

MECHANICAL SERVICES DESIGN STATEMENT

Project: RPA Hospital – Expansion Project – REF 6 Molecular Imaging Plant Room
Address: Hospital Road
 Camperdown NSW 2050

Development Application Number: SSD-47662959
Consent Authority: Minister for Planning and Public Spaces
BCA Consultant: BM+G
Head Contractor: CPB Contractors

Description of Part of Building: REF6 Molecular Imaging Plant Room.

Pursuant to the provisions of Clause A5G3 of the BCA 2022, I, the undersigned, certify that:

- a) the mechanical ventilation systems have been designed in accordance with the following standards and departures:
- i) relevant services specifications listed below:
 Mechanical Services Specification RPA-MEC-CLI-SPC-MW-700001 (A) 20 November 2023
 - ii) Relevant Australian Standards and clauses of the Building Code of Australia and nominated Standards of Performance listed below:

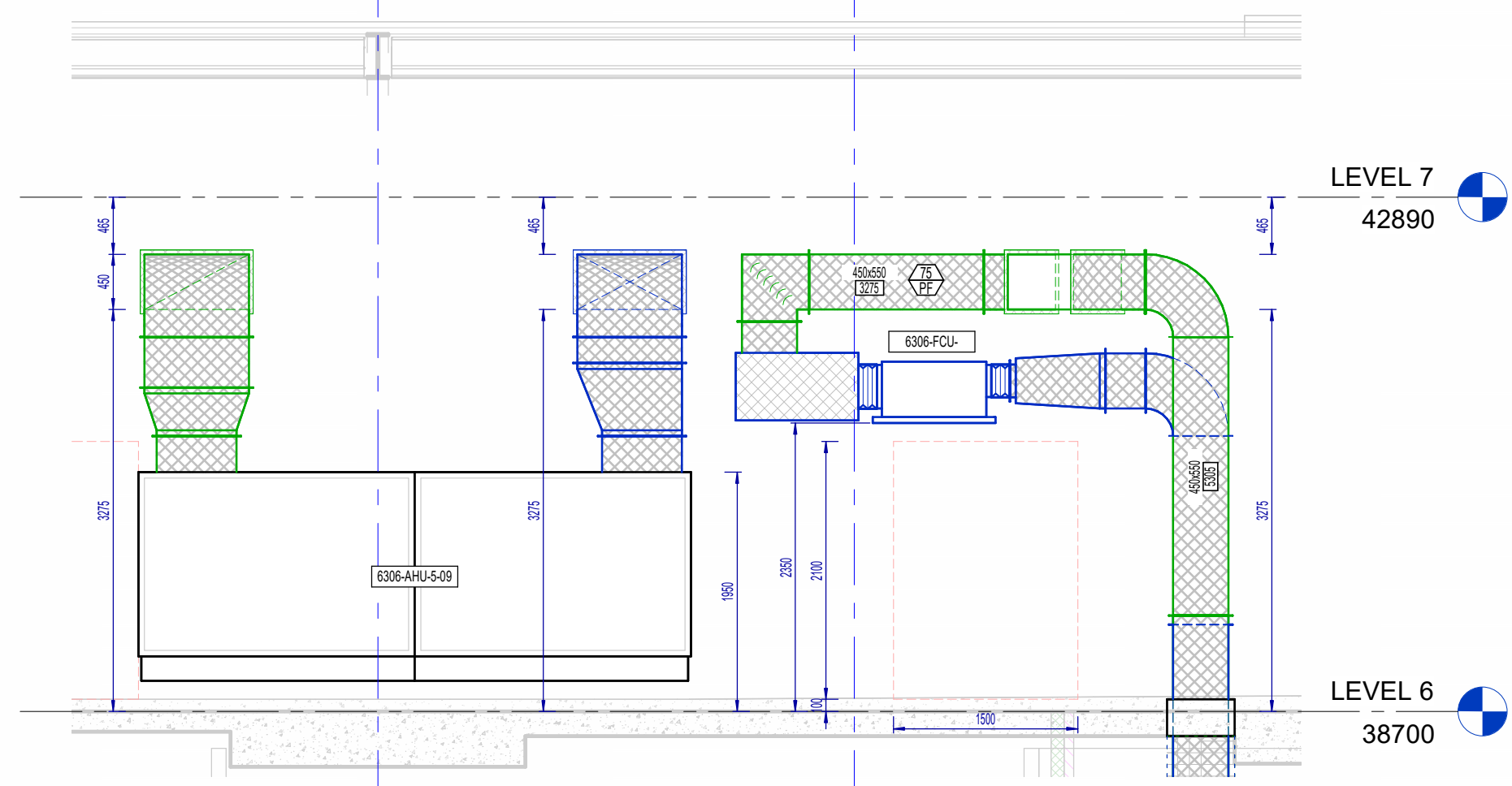
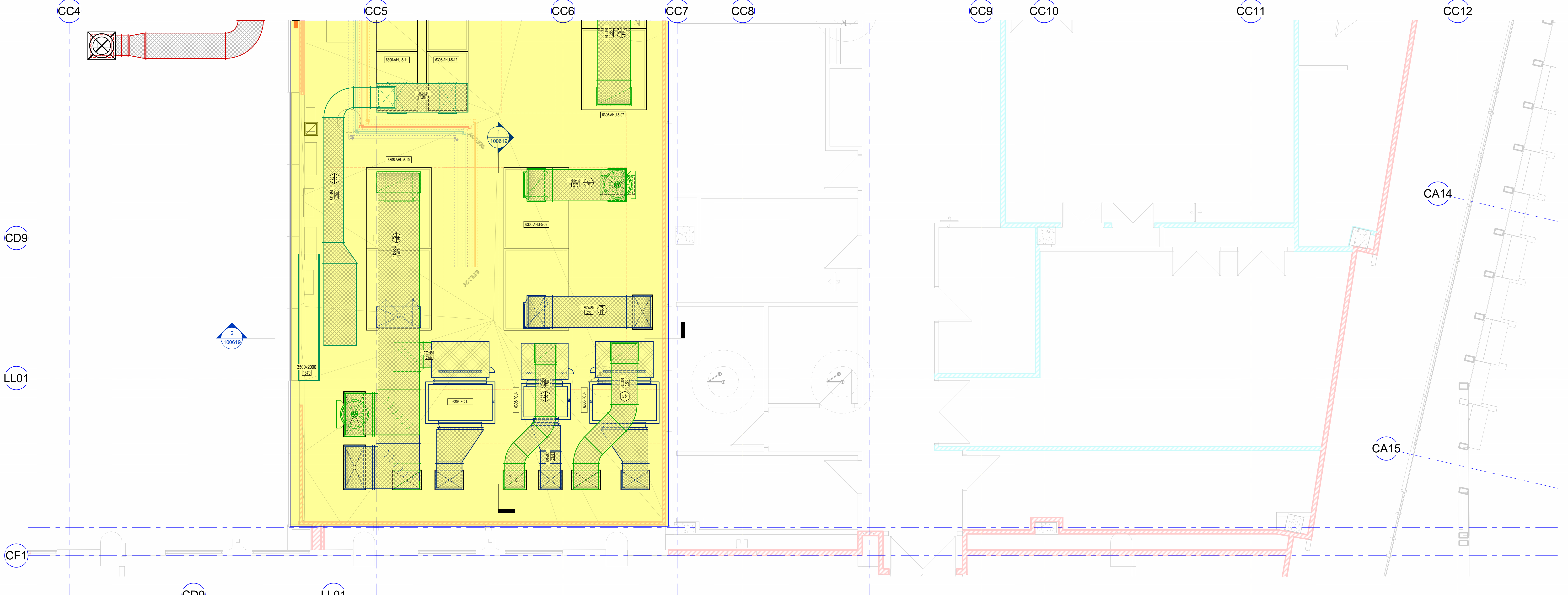
System	Standards of Performance
Mechanical Ventilation Systems	- Clause F6D6 of the BCA 2022 - Clause F8D4 of the BCA 2022 - Clause J6 of the BCA 2022 - AS 1668.2-2012 - AS/NZS 3666.1-2011 - E2D3 General Requirements of the BCA 2022 - Health Infrastructure Engineering Services Guidelines (ESG) dated December 2022 - Australian Health Facility Guidelines – NSW Health Infrastructure Design Guidance Notes
Energy Efficiency	BCA 2022 Section J6D3
Smoke Hazard Management	- Table E2D4 of the BCA 2022 - Table E2D7 of the BCA 2022 - AS 1668.1-2015 - Project Fire Engineering Report 221016-FER03-A RPA-FIR-LCI-RPT-MW-000003-A - Project Fire Engineering Brief 221016-FEBQ03-D Mechanical Fire Engineering Report RPA-MEC-CLI-RPT-MW-700002
Fire Dampers	AS1682.1 and 2 2015

