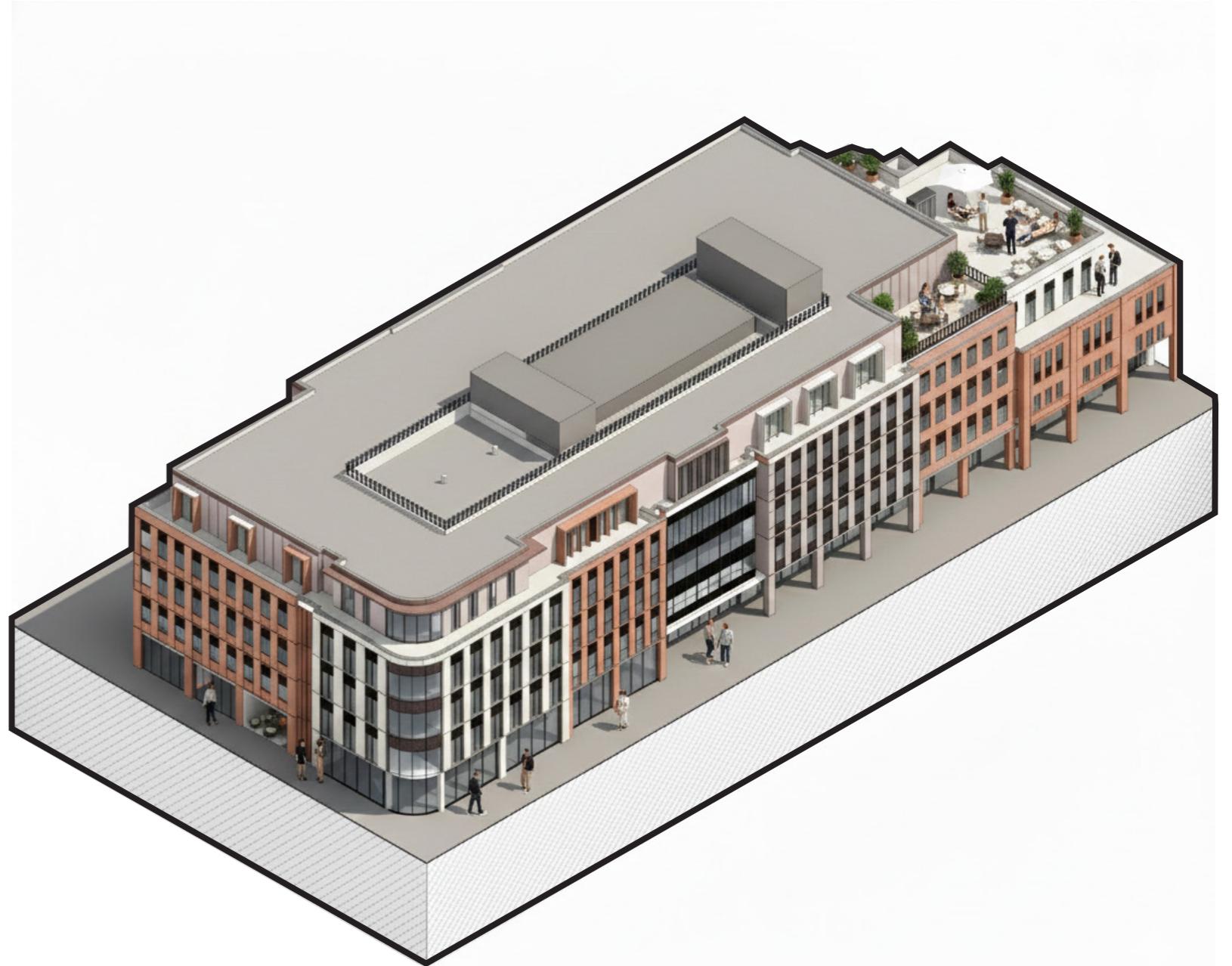


Technical Healthcare Portfolio.

Revit | RIBA Stage 3-4 Delivery
Healthcare, Cleanrooms, Controlled Environments



contents.

PROJECT STAGE DRAWINGS

Aseptic facility:

- GA Setting out Plan
- Fire Strategy Plan
- Typical Cleanroom Details
- Building Envelope Details

Biotech R&D Lab:

- Acoustic Plan

TENDER STAGE PROPOSAL DOCUMENT IMAGES

- Health and wellbeing centre plus Urgent treatment care
- Biotech R&D Lab
- Hybrid Theatre Facility

intro.

The following pages present selected professional projects completed during my employment as an **Architectural Designer at Merit**.

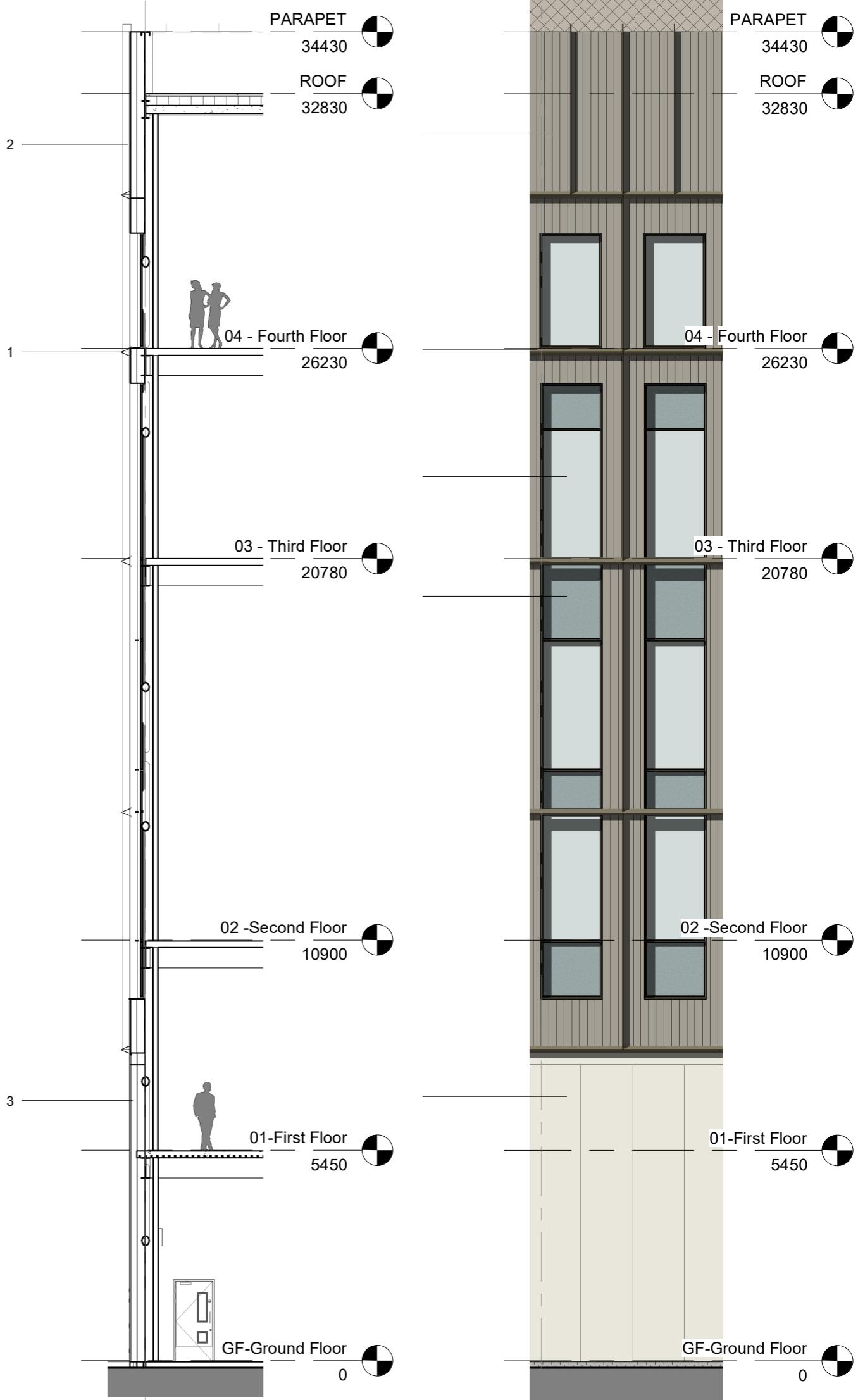
During my time at Merit, I initially worked within the **tenders team**, gaining experience in early-stage design, bid documentation, and project visualisation. I later transitioned to the **projects team**, where I contributed to detailed design development and delivery.

Due to confidentiality and non-disclosure agreements, certain project details and client names have been omitted. All work shown reflects my personal contributions within my professional capacity.

what i do.

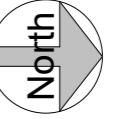
- **Technical Delivery (Stage 3-4)**
Production of coordinated, construction-ready Revit documentation within compliance-driven healthcare environments.
- **Healthcare & Laboratory Design**
Experience working on clinical, aseptic, biotech, and controlled environments where workflow, regulation, and performance requirements shape spatial planning.
- **Fire Strategy Integration**
Development and coordination of fire strategy layouts and compartmentation drawings in collaboration with fire engineers and project teams.
- **Healthcare/ Cleanroom Detailing**
Technical design of wall build-ups, junctions, breakout panels, and envelope interfaces for cleanroom and controlled spaces.
- **Revit Documentation & Drawing Packages**
Preparation of GA plans, setting-out drawings, detailed packages, and coordinated information across multidisciplinary teams.

Project Stage Selected Works.



DRAWING ANNOTATIONS
DRAWING REVISIONS
GENERAL NOTE & DIMENSIONS
IN ABEYANCE

Work In Progress.
Subject to Fire Strategy & Manufacturer Specification.



DO NOT SCALE IF IN DOUBT ASK

NOTES:

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.

ANY ANOMALIES TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO FABRICATION.

ANY DEVIATIONS FROM DRAWING TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO INSTALLATION.

1. All copyright remains with Merit. Drawings are issued for this project only and must not be reused, copied, or adapted without written permission. Licence requests: licence@merit.co.uk.

2. Drawings must be read in conjunction with all relevant architectural, engineering, and specialist information to ensure full coordination.

3. Any discrepancies within these drawings or between them and other documents must be referred to Merit before work proceeds.

4. Do not scale from drawings. Use figured dimensions only. Dimensions marked "to be site checked" must be verified prior to construction.

5. Subcontractor surveys (e.g. for steelwork) override indicative dimensions and must ensure accurate fit and coordination.

6. The Principal Contractor is responsible for all temporary works and must appoint a competent Temporary Works Coordinator (TWC) in line with BS 5975.

7. Contractor-designed elements affecting Merit's scope must be submitted to the Engineer a minimum of 10 working days before fabrication. Merit's review does not transfer design responsibility.

8. Proprietary products shown are based on supplier data. Merit accepts no liability for their performance. Installation must follow manufacturer instructions.

9. All works must comply with the Construction (Design and Management) Regulations 2015. The Principal Contractor is responsible for site health, safety, and coordination.

10. Any significant residual design risks are highlighted in drawings or specifications and must be addressed in construction planning.

