



The University of Manchester
Network Transformation Project (WLAN)



Deansgate Library
Installation Pack

Prepared by



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1 Overview

1.1 AP Name Key

This document presents the final position of all APs within this location following a detailed survey.

AP naming convention:

New or refreshed APs will be named using the following format

FXX-T-M(A)

Where:

- F = Floor Number
- XX = AP Number
- T = AP Type
 - H = AP-535
 - L = AP-515
 - B = AP-303
- M = Mount Type
 - C = Ceiling or other horizontal mounting e.g. cable tray
 - W= Wall
 - O = Oberon Bracket
- (A) = Action - AP locations
 - R = Refresh
 - M = Move
 - N = New

So, for example, a ceiling mount AP-535, which is the first AP on floor 4 and is to be moved from an existing wall mount location, would be named:

401-H-C(M)

Other AP labels

(D) = Decommission AP location

There may be a requirement to fully decommission an AP position within the site. These AP locations have been marked with a (D). This AP position is no longer required.

(K) = Keep AP location and leave AP (AP does not need refreshing\replacing)

These APs are already of a minimum standard and do not need any action.

Cabinet and comms rooms locations that were identified during the survey are marked on the floorplan with red hatching.

1.2 WLAN AP Overview

Below highlights the total AP(s) following refresh and installation activity (Total APs) across each floor.

The New AP Hardware section highlights the number of APs required per model that you will require*.

Level	(M)	(N)	(D)	Total	New AP Hardware		
					Aruba 515	Aruba 535	Aruba 303
Deansgate Library - Level -15 - Sub Basement Floor	1	8	0	9	9	0	0
Deansgate Library - Level -5 - Basement Floor	0	2	0	2	2	0	0
Deansgate Library - Level 00 - Ground Floor	0	2	0	2	2	0	0
Deansgate Library - Level 10 - First Floor	0	8	0	10	8	0	0
Deansgate Library - Level 20 - Second Floor	3	2	0	5	5	0	0
Deansgate Library - Level 30 - Third Floor	0	6	0	6	6	0	0
Deansgate Library - Level 40 - Fourth Floor	0	7	0	7	7	0	0
Total	4	35	0	41	41	0	0

The total new AP Hardware may not match the total numbers under each heading (R,K,D,M,N). Do not worry, the combined total 'New AP Hardware' will match the combined total of R,M,N as this represents the new APs to be installed.

Table Key:

