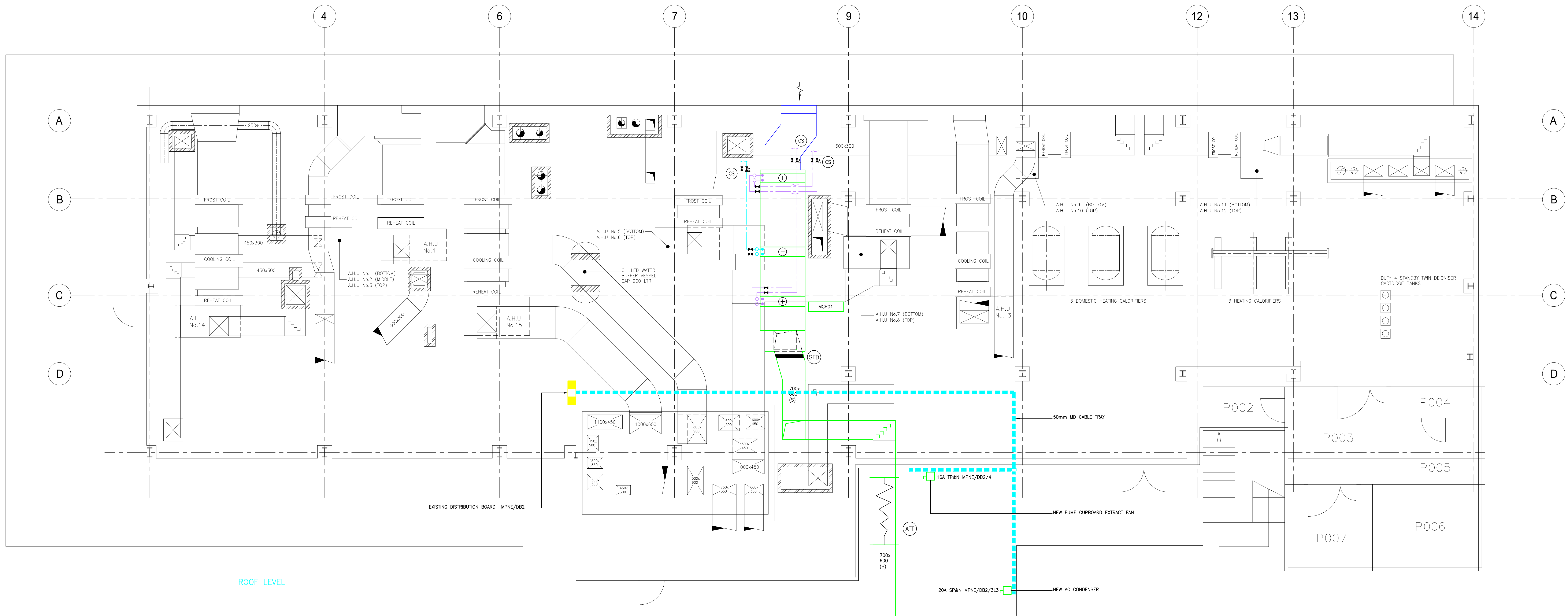
