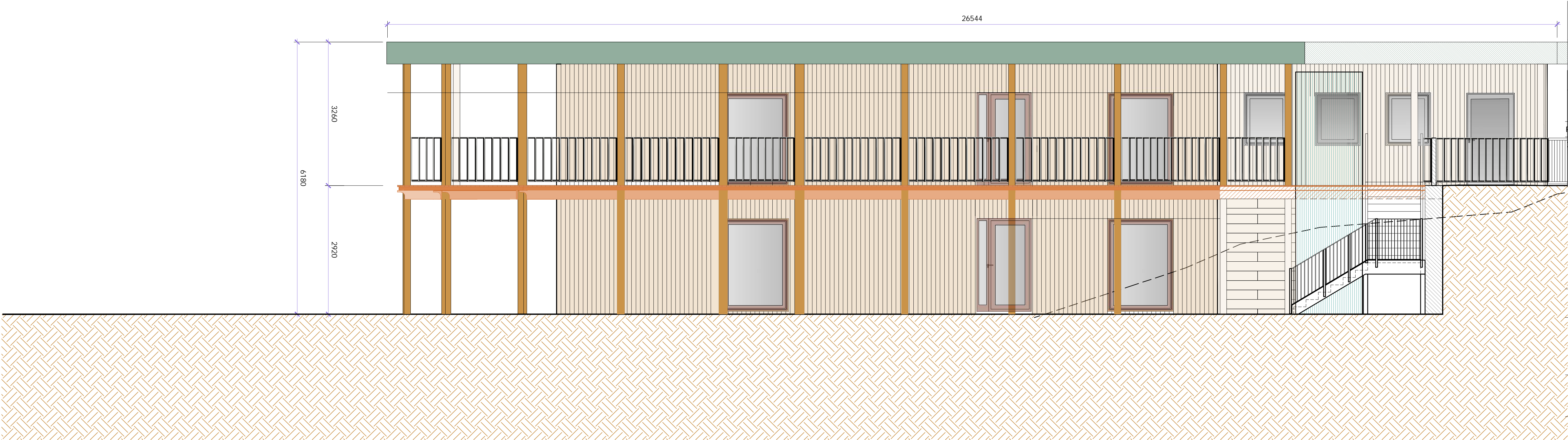


West Elevation



East Elevation

- NOTES :
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

TENDER

B	24-10-2025	Changes to location of doors and windows	AC
A	03-07-2025	Resizing of Text in paper space and amendments to drawing number	TH
Rev.	Date	Revision	By
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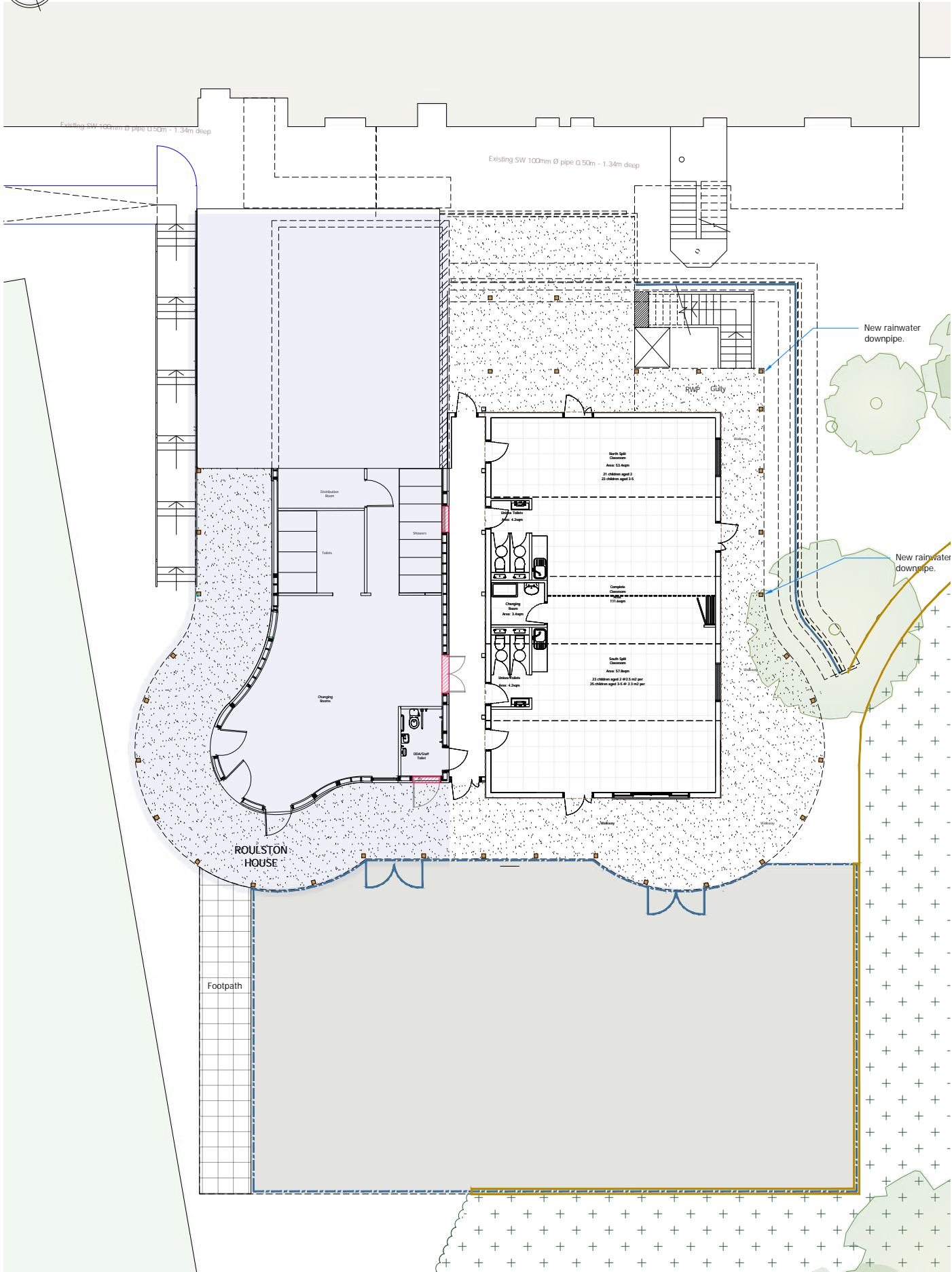
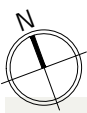
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

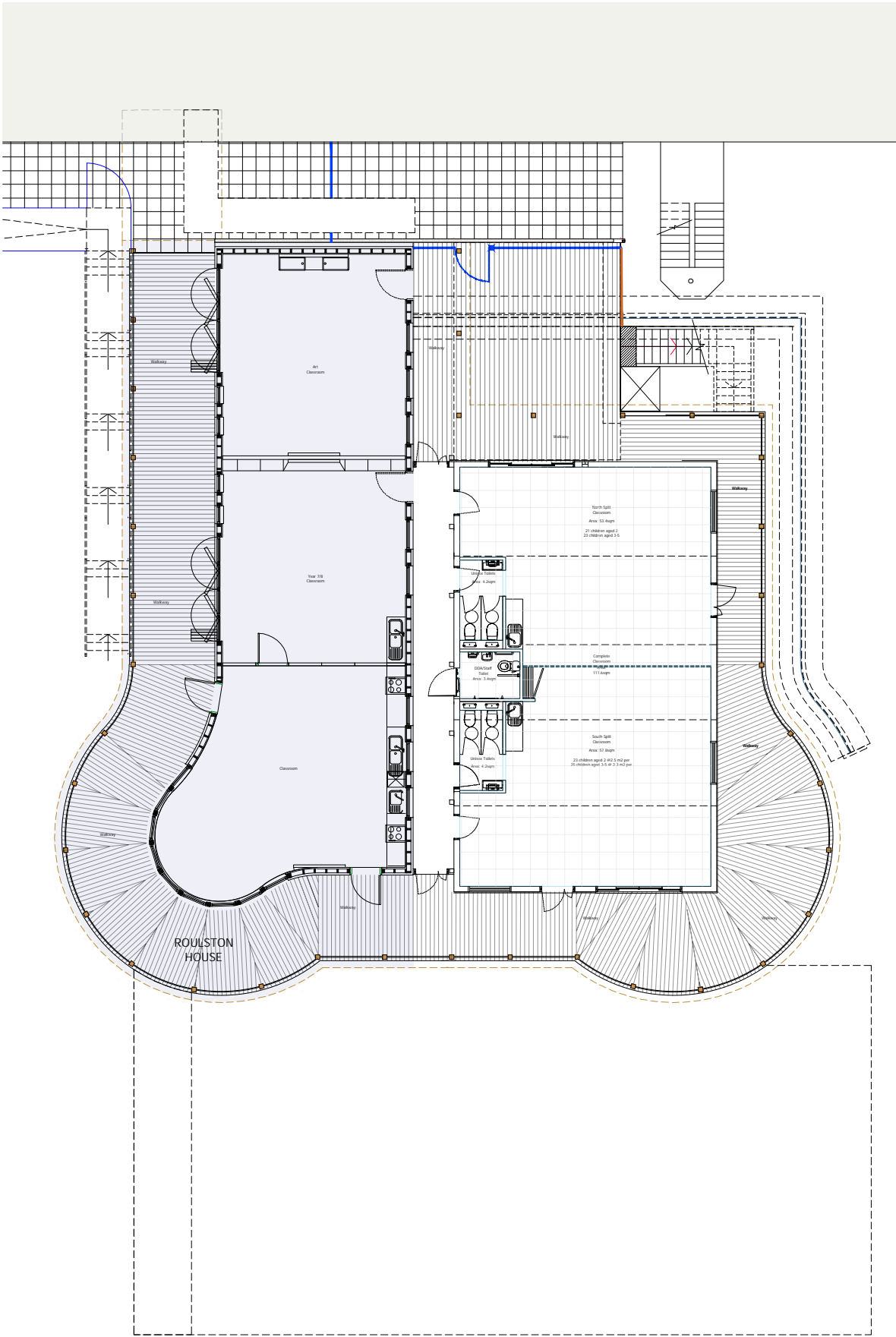
Drawing title:
Proposed East and West Elevations



Scale: 1:50 @ A1	Drawn: TH
Date: June 2025	Chkd: AC
Drawing No: 15721(E)31-04	Rev: B



Ground Floor Plan



First Floor Plan

- NOTES :
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

TENDER

B	20-10-2025	Layout Amended	AC
A	04-08-2025	Layout Amended	TH
Rev.	Date	Revision	By
C	Copyright		



Guildford ~ London ~ Bath
8/9 Faraday Road, Guildford, Surrey
GU1 1EA Tel: 01483 468666
Email: guildford@synergyLLP.com
www.synergyLLP.com

Client:
The School Governors

Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

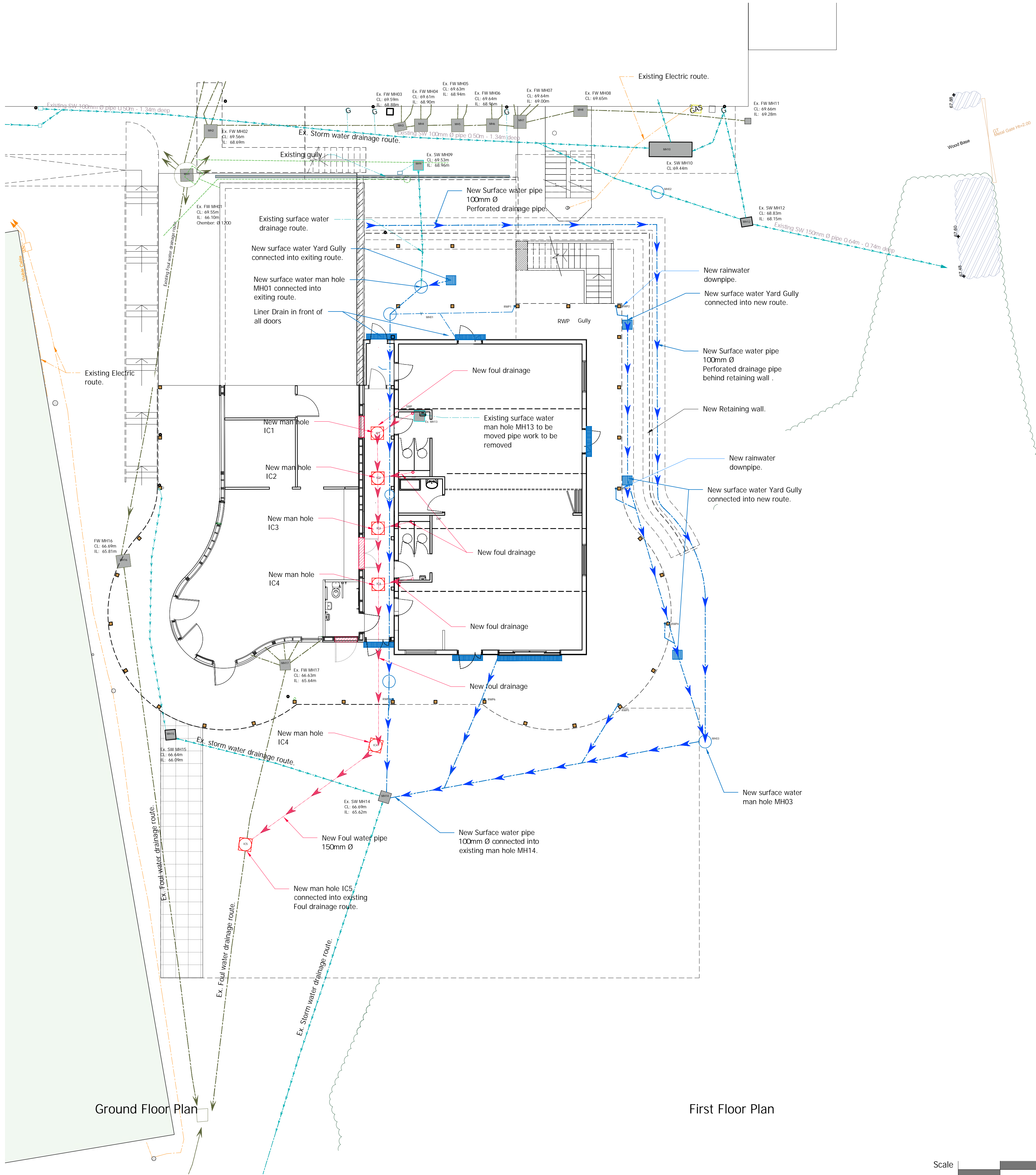
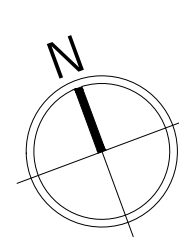
Job title:
Pre-prep Classroom Extension

Drawing title:
Pre-prep Classrooms
As proposed Floor Plans

Scale: 1:100 @ A1 / 1:200 @ A3	Drawn: AC
Date: June 2025	Chkd: AC

Drawing No: 15721(L)23-07	Rev: B
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- NOTES :
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

- Drainage Key
- Existing foul water drainage route.
 - Existing storm water drainage route.
 - New Foul water drainage route to be provided.
 - New storm water drainage route to be provided.