R= APs that require replacement in their current position

K = APs that are to be left. No work is required to these APs

D = APs that require decommissioning. The AP location is no longer required

M = APs that need to be moved from existing location to a new location

N = Brand new AP location

1.3 Installation Guidance Notes (Please Read)

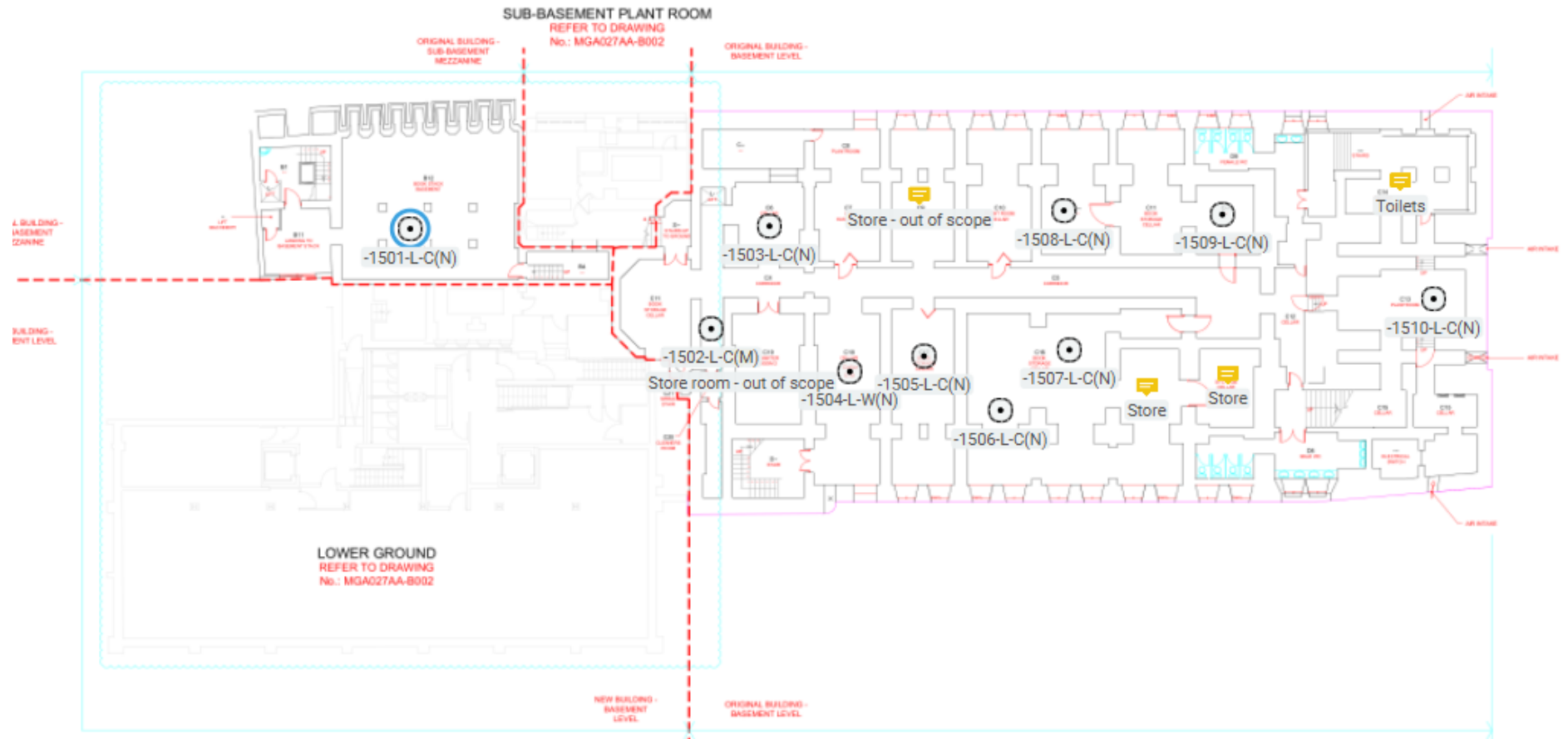
- 1) **Please** install APs whether refreshed, moved or new, as per the floor diagrams within this pack. To support the location of AP point, photos will be presented in this pack after each floor diagram. Please note: where access was not granted, photos are unavailable to aid the installation).
- 2) **Where AP locations are marked as (D) 'decommission'** please ensure you remove this AP.
- 3) **The plotted recommended AP locations on each floor diagram are the desired install location.** Should the direct location not be available due to restrictions, please advise the project team immediately.
- 4) **The APs should** be installed/mounted as per the naming convention on page 4.
- 5) **Each data point at the AP is to be labelled** with the patching details as to the terminated cabling to the Comms room patch panel and **recorded on the floor plan.**
- 6) The additional **AP stickers** that contain the Serial number, Mac address and barcode etc are **to be attached to the floor plan and with a clear line pointing to the AP location installed to.** This enables us to identify where each actual AP is once you have installed it.
- 7) **If the AP is marked to be moved,** please where possible re-use any existing cabling should it be deemed acceptable to re-use (refer to EPM PM19). There will be occasions where a new cable(s) will need to be run.
- 8) Please ensure you complete this document fully **to enable sign off of the site.**
- 9) Please refer to EPM PM19 for cabling policy and procedures.
- 10) **There may be AP locations that require installing outside of EPM PM19 procedures.** The photos that are provided for the install will correctly identify the location that has been approved for install.

Questions should be referred to the project team if not sure.

NOTE: When carrying out a **MOVE AP** task, the original AP location will be within a 3-meter radius. Any queries in relation to a MOVE AP, please contact the project team.