11. Only the latest revision of each drawing is to be used. Superseded versions must be removed from circulation.

P22	10.09.25	Updated as per Lift Manufacturer Specification	MP	AB
P21	04.09.25	Revised structural openings	AM	AB
P20	01.09.25	Revised as per acoustic strategy.	AB	MM
P19	07.08.25	External door tags added.	AB	MM
P18	06.08.25	Outsourced G-CON wall moved as per C-Sheet design.	AB	MM
P17	01.08.25	Stair setting out to suit structural design	AB	MM
P16	01.08.25	Reconfiguration of Release Change as per client comment.	AB	MM
P15	28.07.25	External wall build up revised and checked against SFS and G-CON.	AB	MM
P14	25.07.25	Revised as per design development.	AB	MM
P13	27.06.25	Revised as per client comment.	AB	MM
P12	29.05.25	SFS design updated as per M&E & structural comment.	AB	MM
P11	13.05.25	Updated as per client comment.	AB	MM
P10	28.04.25	Store added, staging areas as per fire strategy document.	AB	MM
P09	14.04.25	Revised sheet number. Proposed access lock fire door to replace removable panel.	AB	MM
P08	20.03.25	Revised as per client meeting.	AB	MM
P07	17.03.25	SHWR to replace WC. Reconfiguration Material Lobby as per client comment. 2nd VP to Documentation. External windows updated as per GMP comment.	AB	MM
P06	13.03.25	Revised as per QA comment.	AB	MM
P05	11.03.25	Updated as per client comment.	AB	MM
P04	10.03.25	SHWR & Door added to circulation.	AB	MM
P03	10.03.25	LLE revised as per M&E comment. Prechange isolators revised & windows added into release as per client's comments.	AB	MM
P02	03.03.25	PN & CYTO swapped. Docu PTH moved. ACC SHWR added as per client's requirement.	AB	MM
P01	04.06.25	PRELIMINARY DESCRIPTION	RSA	MM
REV	DATE	DESCRIPTION	BY	APP

S3 REVIEW & COMMENT



Unit 8, Northumberland Business Park Telephone: +44 (0)191 250 4330
Cramlington, Northumberland Email: enquiries@merit.co.uk
NE23 7RY Web: http://www.merit.co.uk

© WE OWN THE COPYRIGHT IN ALL WORK CREATED BY US OR FOR US. MANY OF OUR WORKS ARE PROTECTED BY LAW. IT IS AN OFFENCE TO COPY, DISTRIBUTE OR INFRINGE OUR WORK UNDER ANY CIRCUMSTANCES. REQUIRES A WRITTEN LICENSE FROM US SETTING OUT THE TERMS UNDER WHICH SUCH REPLICATION AND/OR REPRODUCTION IS PERMITTED. OUR TERMS ARE SET OUT IN THE LICENSE AGREEMENTS WHICH ARE AVAILABLE ON REQUEST. WE RESERVE THE RIGHT TO PURSUE LEGAL ACTION AGAINST THOSE WHO INFRINGE OUR WORKS. WE RESERVE THE RIGHT TO PROTECT OUR INVESTMENT AND INTELLECTUAL PROPERTY RIGHTS AND BREACHES OF OUR COPYRIGHT WILL BE PURSUED TO THE FULL EXTENT OF OUR RIGHTS. LICENCE REQUESTS SHOULD BE ADDRESSED TO licences@merit.co.uk

Client:

Drawing Title:
Proposed Ground Setting Out Plan
General Arrangement

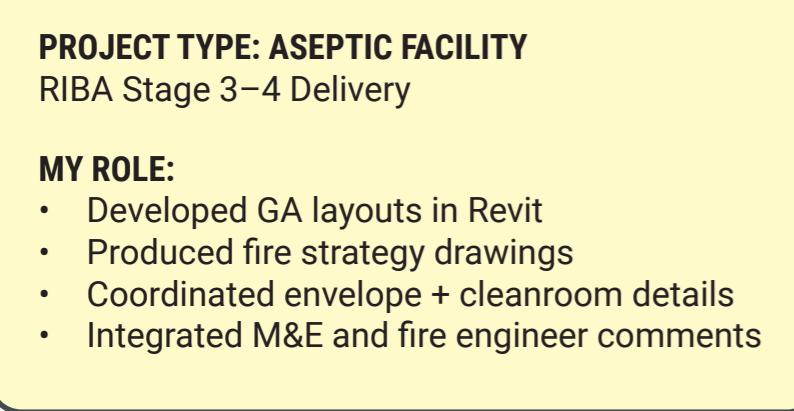
Project Name: Size: A1
As indicated

Drawn By: Drawn Date: Checked By: Approved By: Approved Date:

AB 20.03.2025 MM MM 20.03.2025

Drawing No. Rev:

10752-MRT-ZZ-GF-DR-A-3001 P22



GA revised following M&E coordination review

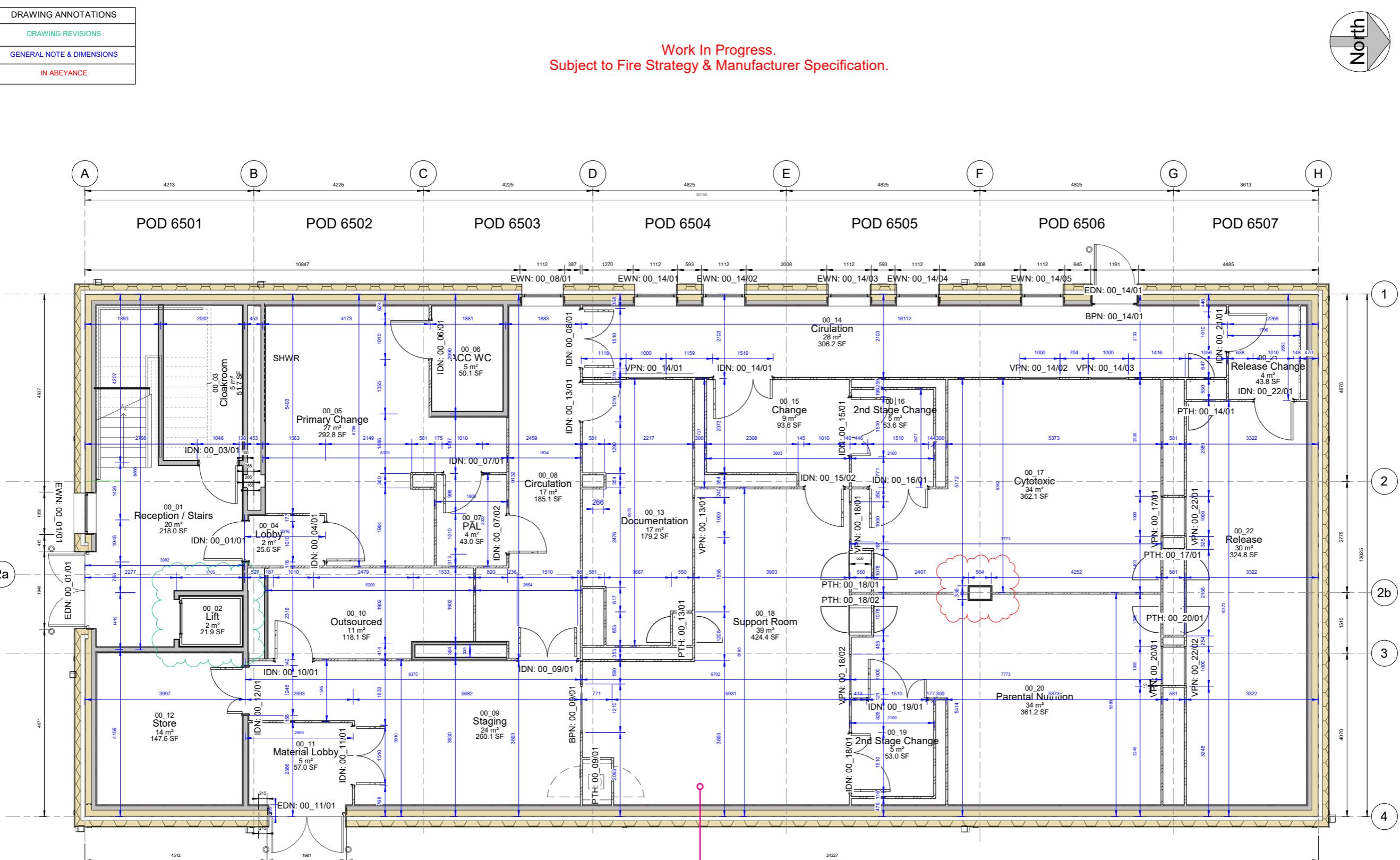
SETTING OUT LEGEND

Dimension Dimensions in BLUE are from wall stud centrelines to grid lines or to wall stud centrelines.

Dimension Dimensions in BLACK are structural measurements from SFS to SFS.

Dimension Dimensions in RED highlight coordination issues or measurements in Abeyance.

XXX: XX_XX/0X references door, window and louvre numbers to be read in conjunction with the relevant schedules.



NOTES:

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.

ANY ANOMALIES TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO FABRICATION.

ANY DEVIATIONS FROM DRAWING TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO INSTALLATION.

1. All copyright remains with Merit. Drawings are issued for this project only and must not be reused, copied, or adapted without written permission. Licence requests: licence@merit.co.uk.

2. Drawings must be read in conjunction with all relevant architectural, engineering, and specialist information to ensure full coordination.

3. Any discrepancies within these drawings or between them and other documents must be referred to Merit before work proceeds.

4. Do not scale from drawings. Use figured dimensions only. Dimensions marked "to be site checked" must be verified prior to construction.

5. Subcontractor surveys (e.g. for steelwork) override indicative dimensions and must ensure accurate fit and coordination.

6. The Principal Contractor is responsible for all temporary works and must appoint a competent Temporary Works Coordinator (TWC) in line with BS 5975.

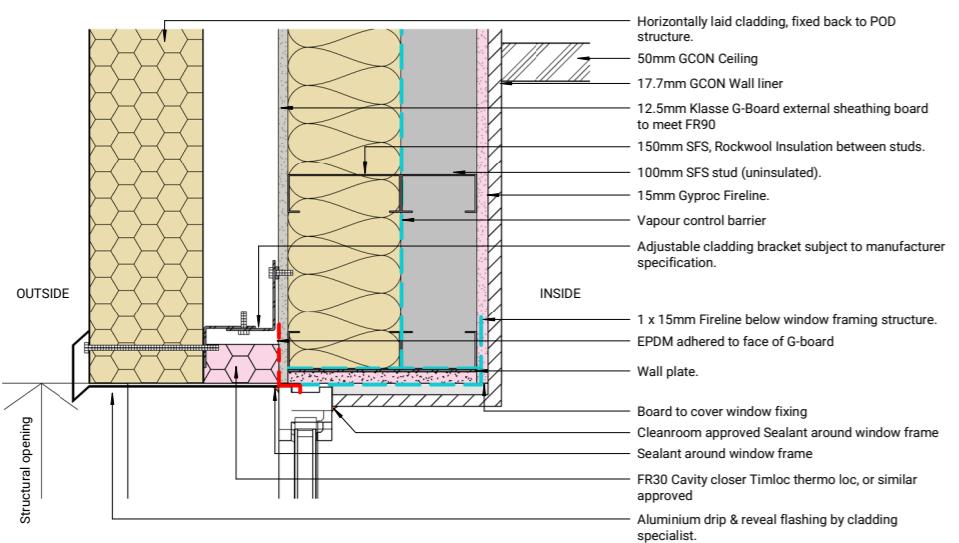
7. Contractor-designed elements affecting Merit's scope must be submitted to the Engineer a minimum of 10 working days before fabrication. Merit's review does not transfer design responsibility.

8. Proprietary products shown are based on supplier data. Merit accepts no liability for their performance. Installation must follow manufacturer instructions.