TENDER

A	24-10-2025	changes to below ground drainage to suit to 1st & second floor layout	AC
Rev.	Date	Revision	By
C	Copyright		

Synergy
Construction and Property Consultants
Guildford ~ London ~ Bath
8/9 Faraday Road, Guildford, Surrey
GU1 1EA Tel: 01483 468666
Email: guildford@synergyLLP.com
www.synergyLLP.com

Client:
The School Governors

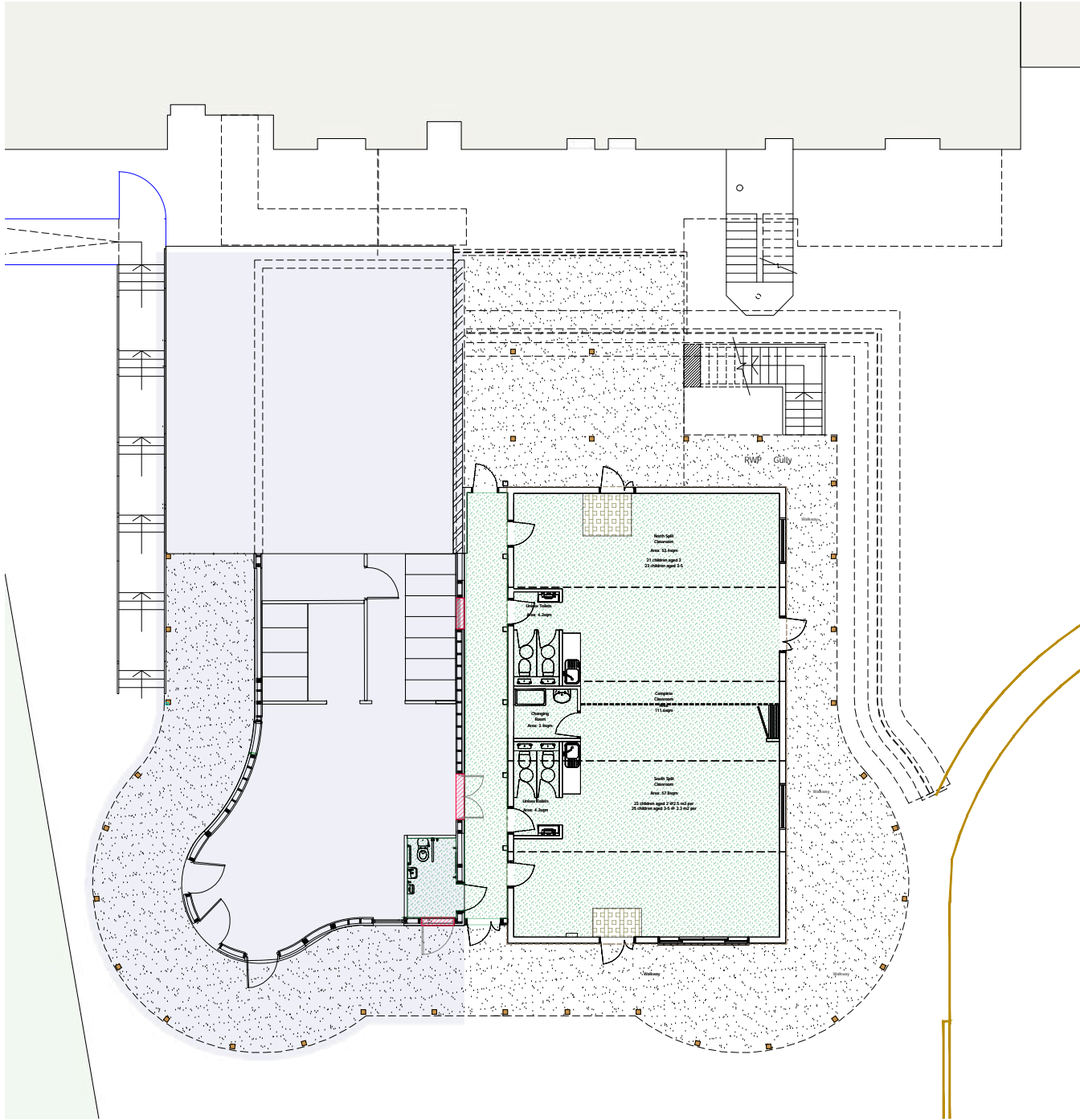
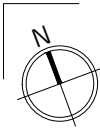
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

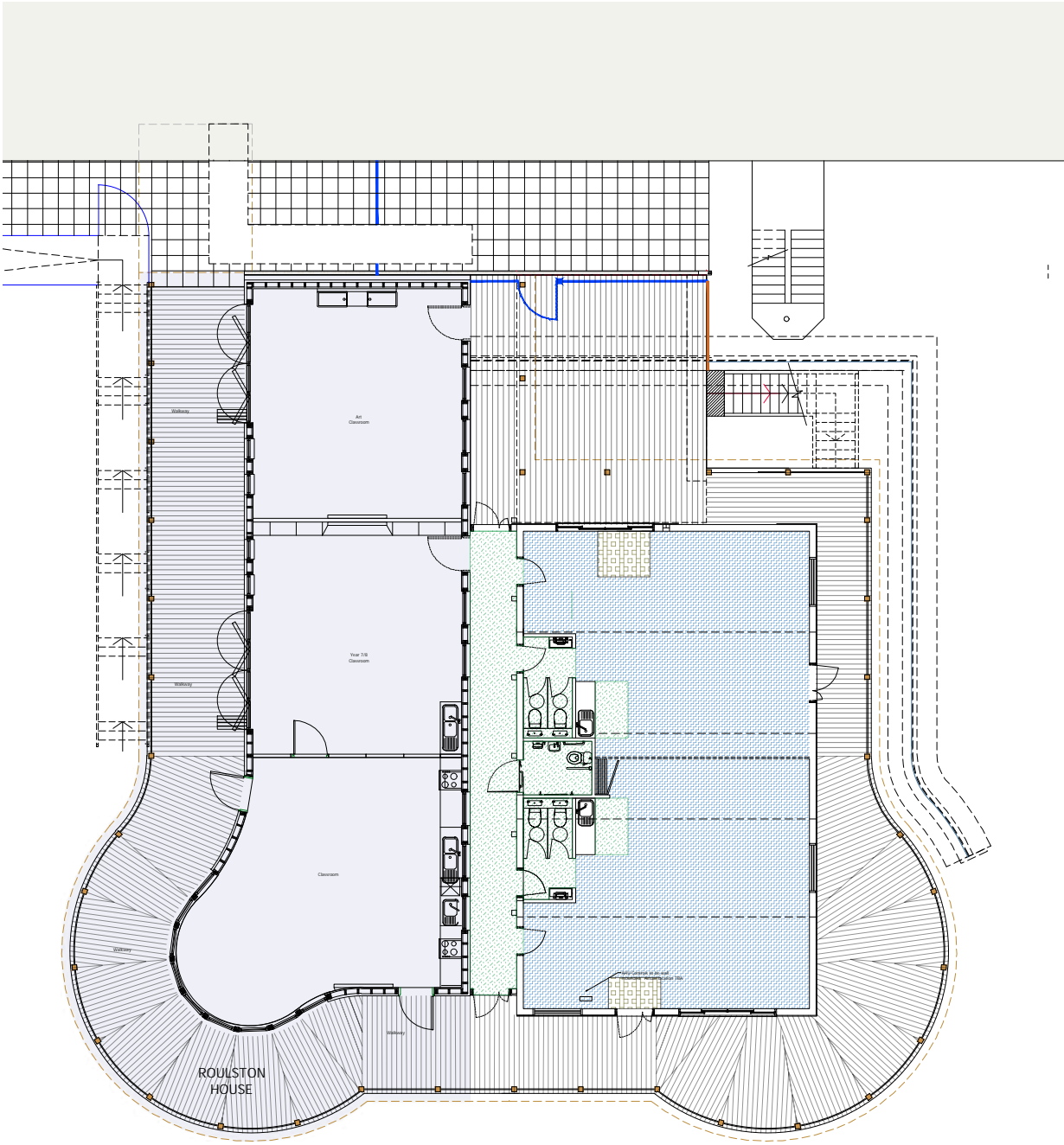
Drawing title:
Pre-prep Classrooms
Proposed Drainage and Services

Scale: 1:100 @ A1 / 1:200 @ A3	Drawn: AC
Date: June 2025	Chkd: AC
Drawing No: 15721(L)23-14	Rev: A

Scale
m 0 2 4 6 8 10 1:100



Ground Floor Plan



First Floor Plan

- NOTES :
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

- Flooring Key
- Carpet as specified.
 - Vinyl as specified.
 - Barrier matting as sp
 - Ecoplastc Decking
 - Tarmac

TENDER

B	24-10-2025	Changes to Internal Layout	AC
A	04-08-2025	Layout Amended	TH
Rev.	Date	Revision	By
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8/9 Faraday Road, Guildford, Surrey
GU1 1EA Tel: 01483 468666
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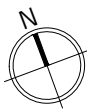
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Pre-prep Classrooms
As proposed Finishes Plans

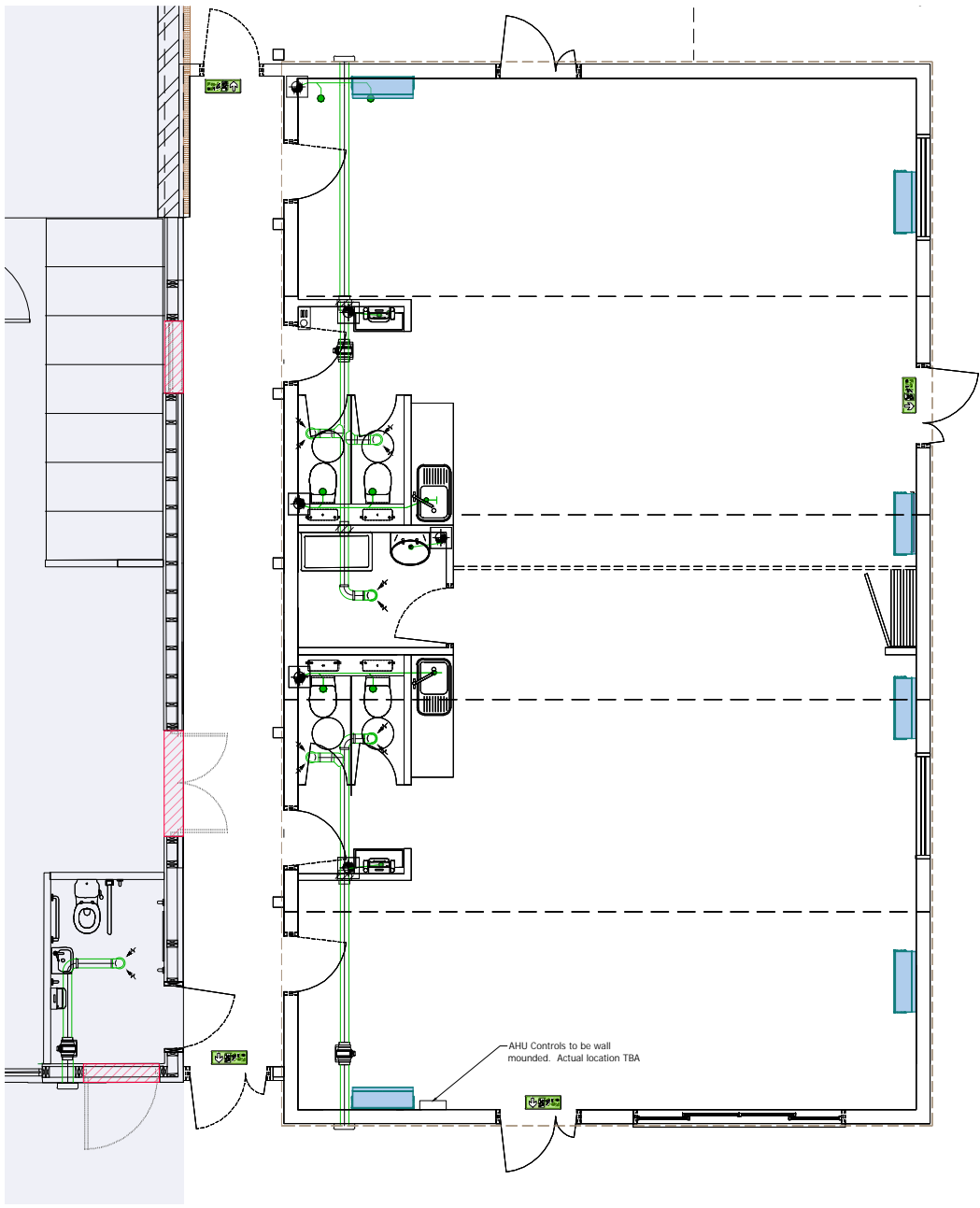
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Date: June 2025	Chkd: AC
Drawing No: 15721(L)23-16	Rev: B



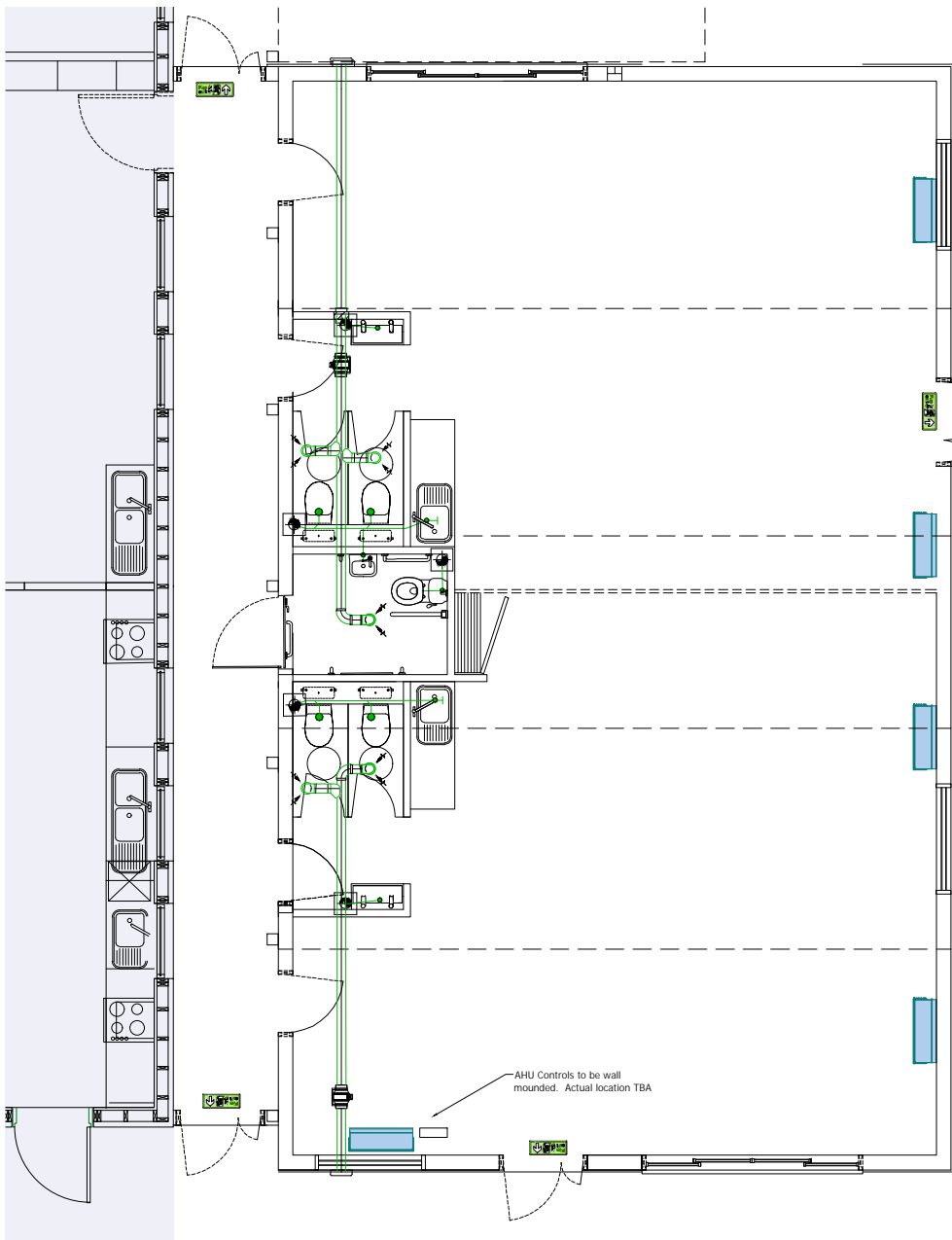


CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

- NOTES :**
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



Proposed Ground Floor Above ground
Waste Ventilation and AC.



Proposed First Floor Above ground
Waste Ventilation and AC.

