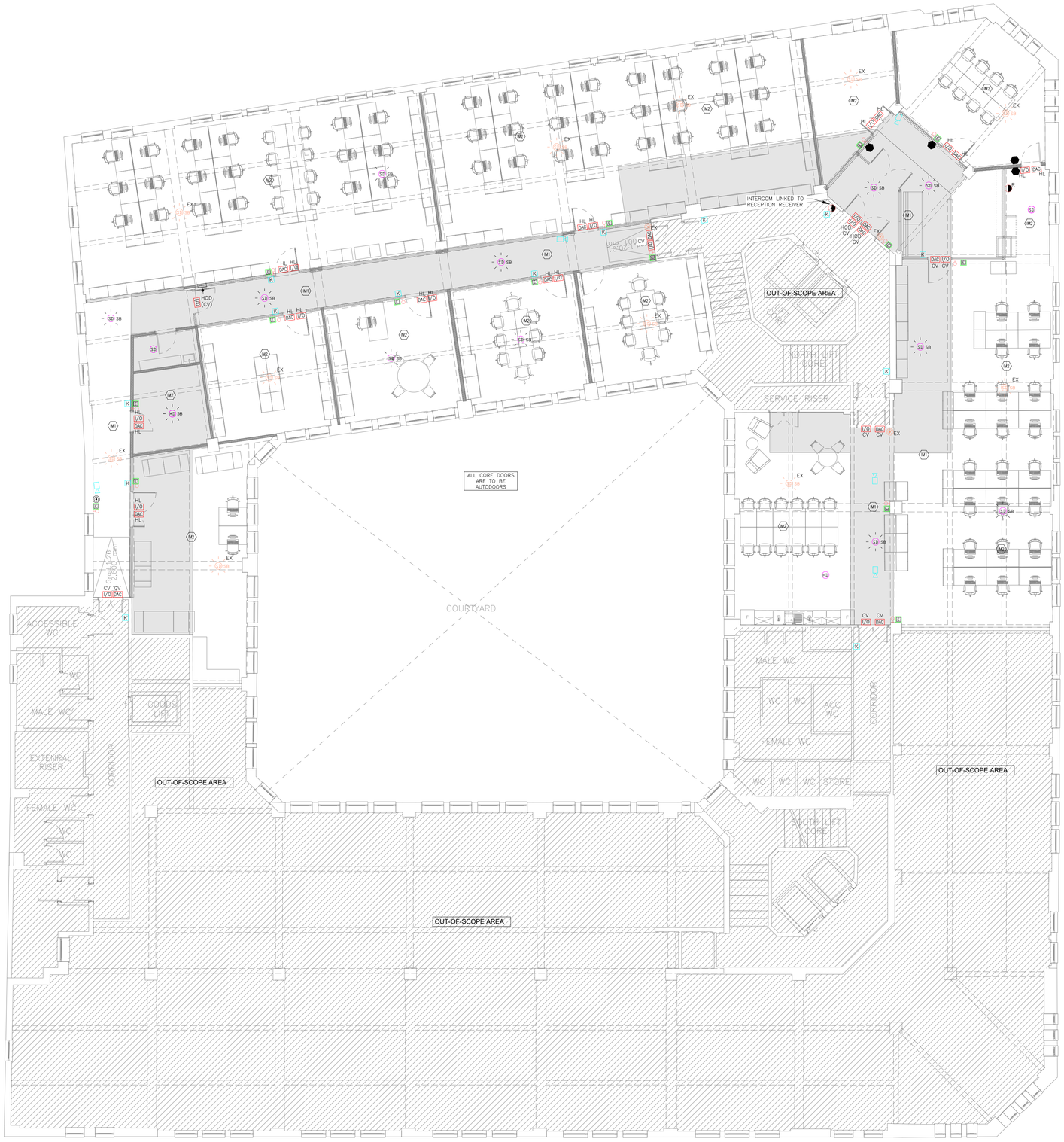


ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED.