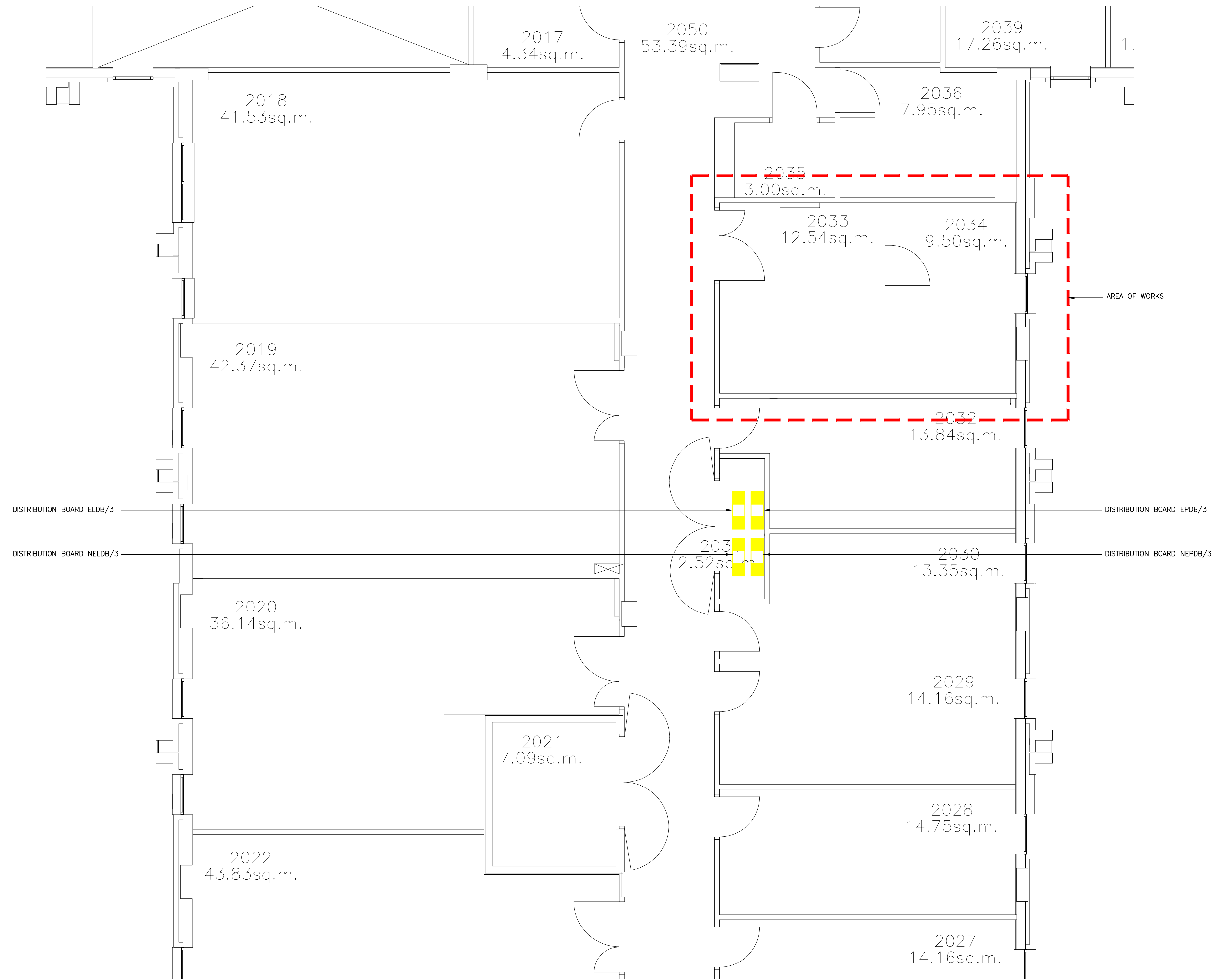