2 AP Locations

2.1 Deansgate Library - Level -15 - Sub Basement Floor



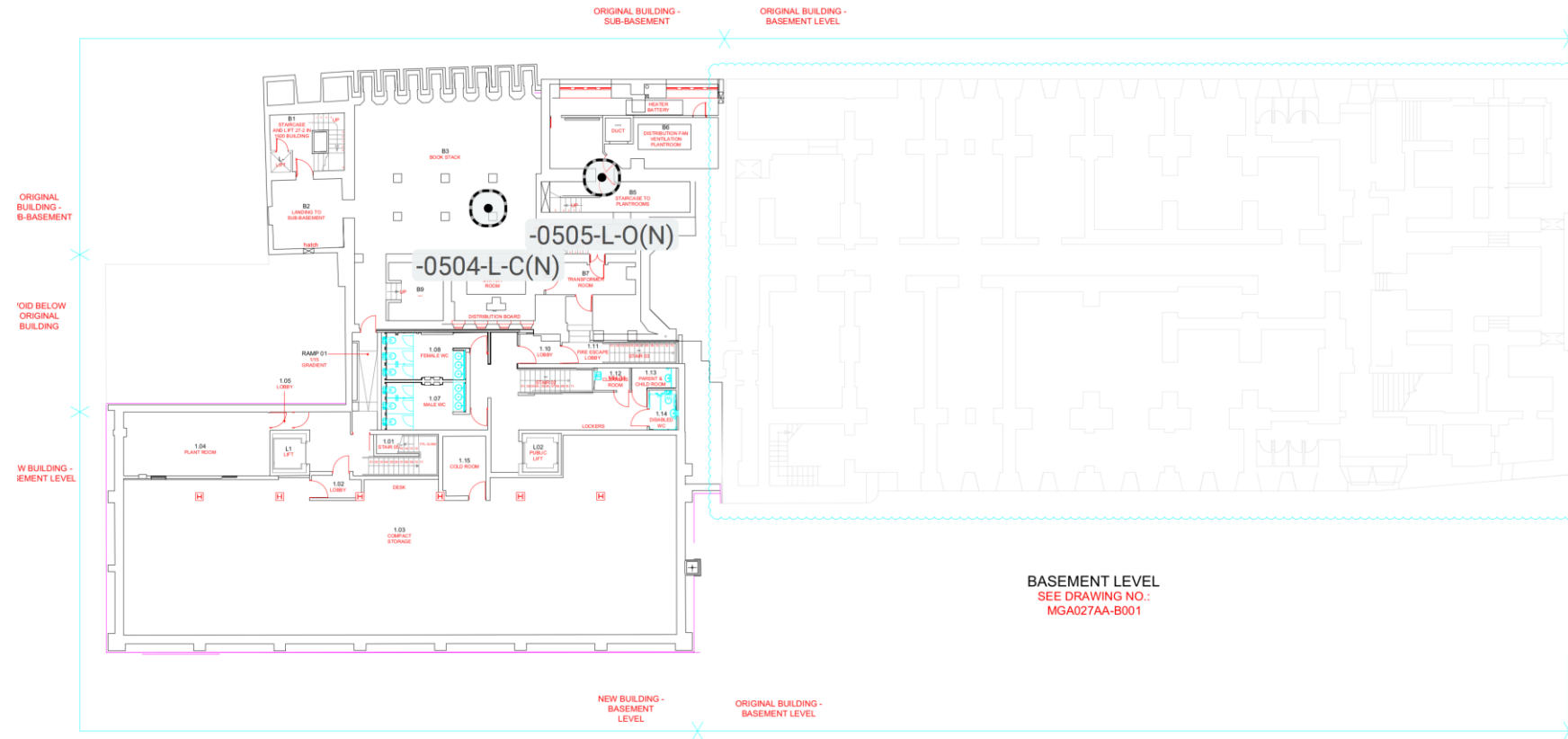


AP Name	Mounting	Location	Antenna Type
-1501-L-C(N)	Mounted on tray.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1502-L-C(M)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1503-L-C(N)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1504-L-W(N)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1505-L-C(N)	To be mounted on or off tray where possible to prevent drilling.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1506-L-C(N)	As per PEL Survey report.	Deansgate Library - Level -	Internal

		15 - Sub Basement Floor	
AP Name	Mounting	Location	Antenna Type
-1507-L-C(N)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1508-L-C(N)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1509-L-C(N)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal
AP Name	Mounting	Location	Antenna Type
-1510-L-C(N)	As per PEL Survey report.	Deansgate Library - Level - 15 - Sub Basement Floor	Internal