- iii) Mechanical Design complies with the Deemed to Satisfy provisions of the BCA and does not contain any non-compliances that will result in a Performance Solution.
- b) I am a properly qualified person and have a good working knowledge of the relevant codes and standards referenced above. My qualifications and accreditations are listed below:
- Qualifications:** BE Mech Hons 1,
 Chartered Professional Engineer (CPEng), NPER,
 Registered Professional Engineer Queensland RPEQ221900
- c) the information contained in this statement is true and accurate to the best of my knowledge.

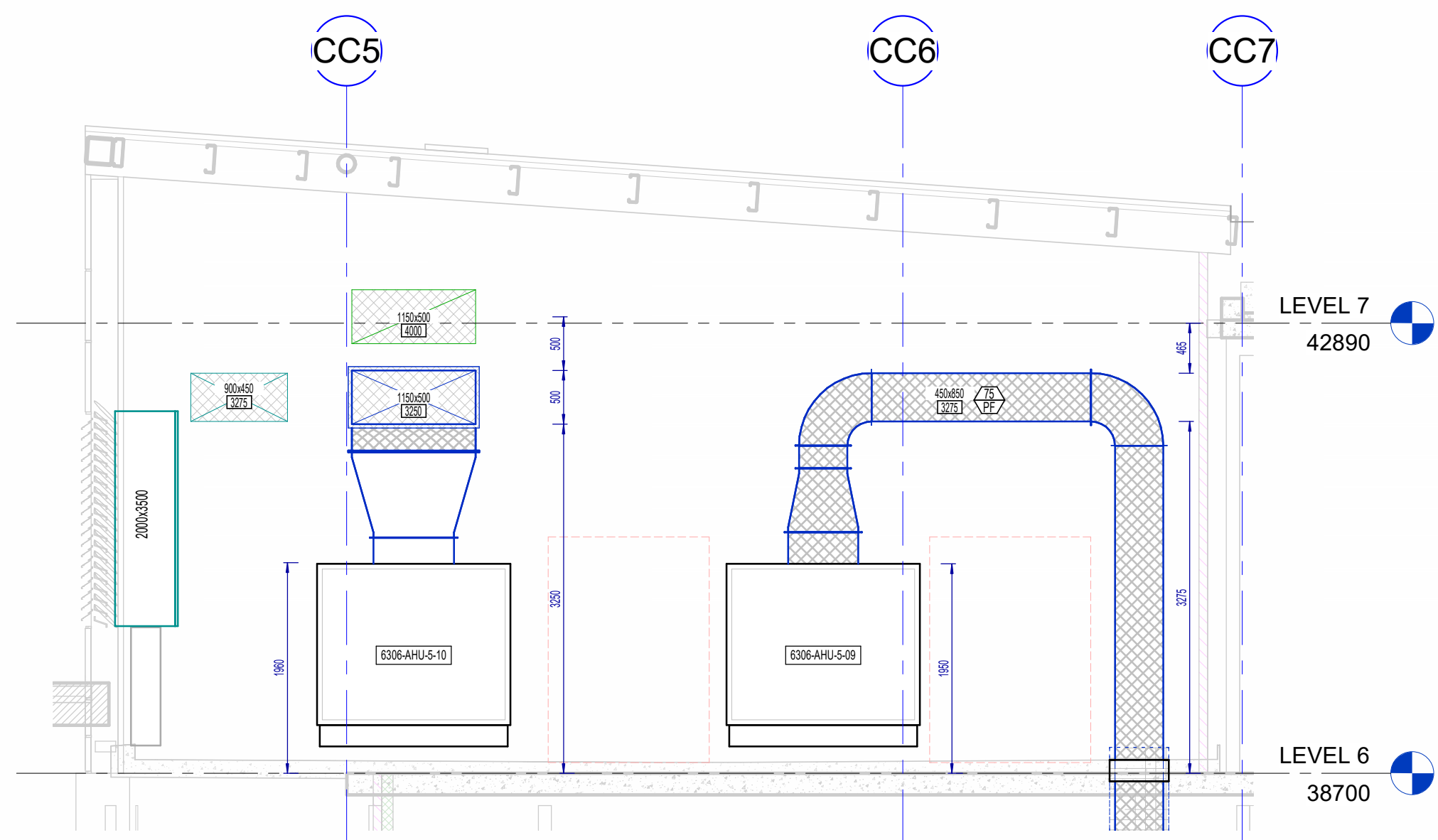
Name of Certifier: Peter Keiper
Position: Senior Engineer

