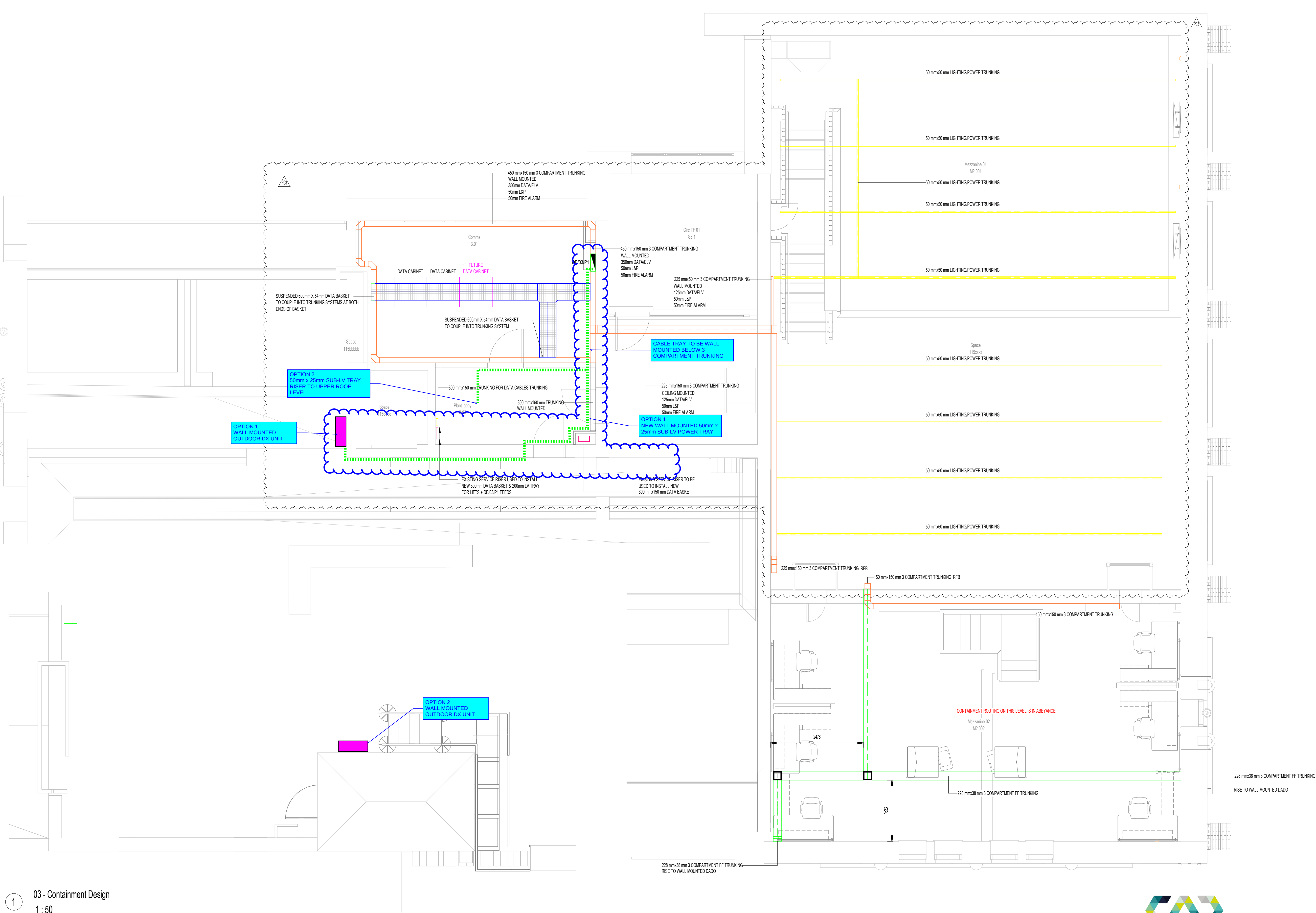




03 - Containment Design
1 : 50



DISCIPLINE	ASSIGNED STATUS	CHK	DATE
MAIN CONTRACTOR	A B C		
CLIENT	A B C		
ARCHITECT	A B C		
STRUCTURAL CONSULTANT	A B C		
SERVICES CONSULTANT	A B C		
OTHER 1	A B C		
OTHER 2	A B C		
OTHER 3	A B C		