9. All works must comply with the Construction (Design and Management) Regulations 2015. The Principal Contractor is responsible for site health, safety, and coordination.

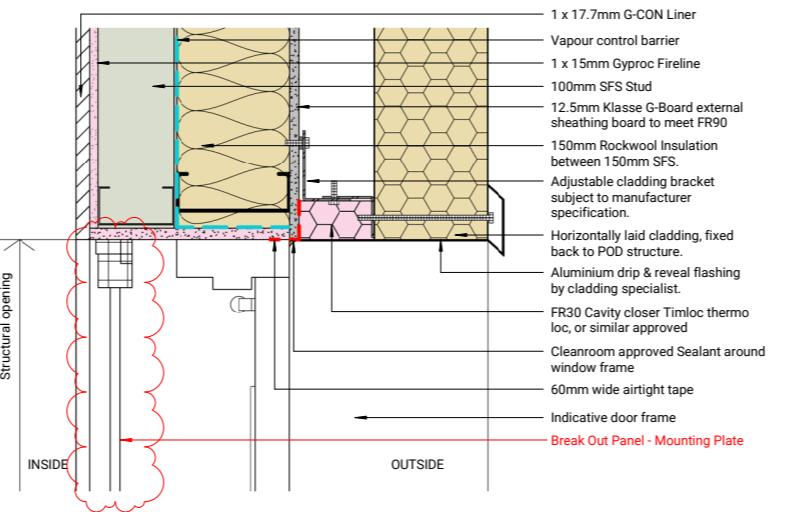
10. Any significant residual design risks are highlighted in drawings or specifications and must be addressed in construction planning.

11. Only the latest revision of each drawing is to be used. Superseded versions must be removed from circulation.



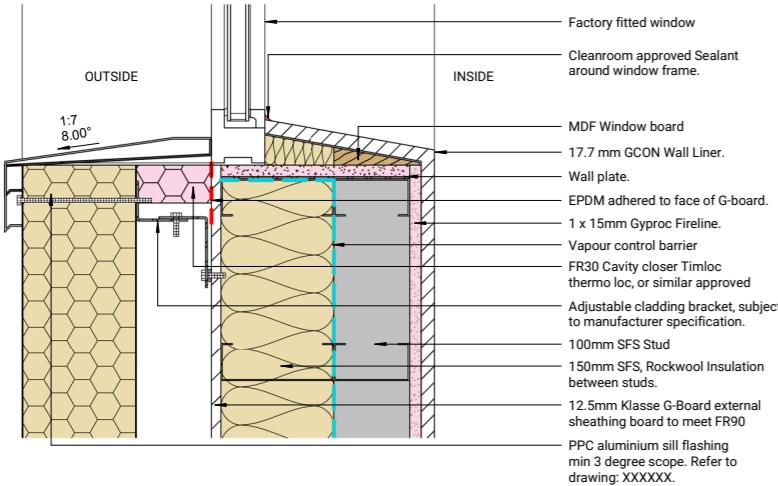
1 Envelope- Ground Floor- Window Head- Section detail

1 : 5



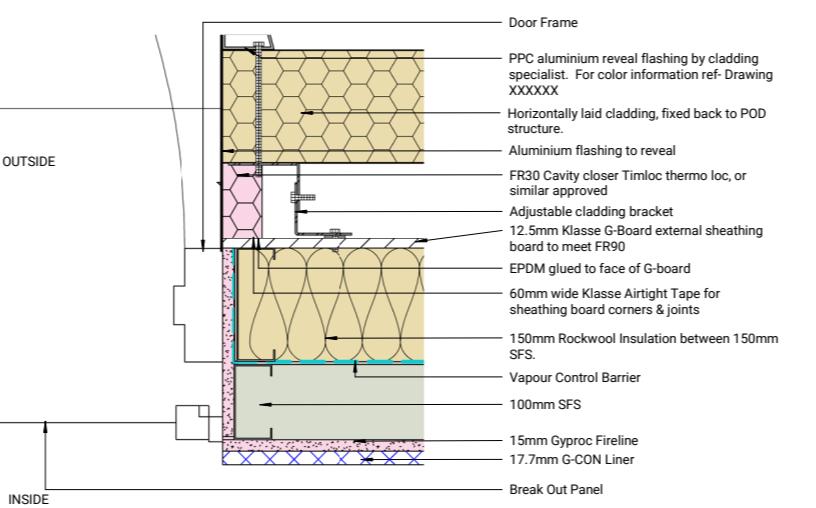
2 G-CON Break-Out Panel/ Door Section Detail Head

1 : 5



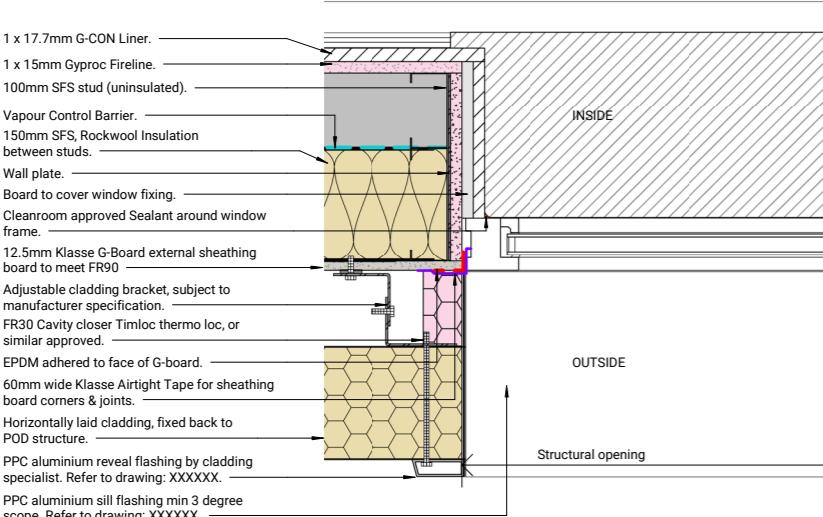
8 Envelope- Cleanroom GF - Window Sill- Section detail MP

1 : 5



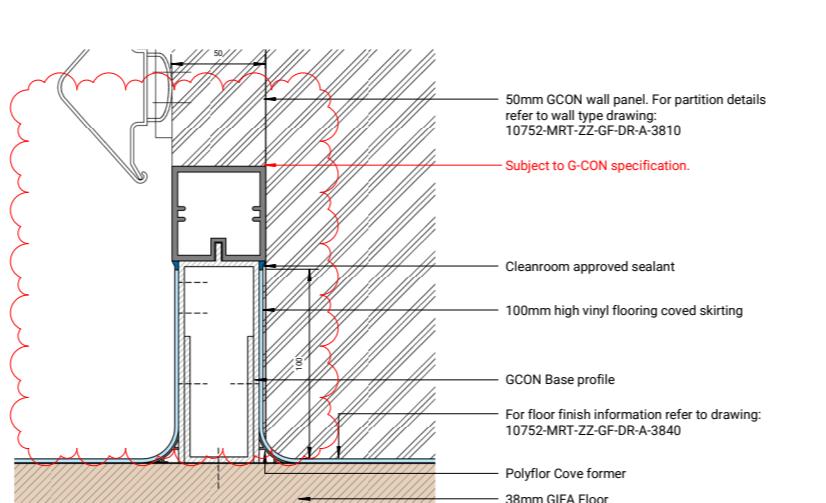
9 G-CON Break-Out Panel/ Door Plan Detail

1 : 5



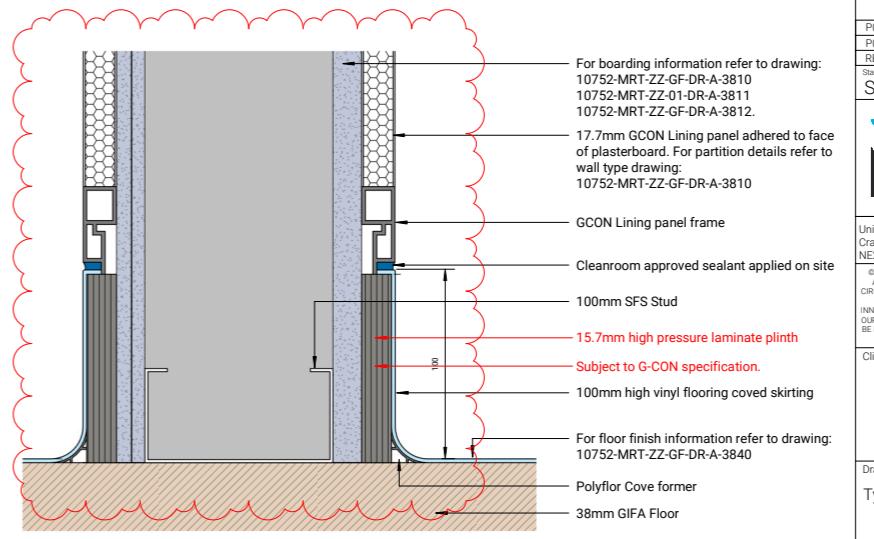
6 Envelope Detail - GF Cleanroom Window Jamb - Plan MP

1 : 5



3 Skirting Detail- Vinyl Coving at Cleanroom panel

1 : 2



4 Skirting detail- Vinyl Coving at Cleanroom liner

1 : 2

P02	10.09.25	PRELIMINARY	AB	MM			
P01	08.08.25	PRELIMINARY	AB	MM			
REV	DATE	DESCRIPTION	BY	APP			
Status				S0 PRELIMINARY			
MERIT							
Unit 8, Northumberland Business Park		Telephone: +44 (0)191 250 4330					
Cramlington, Northumberland		Email: enquiries@merit.co.uk					
Web: http://www.merit.co.uk							
© WE OWN THE COPYRIGHT IN ALL WORK CREATED BY US OR FOR US. MANY OF OUR PRODUCTS CIRCUMSTANCES REQUIRES A WRITTEN LICENSE FROM US SETTING OUT THE TERMS UNDER WHICH INNOVATION, DESIGN, INTELLECTUAL PROPERTY RIGHTS AND BREACHES OF OUR COPYRIGHT WILL BE PURSUED TO THE FULL EXTENT OF OUR RIGHTS. LICENCE REQUESTS SHOULD BE ADDRESSED TO licences@merit.co.uk							
Client:							
Drawing Title:							
Typical Cleanroom Details 1							
Project Name:							
Size A1 As indicated							
Drawn By	Drawn Date	Checked By	Approved By	Approved Date			
AB	08.08.25	MM	TW	08.08.25			
Drawing No.	10752-MRT-ZZ-XX-DR-A-3710						
	P02						

NOTES:

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.

ANY ANOMALIES TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO FABRICATION.

ANY DEVIATIONS FROM DRAWING TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO INSTALLATION.

1. All copyright remains with Merit. Drawings are issued for this project only and must not be reused, copied, or adapted without written permission. Licence requests: licence@merit.co.uk

2. Drawings must be read in conjunction with all relevant architectural, engineering, and specialist information to ensure full coordination.

3. Any discrepancies within these drawings or between them and other documents must be referred to Merit before work proceeds.

4. Do not scale from drawings. Use figured dimensions only. Dimensions marked "to be site checked" must be verified prior to construction.

5. Subcontractor surveys (e.g. for steelwork) override indicative dimensions and must ensure accurate fit and coordination.

6. The Principal Contractor is responsible for all temporary works and must appoint a competent Temporary Works Coordinator (TWC) in line with BS 5975.

7. Contractor-designed elements affecting Merit's scope must be submitted to the Engineer a minimum of 10 working days before fabrication. Merit's review does not transfer design responsibility.