3 AP Locations

3.1 Deansgate Library - Level -5 - Basement Floor





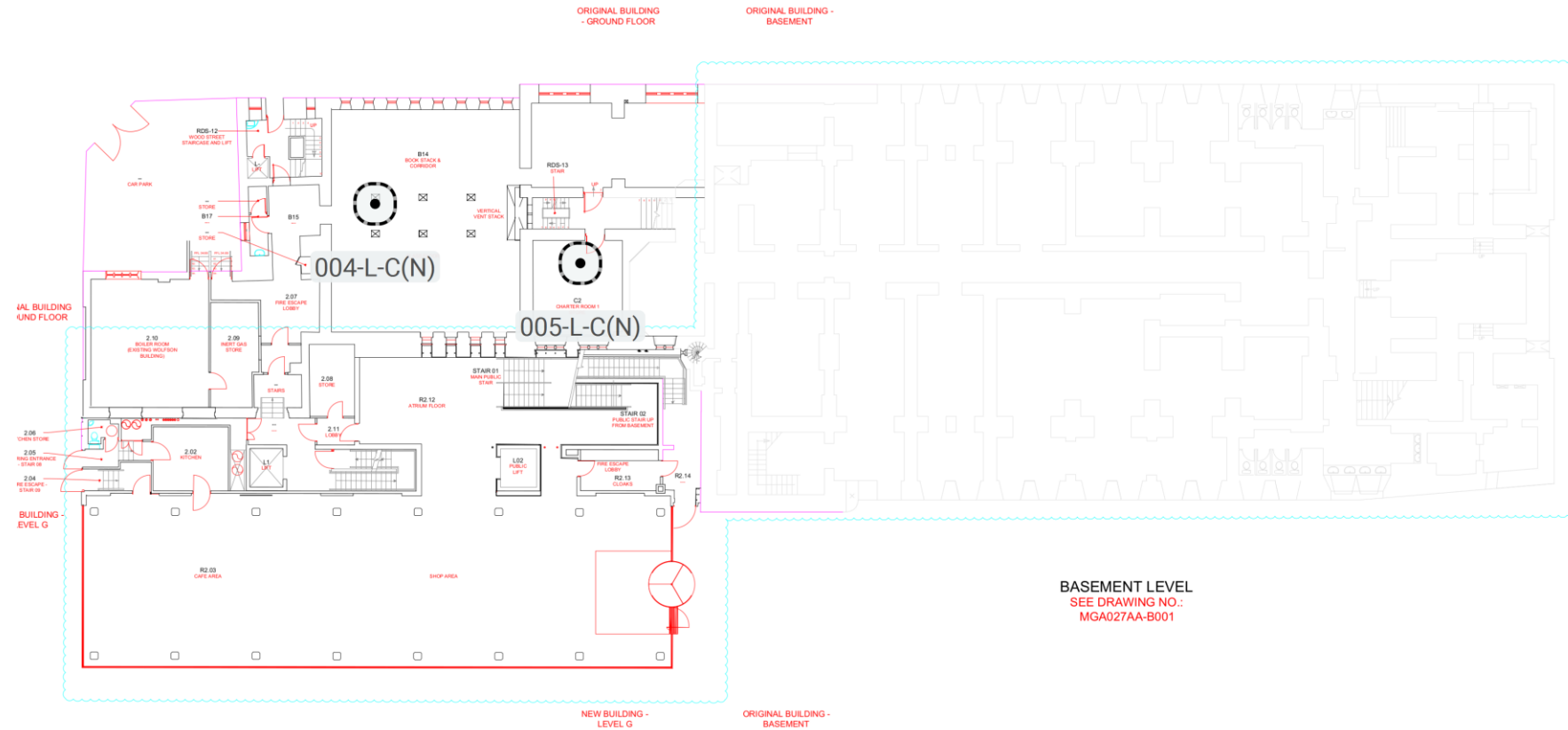
AP Name	Mounting	Location	Antenna Type
-0504-L-C(N)	Mounted on tray.	Deansgate Library - Level -5 - Basement Floor	Internal



AP Name	Mounting	Location	Antenna Type
-0505-L-O(N)	Wall mounted.	Deansgate Library - Level -5 - Basement Floor	Internal