DO NOT SCALE FROM THIS DRAWING. IF IN DOUBT ASK.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND ALL OTHER PROJECT DOCUMENTATION.

AUDIBLE dB LEVELS (APPROX)

- A SOUND LEVEL (SPL) IS TO BE PROVIDED OF AT LEAST 65dB(A), BUT NO GREATER THAN 120dB(A) THROUGHOUT ALL ACCESSIBLE AREAS OF THE BUILDING.
- SL THROUGHOUT THE BUILDING STAIRCORES MAY BE REDUCED TO 60dB(A) IF NECESSARY.
- ENCLOSURES LESS THAN 60m² MAY BE REDUCED TO 60dB(A) IF NECESSARY.
- WHERE A CONTINUOUS BACKGROUND NOISE LEVEL GREATER THAN 60dB(A) IS PRESENT THE FIRE ALARM SIGNAL SHOULD BE 5dB ABOVE THE AMBIENT, BUT NOT GREATER THAN 120dB(A).
- WHERE IT IS NOT POSSIBLE TO PLACE A SOUNDER WITHIN A ROOM, THERE WILL BE A LOSS OF APPROX 20dB(A) THROUGH A STANDARD DOOR, AND 30dB(A) THROUGH A FIRE DOOR.
- ALARM BELL SOUND TO REDUCE AT A RATE OF 6dB FOR EACH DOUBLING DISTANCE THROUGHOUT THE BUILDING – E.G. 2m = –6dB REDUCTION, 4m = –12dB REDUCTION ETC.

BUILDERSWORK

- CEILINGS, IN AREAS OF WORK, TO BE REMOVED AND RE-INSTATED TO FACILITATE NEW WIRING
- HOLES THROUGH FLOORS/WALL
- FIRE STOPPING HOLES THROUGH FLOORS/WALLS

DESIGNERS RISK ASSESSMENT

- WORKING IN OCCUPIED AREAS
- RESTRICTED ACCESS
- WORKING AROUND EXISTING CABLES (ELECTRIC & DATA)
- ASBESTOS

FIRE ALARM INTERFACES

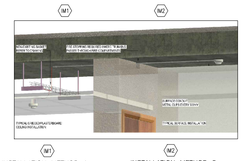
- FIRE ALARM INTERFACES REQUIRED TO THE FOLLOWING:
  - LIFTS – TO RETURN TO GROUND FLOOR & DOORS TO OPEN
  - DOOR ACCESS CONTROLS – TO RELEASE UNDER FIRE CONDITION
  - MECHANICAL PLANT
- DOOR ACCCESS CONTROL INTERFACES TO BE INSTALLED WITHIN RISERS)SHOWN NEXT TO DOORS THEY ARE FEEDING FOR REFERENCE ONLY)
- THE ELECTRICAL CONTRACTOR TO SURVEY EXISTING BUILDING TO CONFIRM ALL FIRE ALARM INTERFACE LOCATIONS