8. Proprietary products shown are based on supplier data. Merit accept no liability for their performance. Installation must follow manufacturer instructions.

9. All works must comply with the Construction (Design and Management) Regulations 2015. The Principal Contractor is responsible for site health, safety, and coordination.

10. Any significant residual design risks are highlighted in drawings or specifications and must be addressed in construction planning.

11. Only the latest revision of each drawing is to be used. Superseded versions must be removed from circulation.

Membrane Detail Key:

- Vapour Control Layer - Tyvek Airguard Control.
- 60mm wide Klasse Airtight Tape for sheathing board corners & joints, 150mm wide Visqueen Pro single-sided tape for pod joints, or EPDM for factory-installed window & door openings.
- Damp Proof Membrane min. 1200 gauge.
- Breather membrane Tyvek Supro.

DRAWING ANNOTATIONS		
DRAWING REVISIONS		
GENERAL NOTE & DIMENSIONS		
IN ABEYANCE		
P02	23.09.25	Updated as per design development AB MM
P01	08.08.25	PRELIMINARY AB MM
REV	DATE	DESCRIPTION BY APP
S3	REVIEW & COMMENT	

P02 23.09.25 Updated as per design development AB MM

P01 08.08.25 PRELIMINARY AB MM

REV DATE DESCRIPTION BY APP

Status: S3

REVIEW & COMMENT

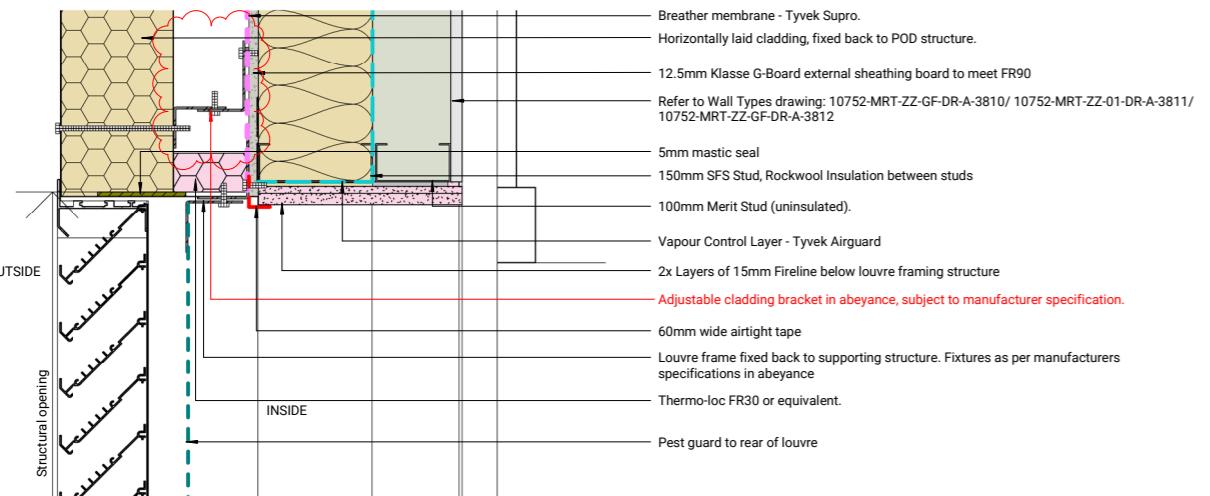

Unit 8, Northumberland Business Park
Cramlington, Northumberland
NE23 3RYTelephone: +44 (0)191 250 4330
Email: enquiries@merit.co.uk
Web: http://www.merit.co.uk© WE OWN THE COPYRIGHT IN ALL WORK CREATED BY US OR FOR US. MANY OF OUR PRODUCTS ARE ALSO PATENT PROTECTED. REPRODUCTION OR REPRODUCTION OF SUCH WORK UNDER ANY CONDITIONS IS PROHIBITED UNLESS EXPRESSLY AGREED IN WRITING WITH US. ANY SUCH REPLICATION AND/OR REPRODUCTION IS PERMITTED. OUR HEAVY INVESTMENT IN INNOVATION AND PRODUCT DEVELOPMENT NECESSARILY REQUIRES US TO RIGOROUSLY PROTECT OUR INTELLECTUAL PROPERTY RIGHTS. THE USE OF OUR TRADEMARKS AND LOGOS WILL BE PURSUED TO THE FULL EXTENT OF OUR RIGHTS. LICENCE REQUESTS SHOULD BE ADDRESSED TO licences@merit.co.uk

Client:

Drawing Title:
Envelope
Opening Layout
DetailsProject Name: Size: A1
Scale: As indicated

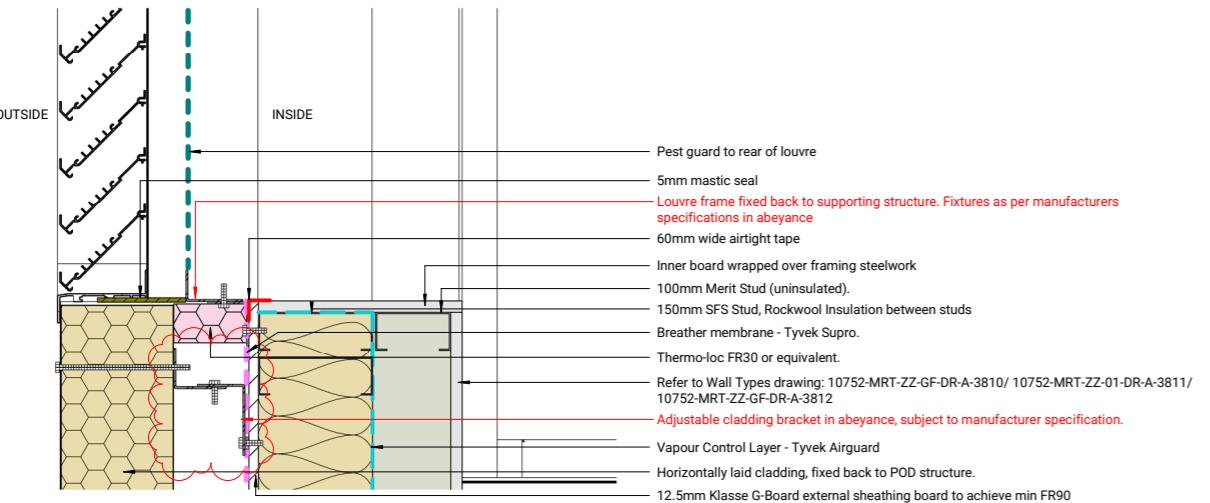
Drawn By: AB Drawn Date: 08.08.25 Checked By: MM Approved By: TW Approved Date: 08.08.25

Drawing No: 10752-MRT-ZZ-ZZ-DR-A-3738 Rev: P02



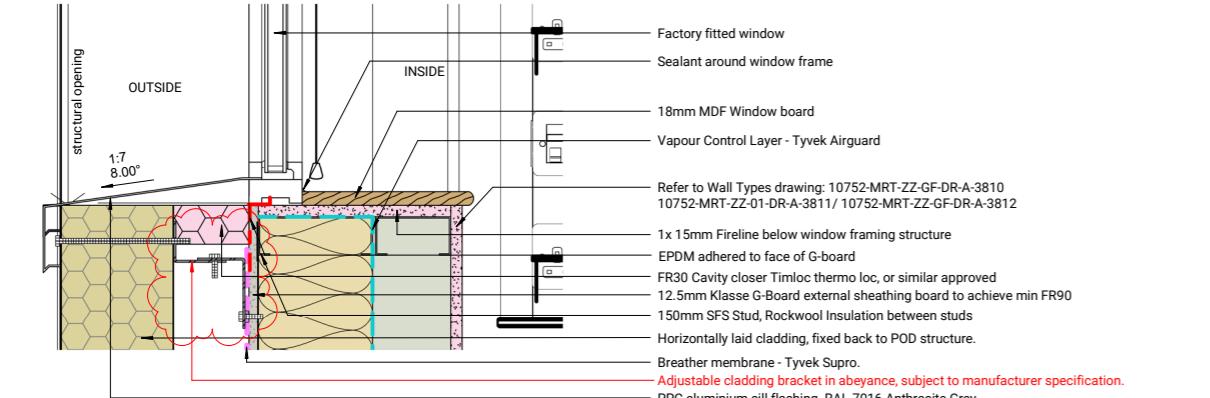
1 Envelope- Louvre head- Section detail

1 : 5



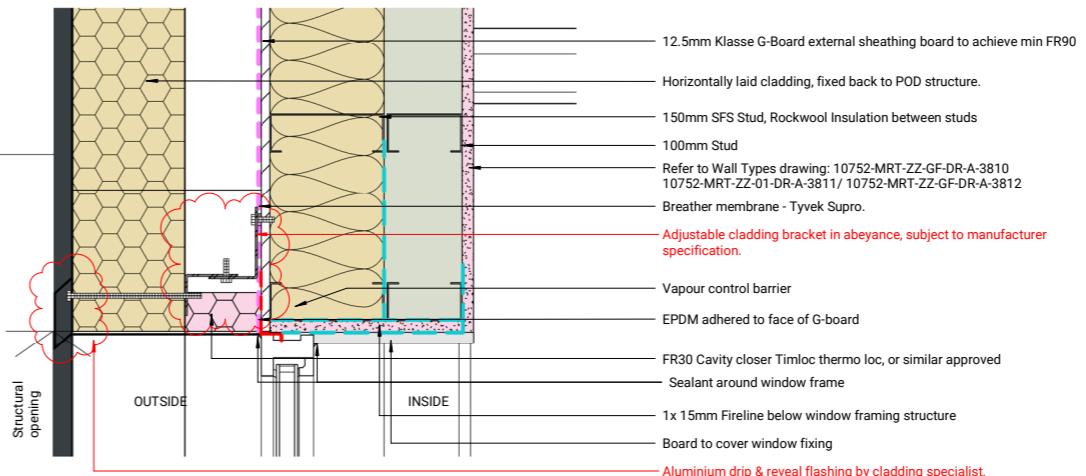
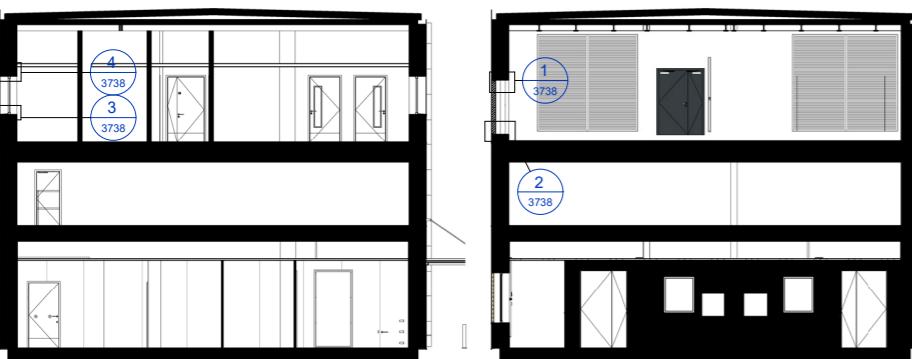
2 Envelope- Louvre base- Section detail