4 AP Locations

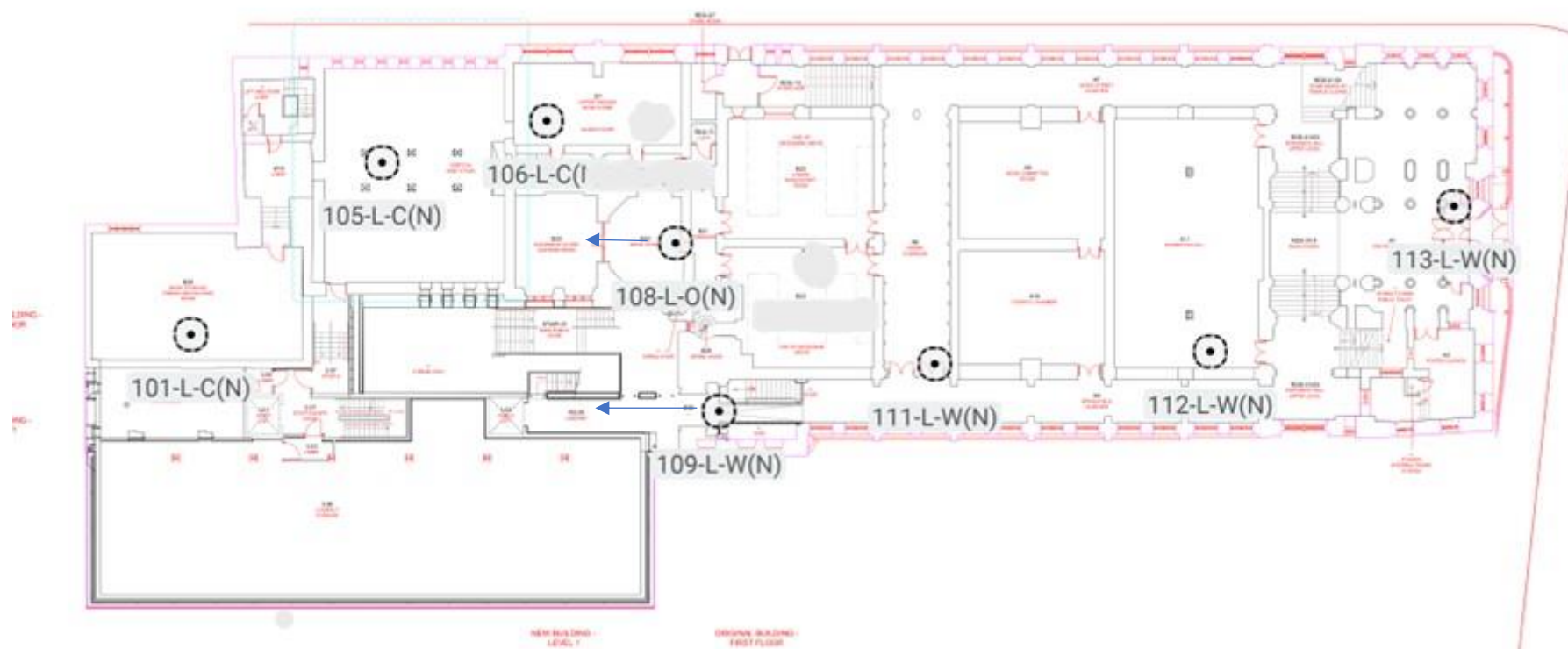
4.1 Deansgate Library - Level 00 - Ground Floor



AP Name	Mounting	Location	Antenna Type
004-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 00 - Ground Floor	Internal
AP Name	Mounting	Location	Antenna Type
005-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 00 - Ground Floor	Internal