REFERENCE DRAWINGS :			
ARCHITECTURAL	- RBUM-BI-XX-XX-M3-A-000002 Rev 22-09-25		
STRUCTURAL	- N/A		
CONSULTANT	- CAD 21		

- NOTES
- CONTAINMENT
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE RELEVANT MECHANICAL AND ELECTRICAL SERVICES PERFORMANCE SPECIFICATION, DISTRIBUTION BOARD SCHEDULES AND ASSOCIATED LAYOUT DRAWINGS.
 - A COMPLETE AND COMPREHENSIVE CABLE CONTAINMENT SYSTEM SHALL BE PROVIDED TO ACCOMMODATE AND SUPPORT ALL SUB MAIN CABLING THROUGHOUT THEIR LENGTH FROM THE MAIN SECTION BOARD WITHIN THE PLANT ROOM
 - SUITABLE FIRE BARRIERS TO ALL PENETRATIONS THROUGH THE FIRE COMPARTMENTS AND BARRIERS. REFERENCE SHOULD BE MADE TO THE FIRE STRATEGY DRAWING TO ASCERTAIN BARRIER/COMPARTMENT CONSTRUCTION AND RATING
 - CONTAINMENT SHALL CARRY CABLES OF ONLY ONE VOLTAGE BAND WHERE ALL SUCH CABLES MUST BE INSULATED TO LV GRADES. ELV BASKET MAY CONVEY SECURITY, FIRE ALARM AND EMERGENCY LIGHTING WHERE THE WIRING SYSTEMS ARE ALL ELV WITH VGRAD INSULATION AND THEY ARE CORRECTLY SCREENED/SEGREGATED. PEL WILL CONFIRM THAT ALL CABLES LISTED AND PROVIDED WITH LV GRADE INSULATION
 - UNDER NO CIRCUMSTANCES MAY FIRE ALARM/EMERGENCY LIGHTING CABLES BE ROUTED ON LV CONVEYANCE SYSTEMS.
 - PEL WILL OBSERVE THE MINIMUM SEPARATION BETWEEN DISSIMILAR VOLTAGE BAND CONVEYANCE SYSTEMS.
 - ALL ELV CABLES MUST BE TERMINATED IN ACCORDANCE WITH THEIR INTENDED TERMINATING IMPEDANCE. ALL CABLES SHALL BE TERMINATED CORRECTLY BY TESTING AND CERTIFICATION.
 - PEL WILL PROVIDE SMALL TRUNKING LID SECTIONS FOR PENETRATIONS THROUGH FIRE BARRIERS SUCH THAT REMOVAL OF LID DOES NOT AFFECT FIRE SEAL AROUND TRUNKING. THE CONTRACTOR SHALL PROVIDE A DURABLE LABEL TO TRUNKING LID WHERE FIRE BARRIERS ARE WITHIN TRUNKING.
 - MULTI-COMPARTMENT CABLE TRUNKING SYSTEMS TO BE ROUTED AT HIGH LEVEL AS EXISTING WITHIN CORRIDORS
 - ALL SERVICES IN CORRIDORS TO BE BACK ENTRY FED VIA SURFACE INSTALLED CONDUITS
 - FINAL DATA CONTAINMENT SIZING AND ROUTING TO BE CONFIRMED WHEN DATA OUTLET STRATEGY HAS BEEN FINALISED

LEGEND:	
	BASKET
	LADDER
	TRAY
	TRUNKING
	DATA/COMMS
	ELV/FA
	SUBMAIN
	LIGHTING & POWER
	3 COMPARTMENT FOR DATA/ELV / L&P & FA
	FA
	3 COMPARTMENT 228 x 38mm
	FITTED FLOOR TRUNKING (FF)
	FLUSH FLOOR TRUNKING
	FLAT 90deg TYPE
	FLOOR BOX
	DIMENSIONS - 333mmL x 310mmW x 65mmD

P03	20.10.25	PRELIMINARY - Design Updated	AH	DS
P02	12.06.25	PRELIMINARY - COMMENTS INCORPORATED	AH	DS
P01	15.04.25	GA UPDATED - RBUM-BI-XX-XX-M3-A-000002	AH	DS
Rev	Date	Description	DR	CH

Client:
UNIVERSITY OF MANCHESTER

Main Contractor:
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Originator:
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PEL

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Project:
UNIVERSITY OF MANCHESTER RUTHERFORD BUILDING

Drawing Title:
ELECTRICAL SERVICES
CONTAINMENT THIRD FLOOR
GENERAL ARRANGEMENT LAYOUT

Date of Issue:	Revision	DRW:	CHK:	APPROVED:	Scale
15.04.25	P03	AH	DS	DT	As indicated
Prj.	Org.	Volume	Level	File Type	Role
C244	PEL	XX	03	DR	E
					Number
					67003