1 : 5



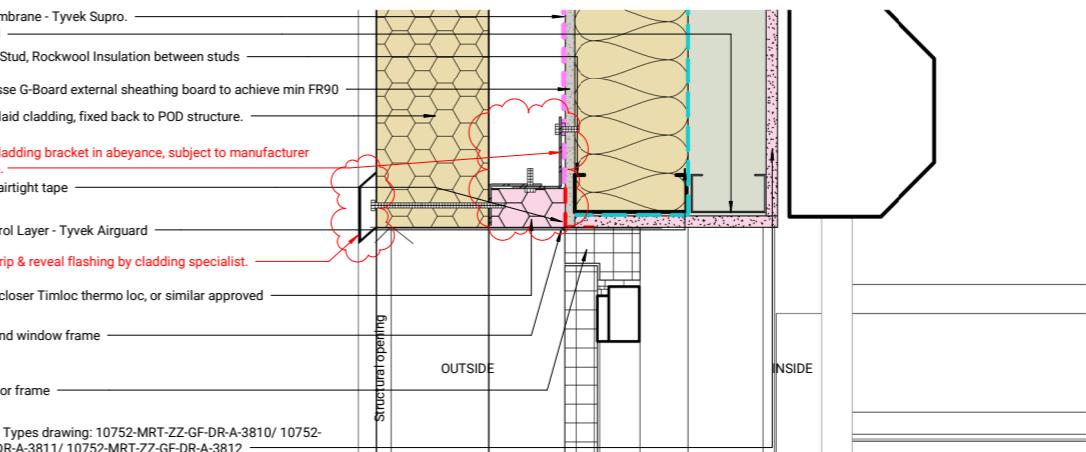
3 Envelope- FF Level- Window Sill Section detail

1 : 5



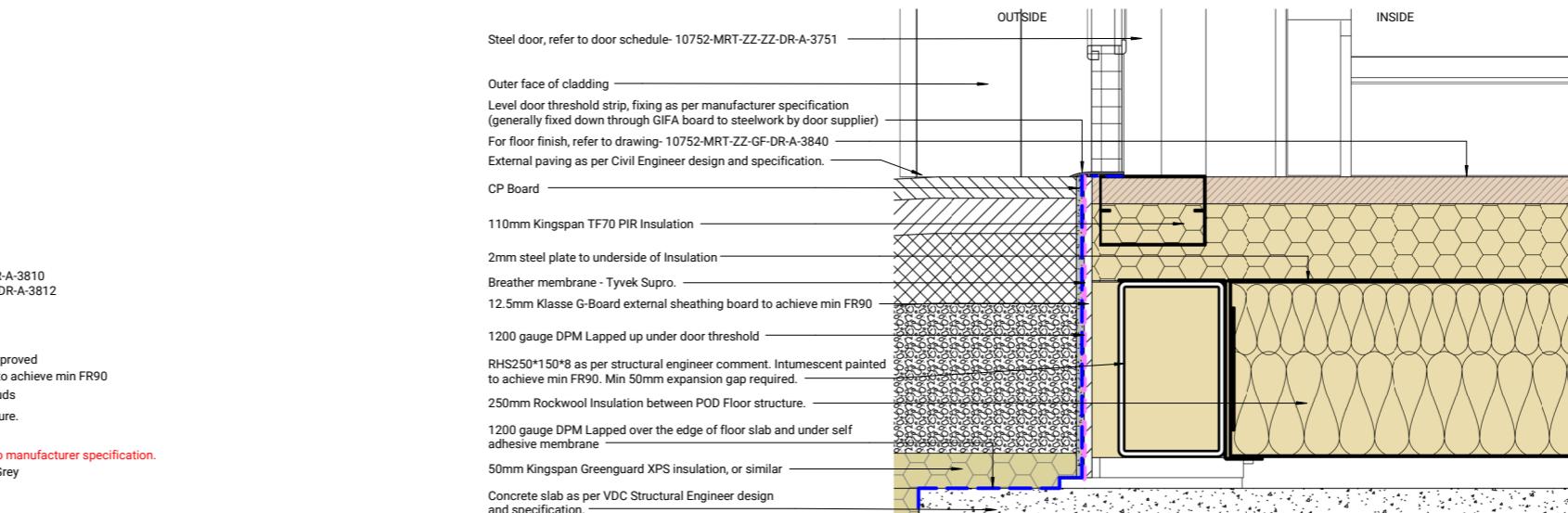
4 Envelope- FF Level- Window Head- Section detail

1 : 5



5 Envelope- Door Head- Section detail

1 : 5



6 Envelope- Door Threshold- Section detail

1 : 5

PROJECT TYPE: ASEPTIC FACILITY
ENVELOPE DETAILS

NOTES:

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.

ANY ANOMALIES TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO FABRICATION.

ANY DEVIATIONS FROM DRAWING TO BE REPORTED TO DESIGN DEPARTMENT PRIOR TO INSTALLATION.

1. All copyright remains with Merit. Drawings are issued for this project only and must not be reused, copied, or adapted without written permission. Licence requests: <http://www.merit.co.uk>.

2. Drawings must be read in conjunction with all relevant architectural, engineering, and specialist information to ensure full coordination.

3. Any discrepancies within these drawings or between them and other documents must be referred to Merit before work proceeds.

4. Do not scale from drawings. Use figured dimensions only. Dimensions marked "to be site checked" must be verified prior to construction.

5. Subcontractor surveys (e.g. for steelwork) override indicative dimensions and must ensure accurate fit and coordination.

6. The Principal Contractor is responsible for all temporary works and must appoint a competent Temporary Works Coordinator (TWC) in line with BS 5975.

7. Contractor-designed elements affecting Merit's scope must be submitted to the Engineer a minimum of 10 working days before fabrication. Merit's review does not transfer design responsibility.

8. Proprietary products shown are based on supplier data. Merit accepts no liability for their performance. Installation must follow manufacturer instructions.

9. All works must comply with the Construction (Design and Management) Regulations 2015. The Principal Contractor is responsible for site health, safety, and coordination.

10. Any significant residual design risks are highlighted in drawings or specifications and must be addressed in construction planning.

11. Only the latest revision of each drawing is to be used. Superseded versions must be removed from circulation.

Acoustic design is subject to building control sign off.

Single leaf doors in labs subject to removal following fire engineer review.

DRAWING ANNOTATIONS
DRAWING REVISIONS
GENERAL NOTE & DIMENSIONS
IN ABEYANCE

Partitions

- Rw 59 dB
- Rw 52 dB
- Rw 47 dB
- Rw 42 dB
- Rw 37 dB

Doors

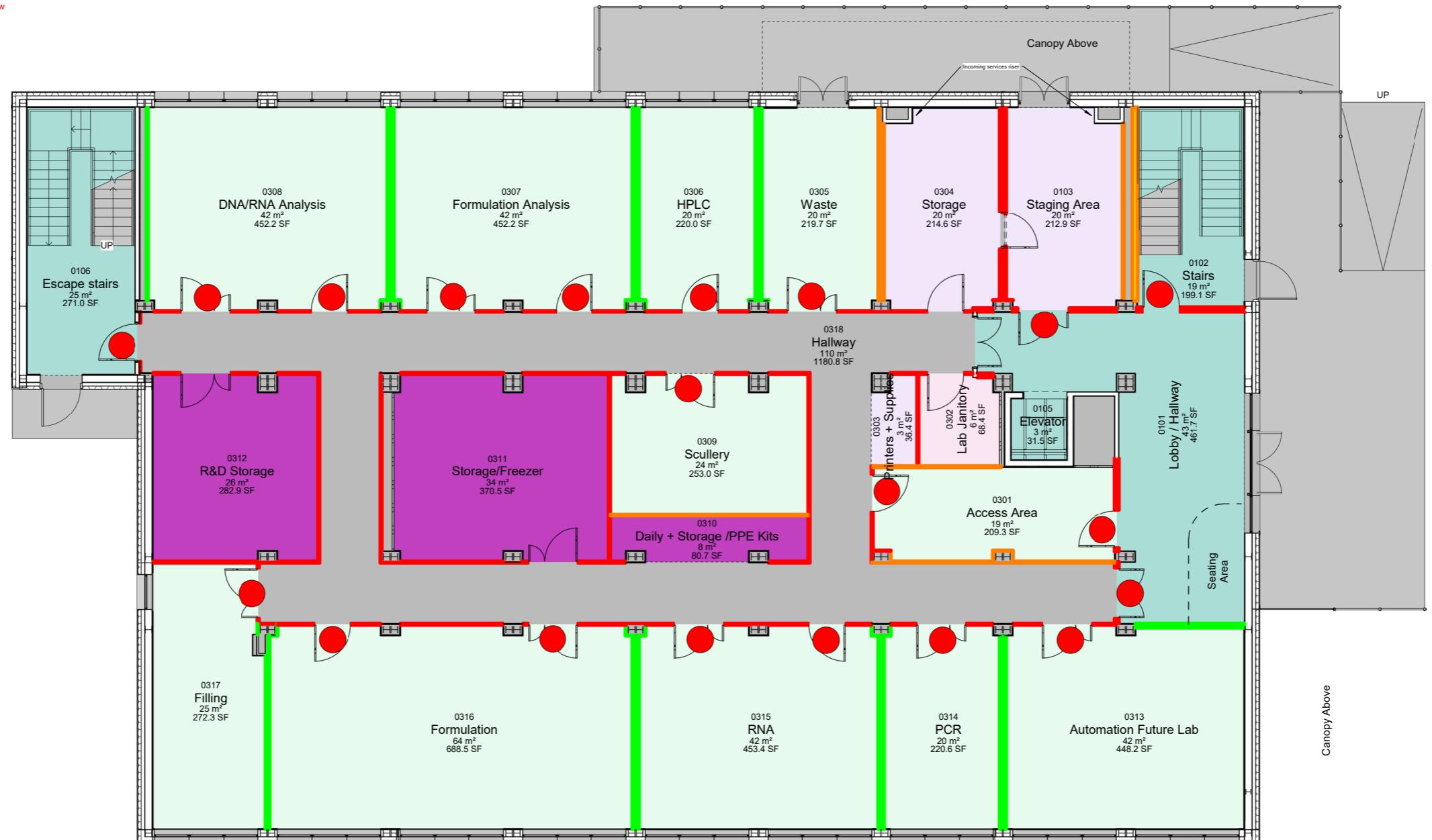
- Rw 35 dB
- Rw 30 dB

Glazed Screens

- ◇ Rw 45 dB
- ◆ Rw 38 dB

Background Noise Level

- CIRCULATION
- LAB AND PRODUCTION
- LIVING / SERVICES
- OTHER
- STORAGE

1 Ground Floor - Acoustic Plan
1 : 75

Acoustic Legend

Ceilings: Refer to the Reflected Ceiling Plan drawings for all ceiling ratings.

Rooms: The dB values listed for rooms represent their estimated noise tolerance (measured as LAeq over 30 minutes). The difference between the expected noise levels from adjacent spaces and the sound insulation performance of the separating construction must be less than the specified tolerance for each room.

Walls: The dB ratings shown for walls indicate their anticipated sound reduction performance. These ratings assume proper detailing at junctions and around any penetrations to maintain acoustic integrity.

Doors/Windows: The dB ratings for doors and windows specify the minimum required level of sound insulation for these components.

All stated values are intended as a design baseline and must be reviewed and confirmed with the Client, MEP consultants, and the Acoustic Consultant during detailed coordination.

All acoustic ratings shown are indicative and subject to verification.

PROJECT TYPE: BIOTECH R&D LAB
ACOUSTIC STRATEGY PLAN

MY ROLE:

- Developed early stage acoustic strategy by applying regulatory requirements to guide the lab layout and space performance.