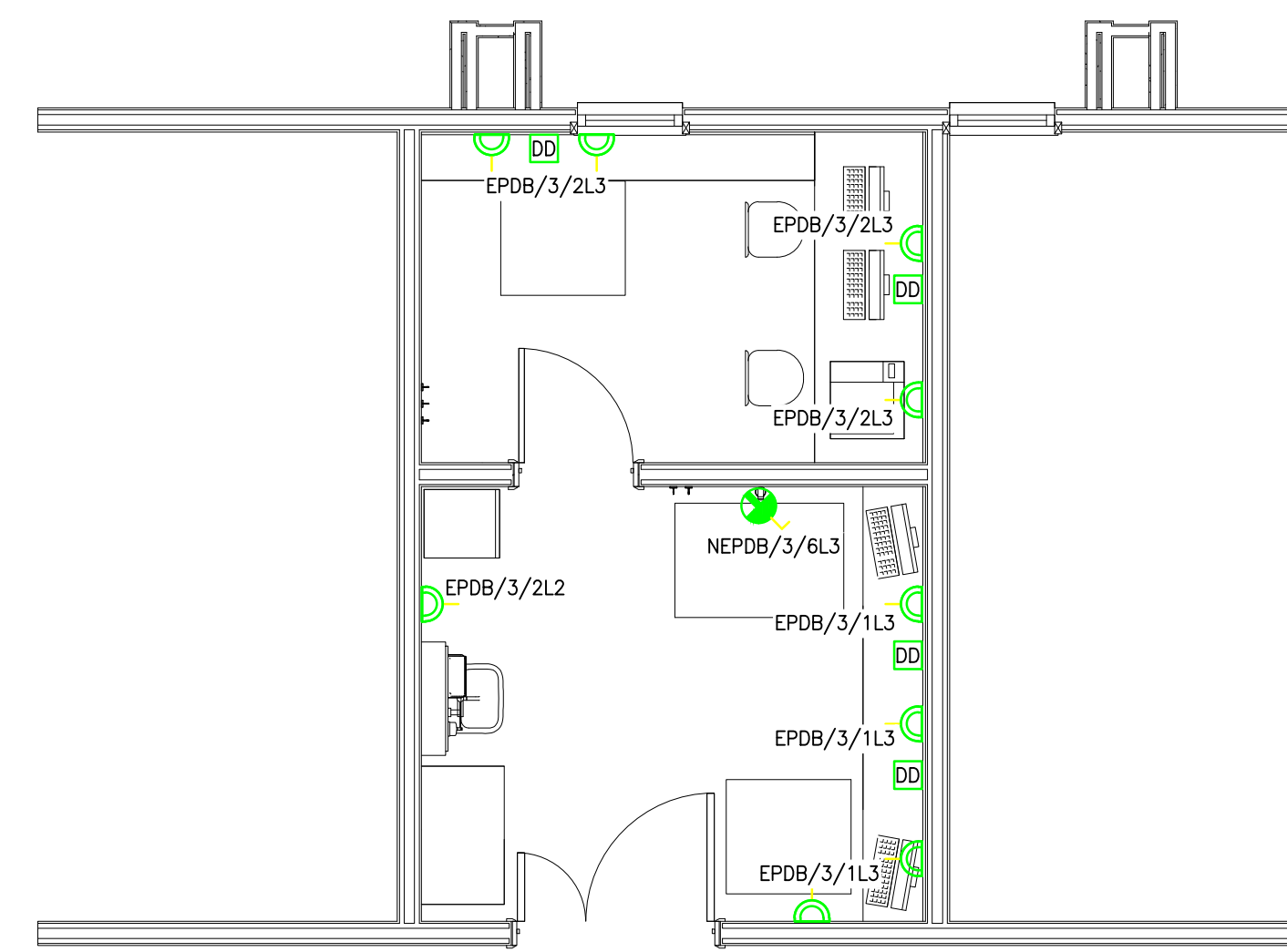