- GENERAL NOTES**
- ALL SERVICES ARE SHOWN INDICATIVE ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BENDS, OFFSETS, FITTINGS, ETC. TO SUIT THE INSTALLATION AND BUILDING CONSTRUCTION AND CO-ORDINATE FINAL ROUTES WITH ALL OTHER TRADES/SERVICES.
 - ALL SERVICES TO BE CO-ORDINATED WITH ALL OTHER NEW SERVICES, STRUCTURE, BUILDING CONSTRUCTION ETC. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND DRAWINGS.
 - THE CONTRACTOR SHALL LEASE FULLY ON SITE WITH ALL OTHER TRADES TO ENSURE THAT ALL SERVICES CAN BE INSTALLED CORRECTLY.
 - NO SERVICES ARE TO BE INSTALLED PRIOR TO THE PRODUCTION OF FULLY CO-ORDINATED WORKING DRAWINGS BY THE CONTRACTOR.
 - ALL RETAINED SERVICES ARE TO BE VALIDATED PRIOR TO INSTALLATION WORKS.
- DOMESTIC WATER SERVICES NOTES**
- ALL WATER SERVICES INSTALLATIONS TO COMPLY WITH THE WATER REGULATIONS 1999 AND THE LEONORELLA CODE.
 - ALL WORKS SHALL BE IN ACCORDANCE WITH BS6700 (2009).
 - ALL OUTLETS SHALL BE FITTED C/W 1/2" TURN COILING VALVE, CRANE HANDLE FULL FLOW OR EQUIVALENT.
 - ALL LIVE CONNECTIONS SHALL BE MADE NO MORE THAN 3M FROM THE OUTLET.
 - NO BLEEDS HWS LBS SHALL EXCEED 300mm.
 - ALL PIPework SHALL BE INSTALLED SUCH THAT IT IS SELF VENTING & INSTALLED C/W AUTOMATIC AIR VENTS WITH MANUAL 1/2" TURN 1/2" AIR VENTS SHALL HAVE CAPS/PLUG DISCLOSE PREVIOUS RISE TO CONVENIENT WASTE PIPework C/W TRAPPED TUNDRILL.
 - DRAIN COCKS SHALL BE FITTED AFTER MAIN INCOMING & MAIN BRANCHES.
 - THE CONTRACTOR SHALL CO-ORDINATE THE INSTALLATION TO ENSURE MAINTENANCE ACCESS.
 - ALL PIPework TO BE INSULATED, C/W A MOW TO BE VAPOUR SEALED.
 - ALL WATER SERVICES PIPework TO BE CORROSION RESISTANT TO BS EN 1027-82020.
 - ALL NEW HAD WATER PIPework SHALL BE CHLORINATED, SAMPLED & TESTED BY CONTRACTOR EMPLOYED SPECIALIST PRIOR TO HANDOVER/INITIAL USE OF ANY NEW TEST RESULTS SHALL BE ISSUED TO CA AT HANDOVER/INITIAL USE OF ANY AREA.
 - PIPE SIZING THE SANITARY WARE WITHIN THE AREA OF WORKS AND TO BE CONTROLLED VIA THE LOCAL LIGHTING PIP.
 - PROPOSED DOMESTIC WATER PIPework TO BE INSTALLED IN COPPER WAREPSS PIPework CONNECTION ON TO THE EXISTING ABS PIPework SYSTEM.
 - DETAILED FROM RETAINED DOMESTIC WATER SERVICES PIPework TO BE MINIMAL (WITH A MAX LENGTH OF 600mm).
- VENTILATION NOTES**
- ACCESS DOORS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF HANCA TR/18, TABLE 2, IN ADDITION ALL ACCESS DOORS SHALL HAVE ONE DIMENSION OF AT LEAST 400mm TO ALLOW ACCESS. ALL ACCESS DOORS SHALL BE FULLY INSULATED, WITH SADDLES ON CIRCULAR DUCTWORK.
 - FLEXIBLE DUCT CONNECTIONS TO DIFFUSERS & GRILLES SHALL NOT EXCEED 0.5M. INSULATED FLEXIBLE DUCT SHALL BE USED ON EXTRACT DUCTWORK.
 - DIFFUSER NECK SIZES ARE SHOWN DIAGRAMMATICALLY ONLY. DIFFUSERS ARE TO BE COMPLETE WITH TRANSFORMATION PLENUM WHERE CONNECTED TO CIRCULAR DUCTWORK. ALL DIFFUSER/GRILLE SIZES AND CONNECTIONS ARE DIAGRAMMATIC ONLY.
 - INSTALLATION SHALL COMPLY WITH HANCA DW 144.
- ABOVE GROUND DRAINAGE NOTES**
- THE DRAINAGE SYSTEM SHALL BE DESIGNED TO ALL CURRENT BRITISH STANDARDS, CODE GUIDES AND GOOD PRACTICE.
 - ALL SANITARY PIPework SHALL BE IN ACCORDANCE WITH PLUMBING INSTITUTE DESIGN GUIDE, AND CODE OF PRACTICE FOR SANITARY PIPework - BS 5272:1994.
 - MANHOLE TRAP SIZES AND DEPTHS SHALL BE AS FOLLOWS:-
 - A) WBS - 50mm TRAP - 75mm SEAL
 - B) SNWS - 40mm TRAP - 75mm SEAL
 - C) MC PAN - 100mm TRAP 50mm SEAL
 - UNLESS OTHERWISE INDICATED, BRANCH PIPE SIZES TO BE:
 - A) WBS - 50mm
 - B) MC - 100mm
 - C) SNW - 40mm
 - AUTOMATIC AIR ADJUSTMENT VALVES (AAV) SHALL BE INSTALLED FULLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. BORING IN/CONCREMENT OF AAVN TO BE ALSO PROVIDED WITH A SUTHERN SIZED ACCESS PANEL TO FACILITATE THE FUTURE REMOVAL/REPLACEMENT OF THE AAV.
 - THE SANITARY PIPework INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING REGULATIONS APPROVED DOCUMENT H1 & THE RECOMMENDATIONS OUTLINED IN BS EN 12056: PART 2. THE SANITARY PIPework INSTALLATION SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS & PRINTED INSTRUCTIONS.
 - ACCESS MUST BE PROVIDED AT THE BASE OF ALL VERTICAL SOIL STACKS, AT EVERY FLOOR, AT ALL BRANCHES & CHANGES OF DIRECTION TO FACILITATE THE CLEANING OF THE SYSTEM & REMOVAL OF BLOCKAGES.
 - ALL HORIZONTAL SOIL & WASTE PIPework TO BE LAD TO A MINIMUM FALL OF 1 IN 40, UNLESS STATED OTHERWISE. HORIZONTAL VENT PIPework MAY BE RUN FLAT & SHOULD GENERALLY BE TIGHT TO THE UNDERSIDE OF THE SOFFIT.
 - SOIL PIPework SHALL BE IN UPVC TO BS 5254. PIPework UP TO AND INCLUDING 50mm TO BE MUPVC. ALL PIPework COLOURED WHITE.
 - ALL SVPS AND STUB STANDS CONNECTED TO WCS SHALL BE 100mm UNLESS STATED OTHERWISE.
 - WHERE EXPOSED, ALL DRAINAGE PIPework SHALL BE PAINTED WHITE (BY OTHERS).
 - FIRE COLLARS WILL BE PROVIDED TO ALL DRAINAGE PENETRATIONS THROUGH THE SLAB AS REQUIRED BY BUILDING REGULATIONS.

TENDER

Scale 1:50
m 0 1 2 3 4 5

- MECHANICAL SERVICES LEGEND**
- DOMESTIC COLD WATER AT LOW LEVEL
 - DOMESTIC COLD WATER WITHIN CEILING VOID
 - DOMESTIC HOT WATER FAN AT LOW LEVEL
 - DOMESTIC HOT WATER FAN WITHIN CEILING VOID
 - DRAINAGE PIPework AT LOW LEVEL
 - DRAINAGE PIPework BELOW FLOOR LEVEL
 - LOCATION OF SANITARY APPLIANCE SERVED BY HWS & CWS C/W TWIN
 - PIPework DROP / RISE
 - 1/2" HWH THERMOSTAT / CONTROLLER C/W TAMPER-PROOF SECURE ENCLOSURE
 - #100mm SWELCON VC EXTRACT DISC VALVE C/W TAMPER-PROOF SCREW-LOCKING
 - CIRCULAR EXTRACT DUCTWORK
 - RECTANGULAR EXTRACT DUCTWORK
 - ABOVE GROUND DRAINAGE SOIL VENT PIPE
 - VOLUME CONTROL DAMPER
 - FIRE DAMPER
 - THERMOSTATIC MIXING VALVE
 - IN-LINE EXTRACTOR FAN

- DATA KEY**
- DOUBLE DATA POINT AT LOW LEVEL/WITH IN TRUNKING
 - DOUBLE DATA POINT AT HIGH LEVEL
 - CCTV CAMERA (to be supplied by others)
 - WIRELESS ACCESS POINT (to be supplied by others)
 - MULTIMEDIA CONNECTION
 - DATA CABINET
 - CCTV CAMERA (to be supplied by others)
- NEW ONA FIRE OPTIC 8 CORE CABLE**
- LINK TO FIRE ALARM PANEL (Panel located in Cooper Building)
- DETAIL FOR THERMOSTATIC MIXING VALVE ARRANGEMENT**

- KEY**
- ROOFING EYE
 - SUB-STOCK
 - SOIL VENT PIPE
 - AP COMBUSTION
 - HEATER PANEL
 - HAND DRYER
 - UNDER COUNTER FRIDGE
 - LOW LEVEL

- ELECTRICAL SERVICES LEGEND**
- TPN DISTRIBUTION BOARD
 - NVA LIGHTING, STERLING OPAL LED PANEL 600/600 RECESSED LED PANEL
 - NVA WASHINGTON 6-18W LED RECESSED OPAL SHALLOW DOWNLIGHT BAO
 - NVA HARVEST V2 8W LED RECESSED DOWNLIGHT PANEL BAO
 - NVA DENALI 15W LED P86 EYELED ALU BULKHEAD X3 LITHIUM BAO
 - NVA ARINGTON LIFE LED MANT. BLADE EXIT SIGN
 - PN MOVEMENT SENSOR
 - EMERGENCY LIGHTING TEST KEY SWITCH
 - ADDRESSABLE FIRE ALARM SMOKE DETECTOR
 - ADDRESSABLE FIRE ALARM VISUAL ALARM DEVICE WITH SOUNDER
 - FIRE ALARM MANUAL CALL POINT
 - DISABLED TOILET ALARM AUDIO AND VISUAL SOUNDER
 - DISABLED TOILET ALARM FULL CHORD
 - UN-SWITCHED FUSED CONNECTION UNIT
 - SWITCHED FUSED CONNECTION UNIT C/W NEON INDICATOR
 - CLEANERS SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 450mm) OR FITTED IN DADO TRUNKING
 - DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 450mm) OR FITTED IN DADO TRUNKING
 - SINGLE UN-SWITCHED SOCKET FOR APPLIANCES
 - DADO TRUNKING SYSTEM
 - EXTERNAL LOCKABLE ELECTRIC SOCKETS



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Surrey GU1 1EA Tel: 01483 468666
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Website: www.synergyLLP.com
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Client:
The School Governors
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Pre-prep Classrooms
Waste Ventilation and AC