C01	10/07/25	FINAL DESIGN SUBMISSION	AB	MM
P04	08/07/25	For Final Review	AB	MM
P03	23/07/25	Updated Layout	AB	MM
P02	23/05/25	Updated Acoustic levels	AB	MM
P01	08/05/25	PRELIMINARY	AB	MM
REV DATE		DESCRIPTION	BY	APP

Status: A4 TECHNICAL DESIGN

Unit 8, Northumberland Business Park
Cramlington, Northumberland
NE23 7RY
Telephone: +44 (0)191 250 4330
Email: enquiries@merit.co.uk
Web: <http://www.merit.co.uk>© WE OWN THE COPYRIGHT IN ALL WORK CREATED BY US OR FOR US. MANY OF OUR PRODUCTS
CIRCUMSTANCES REQUIRES A WRITTEN LICENSE FROM US SETTING OUT THE TERMS UNDER WHICH
SUCH REPLICATION AND/OR REPRODUCTION IS PERMITTED. OUR HEAVY INVESTMENT IN
INNOVATION AND DESIGN MEANS THAT WE OWN THE COPYRIGHT IN OUR WORK. TO TEST
OUR INVESTMENT AND INTELLECTUAL PROPERTY RIGHTS AND BREACHES OF OUR COPYRIGHT WILL
BE PURSUED TO THE FULL EXTENT OF OUR RIGHTS. LICENCE REQUESTS SHOULD BE ADDRESSED TO
licences@merit.co.uk

Client:

Drawing Title:
Ground Floor Acoustic Plan
Proposed Layout
General ArrangementProject Name: A1
Size: As indicated

Drawn By: AB Drawn Date: 08/05/25 Checked By: MM Approved By: MM Approved Date: 08/05/25

Drawing No: 10729-MRT-ZZ-GF-DR-A-3081 Rev: C01

Tenders Stage
Selected Works.



Proposal Document Pages

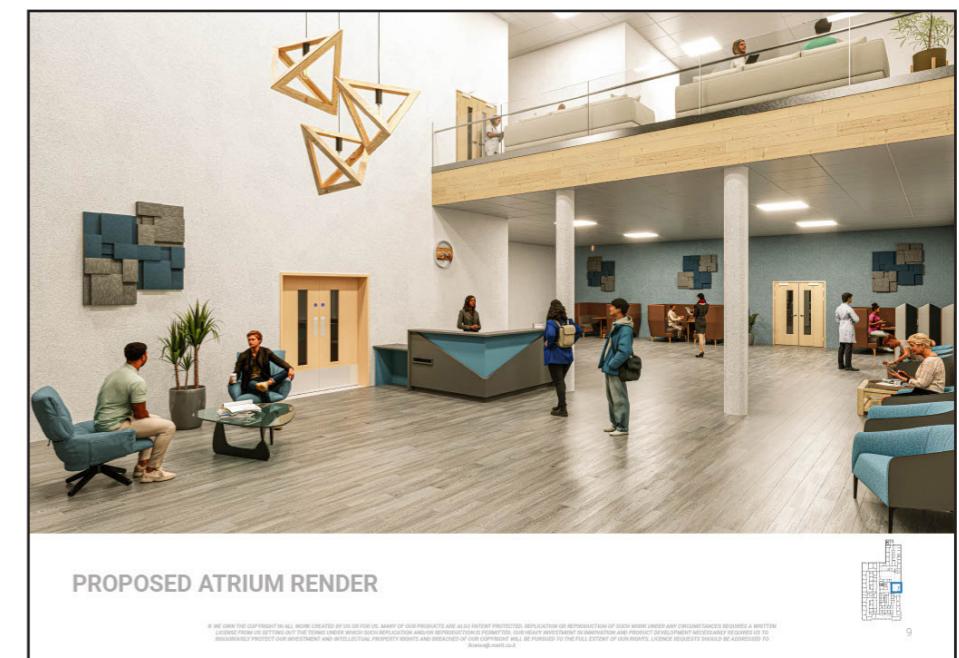
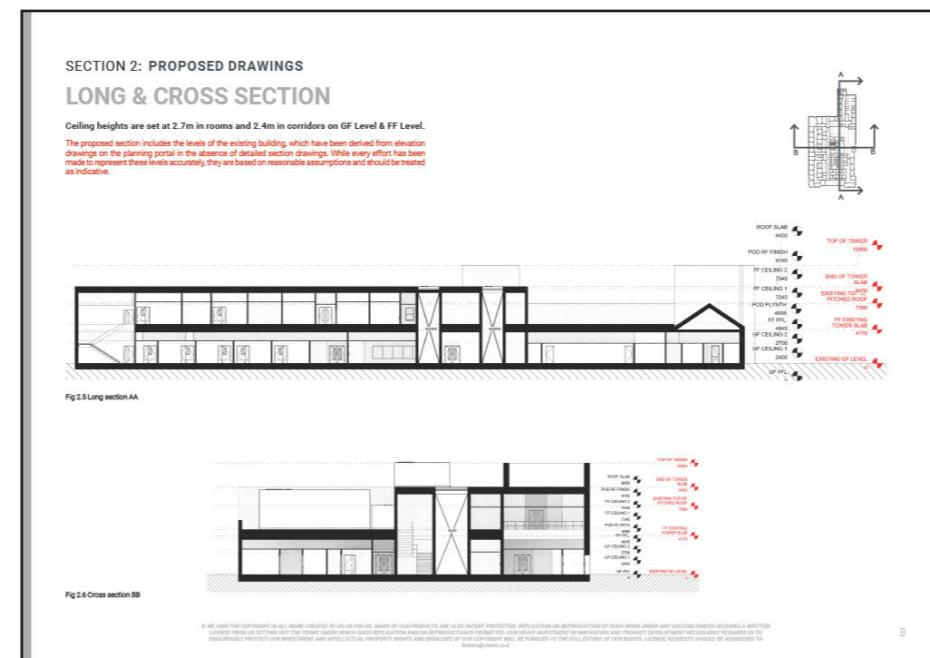
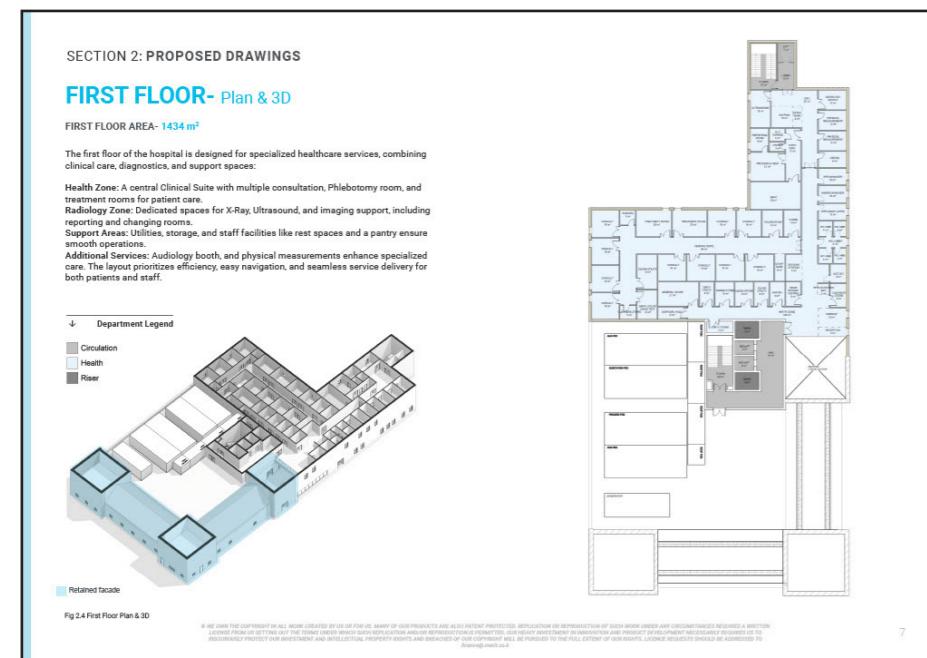
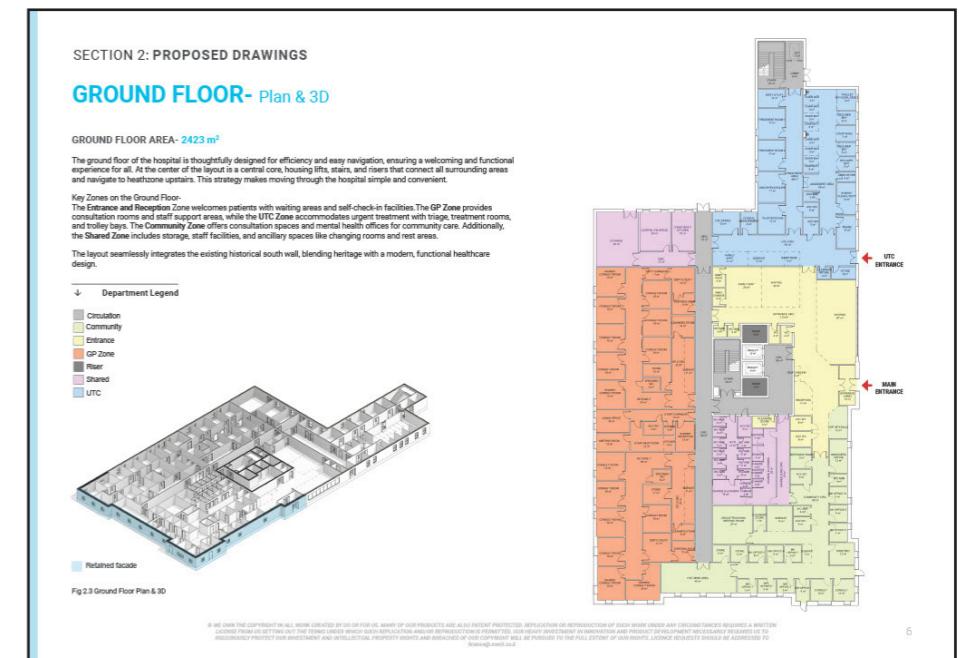
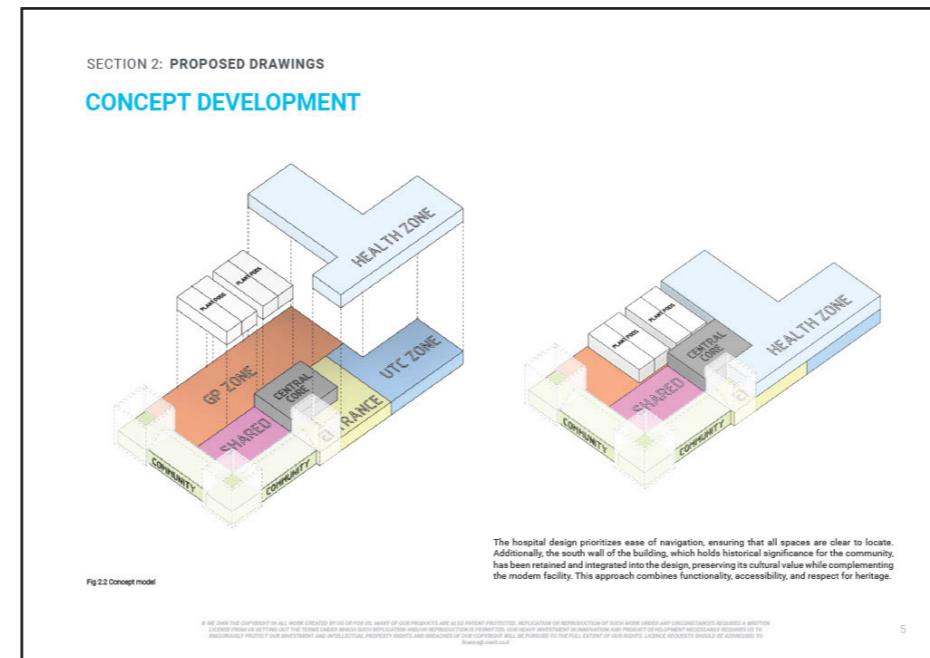
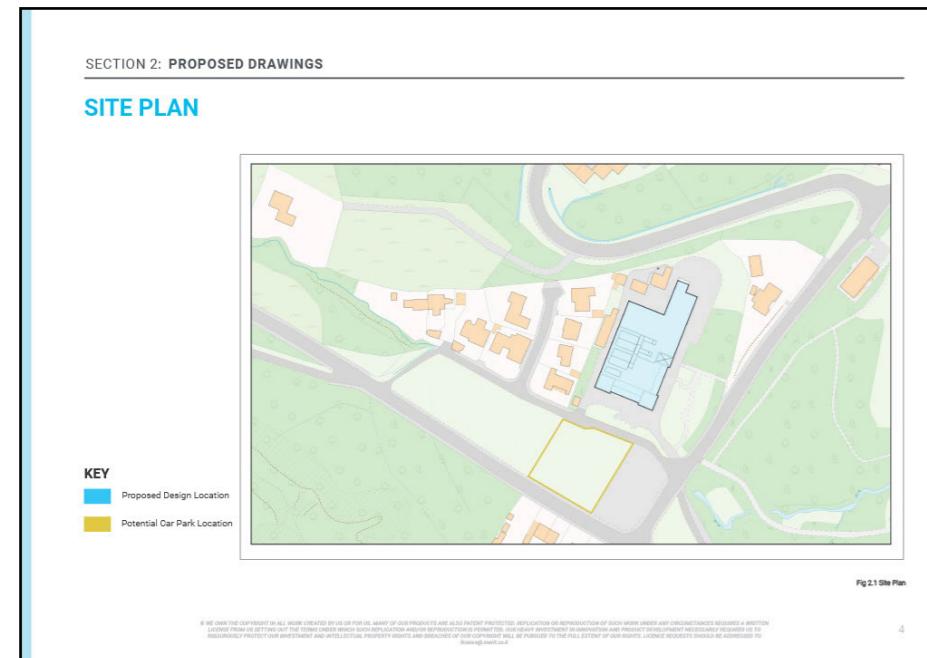
type.