Company: Climatech NSW Pty. Ltd.
Address: 168 Rocky Point Road, Kogarah NSW 2217
Phone No.: +61 2 9698 0033

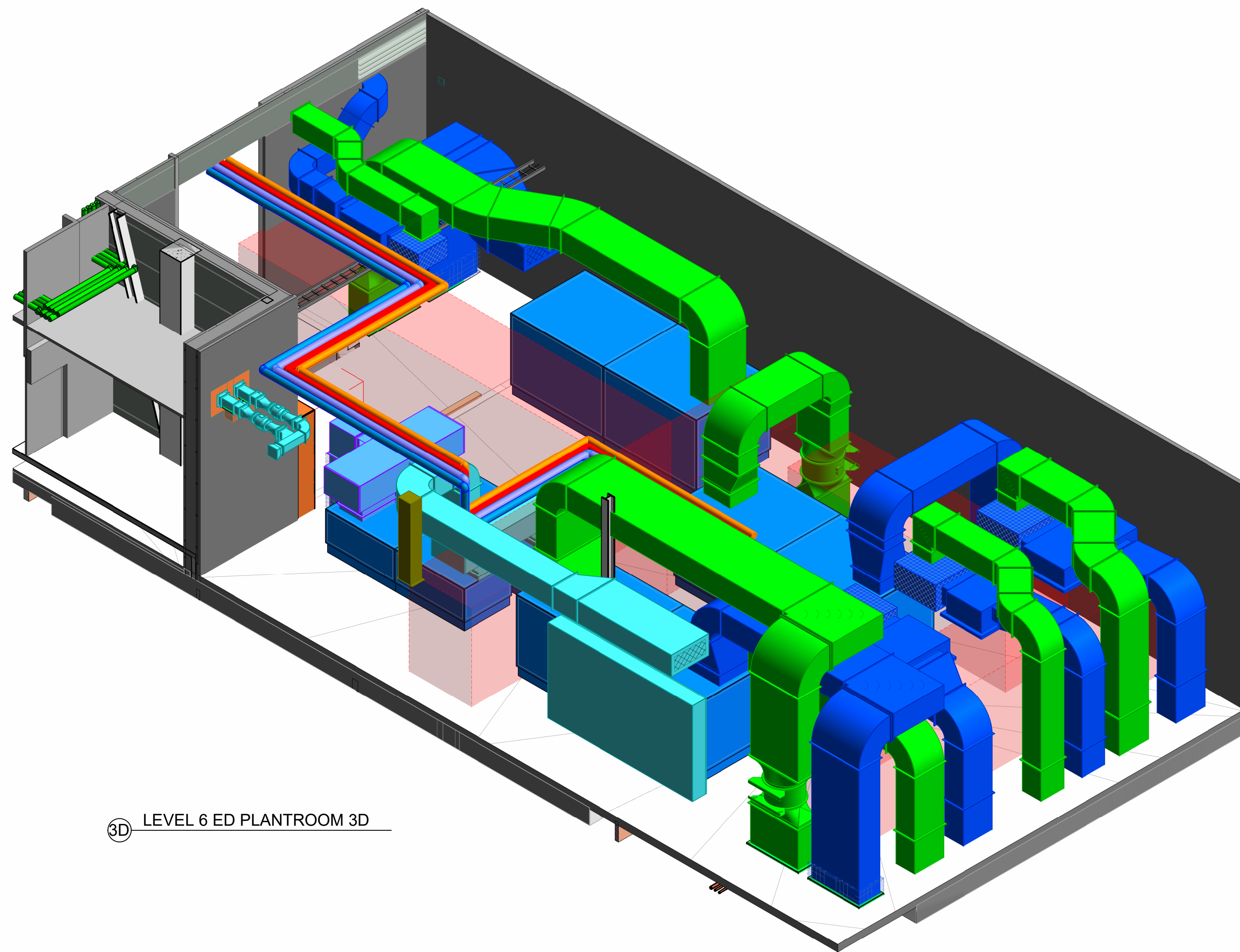