Scale: 1:50 @ A1 / 1:100 @ A3

Date: October 2025

Drawing No: 15721(L)23-17

Drawn: AC

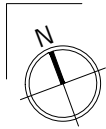
Checked: AC

Rev: A

Rev.	Date	Revision	By
A	24-10-2025	Changes to Internal Layout	AC

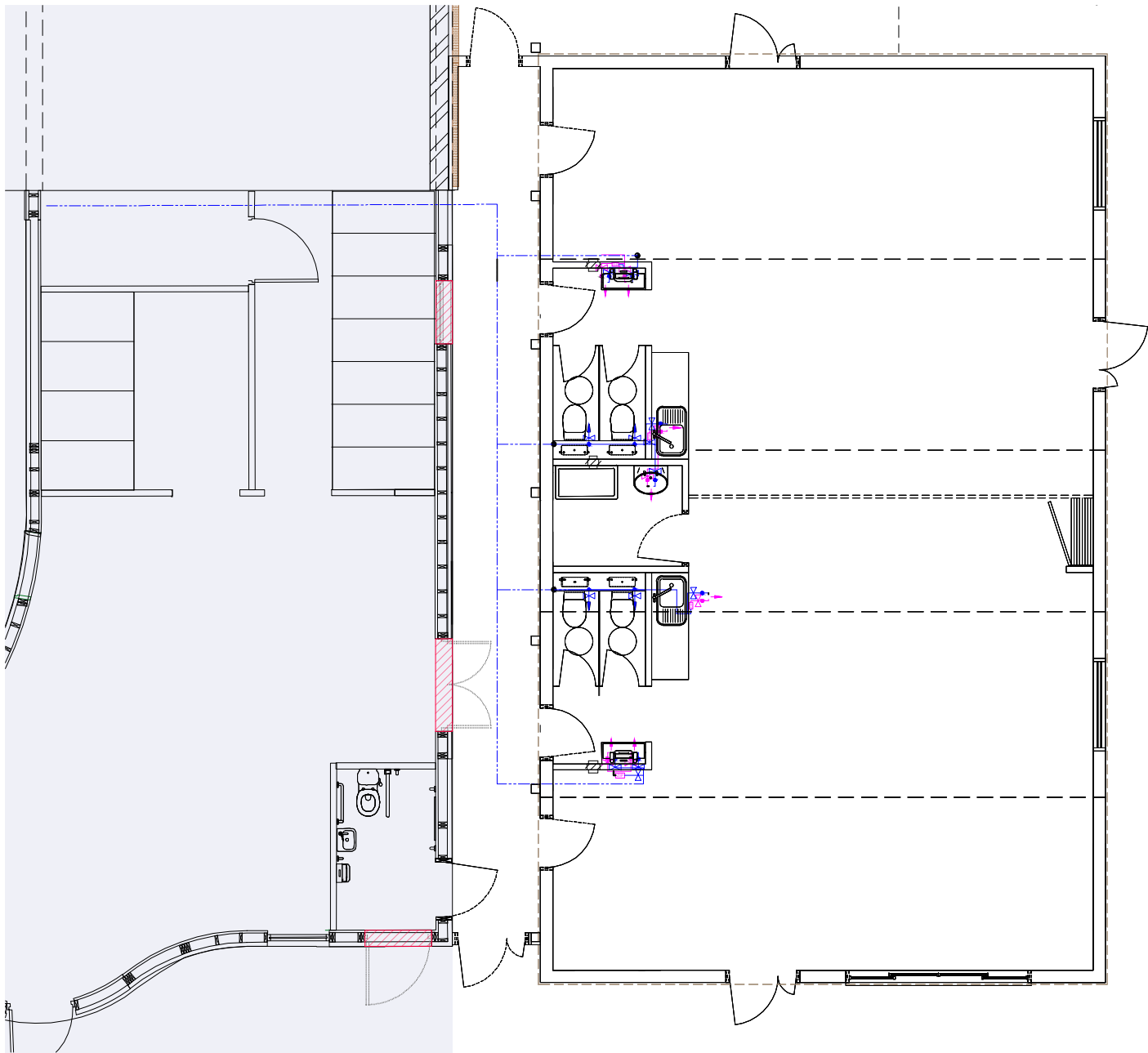
Rev.	Date	Revision	By

Rev.	Date	Revision	By

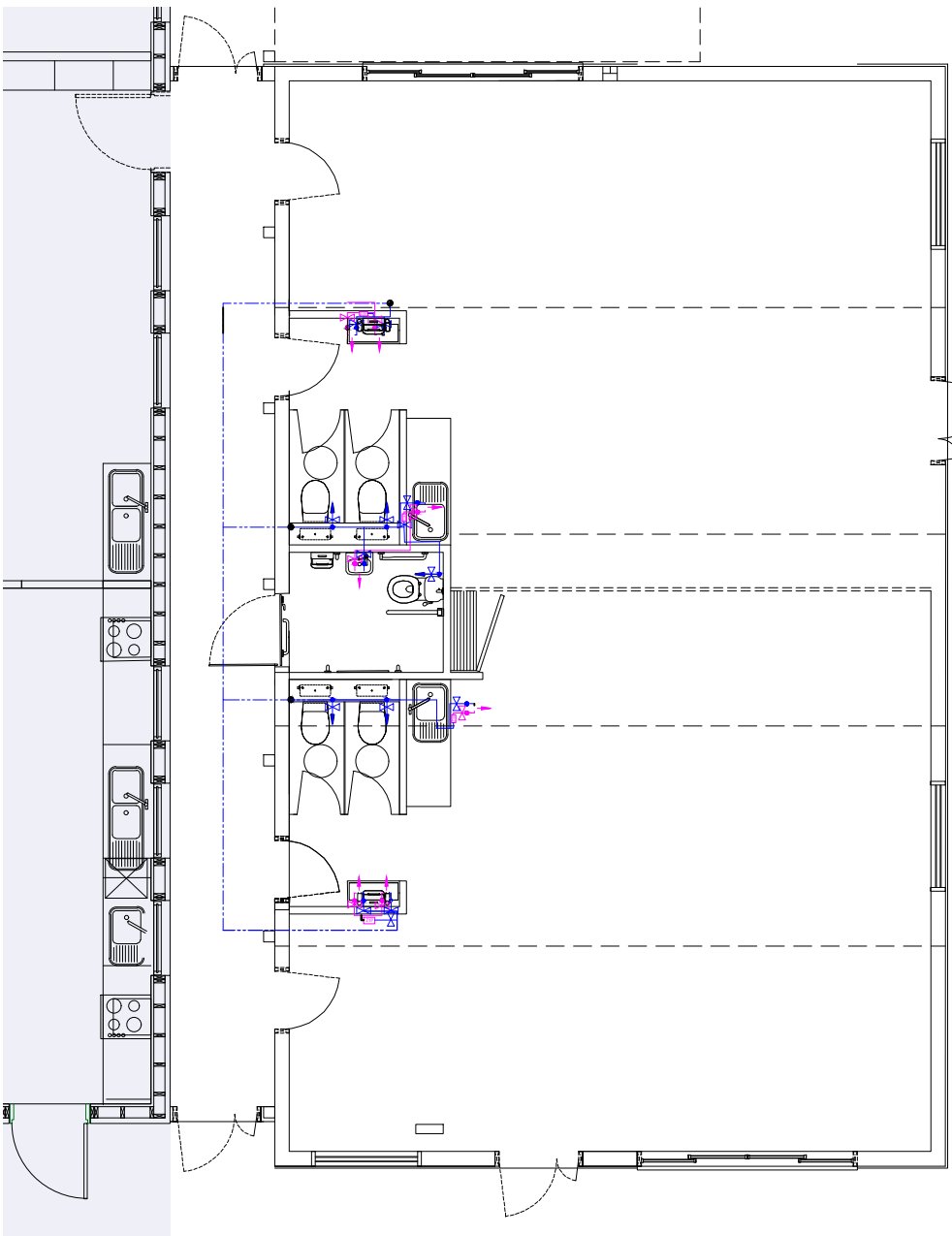


CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

- NOTES :**
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



Proposed Ground Floor Mains Cold Water and Hot Water Distribution



Proposed First Floor Mains Cold Water and Hot Water Distribution

- GENERAL NOTES**
- ALL SERVICES ARE SHOWN INDICATIVE ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BENDS, OFFSETS, FITTINGS, ETC. TO SUIT THE INSTALLATION AND BUILDING CONSTRUCTION AND CO-ORDINATE FINAL ROUTES WITH ALL OTHER TRADES/SERVICES.
 - ALL SERVICES TO BE CO-ORDINATED WITH ALL OTHER NEW SERVICES, STRUCTURE, BUILDING CONSTRUCTION ETC.
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND DRAWINGS.
 - THE CONTRACTOR SHALL LEASE FULLY ON SITE WITH ALL OTHER TRADES TO ENSURE THAT ALL SERVICES CAN BE INSTALLED CORRECTLY.
 - NO SERVICES ARE TO BE INSTALLED PRIOR TO THE PRODUCTION OF FULLY CO-ORDINATED WORKING DRAWINGS BY THE CONTRACTOR.
 - ALL RETAINED SERVICES ARE TO BE VALIDATED PRIOR TO INSTALLATION WORKS.
- DOMESTIC WATER SERVICES NOTES**
- ALL WATER SERVICES INSTALLATIONS TO COMPLY WITH THE WATER REGULATIONS 1999 AND THE LEGIONELLA CODE.
 - ALL WORKS SHALL BE IN ACCORDANCE WITH BS6700 (2009).
 - ALL OUTLETS SHALL BE FITTED C/W A 1/2" TURN COILING VALVE, CRANE HANDLE FULL FLOW OR EQUIVALENT.
 - ALL LIVE CONNECTIONS SHALL BE MADE NO MORE THAN 3M FROM THE OUTLET.
 - NO BLEEDS HWS LBS SHALL EXCEED 300mm.
 - ALL PIPES SHALL BE INSTALLED SUCH THAT IT IS SELF VENTING & INSTALLED C/W AUTOMATIC AIR VENTS WITH MANUAL 1/2" TURN 1/2" AIR VENTS SHALL HAVE CAPS/PLUGS DISCLOSED PRIOR TO CONVEYMENT WASTE PIPES C/W TRAPPED TUNDRAS.
 - DRAIN CODES SHALL BE FITTED AFTER MAIN INCOMING IN & MAIN BRANCHES.
 - THE CONTRACTOR SHALL CO-ORDINATE THE INSTALLATION TO ENSURE MAINTENANCE ACCESS.
 - ALL PIPESWORK TO BE INSULATED, C/W A 1/2" TO BE VAPOUR SEALED.
 - ALL WATER SERVICES PIPESWORK TO BE CORROSION RESISTANT TO BS 1087-8220.
 - ALL NEW HWS WATER PIPESWORK SHALL BE CHLORINATED, SAMPLED & TESTED BY CONTRACTOR EMPLOYED SPECIALIST PRIOR TO HANDOVER/RECEIVAL USE OF ANY AREA.
 - PIPE SIZING THE SANITARY WARE WITHIN THE AREA OF WORKS AND TO BE CONTROLLED VIA THE LOCAL LIGHTING PIP.
 - PROPOSED DOMESTIC WATER PIPESWORK TO BE INSTALLED IN COPPER WARE PIPESWORK CONNECTION ON TO THE EXISTING ABS PIPESWORK SYSTEM.
 - DETAILED FROM RETAINED DOMESTIC WATER SERVICES PIPESWORK TO BE MINIMAL (WITH A MAX LENGTH OF 600mm).
- VENTILATION NOTES**
- ACCESS DOORS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF HANCA TR/18, TABLE 2, IN ADDITION ALL ACCESS DOORS SHALL HAVE ONE DIVISION OF AT LEAST 400mm TO ALLOW ACCESS. ALL ACCESS DOORS SHALL BE FULLY INSULATED, WITH SADDLES ON CIRCULAR DUCTWORK.
 - FLEXIBLE DUCT CONNECTIONS TO DIFFUSERS & GRILLES SHALL NOT EXCEED 0.5M. INSULATED FLEXIBLE DUCT SHALL BE USED ON EXTRACT DUCTWORK.
 - DIFFUSER NECK SIZES ARE SHOWN DIAGRAMMATICALLY ONLY. DIFFUSERS ARE TO BE COMPLETE WITH TRANSFORMATION PLENUM WHERE CONNECTED TO CIRCULAR DUCTWORK. ALL DIFFUSER/GRILLE SIZES AND CONNECTIONS ARE DIAGRAMMATIC ONLY.
 - INSTALLATION SHALL COMPLY WITH HANCA DW 144.
- ABOVE GROUND DRAINAGE NOTES**
- THE DRAINAGE SYSTEM SHALL BE DESIGNED TO ALL CURRENT BRITISH STANDARDS, CODES AND GOOD PRACTICE.
 - ALL SANITARY PIPESWORK SHALL BE IN ACCORDANCE WITH PLUMBING INSTITUTE DESIGN GUIDE, AND CODE OF PRACTICE FOR SANITARY PIPESWORK - BS 5272:1994.
 - MANHOLE TRAPDOORS AND DEPTHS SHALL BE AS FOLLOWS:-
 - A) WBS - 500mm TRAP - 750mm SEAL
 - B) SWS - 400mm TRAP - 750mm SEAL
 - C) MC PAN - 1000mm TRAP 500mm SEAL
 - UNLESS OTHERWISE INDICATED, DRAINAGE PIPE SIZES TO BE:
 - A) WBS - 50mm
 - B) MC - 100mm
 - C) SWS - 40mm
 - AUTOMATIC AIR VENTILATION VALVES (AAV) SHALL BE INSTALLED FULLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. BONDING IN/CONNECTION OF AAVN TO BE ALSO PROVIDED WITH A SUFFICIENT SIZED ACCESS PANEL TO FACILITATE THE FUTURE REMOVAL/REPLACEMENT OF THE AAV.
 - THE SANITARY PIPESWORK INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING REGULATIONS APPROVED DOCUMENT H1 & THE RECOMMENDATIONS OUTLINED IN BS EN 12056: PART 2. THE SANITARY PIPESWORK INSTALLATION SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS & PRINTED INSTRUCTIONS.
 - ACCESS MUST BE PROVIDED AT THE BASE OF ALL VERTICAL SOIL PIPES AT EVERY FLOOR AT ALL BRANCHES & CHANGES OF DIRECTION TO FACILITATE THE CLEANING OF THE SYSTEM & REMOVAL OF BLOCKAGES.
 - ALL HORIZONTAL SOIL & WASTE PIPESWORK TO BE LAD TO A MINIMUM FALL OF 1 IN 40, UNLESS STATED OTHERWISE. HORIZONTAL VENT PIPESWORK MAY BE RUN FLAT & SHOULD GENERALLY BE TIGHT TO THE UNDERSIDE OF THE SOFFIT.
 - SOIL PIPESWORK SHALL BE IN UP TO BS 524. PIPESWORK UP TO AND INCLUDING 500mm TO BE MUPVC. ALL PIPESWORK COLOURED WHITE.
 - ALL SVPS AND STUB STAYS CONNECTED TO WCS SHALL BE 1000mm UNLESS STATED OTHERWISE.
 - WHERE EXPOSED, ALL DRAINAGE PIPESWORK SHALL BE PAINTED WHITE (BY OTHERS).
 - FIRE COLLARS WILL BE PROVIDED TO ALL DRAINAGE PENETRATIONS THROUGH THE SLAB AS REQUIRED BY BUILDING REGULATIONS.
- MECHANICAL SERVICES LEGEND**
- DOMESTIC COLD WATER AT LOW LEVEL
 - DOMESTIC COLD WATER WITHIN CEILING VOID
 - DOMESTIC HOT WATER FAN AT LOW LEVEL
 - DOMESTIC HOT WATER FAN WITHIN CEILING VOID
 - DRAINAGE PIPESWORK AT LOW LEVEL
 - DRAINAGE PIPESWORK BELOW FLOOR LEVEL
 - LOCATION OF SANITARY APPLIANCE SERVED BY HWS & CWS C/W TWIN
 - LOCATION OF SANITARY APPLIANCE SERVED BY CWS
 - PIPESWORK DROP / RISE
 - 1/2" HWS ROOM THERMOSTAT / CONTROLLER C/W TAMPER-PROOF SECURE ENCLOSURE
 - #100mm SWELON VC EXTRACT DISC VALVE C/W TAMPER-PROOF SCREW-LOCKING
 - CIRCULAR EXTRACT DUCTWORK
 - RECTANGULAR EXTRACT DUCTWORK
 - ABOVE GROUND DRAINAGE SOIL VENT PIPE
 - VOLUME CONTROL DAMPER
 - FIRE DAMPER
 - THERMOSTATIC MIXING VALVE
 - IN-LINE EXTRACTOR FAN
- KEY**
- RE - ROOFING EYE
 - SS - SUB-STOCK
 - SWP - SOIL VENT PIPE
 - AC - AIR COMFORTING
 - HP - HEATER PANEL
 - FR - UNDER COUNTER FRIDGE
 - (L) - LOW LEVEL
- DATA KEY**
- DOUBLE DATA POINT AT LOW LEVEL WITH IN TRUNKING
 - DOUBLE DATA POINT AT HIGH LEVEL
 - CCTV CAMERA (to be supplied by others)
 - WIRELESS ACCESS POINT (to be supplied by others)
 - MULTIMEDIA CONNECTION
 - DATA CABINET
 - CCTV CAMERA (to be supplied by others)
 - NEW OM4 FIBRE OPTIC 8 CORE CABLE
 - LINK TO FIRE ALARM PANEL (Panel located in Cooper Building)
 - 15mm BLENDER
 - MAXIMUM LENGTH 300mm
 - THERMOSTATIC MIXING VALVE
 - DETAIL FOR THERMOSTATIC MIXING VALVE ARRANGEMENT
- ELECTRICAL SERVICES LEGEND**
- TYPICAL DISTRIBUTION BOARD
 - NVA LIGHTING, STERLING OPAL LED PANEL 6000600 RECESSED LED PANEL
 - NVA WASHINGTON 6-18W LED RECESSED OPAL SHALLOW DOWNLIGHT BAO
 - NVA HARVEST V2 8W LED RECESSED DOWNLIGHT PANEL BAO
 - NVA DENALI 15W LED P86 EYELED ALU BULKHEAD X3 LITHIUM BAO
 - NVA ARINGTON LIFE LED MANT. BLADE EXT SIGN
 - PN MOVEMENT SENSOR
 - EMERGENCY LIGHTING TEST KEY SWITCH
 - ADDRESSABLE FIRE ALARM SMOKE DETECTOR
 - ADDRESSABLE FIRE ALARM VISUAL ALARM DEVICE WITH SOUNDER
 - FIRE ALARM MANUAL CALL POINT
 - DISABLED TOILET ALARM AUDIO AND VISUAL SOUNDER
 - DISABLED TOILET ALARM FULL CHORD
 - UN-SWITCHED FUSED CONNECTION UNIT
 - SWITCHED FUSED CONNECTION UNIT C/W NEON INDICATOR
 - CLEANERS SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 450mm)
 - DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 450mm) OR FITTED IN DADO TRUNKING
 - DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED 150mm ABOVE WORK TOP
 - SINGLE UN-SWITCHED SOCKET FOR APPLIANCES
 - DADO TRUNKING SYSTEM
 - EXTERNAL LOCKABLE ELECTRIC SOCKETS

TENDER

Scale 1:50
m 0 1 2 3 4 5



8/9 Faraday Road, Guildford
Surrey GU1 1EA Tel: 01483 468666
Email: guildford@synergyLLP.com
Website: www.synergyLLP.com
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Client:
The School Governors

Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Pre-prep Classrooms
Proposed Mains Cold Water
and Hot Water Distribution

Scale: 1:50 @ A1 / 1:100 @ A3

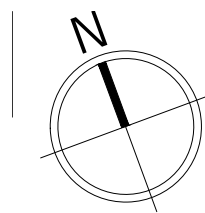
Date: October 2025
Drawing No: 15721(L)23-18
Checked: AC
Rev: A