5 AP Locations

5.1 Deansgate Library - Level 10 - First Floor

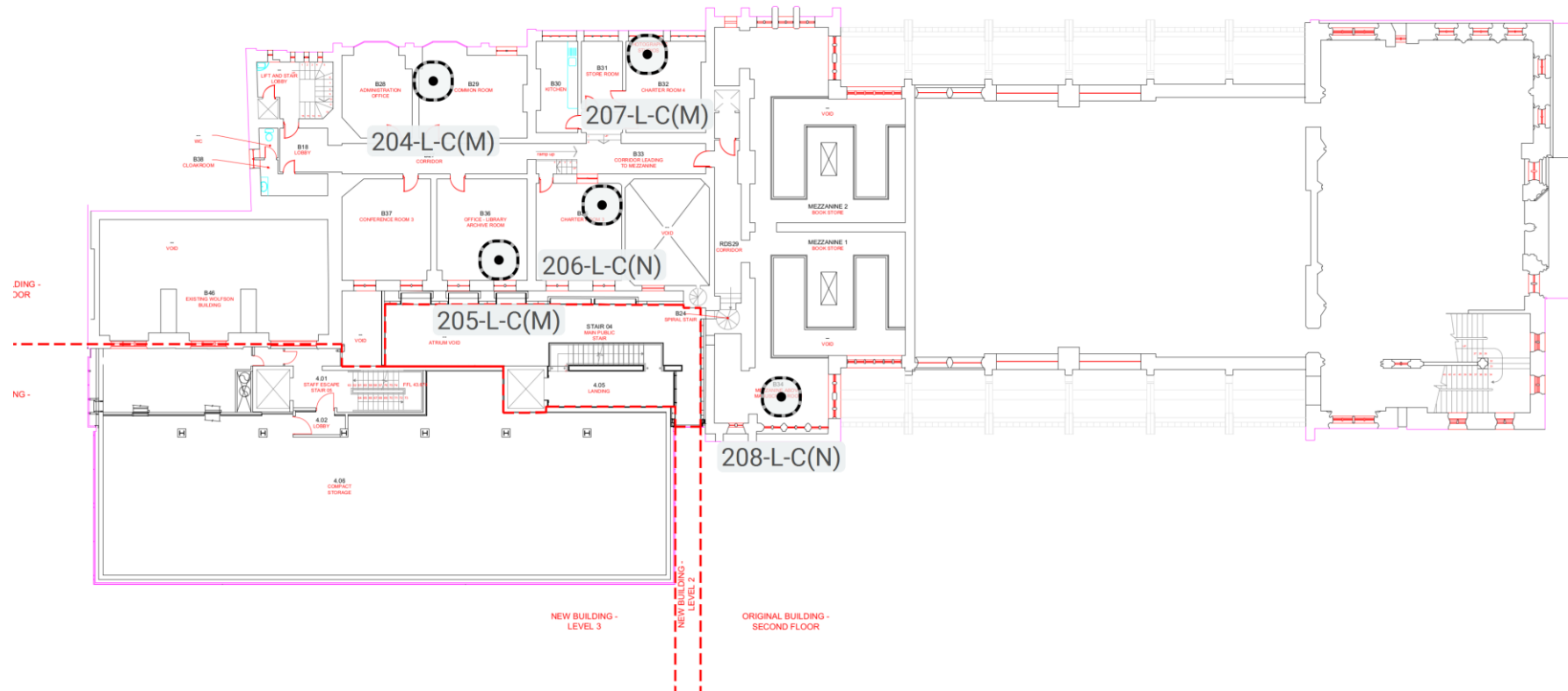


AP Name	Mounting	Location	Antenna Type
101-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal
AP Name	Mounting	Location	Antenna Type
105-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal
AP Name	Mounting	Location	Antenna Type
106-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal
AP Name	Mounting	Location	Antenna Type
108-L-O(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal
			
AP Name	Mounting	Location	Antenna Type
109-L-C(N)	Mount on ceiling in new part of building. Minimal or no containment required.	Deansgate Library - Level 10 - First Floor	Internal
AP Name	Mounting	Location	Antenna Type
111-L-W(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal
AP Name	Mounting	Location	Antenna Type

112-L-W(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal
AP Name	Mounting	Location	Antenna Type
113-L-W(N)	As per PEL Survey report.	Deansgate Library - Level 10 - First Floor	Internal