Signature: **Date:** 22nd May 2024



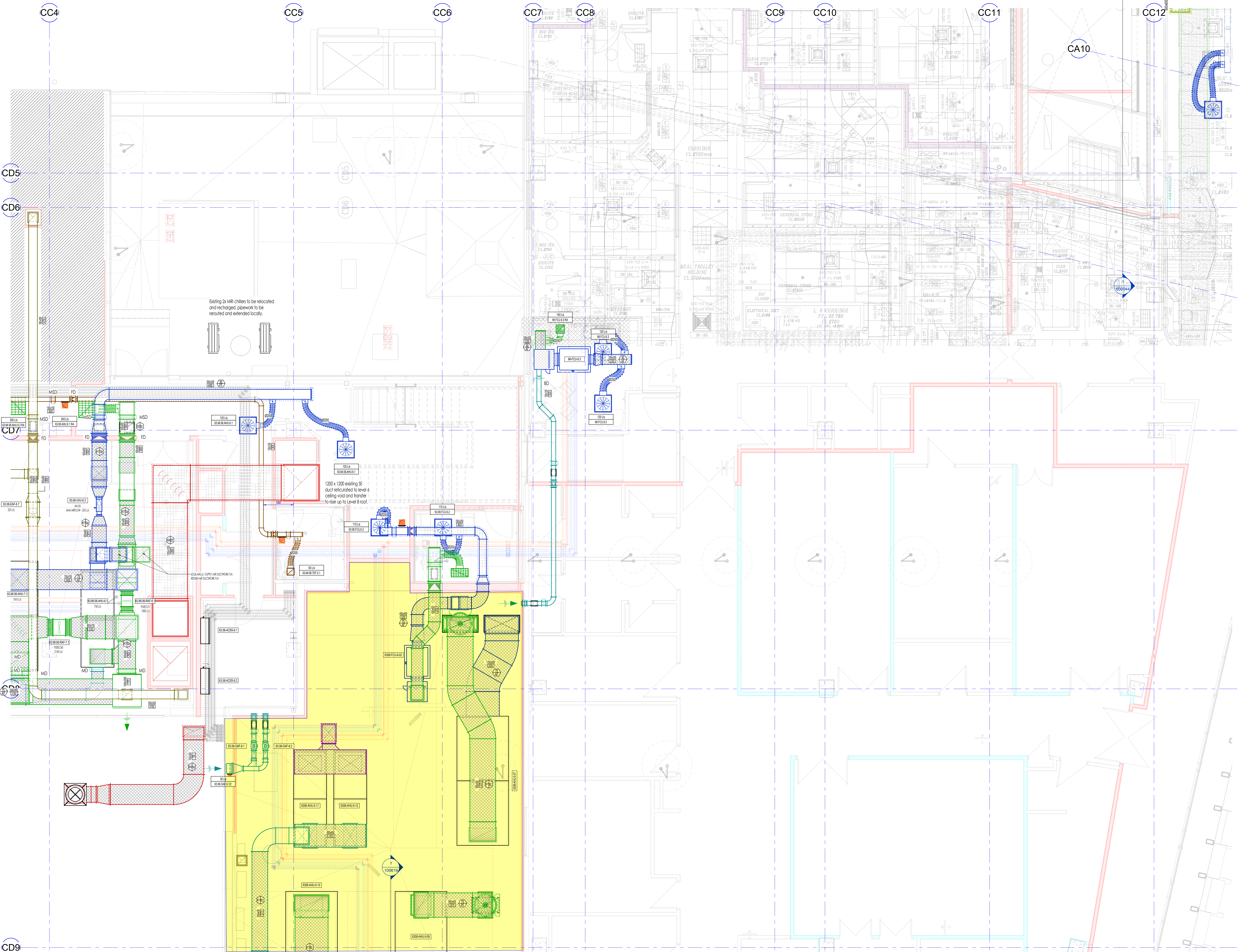
① LEVEL 6 - ED PLANTROOM SECTION 1
1 : 50