Drawn: AC

Rev.	Date	Revision	By
A	23/10/25	Change of Classroom Layout	AC

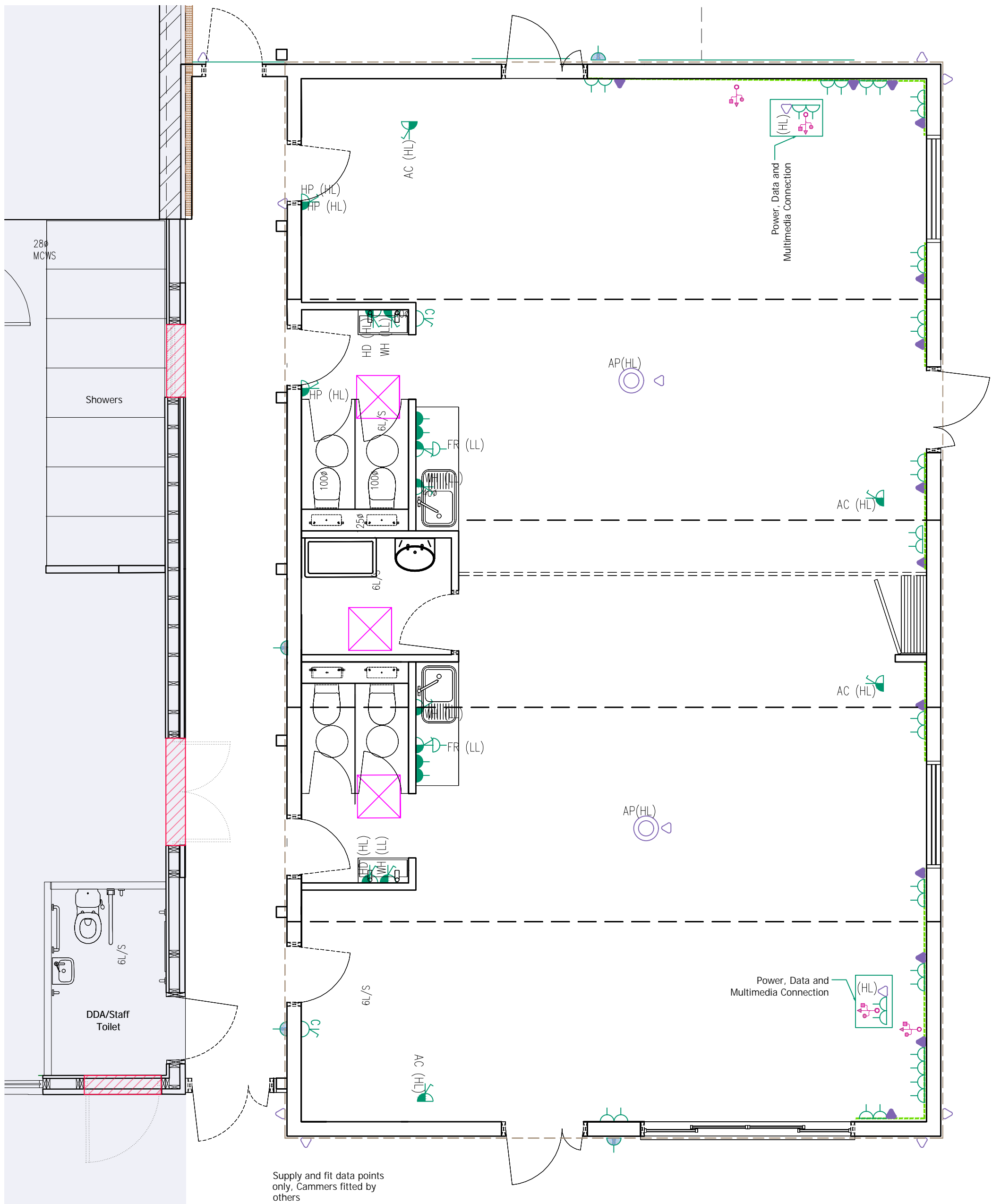
Rev.	Date	Revision	By

Rev.	Date	Revision	By

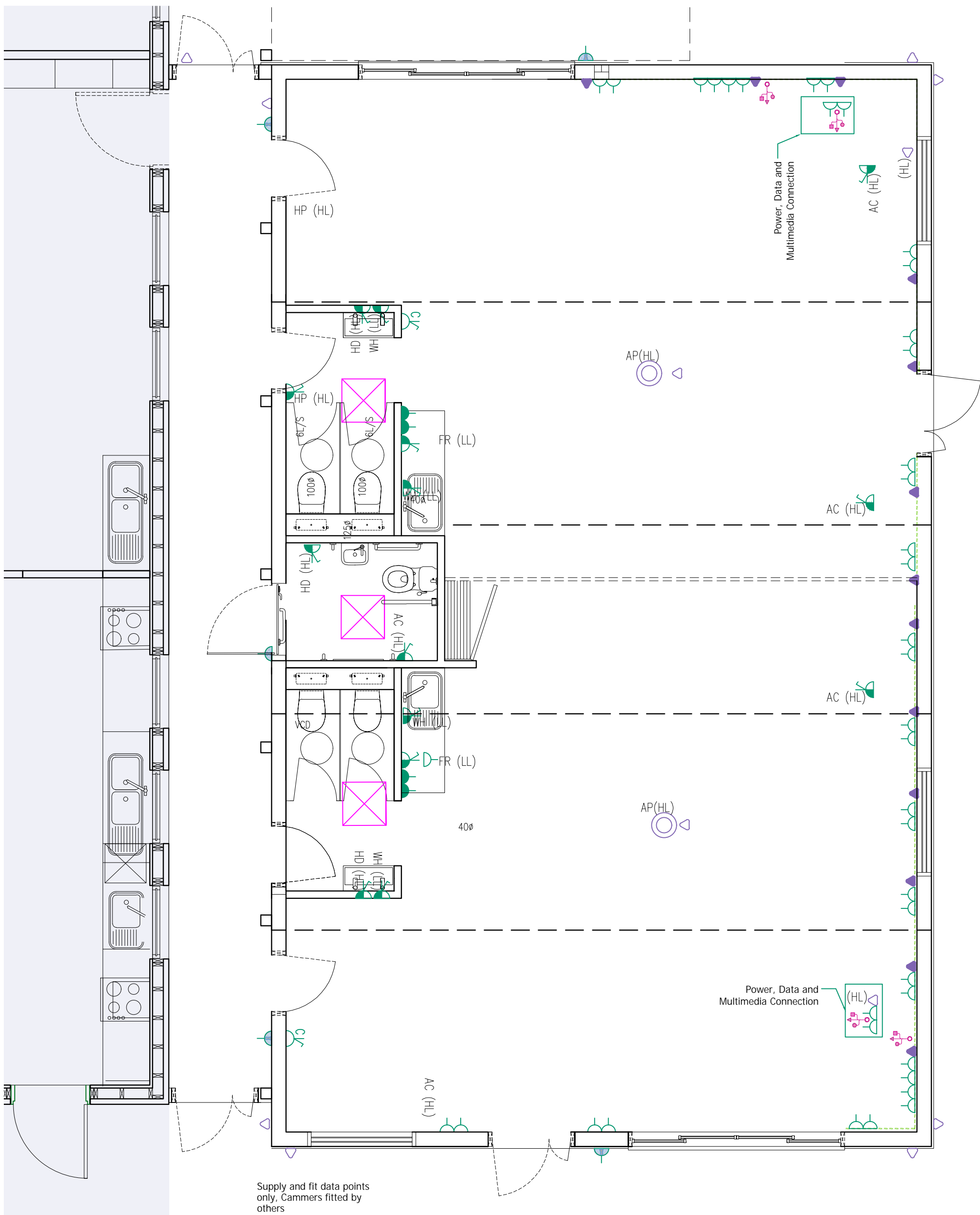


CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

- NOTES :**
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



Proposed Ground Floor Small Power, Data and Electric Heating panels



Proposed First Floor Small Power, Data and Electric Heating panels

GENERAL NOTES

1. ALL SERVICES ARE SHOWN INDICATIVE ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BENDS, OFFSETS, FITTINGS, ETC. TO SUIT THE INSTALLATION AND BUILDING CONSTRUCTION AND CO-ORDINATE FINAL ROUTES WITH ALL OTHER TRADES/SERVICES.
2. ALL SERVICES TO BE CO-ORDINATED WITH ALL OTHER NEW SERVICES, STRUCTURE, BUILDING CONSTRUCTION ETC.
3. THIS DRAWING IS TO BE SHOWN ON THE WORKING DRAWINGS AND AS BUILT DRAWINGS.
4. THE CONTRACTOR SHALL LAISE FULLY ON SITE WITH ALL OTHER TRADES TO ENSURE THAT ALL SERVICES CAN BE INSTALLED CORRECTLY.
5. NO SERVICES ARE TO BE INSTALLED PRIOR TO THE PRODUCTION OF FULLY CO-ORDINATED WORKING DRAWINGS BY THE CONTRACTOR.
6. ALL RETAINED SERVICES ARE TO BE VALIDATED PRIOR TO INSTALLATION WORKS.

DOMESTIC WATER SERVICES NOTES

1. ALL WATER SERVICES INSTALLATIONS TO COMPLY WITH THE WATER REGULATIONS 1999 AND THE LEGIONELLA CODE.
2. ALL WORKS SHALL BE IN ACCORDANCE WITH BS6700 (2000).
3. ALL OUTLETS SHALL BE FITTED C/W A THERMOLAG VALVE, CRANE HANDLE FULL FLOW OR EQUIVALENT.
4. ALL HWC CONNECTIONS SHALL BE MADE NO MORE THAN 3M FROM THE OUTLET.
5. NO BLENDING VALVES SHALL EXCEED 300mm.
6. ALL PPW/WR SHALL BE INSTALLED SUCH THAT IT IS SELF VENTING & INSTALLED C/W AUTOMATIC AIR VENTS WITH MANUAL & TURN N/VS AIR VENTS SHALL HAVE CUPULARY DISCHARGE PPW/WR RUN TO CONVENIENT WASTE PPW/WR C/W TRAPPED TUNDRER.
7. DRAIN COOPS SHALL BE FITTED AFTER MAIN INCOMING IN A MAIN BRANCHES.
8. THE CONTRACTOR SHALL CO-ORDINATE THE INSTALLATION TO DESIRE MAINTENANCE ACCESS.
9. ALL PPW/WR TO BE INSULATED, CWS & HWS TO BE VAPOUR SEALED.
10. ALL WATER SERVICES PPW/WR TO BE COPPER TO BS EN 1057-1/250.
11. ALL NEW HWC WATER PPW/WR SHALL BE CHROMIUM, SAMPLED & TESTED BY CONTRACTORS EMPLOYED SPECIALIST PRIOR TO HANDOVER/DEFECTS. USE OF ANY AREA. TEST RESULTS SHALL BE ISSUED TO C.A. AT HANDOVER/BENEFICIAL USE OF ANY AREA.
12. SOLIDNO VALVES TO BE INSTALLED ON TO THE HOT AND COLD WATER PIPE SERVING THE SANITARY WARE WITHIN THE AREA OF WORKS AND TO BE CONTROLLED VIA THE LOCAL LIGHTING FR.
13. PREPARED DOMESTIC WATER PPW/WR TO BE INSTALLED IN COPPER WAREPPW/WR CONNECTION ON TO THE EXISTING ABS PPW/WR SYSTEM.
14. DEADLETS FROM RETAINED DOMESTIC WATER SERVICES PPW/WR TO BE MINIMAL (WITH A MAX LENGTH OF 60mm).

VENTILATION NOTES

1. ACCESS DOORS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF HVAC TR/19, TABLE 2. IN ADDITION ALL ACCESS DOORS SHALL HAVE ONE DIMENSION OF AT LEAST 400mm TO ALLOW ACCESS. ALL ACCESS DOORS SHALL BE FULLY INSULATED, WITH SADDLES ON CIRCULAR DUCTWORK.
2. FLEXIBLE DUCT CONNECTIONS TO DIFFUSERS & GRILLES SHALL NOT EXCEED 0.5M. INSULATED FLEXIBLE DUCT SHALL BE USED ON EXTRACT DUCTWORK.
3. DIFFUSER NECK SIZES ARE SHOWN DIAGRAMMATICALLY ONLY. DIFFUSERS ARE TO BE COMPLETE WITH TRANSFORMATION PLENUM WHERE CONNECTED TO CIRCULAR DUCTWORK. ALL DIFFUSER/GRILLE SIZES AND CONNECTIONS ARE DIAGRAMMATIC ONLY.
4. INSTALLATION SHALL COMPLY WITH HVAC DW 144.

ABOVE GROUND DRAINAGE NOTES

1. THE DRAINAGE SYSTEM SHALL BE DESIGNED TO ALL CURRENT BRITISH STANDARDS, CODES, GUIDES AND GOOD PRACTICE.
2. ALL SANITARY PPW/WR SHALL BE IN ACCORDANCE WITH PLUMBING INSTITUTE DESIGN GUIDE, AND CODE OF PRACTICE FOR SANITARY PPW/WR - BS 5722:1994.
3. MINIMUM TRAP SIZES AND DEPTHS SHALL BE AS FOLLOWS:-
 - A) WBS - 32mm TRAP - 75mm SEAL
 - B) SWS - 40mm TRAP - 75mm SEAL
 - C) W/FAN - 100mm TRAP 50mm SEAL
4. UNLESS OTHERWISE INDICATED, BRANCH PIPE SIZES TO BE:
 - A) WBS - 32mm
 - B) W/F - 100mm
 - C) SWK - 40mm
5. AUTOMATIC AIR ADMITTANCE VALVES (AAV) SHALL BE INSTALLED FULLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS, BEING IN CONCEALMENT OF AAVS TO BE ALSO PROVIDED WITH A SUITABLY SIZED ACCESS PANEL TO FACILITATE THE FUTURE REMOVAL/REPLACEMENT OF THE AAV.
6. THE SANITARY PPW/WR INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING REGULATIONS APPROVED DOCUMENT H1 & THE RECOMMENDATIONS OUTLINED IN BS EN 12056, PART 2. THE SANITARY PPW/WR INSTALLATION SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS & PRINTED INSTRUCTIONS.
7. ACCESS MUST BE PROVIDED AT THE BASE OF ALL VERTICAL SOIL STACKS, AT EVERY FLOOR, AT ALL BRANCHES & CHANGES OF DIRECTION TO FACILITATE THE CLEANING OF THE SYSTEM & REMOVAL OF BLOCKAGES.
8. ALL HORIZONTAL SOIL & WASTE PPW/WR TO BE LEAD TO A MINIMUM FALL OF 1 IN 40, UNLESS STATED OTHERWISE. HORIZONTAL SOIL PPW/WR MAY BE RUN FLAT & SHOULD GENERALLY BE TIGHT TO THE UNDERSIDE OF THE SOFFIT.
9. SOIL PPW/WR SHALL BE IN UPVC TO BS 6594, PPW/WR UP TO AND INCLUDING 50mm TO BE MUPVC ALL PPW/WR COLOURED WHITE.
10. ALL SWP AND STUB STACKS CONNECTED TO MCS SHALL BE 100mm UNLESS STATED OTHERWISE.
11. WHERE EXPOSED, ALL DRAINAGE PPW/WR SHALL BE PAINTED WHITE (BY OTHERS).
12. FIRE COLLARS WILL BE PROVIDED TO ALL DRAINAGE PENETRATIONS THROUGH THE SLAB AS REQUIRED BY BUILDING REGULATIONS.

ELECTRICAL NOTES

1. ELECTRICAL INSTALLATION TO FULLY COMPLY WITH BS7671:2018 AMENDMENT 2.
2. ALL CABLE ROUTES ARE INDICATIVE ONLY.
3. ALL ACCESSORIES TO BE AT LEAST 350mm FROM CORNERS TO ALLOW FOR DECORATING AND COMPLIANCE WITH PART M OF THE BUILDING REGULATIONS.
4. ALL FINAL CONTAINMENT FROM THE MAIN CONTAINMENT RUNS SHALL BE SHOWN ON THE WORKING DRAWINGS AND AS BUILT DRAWINGS.
5. CONTRACTOR SHALL RETAINED EXISTING CONTAINMENT FOR USE WITH PROPOSED SERVICES SUBJECT TO THE CONDITION FOLLOWING THE STRIP-OUT WORKS.

