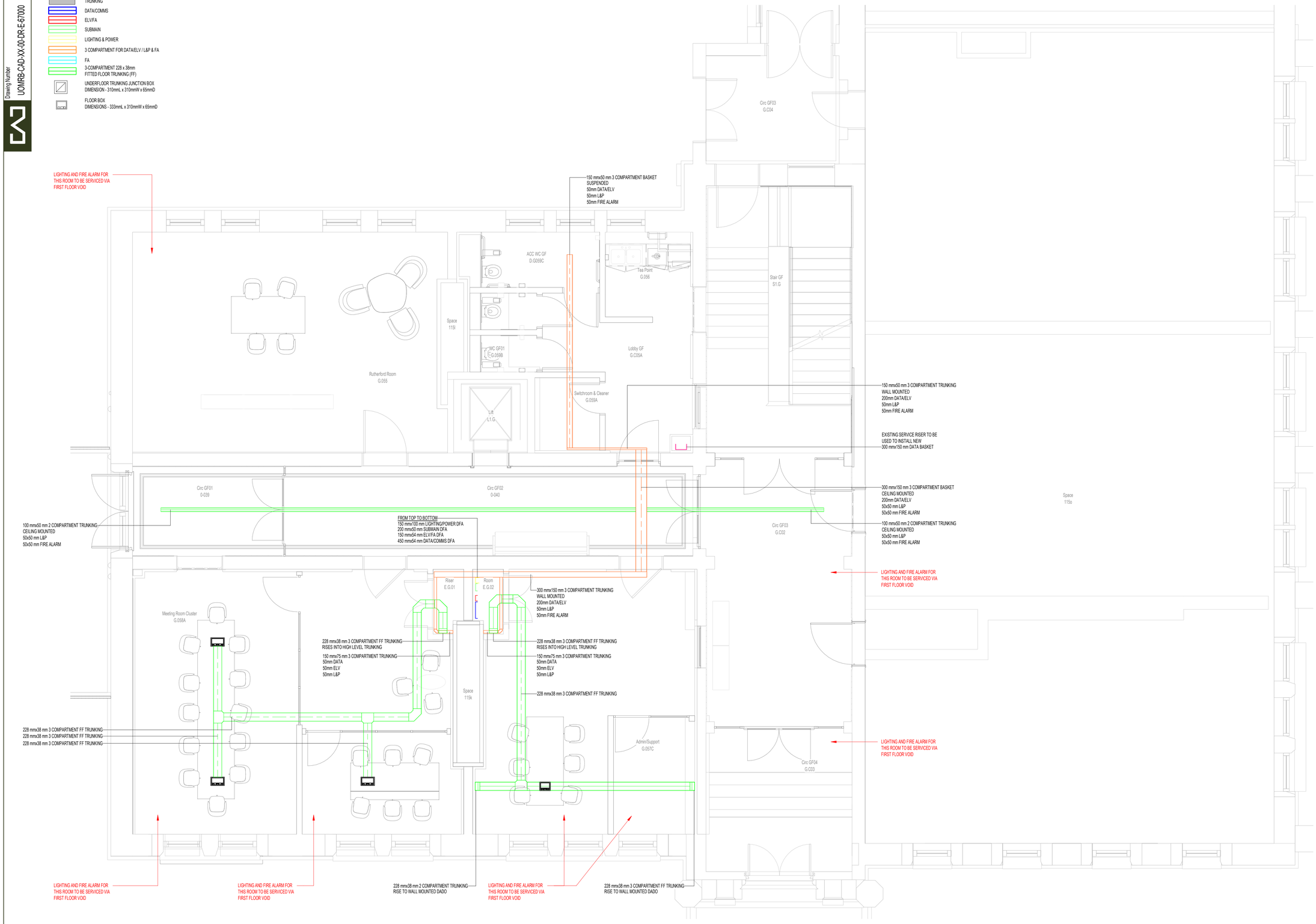
Rev C02

Drawing Number UOMRB-CAD-XX-00-DR-E-67000

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)
- UNDERFLOOR TRUNKING JUNCTION BOX DIMENSION - 310mmL x 310mmW x 65mmD
- FLOOR BOX DIMENSIONS - 333mmL x 310mmW x 65mmD



1 00 - Containment Design
1 : 50

NOTES:
THIS IS A DESIGN DRAWING NOT AN INSTALLATION DRAWING.
DIMENSIONS SHOULD NOT BE SCALED.
SITE DIMENSIONS TO BE CHECKED BEFORE PRODUCTION OF CRITICAL MANUFACTURING DRAWINGS.
THE DRAWING IS COPYRIGHT AND NO PART MAY BE REPRODUCED WITHOUT WRITTEN CONSENT.

CONTAINMENT

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE RELEVANT MECHANICAL AND ELECTRICAL SERVICES PERFORMANCE SPECIFICATION, DISTRIBUTION BOARD SCHEDULES AND ASSOCIATED LAYOUT DRAWINGS.
2. 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
3. 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
4. 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 VGRADE INSULATION AND THEY ARE CORRECTLY SCREENED/SEGREGATED. THE CONTRACTOR SHALL CONFIRM THAT ALL CABLES LISTED AND PROVIDED WITH LV GRADE INSULATION
5. UNDER NO CIRCUMSTANCES MAY FIRE ALARM/EMERGENCY LIGHTING CABLES BE ROUTED ON LV CONVEYANCE SYSTEMS.
6. THE CONTRACTOR MUST OBSERVE THE MINIMUM SEPARATION BETWEEN DISSIMILAR VOLTAGE BAND CONVEYANCE SYSTEMS.
7. ALL ELV CABLES MUST BE TERMINATED IN ACCORDANCE WITH THEIR INTENDED TERMINATING IMPEDANCE. ALL CABLES SHALL BE TERMINATED CORRECTLY BY TESTING AND CERTIFICATION.
8. THE CONTRACTOR SHALL 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.
9. MULTI-COMPARTMENT CABLE TRUNKING SYSTEMS TO BE ROUTED AT HIGH LEVEL AS EXISTING WITHIN CORRIDORS
10. ALL SERVICES IN CORRIDORS TO BE BACK ENTRY FED VIA SURFACE INSTALLED CONDUITS
11. FINAL DATA CONTAINMENT SIZING AND ROUTING TO BE CONFIRMED WHEN DATA OUTLET STRATEGY HAS BEEN FINALISED

Rev					
C02	STAGE 4 ISSUE - MCC COMMENTS INCORPORTATED				
	By: JD	Chkd: DH	Date: 06.12.24	App: AD	
C01	STAGE 4 CONTRACT ISSUE				
	By: JN	Chkd: DH	Date: 16.08.24	App: AD	

Status	Description	Stage
A4	STAGE 4A COMPLETED	4

Client: MANCHESTER 1824 The University of Manchester

Project: UNIVERSITY OF MANCHESTER RUTHERFORD BUILDING

Drawing: ELECTRICAL SERVICES CONTAINMENT GROUND FLOOR GENERAL ARRANGEMENT LAYOUT

CAD 21 LTD BUILDING SERVICES & ENERGY CONSULTING ENGINEERS
NEWCASTLE ▫ TEESSIDE ▫ YORKSHIRE ▫ NORTH WEST

Drawing Number	Revision
UOMRB-CAD-XX-00-DR-E-67000	C02

Scale	Size
As indicated	A1

Drawing Origins :
RBUM-IBI-XX-XX-M3-A-000002 Rev 24110B