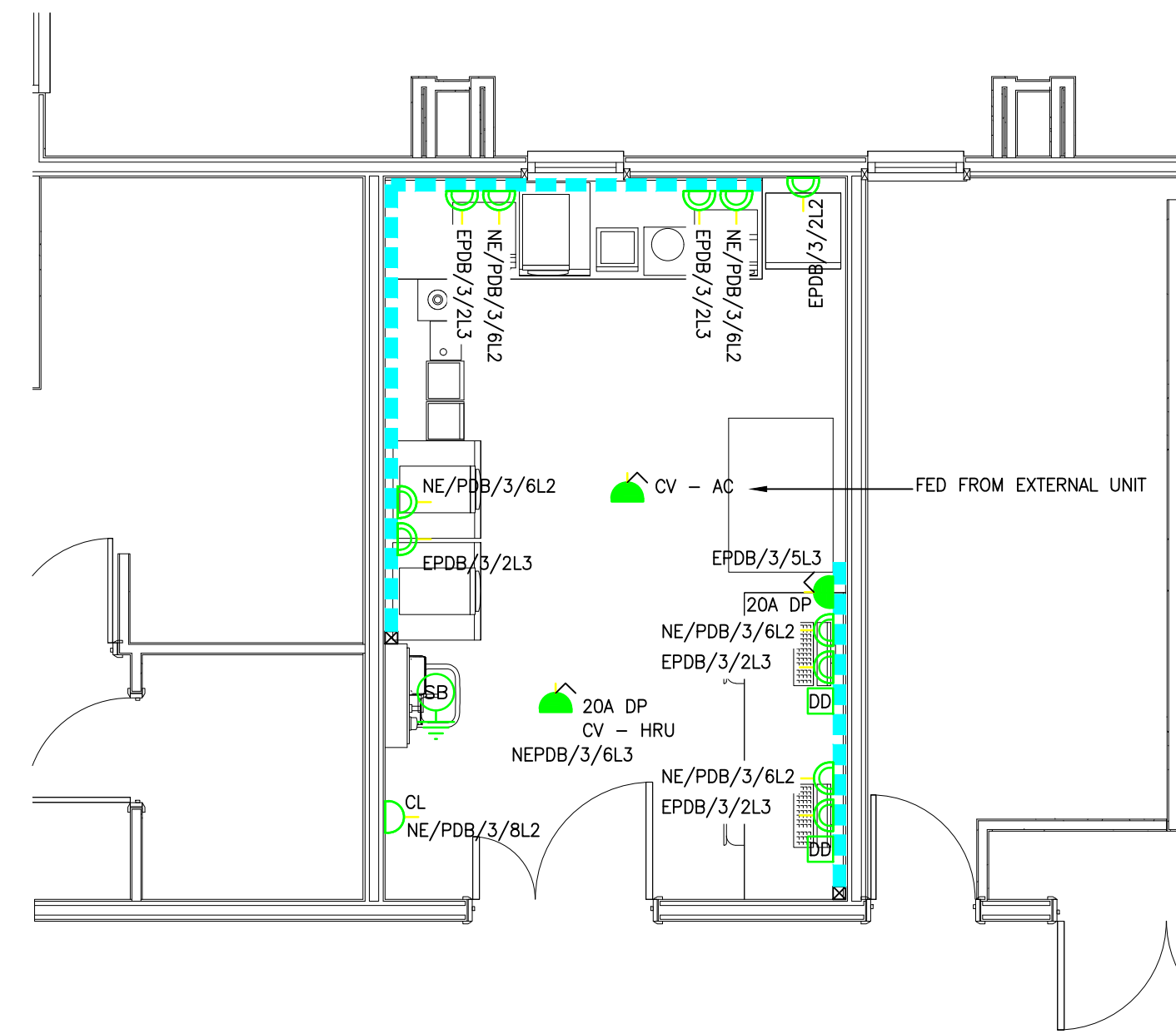
ROOF LEVEL



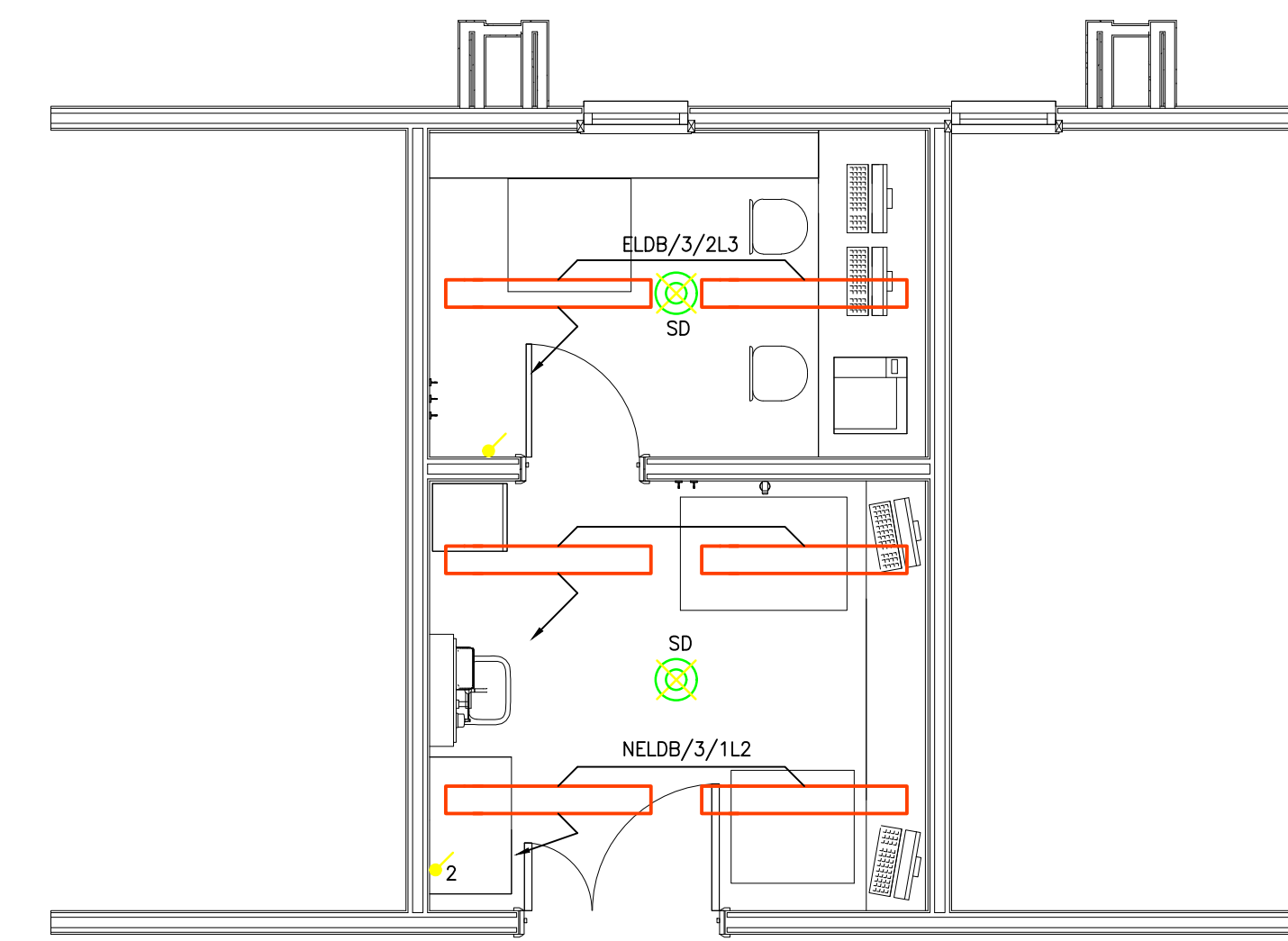
SECOND FLOOR



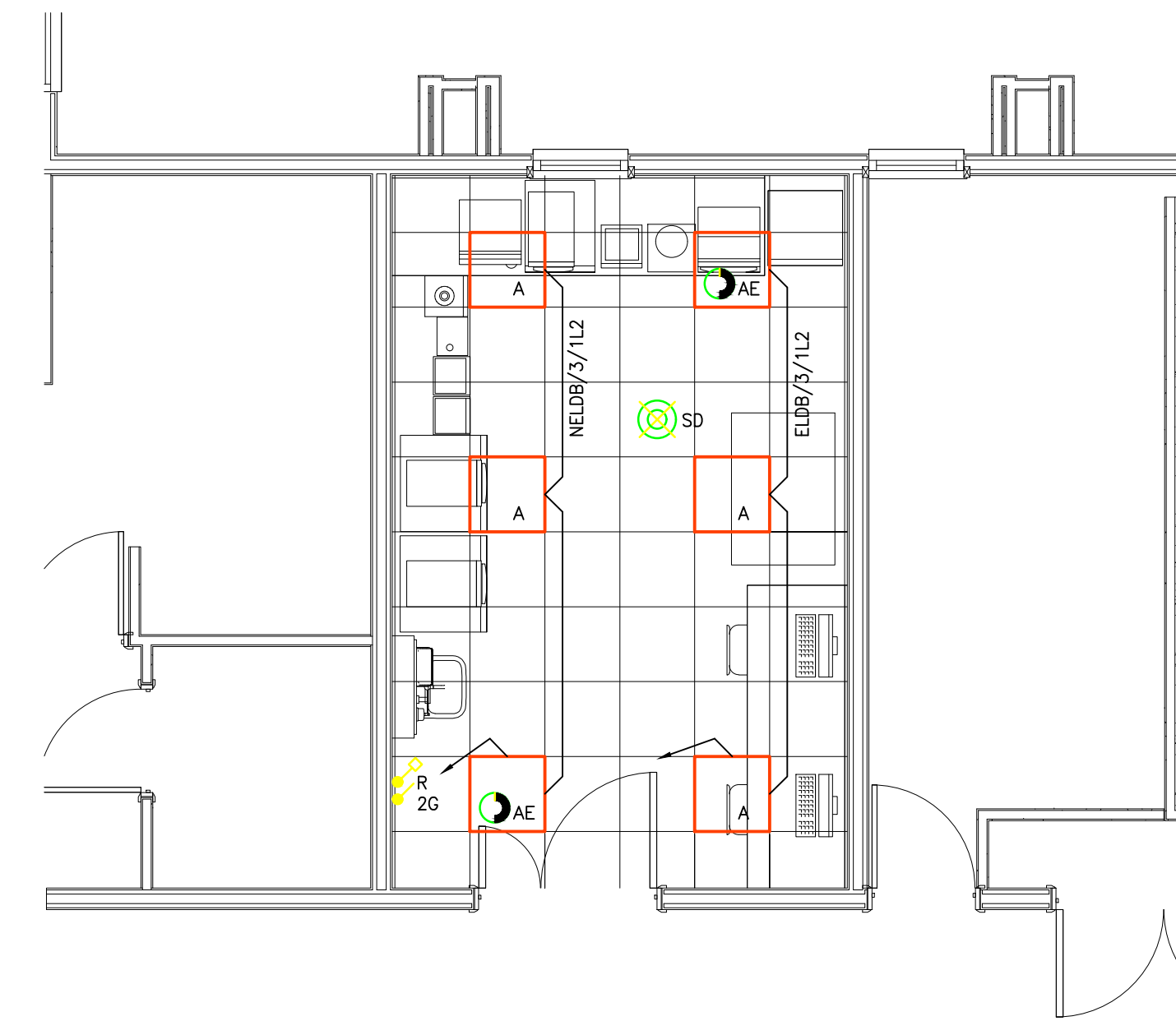
EXISTING PCR LABORATORY PLAN



PROPOSED AMR LABORATORY PLAN



EXISTING PCR LABORATORY CEILING LAYOUT



PROPOSED AMR LABORATORY CEILING LAYOUT

COM. RESIDUAL RISK INFORMATION (HASBOK)	
IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAIL ON THIS DRAWING, NOTE THE FOLLOWING:	
CONSTRUCTION:-	NONE
MAINTENANCE/CLEANING:-	NONE
DEMOLITION/DECOMMISSIONING:-	NONE
IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.	

NOTES

1.00 THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE SPECIFICATION OF WORKS & ALL OTHER RELEVANT ASSOCIATED DRAWINGS, TOGETHER WITH THE RELEVANT MAIN CONTRACT DOCUMENTATION.