FIRE-RATED SERVICES NOTES

1. ALL NEW MECHANICAL, ELECTRICAL AND DATA SERVICES SHALL BE FIRE RATED/FIRE STOPPED IN ACCORDANCE WITH THE RELEVANT ARCHITECTS FIRE STRATEGY PLAN.
2. THE CONTRACTOR SHALL INSTALL FIRE SLEEVES, FIRE COLLARS AND DAMPERS TO MATCH THE ARCHITECTS SPECIFIED FIRE RATING.
3. ALL CONTAINMENT BREACHES THROUGH FIRE COMPARTMENTS SHALL BE SUITABLY TREATED TO MAINTAIN THE INTEGRITY OF THE FIRE COMPARTMENT WALL. SEE THE FIRE STRATEGY DRAWING FOR INFORMATION ON FIRE COMPARTMENTS.
4. FIRE ALARM INSTALLATION TO COMPLY FULLY WITH BS5839 PT 1 : 2017

LIGHTING NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE M&E SERVICES SPECIFICATION DOCUMENTATION, ARCHITECTURAL & STRUCTURAL DRAWINGS AND SPECIALIST SPECIFICATIONS & DRAWINGS.
2. LIGHTING INSTALLATIONS TO COMPLY WITH THE OSE CODE FOR INTERIOR LIGHTING.
3. EMERGENCY LIGHTING TO COMPLY FULLY WITH BS5266:2016.
4. ALL ACCESSORY/EQUIPMENT POSITIONS ARE INDICATIVE ONLY. THE CONTRACTOR IS TO OBTAIN APPROVAL FROM THE ARCHITECT FOR ALL BEHALD LAYOUTS PRIOR TO THE INSTALLATION. THE CONTRACTOR SHALL PRODUCE DETAILED COORDINATION DRAWINGS THAT WILL SHOW INSTALLED POSITIONS OF EQUIPMENT.
5. REFER TO LUMINAIRE LEGEND FOR LUMINAIRE TYPES.
6. THE CONTRACTOR SHALL LAISE WITH THE CEILING INSTALLER TO ENSURE APERTURES TO BE CUT ARE IN THE CORRECT POSITION AND THAT ANY ADDITIONAL EXPOSED T/PECES AND SUPPORTS REQUIRED ARE PROVIDED WHERE NECESSARY.
7. MOUNTING HEIGHTS OF ALL SUSPENDED LUMINAIRES TO BE DISCUSSED AND AGREED PRIOR TO DESIGN.
8. CABLES RUN IN PARTITION WALLS & CEILING VOIDS ARE TO COMPLY WITH REGULATIONS 522-06-05 & 522-06-06 OF BS6701.
9. ALL LUMINAIRES TO BE COMPLETE WITH LAMPS, IF CONTROL GEAR, MOUNTING ACCESSORIES AND ALL OTHER EQUIPMENT FOR A COMPLETE WORKING INSTALLATION.
10. EXACT QUANTITIES & LOCATIONS OF PRESENCE DETECTORS TO BE DETERMINED BY CONTRACTOR. EXACT DETAILS WILL DEPEND ON CHOSEN MANUFACTURER.

MECHANICAL SERVICES LEGEND

- DOMESTIC COLD WATER AT LOW LEVEL
- DOMESTIC COLD WATER WITHIN CEILING VOID
- DOMESTIC HOT WATER FAR AT LOW LEVEL
- DOMESTIC HOT WATER FAR WITHIN CEILING VOID
- DRAINAGE PPW/WR AT LOW LEVEL
- DRAINAGE PPW/WR BELOW FLOOR LEVEL
- LOCATION OF SANITARY APPLIANCE SERVED BY HWS & CWS C/W TWIN
- PPW/WR DROP / RISE
- LITHIUM ROOM THERMOSTAT / CONTROLLER C/W TAMPER-PROOF SECURE ENCLOSURE
- 100mm SWEDEN VCC EXTRACT DISC VALVE C/W TAMPER-PROOF SCREW-LOCKING
- CIRCULAR EXTRACT DUCTWORK
- RECTANGULAR EXTRACT DUCTWORK
- ABOVE GROUND DRAINAGE SOIL VENT PIPE
- VOLUME CONTROL DAMPER
- FIRE DAMPER
- THERMOSTATIC MIXING VALVE
- NINE EXTRACTOR FAN

DATA KEY

- DOUBLE DATA POINT AT LOW LEVEL/WITHIN TRUNKING
- DOUBLE DATA POINT AT HIGH LEVEL
- CCTV CAMERA (to be supplied by others)
- WIRELESS ACCESS POINT (to be supplied by others)
- MULTIMEDIA CONNECTION
- DATA CABINET
- CCTV CAMERA (to be supplied by others)

KEY

- RE - RISING EYE
- SS - SUB-STOCK
- SWP - SOIL VENT PIPE
- AC - AIR CONDITIONING
- HP - HEATER PANEL
- HD - HAND DRYER
- FR - UNDER COUNTER FRIDGE
- (HL) - HIGH LEVEL
- (LL) - LOW LEVEL

UTILITIES KEY

- NEW OM4 FIBRE OPTIC & CORE CABLE
- SUB MAIN ELECTRICAL CABLE
- LOW TO FIVE ALARM PANEL (Panel Located in Cooper Building)
- 15mm BLENDED WATER
- MAXIMUM LENGTH 300mm
- THERMOSTATIC MIXING VALVE

ELECTRICAL SERVICES LEGEND

- TPN DISTRIBUTION BOARD
- NVA LIGHTING, STERLING OPAL LED PANEL 600X600 RECESSED LED PANEL
- NVA WASHINGTON 6-18W LED RECESSED OPAL SHALLOW DOWNLIGHT BAO
- NVA HARVEST V2 8W LED RECESSED DOWNLIGHT PANEL BAO
- NVA DENALI 15W LED IP65 EYELED ALU BULKHEAD M3 LITHIUM BAO
- NVA ARLINGTON LIFE LED MAINT. BLADE EXT SIGN
- DENOTES EMERGENCY VERSION
- PIR MOVEMENT SENSOR
- EMERGENCY LIGHTING TEST KEY SWITCH
- ADDRESSABLE FIRE ALARM SMOKE DETECTOR
- ADDRESSABLE FIRE ALARM VISUAL ALARM DEVICE WITH SOUNDER
- FIRE ALARM MANUAL CALL POINT
- DISABLED TOILET ALARM AUDIO AND VISUAL SOUNDER
- DISABLED TOILET ALARM PULL CHORD
- UN-SWITCHED FUSED CONNECTION UNIT
- SWITCHED FUSED CONNECTION UNIT C/W NEON INDICATOR
- CLEANERS SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 400mm)
- DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 400mm) OR FITTED IN DADO TRUNKING
- DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED 1500mm ABOVE WORK TOP
- SINGLE UN-SWITCHED SOCKET FOR APPLIANCES
- DADO TRUNKING SYSTEM
- EXTERNAL LOCKABLE ELECTRIC SOCKETS

TENDER

Scale 1:50
m 0 1 2 3 4 5



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Surrey GU1 1EA Tel: 01483 468666
Email: guildford@synergyLLP.com
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Client:
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Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Pre-prep Classrooms
Proposed Data Electrics and Elec/
Heater Panel Distribution

Scale: 1:50 @ A1 / 1:100 @ A3

Date: October 2025

Drawing No: 15721(L)23-19

Drawn: AC

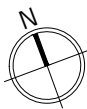
Checked: AC

Rev: A

Rev. Date Revision By
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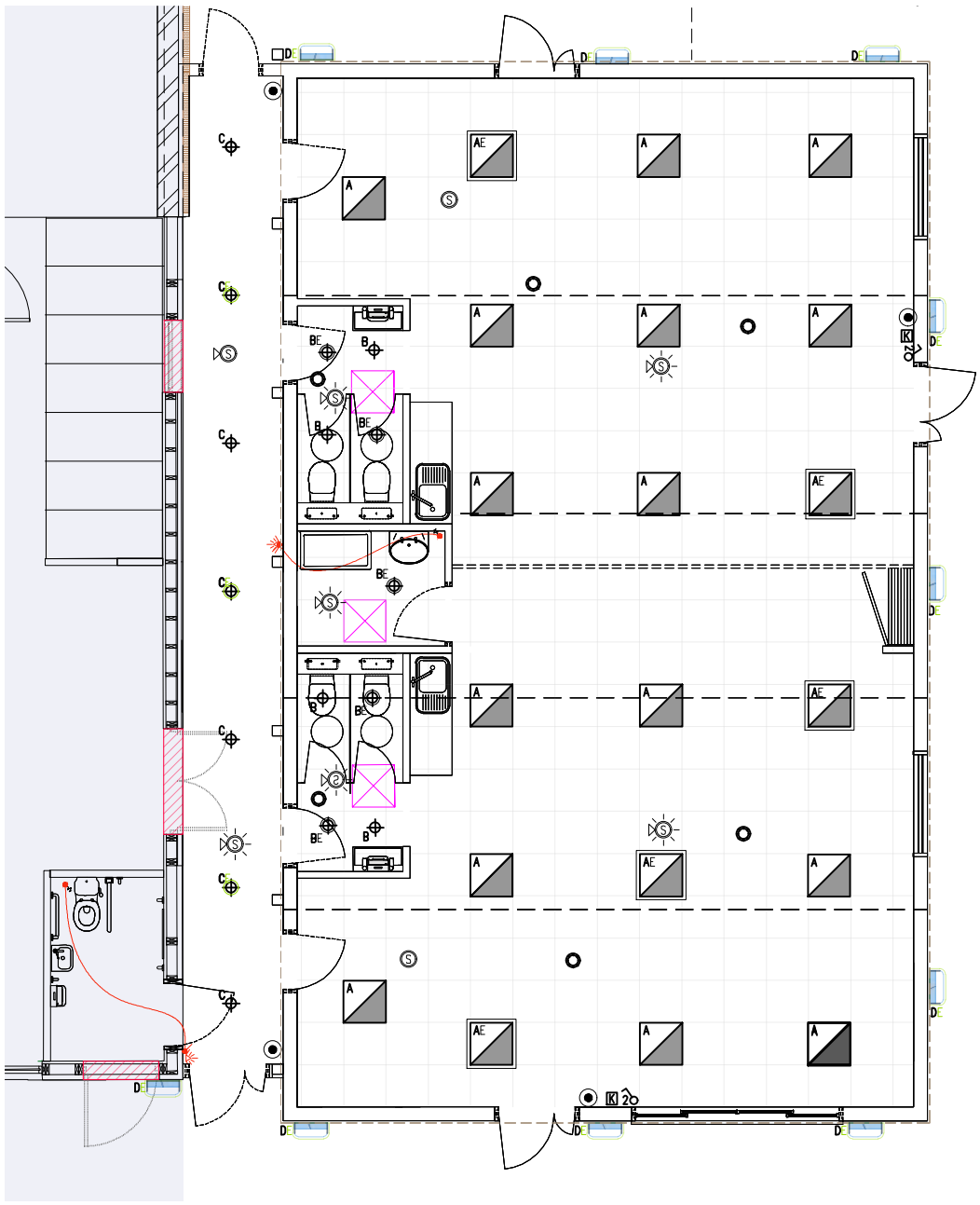
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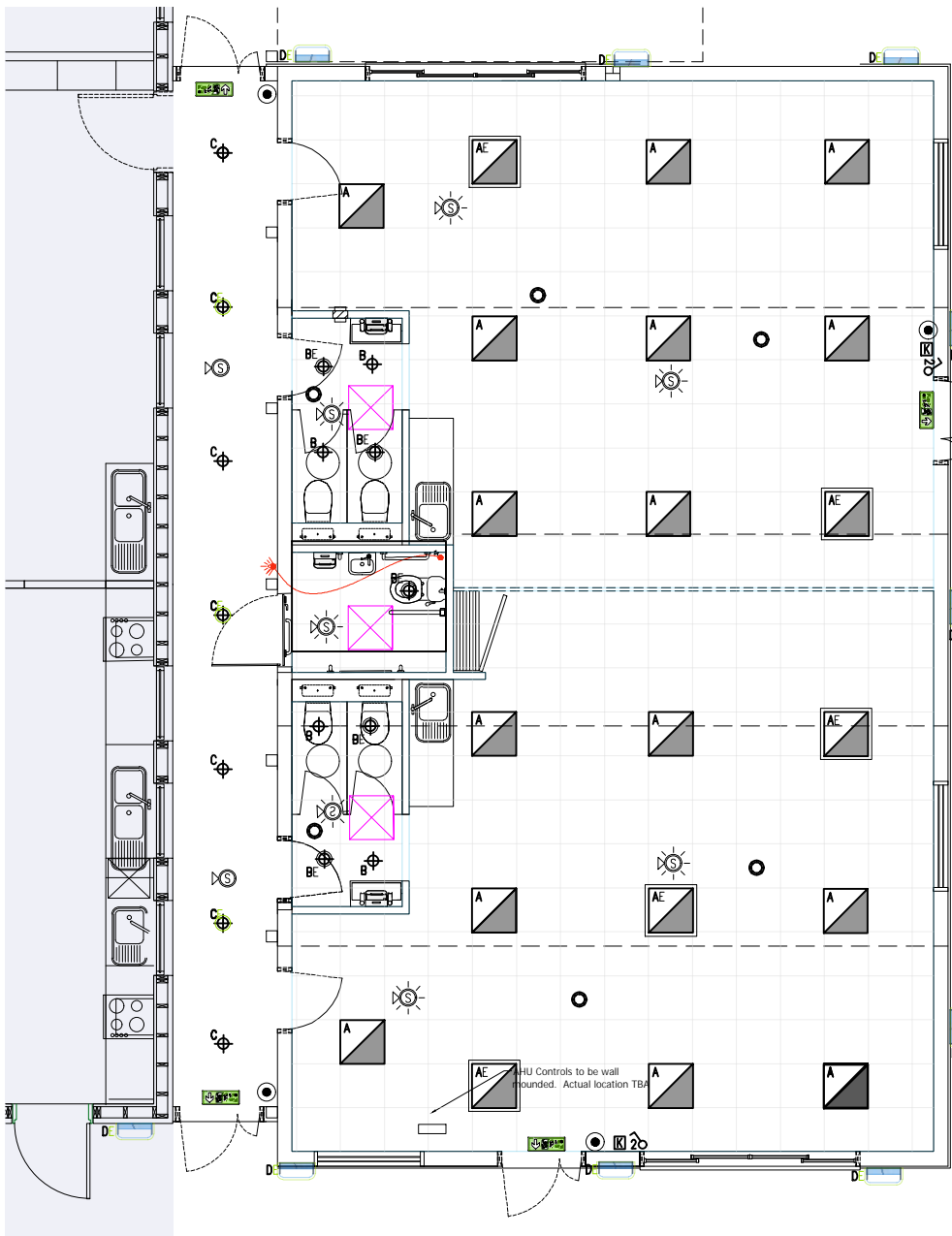


CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.

- NOTES :**
- All dimensions are approximate and must be checked on site before any works commence.
 - All discrepancies are to be reported to the CA before works proceed.
 - Only figured dimensions are to be used.