HEALTHCARE

Health and wellbeing centre plus Urgent care

MY ROLE:

Designed the project from concept stage, including zoning, spatial planning, circulation, room sizing, floor plans, and the final design proposal.

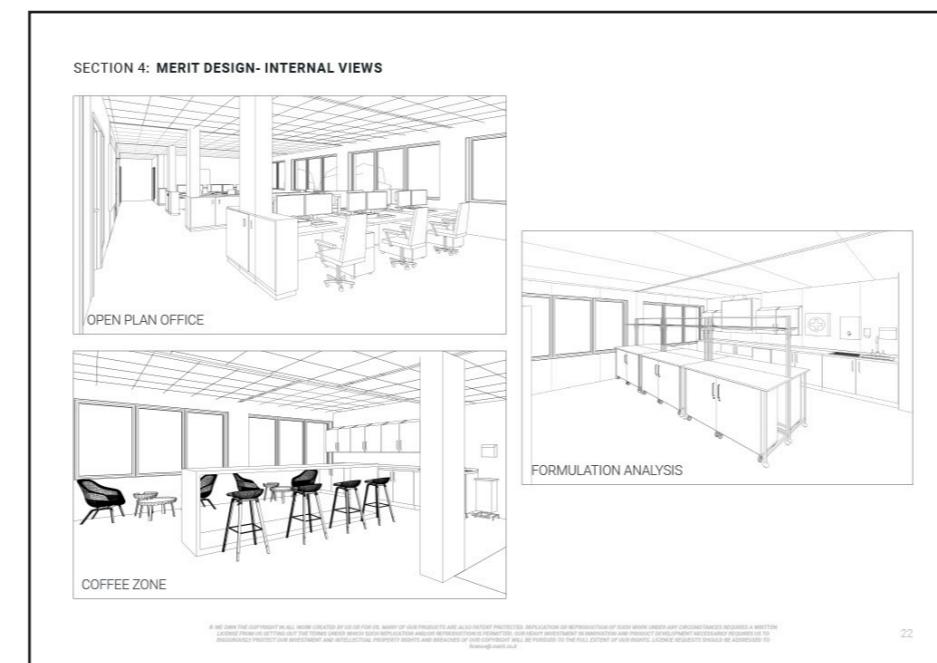
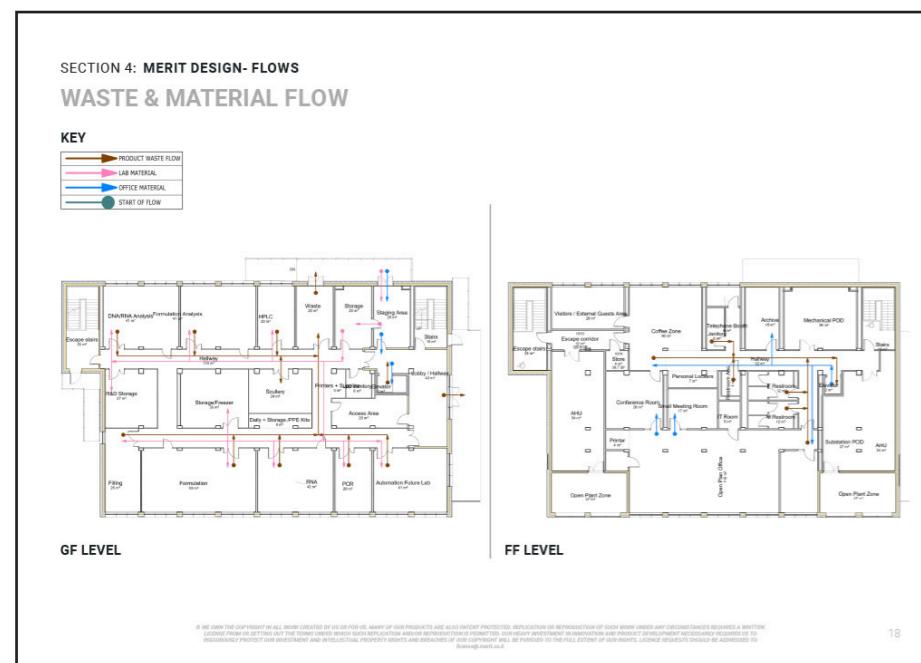
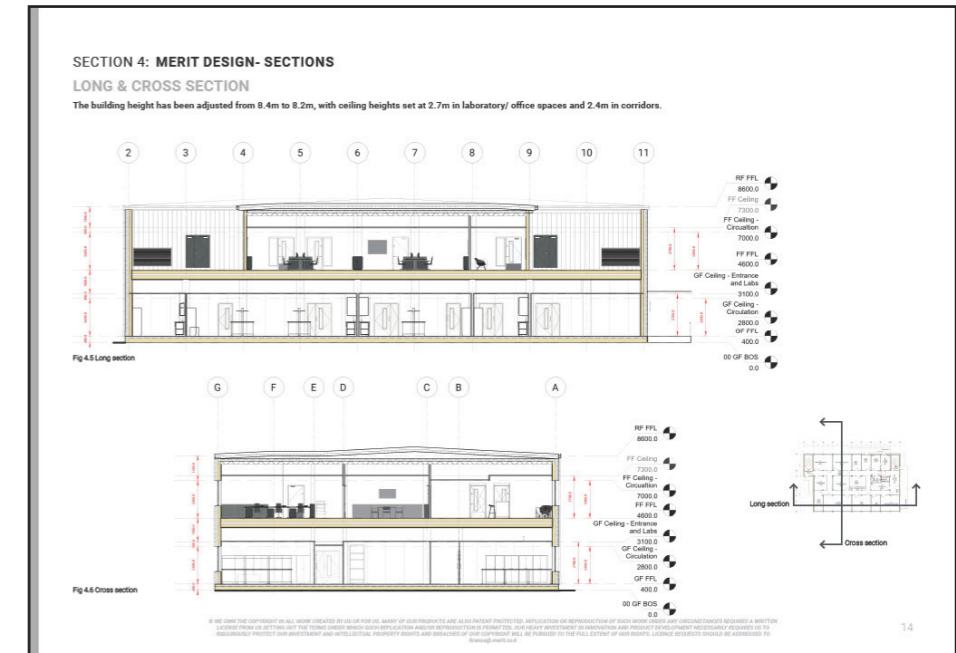
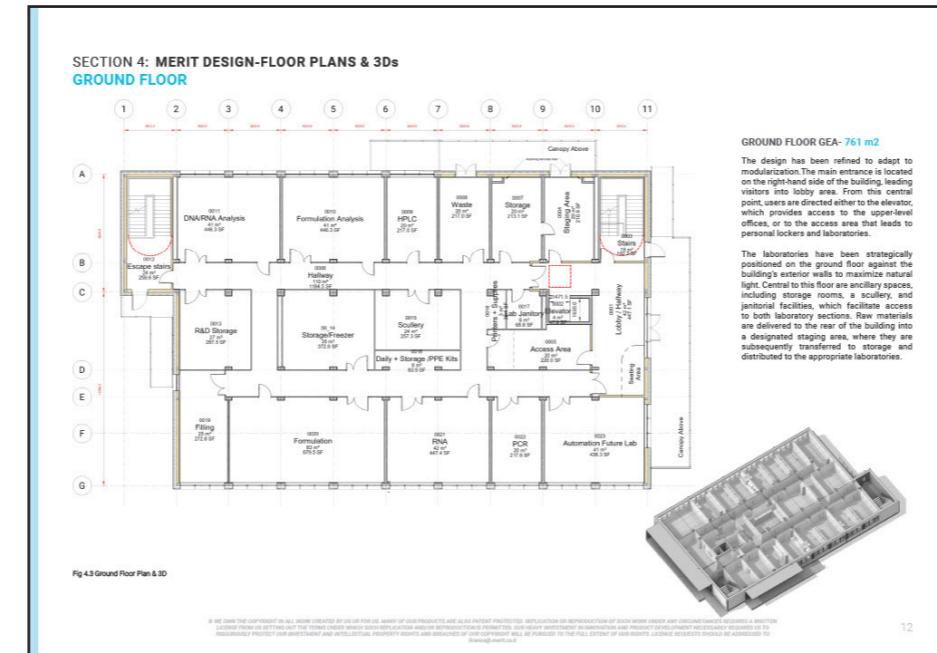
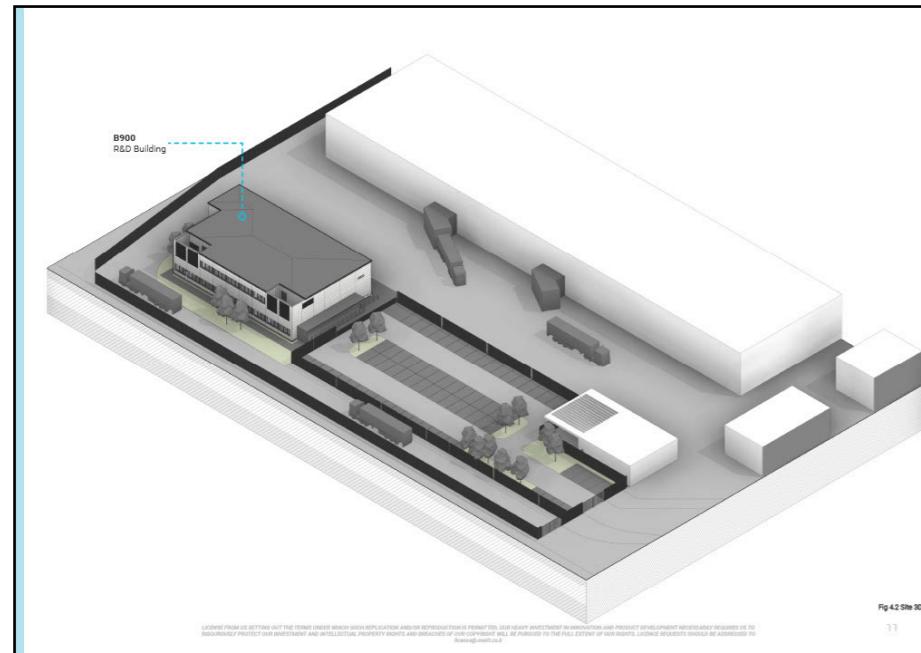


type.

