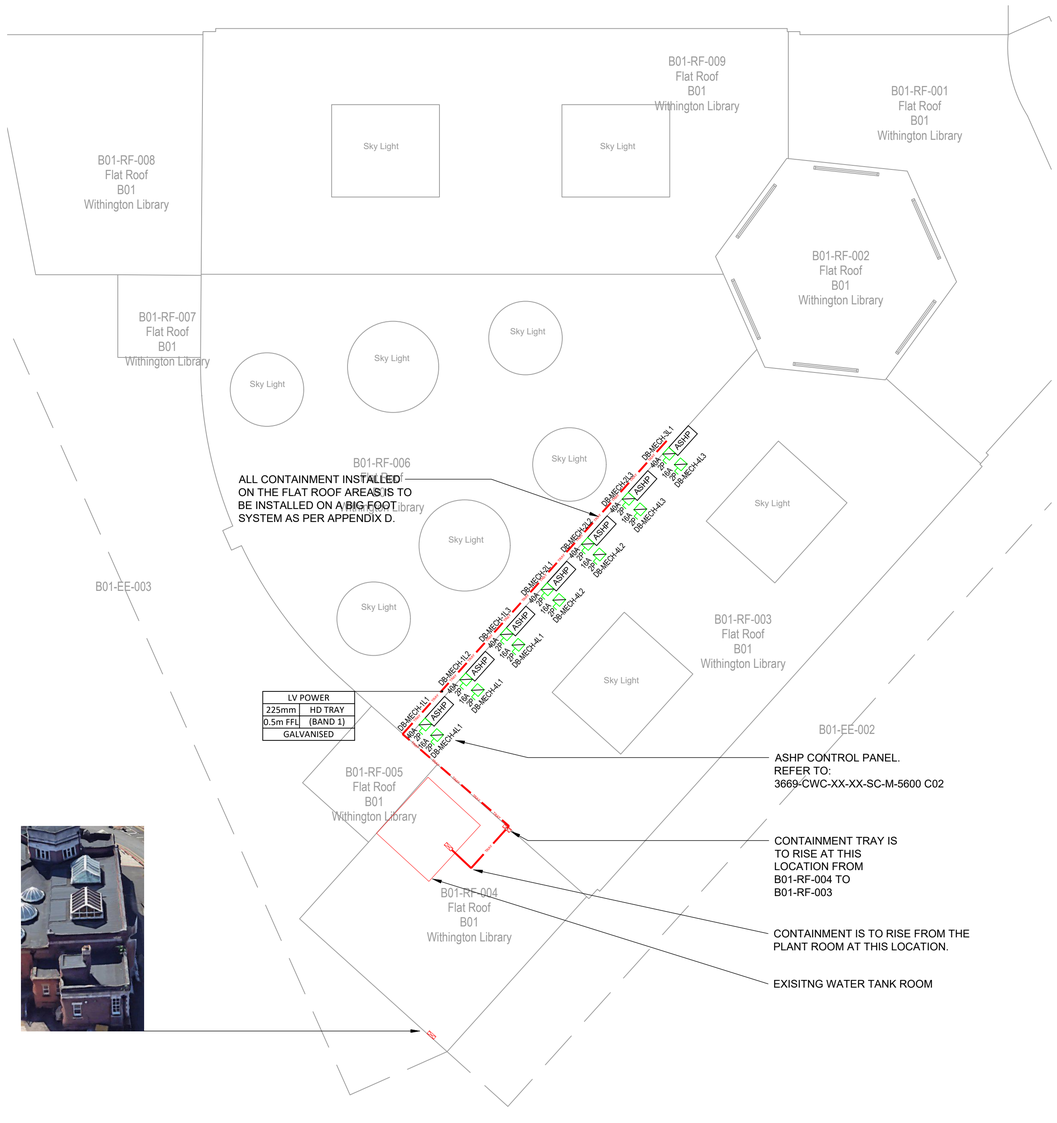
DESIGNERS RISK ASSESSMENT

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

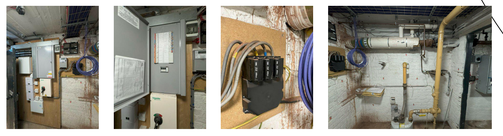
DRAWING BACKGROUND(S):

GENERAL NOTES:

1. THIS DRAWING HAS BEEN DEVELOPED TO RIBA STAGE 5 -IN ACCORDANCE WITH BSRIA BG 6 (2018) DEVELOPED DESIGN DRAWING DEFINITIONS.
2. THE DRAWING DOES NOT INDICATE THE PRECISE POSITION OF SERVICES AND SHOWS THE INTENDED LOCATIONS OF BUILDING SERVICES ITEMS AND SERVICE ROUTES IN SUCH DETAIL AS TO INDICATE THE DESIGN. THE DRAWING DOES NOT SHOW ALL COMPONENTS THAT MAY BE NECESSARY TO LOCATE SERVICES IN A FULLY COORDINATED MANNER.
3. THE ATTACHED DRAWING TO BE READ FULLY IN CONJUNCTION WITH CROOKES WALKERS MEP SPECIFICATION, EQUIPMENT SCHEDULES AND RIBA STAGE 3 DEVELOPED DESIGN DRAWINGS, AS WELL AS OTHER DESIGN TEAM INFORMATION INCLUDING (BUT NOT LIMITED TO) ARCHITECTURE, STRUCTURE AND FIRE ENGINEER.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL COORDINATION OF THE INSTALLATION AND SHALL ACCOUNT FOR ALL OTHER WORKS AND TRADES DURING AND BEFORE THEIR INCORPORATION INTO THE WORKS.
5. COORDINATION WORKING DRAWINGS, INSTALLATION DRAWINGS AND BUILDERS WORK DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR.
6. CROOKES WALKER IS NOT RESPONSIBLE FOR THE DESIGN AND COORDINATION OF ACCESS PLATFORMS, ACCESS COVERS, GRATINGS, LADDERS, STAIRS, RAILS AND PROTECTING ELEMENTS REQUIRED FOR FUTURE ACCESS, MAINTENANCE AND OPERATION OF THE WORKS.
7. THE BURIED SERVICES AND CABLE DUCTS ARE TO BE INSTALLED IN ACCORDANCE WITH THE NATIONAL JOINT UTILITIES GROUP (NJUG) GUIDELINES FOR ON THE POSITIONING AND COLOUR CODING OF UNDERGROUND UTILITIES.
8. THE CONTRACTOR SHALL REFER TO THE GPR SURVEY OF THE SITE AND UNDERTAKE SAFE TO DIG PROCEDURES PRIOR TO ANY WORKS BEING CARRIED OUT ON SITE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE PRECISE SERVICES LOCATIONS -THROUGH ADDITIONAL SURVEYS IF REQUIRED.



LOCATION OF EXISTING REC SERVICE HEAD AND METER LOCATED IN THE BASEMENT GAS INTAKE ROOM (B01-B1-005)



EXISTING INCOMING REC SERVICE HEAD, METER AND DISTRIBUTION BOARD (DB1) WITHIN THE BASEMENT GAS INTAKE ROOM.

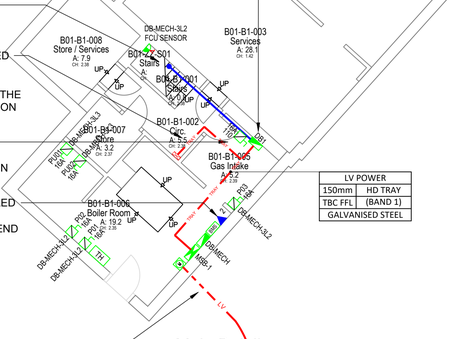
EXISTING INCOMING SUPPLY SHALL BE UPGRADED TO ACCOMMODATE THE PROPOSED ASHP INSTALLATION. REFER TO DRAWING REF: 3669-CWC-XX-ZZ-DR-E-6101 FOR PROPOSED LV SCHEMATIC

25mm WHITE PVC CONDUIT TO RISE TO ABOVE HERE AS PER APPENDIX C

225mm HEAVY DUTY GALVANISED CABLE TRAY TO RISE AT THIS LOCATION TO GROUND LEVEL, PROVIDING A CABLE ROUTE TO THE NEW AIR SOURCE HEAT PUMPS ON THE ROOF.

16 AMP 110V -10KA COMANDO SOCKET TO BE INSTALLED FR TEMPERORY ABESTOS WORKS IN PLANTROOM

NEW DATA POINT TO BE INSTALLED BY OTHERS TO ENABLE BMS CONNECTIVITY FOR MCC HEAD END FOR BMS



PROPOSED CABLE ROUTE FOR UPGRADED DNO ELECTRICAL SUPPLY. TO BE REVIEWED IN CONJUNCTION WITH GPR SURVEY AND COORDINATED WITH ENWL AS REQUIRED. REFER TO APPENDIX A & B

Rev	Date	Description		
AF	13.04.26	AS FITTED	JS	GR

CWC crookes walker consulting
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The Plaza, Old Hall Street,
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Tel: 0151 600 5409
E-mail: admin@cwcon.co.uk
Website: www.cwcon.co.uk

Client

KEYIS

Project

WITHINGTON DISTRICT LIBRARY, MANCHESTER DECARBONISATION SCHEME

Drawing Title

PROPOSED EXTERNAL SERVICES LAYOUT DRAWING

Status

AS FITTED

Project No.	Drawn	Scale / Paper Size
3669	BW	1:100 @ A1

Drawing No. 3669-CWC-XX-ZZ-DR-E-6001 Rev AF