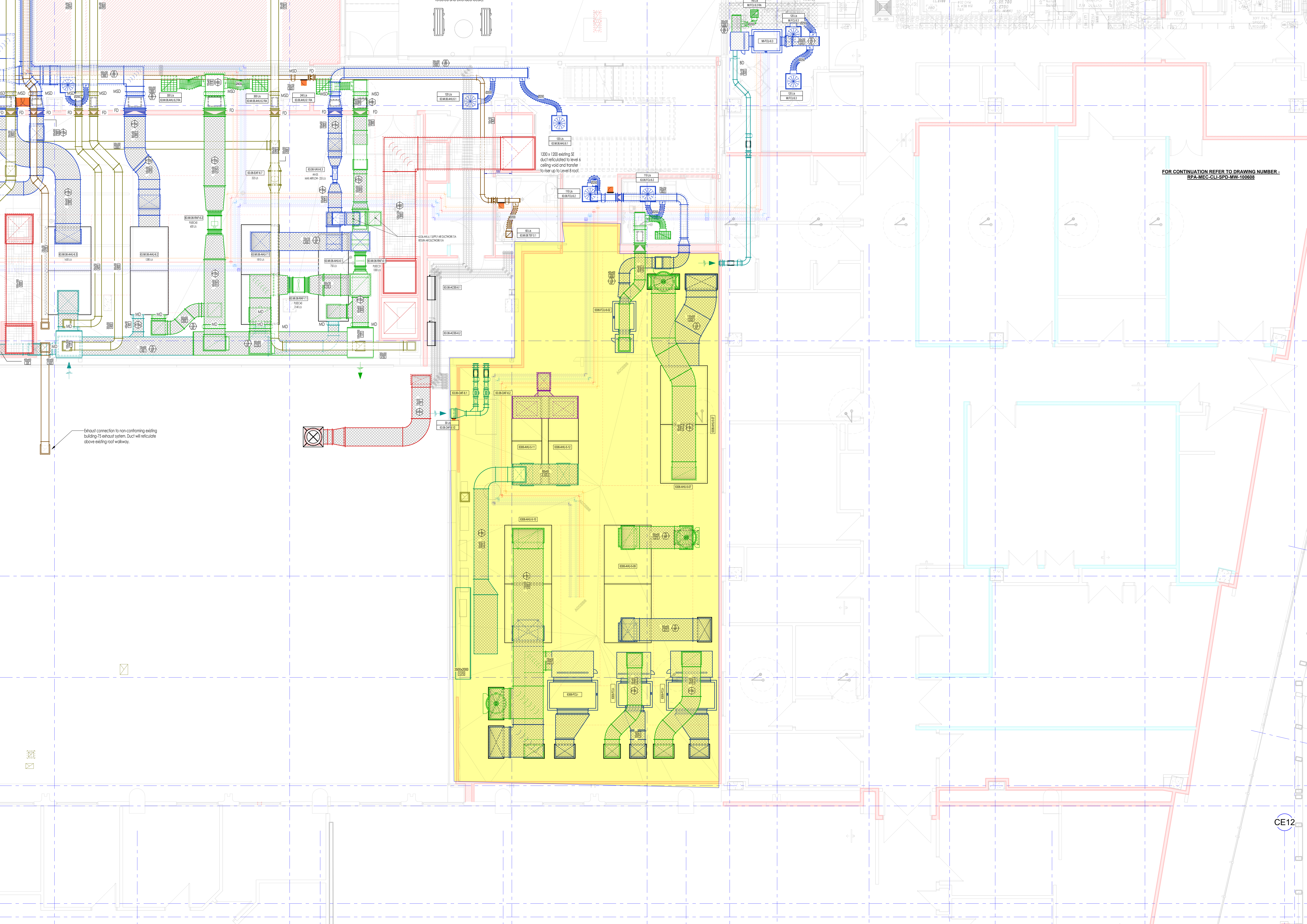


② LEVEL 6 - ED PLANTROOM SECTION 2
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③D LEVEL 6 ED PLANTROOM 3D





FOR CONTINUATION REFER TO DRAWING NUMBER -
RPA-MEC-CLI-SPD-MW-100608

Exhaust connection to non-conforming existing
building 75 exhaust system. Duct will relocate
above existing roof walkway.