FIRE ALARM AND DETECTION NOTES

1. THIS DRAWING IS A PRELIMINARY DESIGN DRAWING ONLY.
2. THE ELECTRICAL SUB-CONTRACTOR SHALL PREPARE HIS OWN CONSTRUCTION/WORKING DRAWINGS BASED UPON THIS AND OTHER ARCHITECTURAL AND STRUCTURAL ENGINEERING DRAWINGS (AVAILABLE FROM OTHERS).
3. ALL PLANT AND EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
4. ALL INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF BS7671 (IET WIRING REGULATIONS).
5. ALL INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS OF BS5839 AND THE INSTALLING CONTRACTOR SHALL BE BAFE REGISTERED UNDER SCHEME SP203-1, INSTALLING CONTRACTOR TO BE LPCB/BRE LPS 1014 CERTIFIED (FIRE DETECTION & ALARM SYSTEMS) & BAFE SP201 (LPS 1014) CERTIFIED.
6. INSTALLATION TO BE CARRIED OUT USING RED FP200 ENHANCED CABLING AS A FLUSH INSTALLATION. (120 Min)
7. INCLUDE FOR LOOP ISOLATORS BETWEEN EACH ZONE/SUB COMPARTMENT EVERY 20 DEVICES.
8. LED INDICATORS TO BE MOUNTED ON CEILING TILES BELOW DETECTOR IN VOID.
9. ACCESS CONTROL TO USE A FAIL SAFE BATTERY SYSTEM.
10. VOID DETECTION TO BE INSTALLED IN CEILING VOIDS WHICH EXCEED 800mm
11. ALL INSTALLATIONS SHALL COMPLY WITH CURRENT BS5839-1:2025
12. SCHEME IS TO COMPLY WITH CURRENT EDITION OF; MECHANICAL, ELECTRICAL & PUBLIC HEALTH (MEP) STANDARD SPECIFICATION & GUIDANCE (TECHNICAL ANNEX) GPA-WDG-TA-XX-MEP-001 AND FIRE SAFETY TECHNICAL ANNEX.
13. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING SPECIFICATION

LEGEND

- SB NEW SMOKE DETECTOR
- HD NEW HEAT DETECTOR
- HD SB NEW SMOKE / HEAT DETECTOR
- SB NEW SMOKE DETECTOR c/w SOUNDER BASE BEACON
- V VOID DETECTOR
- EX SB EXISTING SMOKE DETECTOR c/w SOUNDER BASE BEACON TO BE RETAINED
- EX FACP EXISTING FIRE ALARM PANEL TO BE RETAINED
- NEW MANUAL CALL POINT
- EX EXISTING MANUAL CALL POINT TO BE RETAINED
- I/O NEW FIRE ALARM INTERFACE UNIT
- DAC NEW DOOR ACCESS CONTROL UNIT
- NEW SWIPE CARD READER
- NEW PUSH TO EXIT BUTTON
- K NEW GREEN EMERGENCY BREAK GLASS
- R NEW VIDEO INTERCOM RECEIVER
- DOOR HOLD OPEN DEVICE
- K NEW PROXIMITY AND PIN ENTRY DEVICE
- NEW SURFACE MOUNTED CCTV CAMERA
- CV CEILING VOID
- HL HIGH LEVEL
- HOD DOOR HOLD OPEN
- M1 INSTALLATION METHOD 1: GRIDDED / PLASTERBOARD CEILING INSTALLATION
- M2 INSTALLATION METHOD 2: SURFACE MOUNTED INSTALLATION



M1 INSTALLATION METHOD 1 GRIDDED/PLASTERBOARD CEILING INSTALLATION

M2 INSTALLATION METHOD 2 SURFACE INSTALLATION

Revision	Date	Description
P06	01.07.26	RIBA STAGE 4
P05	19.06.26	RIBA STAGE 4
P04	29.05.26	RIBA STAGE 4
P03	16.04.26	TENDER ISSUE
P02	02.04.26	TENDER ISSUE
P01	13.03.26	PRELIMINARY STAGE 4 ISSUE

Client & Site

SUNLIGHT HOUSE
LITTLE QUAY STREET
MANCHESTER
M3 3HP

Title

PROPOSED FIRE & SECURITY LAYOUT
8TH FLOOR

Steven A. Hunt & Associates
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T 0151 427 8009
W www.stevenhunt.com E info@stevenhunt.com

Scale: 1:100 Size: A1 Drawn: RC Chkd: DK

ISO19650 Compliant

Drawing No.

Project	Origin	Zone	Level	File Type	Role	Number	Suitability	Rev:
4745	SHA	XX	08	DR	E	3000	S2	P06

PRELIMINARY

Y:\4745 - Sunlight House\03 Drawings\2 D Structural Engineering\Revit\R24 - File 8th Floor.dwg
Plotted: 01/07/2026 15:47:08 By: Richard Cooper Plot Scale: 100.000 mm = 1 mm Plot Area: Layout: A1 ISSUE SHEET SIZE: A1