- SPECIFICATION
- ALL WIRING TO BE CARRIED OUT IN PP200 WITHIN EXISTING CONTAINMENT.
 - WIRING 1.5mm.
 - SMALL POWER 4.0mm.
 - ALL REVISED AND NEW CIRCUITS TO BE PROVIDED WITH RCB'S RATED AT 30mA (TYPE A) MOUNTED ADJACENT TO THE EXISTING DB'S IN A SEPARATE ENCLOSURE.
 - ALL WIRING SHALL BE IN ACCORDANCE WITH BS7671 18th EDITION IET REGULATIONS.
 - LIGHTING CIRCUITS TO BE WIRED VIA 10A FUSES. SMALL POWER WIRED WITH 20A FUSES IN A RCB.
 - THE CONTRACTOR SHALL ENGAGE PFC FIRE PROTECTION LTD. PHIL ODELL - ODELLPHIL@PFC7.COM TO CARRY OUT ALL WORKS ASSOCIATED WITH THE FIRE ALARM SYSTEM. EXISTING DETECTOR TO BE REMOVED TO ALLOW NEW CEILING TO BE INSTALLED AND REPLACED. No. DETECTOR TO BE REMOVED.
 - THE CONTRACTOR IS TO ALLOW FOR LAGGING WITH THE HOSPITAL IT SPECIALIST TO ENSURE ALL DATA POINTS ARE CATERED FOR - THE CONTRACTOR IS TO ALLOW FOR LAGGING EXISTING DATA POINTS WHERE NECESSARY WITH NEW FASPA PLATES.
 - DADO TRUNKING TO BE 3-COMPARTMENT 150x50mm MK LOGIC.
 - ESSENTIAL SOCKETS TO BE MK LOGIC WITH RED ROCKERS AND HIGH INTEGRITY EARTHS.
 - NON-ESSENTIAL SOCKETS TO BE MK LOGIC WITH HIGH INTEGRITY EARTHS.
 - THE CONTRACTOR IS TO VISIT SITE TO ASCERTAIN EXTENT OF STRIP-OUT AND INCLUDE ALL NECESSARY COSTS.
 - THE CONTRACTOR IS TO ALLOW ALL FIRE STOPPING WHERE CONTAINMENT PASSES THROUGH FIRE WALLS - REFER TO ARCHITECTURAL PACKAGE.
 - NEW FAN SUPPLY TO BE PROVIDED ON THE ROOF VIA A 4mm² 4C XLPE/20A/LSF CABLE ON 50mm CABLE TRAY TO 16A TPAN ISOLATOR SUPPLIED FROM DB-MPNE/DB2.
 - NEW AC CONDENSER TO BE WIRED VIA 4mm² 3C XLPE/20A/LSF FROM DB-MPNE/DB2 ON 50mm CABLE TRAY TO 20A SPAN ISOLATOR.
 - THE ELECTRICAL CONTRACTOR SHALL PRODUCE WORKING DRAWINGS FOR APPROVAL BY THE ENGINEER PRIOR TO WORKS COMMENCING.
 - THE ELECTRICAL CONTRACTOR IS TO PROVIDE A FULL O&M MANUAL ON COMPLETION OF THE WORKS - THIS SHALL BE IN ELECTRONIC FORMAT AND DRAWINGS PRODUCED IN AUTOCAD 2018. THE O&M MANUALS WILL INCLUDE ALL ITEMS WORKED UPON AND THE ITEMS RETAINED IN THE AREA OF WORKS.
 - ALL RELEVANT TEST CERTIFICATES SHALL BE INCLUDED.

LEGEND	
	A
	AE
	CL
	CL
	CL
	CL
	CL
	CL
	CL
	CL
	CL
	SD
	SB
	CS

REV	DATE	NOTE	ENG
P1	28.10.21	ISSUED FOR STAGE 3	NWB

ISSUE STAGE	STAGE 3
-------------	---------

RED WORTH ASSOCIATES CONSULTING ENGINEERS

15 Walshaw Street, Great Horton, Bradford, West Yorkshire, BD7 4AX
Tel: 01274 577171

The Incubator Building, 48 Gorton Street, Manchester, M13 9XK
Tel: 0161 606 7379

E-Mail: admin@redworthassociates.co.uk
Web: www.redworthassociates.co.uk

EQUANS

PROJECT: MANCHESTER ROYAL INFIRMARY AMR LABORATORY VE-20-050

DRAWING TITLE: ELECTRICAL SERVICES SECOND FLOOR AND ROOF AS EXISTING AND AS PROPOSED LAYOUT

DESIGNED / DRAWN BY:	SUITABILITY:	CHECKED:	APPROVED:
NWB/AMR	50	CNA	MPR
REVISIONS / PROJECT NUMBER:	SCALE:	DATE:	
3763	1:50 A0		
DRAWING NUMBER:	REVISION:	REVISION DATE:	
2050-RWA-XX-ZZ-DR-E-6201	P1	28.10.21	