Proposed Ground Floor Reflected Ceiling, Lighting and Fire Plan



Proposed First Floor Reflected Ceiling, Lighting and Fire Plan

- GENERAL NOTES**
- ALL SERVICES ARE SHOWN INDICATIVE ONLY. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BONDS, OFFSETS, FITTINGS, ETC. TO SUIT THE INSTALLATION AND BUILDING CONSTRUCTION AND CO-ORDINATE FINAL ROUTES WITH ALL OTHER TRADES/SERVICES.
 - ALL SERVICES TO BE CO-ORDINATED WITH ALL OTHER SERVICES, STRUCTURE, BUILDING CONSTRUCTION ETC. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION AND DRAWINGS.
 - THE CONTRACTOR SHALL LEASE FULLY ON SITE WITH ALL OTHER TRADES TO ENSURE THAT ALL SERVICES CAN BE INSTALLED CORRECTLY.
 - NO SERVICES ARE TO BE INSTALLED PRIOR TO THE PRODUCTION OF FULLY CO-ORDINATED WORKING DRAWINGS BY THE CONTRACTOR.
 - ALL RETAINED SERVICES ARE TO BE VALUATED PRIOR TO INSTALLATION WORKS.
- DOMESTIC WATER SERVICES NOTES**
- ALL WATER SERVICES INSTALLATIONS TO COMPLY WITH THE WATER REGULATIONS 1999 AND THE LEGIONELLA CODE.
 - ALL WORKS SHALL BE IN ACCORDANCE WITH BS6700 (2009).
 - ALL OUTLETS SHALL BE FITTED C/W A 1/2" TURN COILING VALVE, CRANE HANDLE FULL FLOW OR EQUIVALENT.
 - ALL LIVE CONNECTIONS SHALL BE MADE NO MORE THAN 3M FROM THE OUTLET.
 - NO BLEEDS HWS LBS SHALL EXCEED 300mm.
 - ALL PIPework SHALL BE INSTALLED SUCH THAT IT IS SELF VENTING & INSTALLED C/W AUTOMATIC AIR VENTS WITH MANUAL 1/2" TURN 1/2" AIR VENTS SHALL HAVE CAPS/PLUGS DISCLOSED PRIOR TO CONVENIENT WASTE PIPework C/W TRAPPED TUNNEL.
 - DRAIN CODES SHALL BE FITTED AFTER MAIN INCOMING & MAIN BRANCHES.
 - THE CONTRACTOR SHALL CO-ORDINATE THE INSTALLATION TO ENSURE MAINTENANCE ACCESS.
 - ALL PIPework TO BE INSULATED, C/W A 1/2" TO BE VAPOUR SEALED.
 - ALL WATER SERVICES PIPework TO BE CORROSION RESISTANT TO BS EN 1027-4250.
 - ALL NEW HWS WATER PIPework SHALL BE CHLORINATED, SAMPLED & TESTED BY CONTRACTOR EMPLOYED SPECIALIST PRIOR TO HANDOVER/INITIAL USE OF ANY AREA. TEST RESULTS SHALL BE ISSUED TO C.A. AT HANDOVER/RECEIVAL USE OF ANY AREA.
 - SOLVED VALVES TO BE INSTALLED ON TO THE HOT AND COLD WATER PIPE SERVING THE SANITARY WARE WITHIN THE AREA OF WORKS AND TO BE CONTROLLED VIA THE LOCAL LIGHTING PIP.
 - PROPOSED DOMESTIC WATER PIPework TO BE INSTALLED IN COPPER WAREPSS PIPework CONNECTION ON TO THE EXISTING ABS PIPework SYSTEM.
 - DEADLENS FROM RETAINED DOMESTIC WATER SERVICES PIPework TO BE MINIMAL (WITH A MAX LENGTH OF 600mm).
- VENTILATION NOTES**
- ACCESS DOORS SHALL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF HACA TR/18, TABLE 2, IN ADDITION ALL ACCESS DOORS SHALL HAVE ONE DIVISION OF AT LEAST 400mm TO ALLOW ACCESS. ALL ACCESS DOORS SHALL BE FULLY INSULATED, WITH SADDLES ON CIRCULAR DUCTWORK.
 - FLEXIBLE DUCT CONNECTIONS TO DIFFUSERS & GRILLES SHALL NOT EXCEED 0.3m. INSULATED FLEXIBLE DUCT SHALL BE USED ON EXTRACT DUCTWORK.
 - DIFFUSER NECK SIZES ARE SHOWN DIAGRAMMATICALLY ONLY. DIFFUSERS ARE TO BE COMPLETE WITH TRANSFORMATION PLENUM WHERE CONNECTED TO CIRCULAR DUCTWORK. ALL DIFFUSER/GRILLE SIZES AND CONNECTIONS ARE DIAGRAMMATIC ONLY.
 - INSTALLATION SHALL COMPLY WITH HACA DW 144.
- ABOVE GROUND DRAINAGE NOTES**
- THE DRAINAGE SYSTEM SHALL BE DESIGNED TO ALL CURRENT BRITISH STANDARDS, GIVE GUIDES AND GOOD PRACTICE.
 - ALL SANITARY PIPework SHALL BE IN ACCORDANCE WITH PLUMBING INSTITUTE DESIGN GUIDE, AND CODE OF PRACTICE FOR SANITARY PIPework - BS 5270:1994.
 - MANHOLE TRAP SIZES AND DEPTHS SHALL BE AS FOLLOWS:-
 - A) WBS - 100mm TRAP - 75mm SEAL
 - B) SWS - 40mm TRAP - 75mm SEAL
 - C) WBS - 100mm TRAP 50mm SEAL
 - D) WBS - 100mm TRAP 50mm SEAL
 - UNLESS OTHERWISE INDICATED, DRAINAGE PIPE SIZES TO BE:
 - A) WBS - 100mm
 - B) WBS - 100mm
 - C) SWS - 40mm
 - AUTOMATIC AIR ADJUSTMENT VALVES (AAV) SHALL BE INSTALLED FULLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. BEING IN/CONJUNCTION OF AAVM TO BE ALSO PROVIDED WITH A STAINLESS STEEL ACCESS PANEL TO FACILITATE THE FUTURE REMOVAL/REPLACEMENT OF THE AAV.
 - THE SANITARY PIPework INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE BUILDING REGULATIONS APPROVED DOCUMENT H & THE RECOMMENDATIONS OUTLINED IN BS EN 12056: PART 2. THE SANITARY PIPework INSTALLATION SHALL BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS & PRINTED INSTRUCTIONS.
 - ACCESS MUST BE PROVIDED AT THE BASE OF ALL VERTICAL SOIL STACKS, AT EVERY FLOOR, AT ALL BRANCHES & CHANGES OF DIRECTION TO FACILITATE THE CLEANING OF THE SYSTEM & REMOVAL OF BLOCKAGES.
 - ALL HORIZONTAL SOIL & WASTE PIPework TO BE LAD TO A MINIMUM FALL OF 1 IN 40, UNLESS STATED OTHERWISE. HORIZONTAL VENT PIPework MAY BE RUN FLAT & SHOULD GENERALLY BE TIGHT TO THE UNDERSIDE OF THE SOFFIT.
 - SOIL PIPework SHALL BE IN UPVC TO BS 5242. PIPework UP TO AND INCLUDING 500mm TO BE MUPVC. ALL PIPework COLOURED WHITE.
 - ALL SWPS AND STUB STACKS CONNECTED TO WCS SHALL BE 100mm UNLESS STATED OTHERWISE.
 - WHERE EXPOSED, ALL DRAINAGE PIPework SHALL BE PAINTED WHITE BY OTHERS.
 - FIRE COLLARS WILL BE PROVIDED TO ALL DRAINAGE PENETRATIONS THROUGH THE SLAB AS REQUIRED BY BUILDING REGULATIONS.

TENDER

Scale 1:50
m 0 1 2 3 4 5

- MECHANICAL SERVICES LEGEND**
- DOMESTIC COLD WATER AT LOW LEVEL
 - DOMESTIC COLD WATER WITHIN CEILING VOID
 - DOMESTIC HOT WATER FAN AT LOW LEVEL
 - DOMESTIC HOT WATER FAN WITHIN CEILING VOID
 - DRAINAGE PIPework AT LOW LEVEL
 - DRAINAGE PIPework BELOW FLOOR LEVEL
 - LOCATION OF SANITARY APPLIANCE SERVED BY HWS & CWS C/W TWIN
 - PIPework DROP / RISE
 - 1/2" HWS ROOM THERMOSTAT / CONTROLLER C/W TAMPER-PROOF SECURE ENCLOSURE
 - #100mm SWELCON 'VC' EXTRACT DISC VALVE C/W TAMPER-PROOF SCREW-LOOKING
 - CIRCULAR EXTRACT DUCTWORK
 - RECTANGULAR EXTRACT DUCTWORK
 - ABOVE GROUND DRAINAGE SOIL VENT PIPE
 - VOLUME CONTROL DAMPER
 - FIRE DAMPER
 - THERMOSTATIC MIXING VALVE
 - IN-LINE EXTRACTOR FAN

- KEY**
- RE - ROOMING EYE
 - SS - SUB-STOCK
 - SW - SOL. WENT PIPE
 - AC - AIR COMBUSTION
 - HP - HEATER PANEL
 - FR - UNDER COUNTER FRIDGE
 - (L) - LOW LEVEL

- DATA KEY**
- DOUBLE DATA POINT AT LOW LEVEL, WITH IN TRUNKING
 - DOUBLE DATA POINT AT HIGH LEVEL
 - CCTV CAMERA (to be supplied by others)
 - WIRELESS ACCESS POINT (to be supplied by others)
 - MULTIMEDIA CONNECTION
 - DATA CABINET
 - CCTV CAMERA (to be supplied by others)
 - NEW OM4 FIBRE OPTIC 8 CORE CABLE
 - LINK TO FIRE ALARM PANEL (Panel located in Cooper Building)
 - DETAIL FOR THERMOSTATIC MIXING VALVE ARRANGEMENT

- ELECTRICAL SERVICES LEGEND**
- TPN DISTRIBUTION BOARD
 - NVA LIGHTING, STERLING OPAL LED PANEL 600x600 RECESSED LED PANEL
 - NVA WASHINGTON 6-18W LED RECESSED OPAL SHALLOW DOWNLIGHT BAO
 - NVA HARVEST V2 8W LED RECESSED DOWNLIGHT PANEL BAO
 - NVA DENALI 15W LED P86 EYELED ALU BULKHEAD X3 LIGNUM BAO
 - NVA ARLINGTON LIFE LED MANT. SLIDE EXIT SIGN
 - DDOTES EMERGENCY VERSION
 - PR MOVEMENT SENSOR
 - EMERGENCY LIGHTING TEST KEY SWITCH
 - ADDRESSABLE FIRE ALARM SMOKE DETECTOR
 - ADDRESSABLE FIRE ALARM VISUAL ALARM DEVICE WITH SOUNDER
 - FIRE ALARM MANUAL CALL POINT
 - DISABLED TOILET ALARM AUDIO AND VISUAL SOUNDER
 - DISABLED TOILET ALARM PULL CHORD
 - UN-SWITCHED FUSED CONNECTION UNIT
 - SWITCHED FUSED CONNECTION UNIT C/W NEON INDICATOR
 - CLEANERS SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 450mm)
 - DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED AT LOW LEVEL (MIN 450mm) OR FITTED IN DADO TRUNKING
 - DOUBLE SWITCH SOCKET OUTLET FULLY RECESSED 150mm ABOVE WORK TOP
 - SINGLE UN-SWITCHED SOCKET FOR APPLIANCES
 - DADO TRUNKING SYSTEM
 - EXTERNAL LOCKABLE ELECTRIC SOCKETS



8/9 Faraday Road, Guildford
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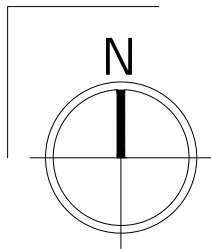
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Pre-prep Classroom Extension
Drawing title:
Pre-prep Classrooms
Proposed Reflected Ceiling,
Lighting and Fire Plan

Scale: 1:50 @ A1 / 1:100 @ A3
Date: October 2025
Drawing No: 15721(L)23-20
Drawn: AC
Checked: AC
Rev: A

Rev.	Date	Revision	By
A	23/10/25	Change of Classroom Layout	AC

Rev.	Date	Revision	By

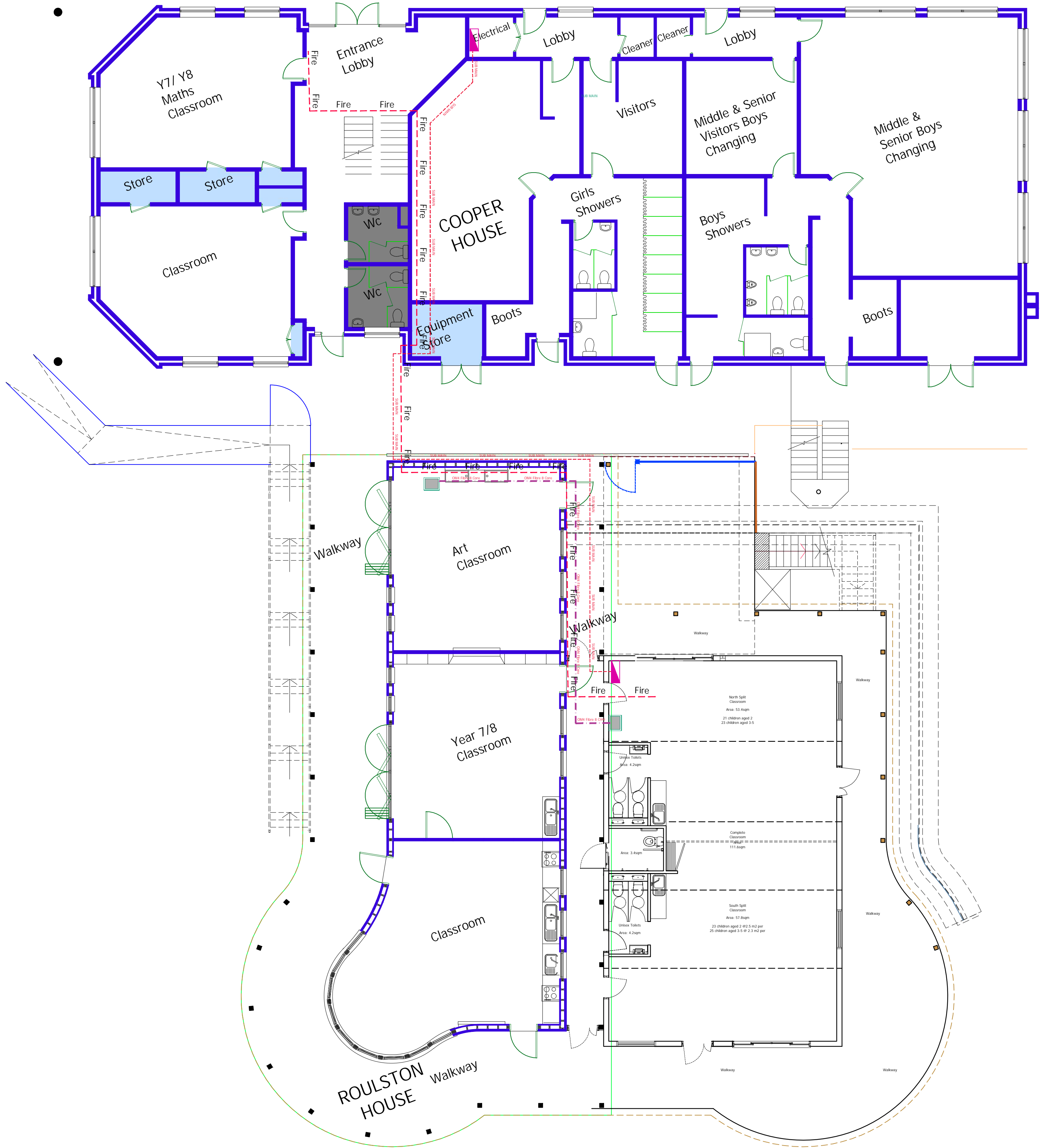
Rev.	Date	Revision	By



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 - Only figured dimensions are to be used.



CDM Residual Risks
In addition to the hazards and or risks typically associated with the types of work detailed on this drawing.