BIOTECH R&D Lab

MY ROLE:

Led the design development stage, revising plans based on client feedback, updating layouts and zoning, and producing the design proposal.



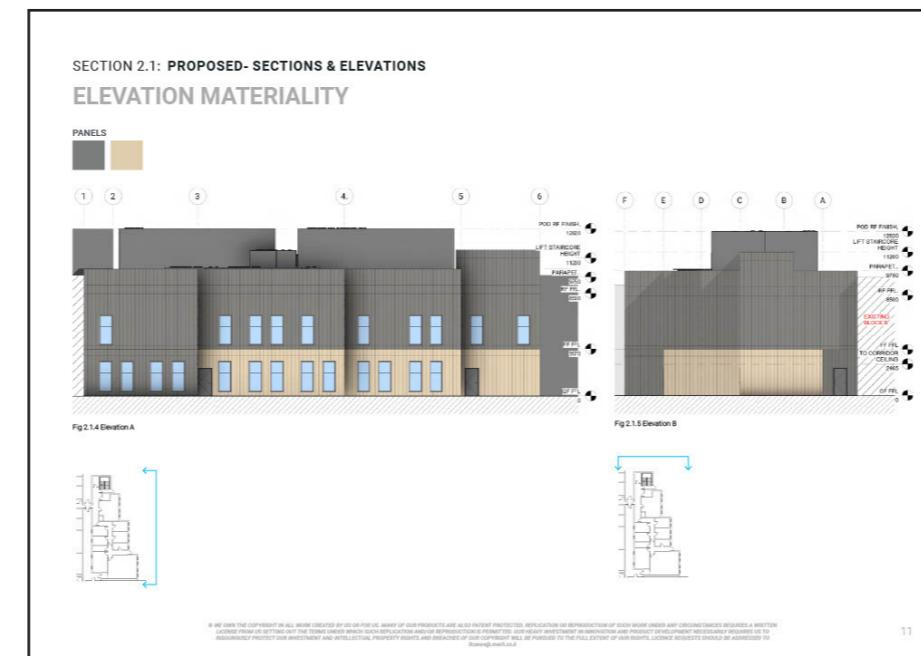
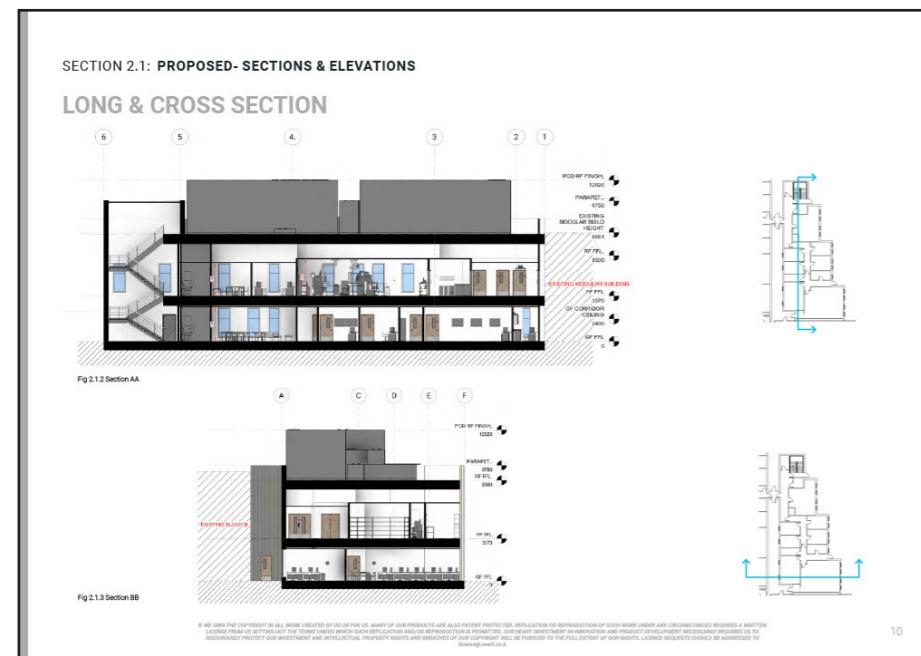
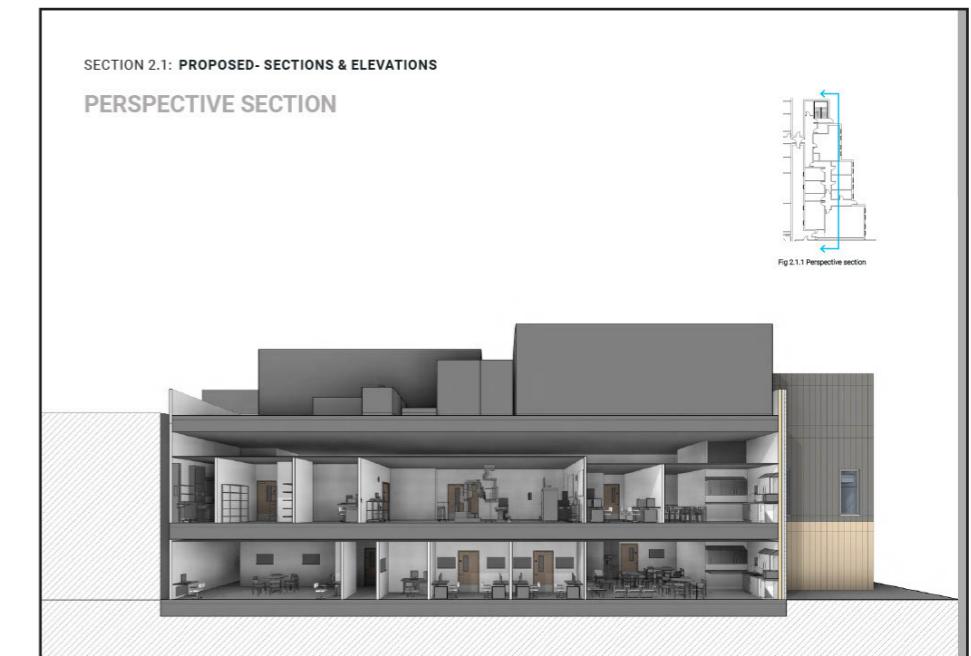
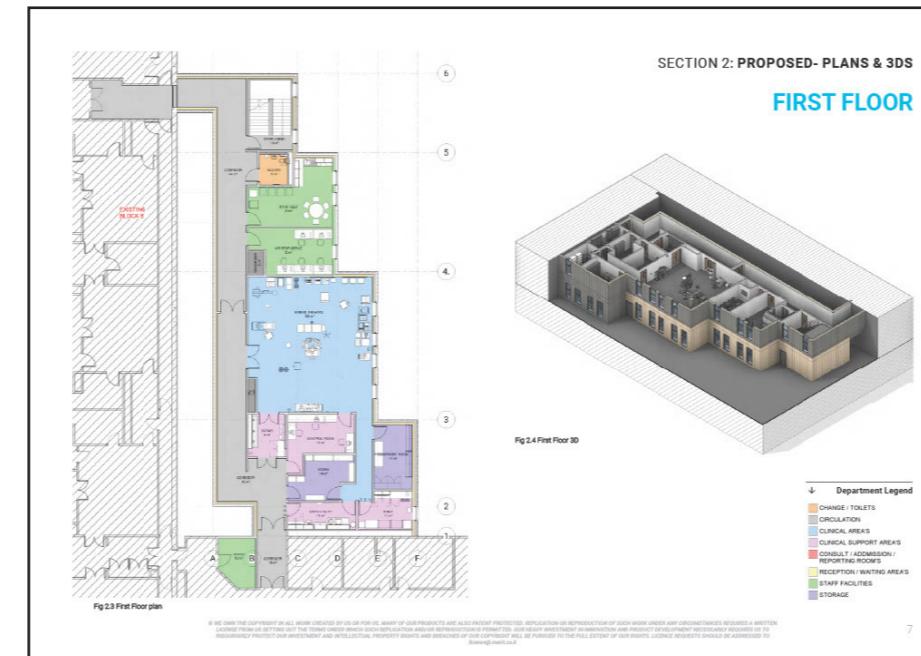
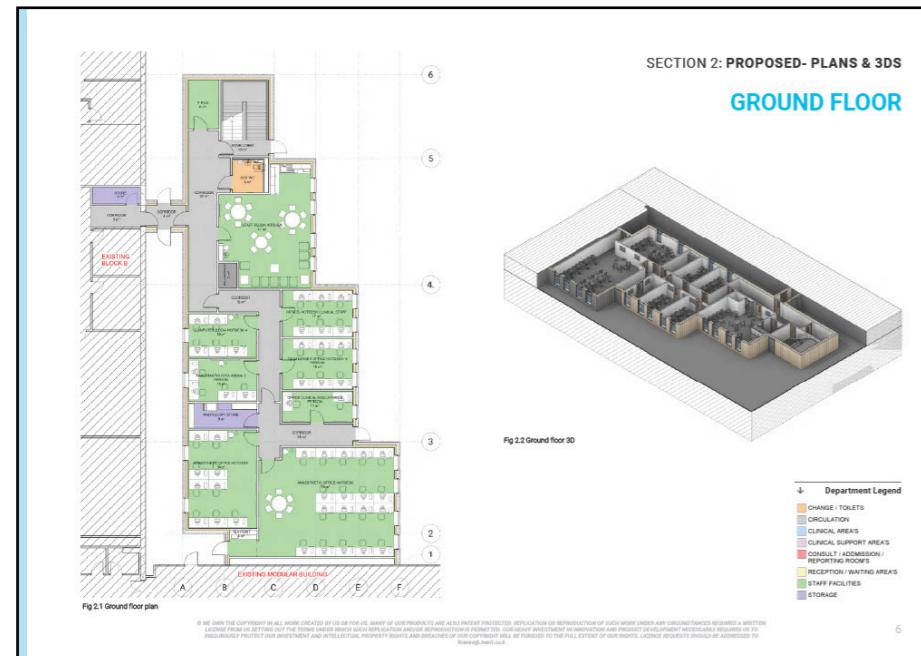
type.

HEALTHCARE

Hybrid Theatre Facility

MY ROLE:

Led design from concept stage, including zoning, spatial planning, room layouts, sections, elevations, material development, and 3D visualisation.



Thankyou.

for your time

You can also view my design work @
www.anbdesigns.co.uk