6 AP Locations

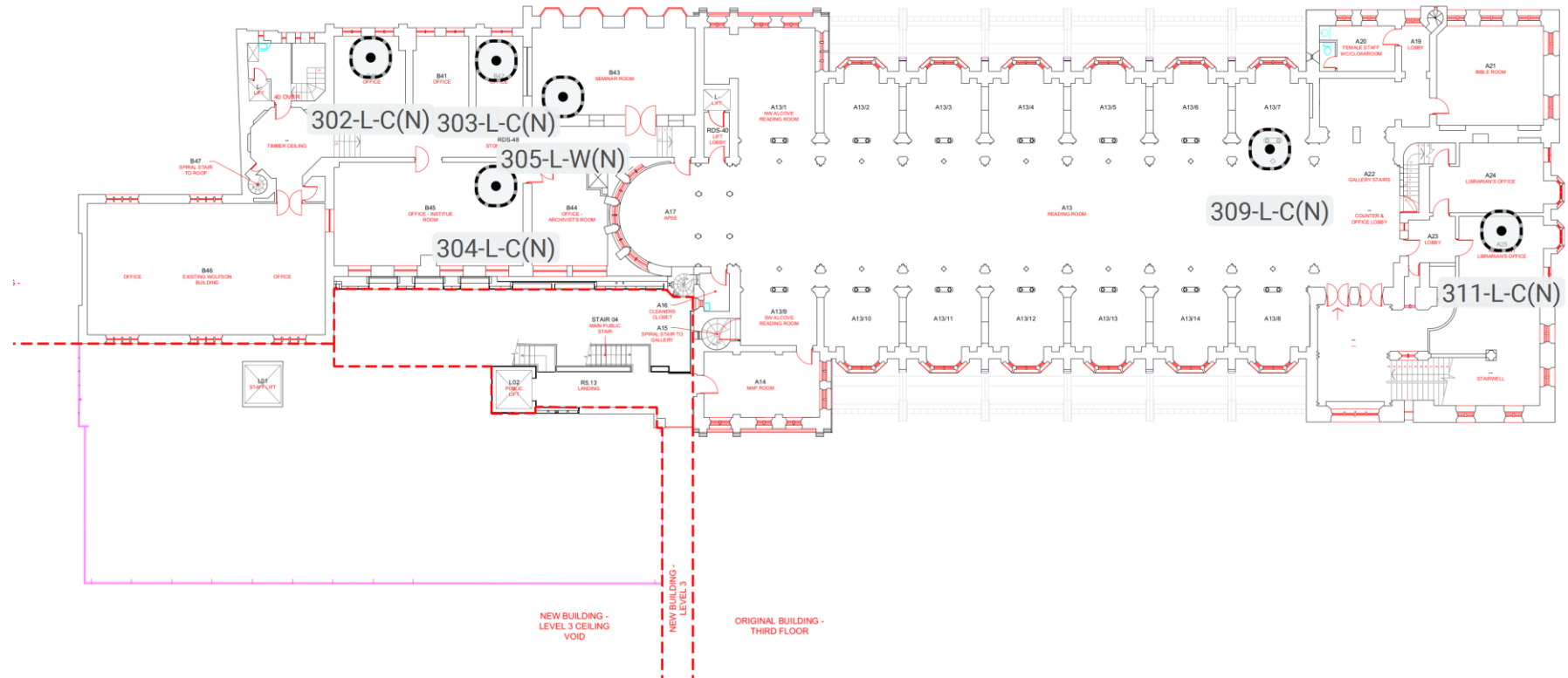
6.1 Deansgate Library - Level 20 - Second Floor



AP Name	Mounting	Location	Antenna Type
204-L-C(M)	As per PEL Survey report.	Deansgate Library - Level 20 - Second Floor	Internal
AP Name	Mounting	Location	Antenna Type
205-L-C(M)	As per PEL Survey report.	Deansgate Library - Level 20 - Second Floor	Internal
AP Name	Mounting	Location	Antenna Type
206-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 20 - Second Floor	Internal
AP Name	Mounting	Location	Antenna Type
207-L-C(M)	As per PEL Survey report.	Deansgate Library - Level 20 - Second Floor	Internal
			
AP Name	Mounting	Location	Antenna Type
208-L-O(N)	Mount on wall with no containment. Cables to run up riser behind panel in corner of room.	Deansgate Library - Level 20 - Second Floor	Internal

7 AP Locations

7.1 Deansgate Library - Level 30 - Third Floor



AP Name	Mounting	Location	Antenna Type
302-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 30 - Third Floor	Internal
AP Name	Mounting	Location	Antenna Type
303-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 30 - Third Floor	Internal
AP Name	Mounting	Location	Antenna Type
304-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 30 - Third Floor	Internal
AP Name	Mounting	Location	Antenna Type
305-L-W(N)	As per PEL Survey report.	Deansgate Library - Level 30 - Third Floor	Internal
			
AP Name	Mounting	Location	Antenna Type
309-L-C(N)	Location to match / mirror the other APs in the space with the use of a snap on cover painted dark brown.	Deansgate Library - Level 30 - Third Floor	Internal
AP Name	Mounting	Location	Antenna Type
311-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 30 - Third Floor	Internal

[illegible]

AP Name	Mounting	Location	Antenna Type
405-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal
AP Name	Mounting	Location	Antenna Type
406-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal
AP Name	Mounting	Location	Antenna Type
407-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal
AP Name	Mounting	Location	Antenna Type
408-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal
AP Name	Mounting	Location	Antenna Type
409-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal
AP Name	Mounting	Location	Antenna Type
410-L-C(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal
AP Name	Mounting	Location	Antenna Type
411-L-W(N)	As per PEL Survey report.	Deansgate Library - Level 40 - Fourth Floor	Internal