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A	23/10/25	Change of Classroom Layout	AC
Rev.	Date	Revision	By
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Client:
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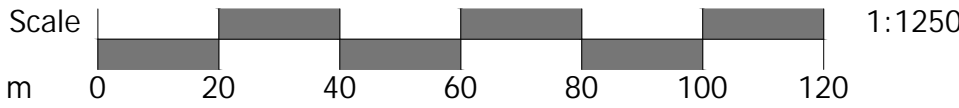
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

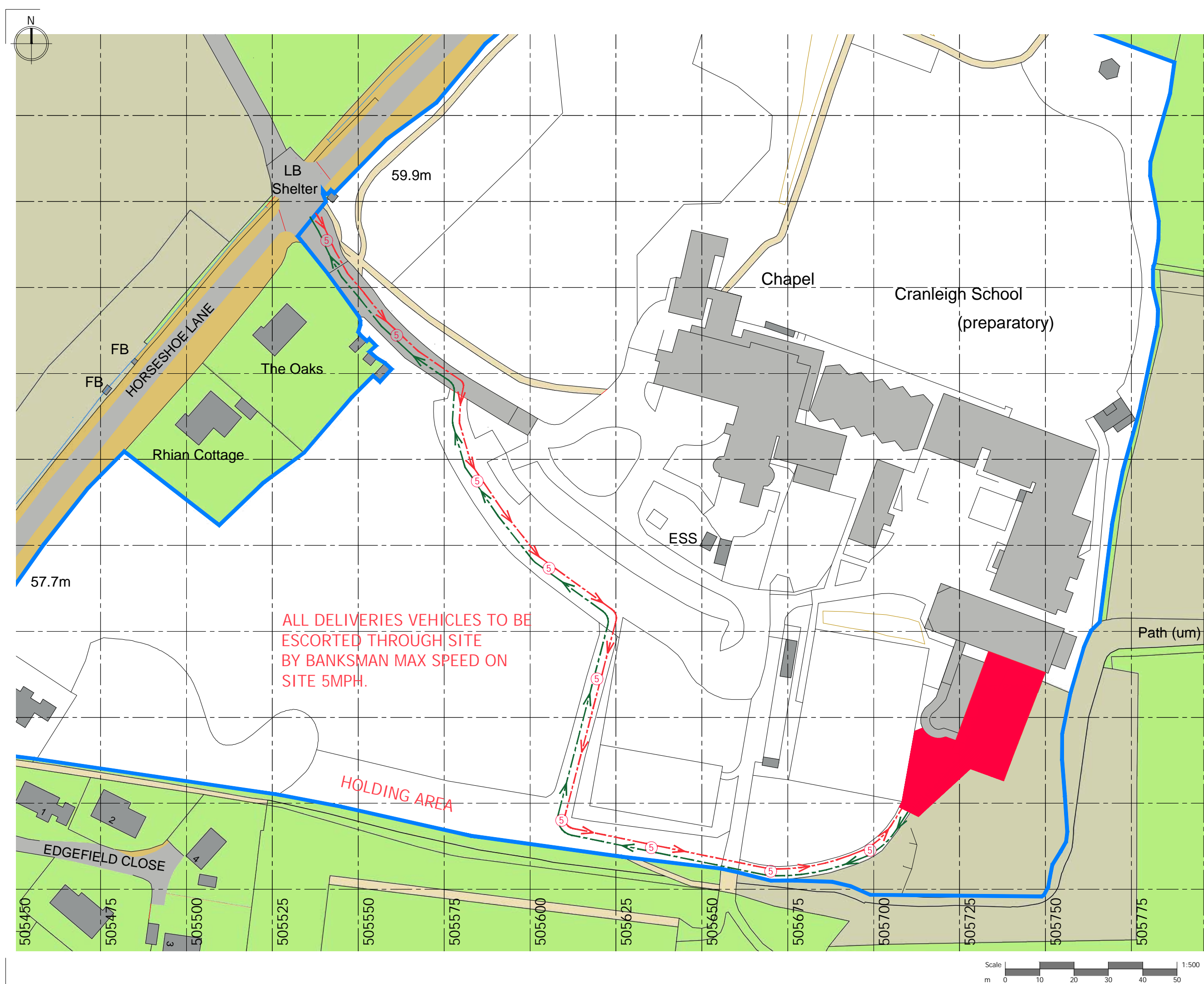
Job title:
Pre-prep Classroom Extention

Drawing title:
Service Link Route

Scale: 1:100 @ A1	Drawn: AC
Date: July 2025	Chkd: AC

Drawing No: 15721(L)00-22	Rev: A
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ALL DELIVERIES VEHICLES TO BE
ESCORTED THROUGH SITE
BY BANKSMAN MAX SPEED ON
SITE 5MPH.

HOLDING AREA

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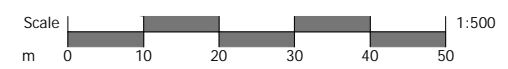
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

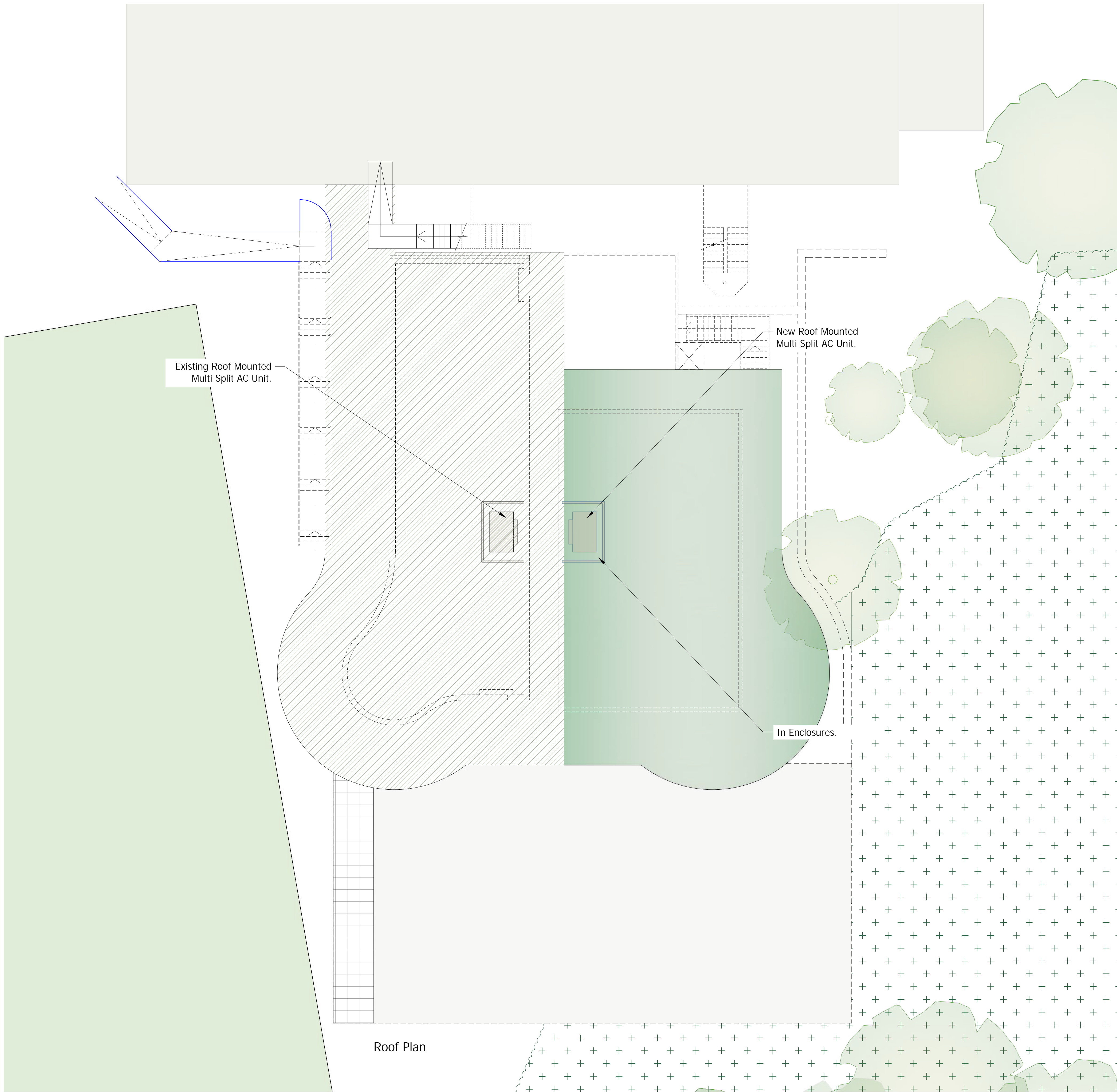
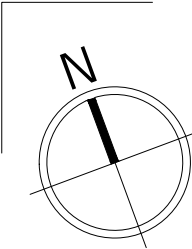
Job title:
Pre-prep Classroom Extension

Drawing title:
Site Access Route Plan

Scale: 1:500 @ A1	Drawn: TH
Date: July 2025	Chkd: AC

Drawing No: 15721(L)00-09	Rev: .
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Roof Plan



- NOTES :
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TENDER

A	04-08 2025	Layout Amended	TH
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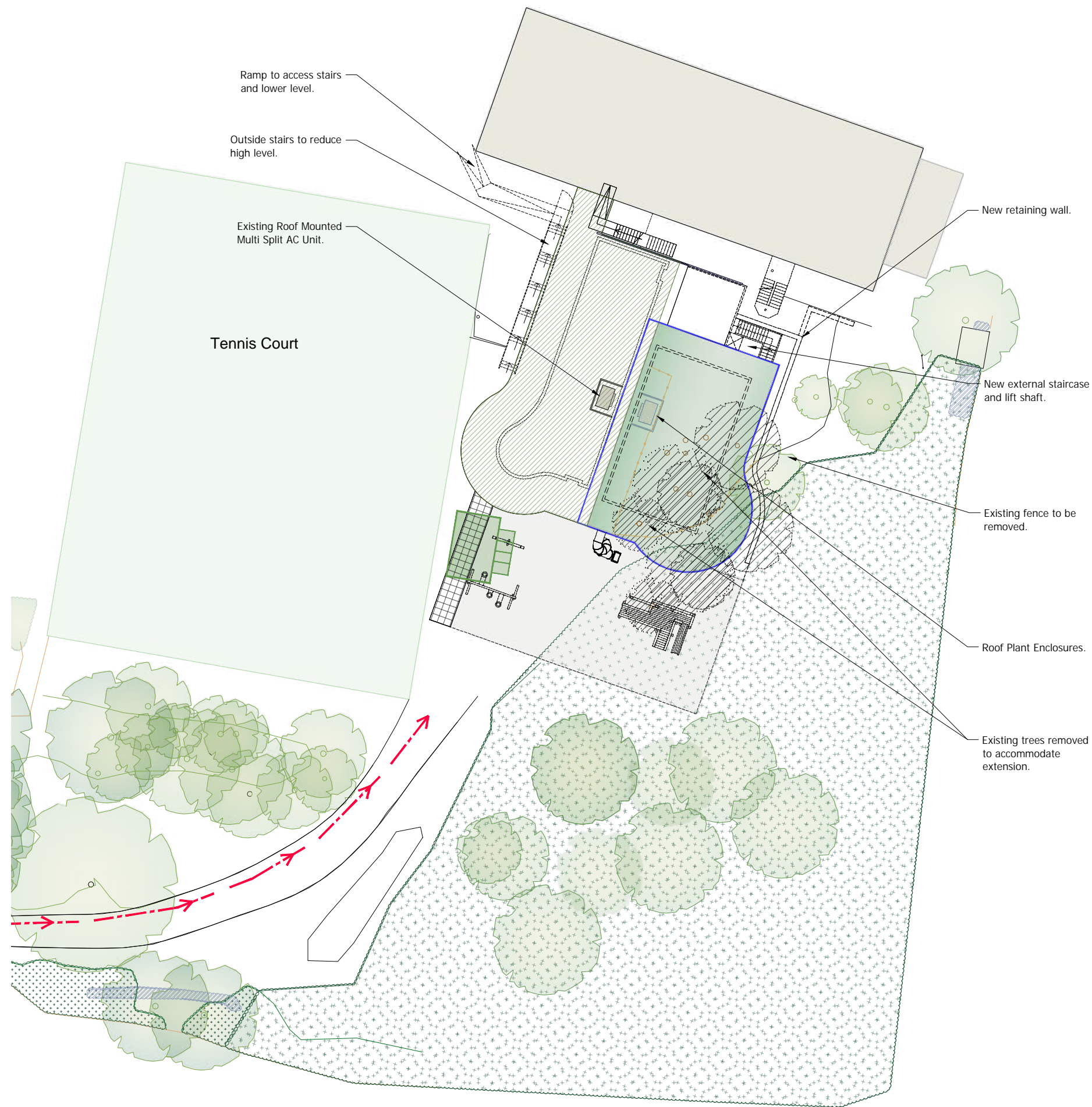
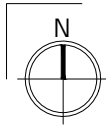
Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Pre-prep Classrooms
As proposed Roof Plan

Scale: 1:100 @ A1 / 1:200 @ A3	Drawn: AC
Date: June 2025	Chkd: AC

Drawing No: 15721(L)23-11	Rev:
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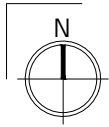
Project address:
Cranleigh Preparatory school
Horseshoe lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Proposed Site Plan

Scale: 1:200 @ A1	Drawn: TH
Date: July 2025	Chkd: AC
Drawing No: 15721(L)23-12	Rev: .

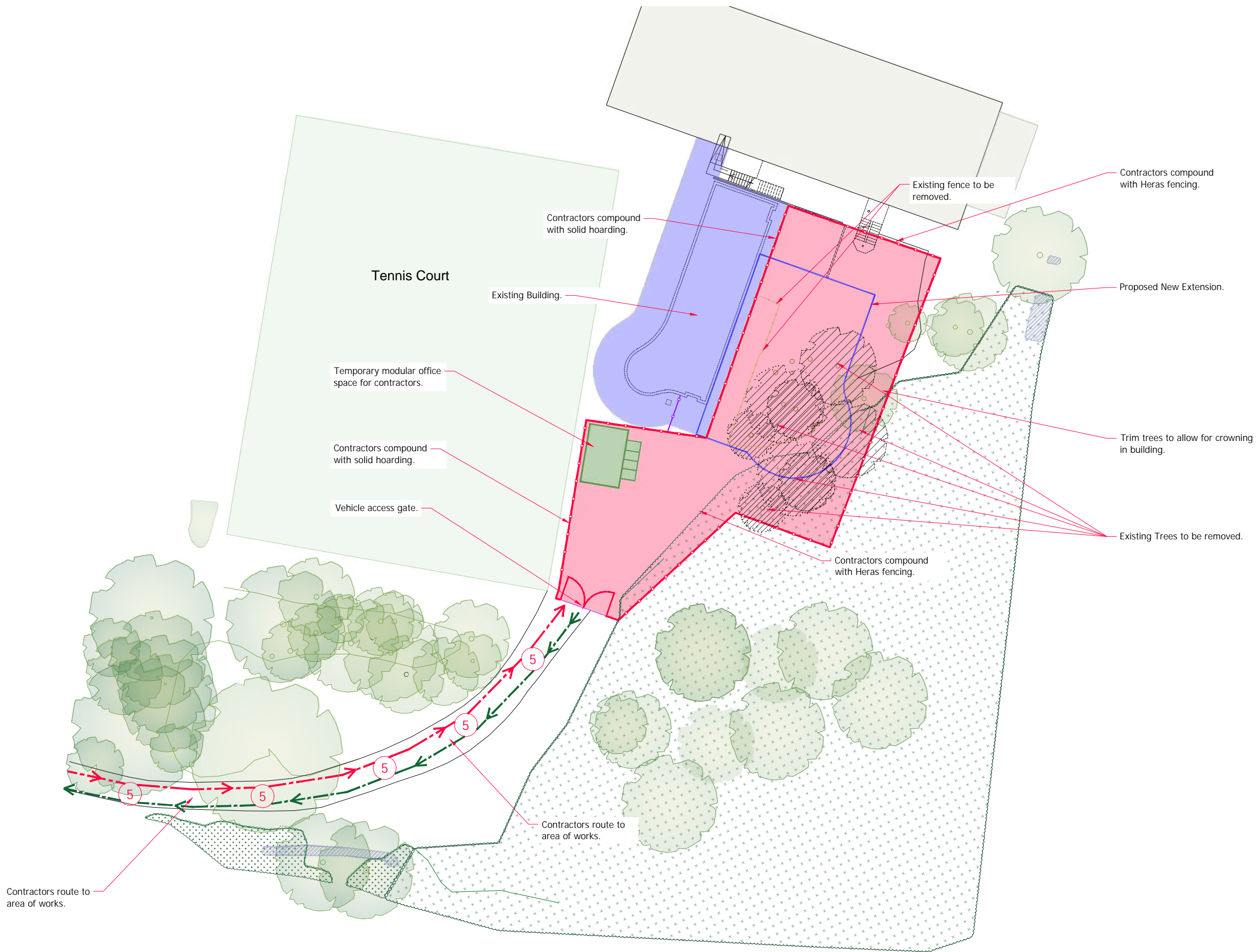




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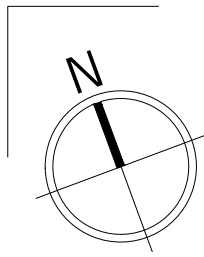
Project address:
Cranleigh Preparatory school
Horseshoe lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Contractor Compound Plan

Scale: 1:200 @ A1	Drawn: MS
Date: July 2025	Chkd: AC
Drawing No: 15721(L)23-13	Rev: .

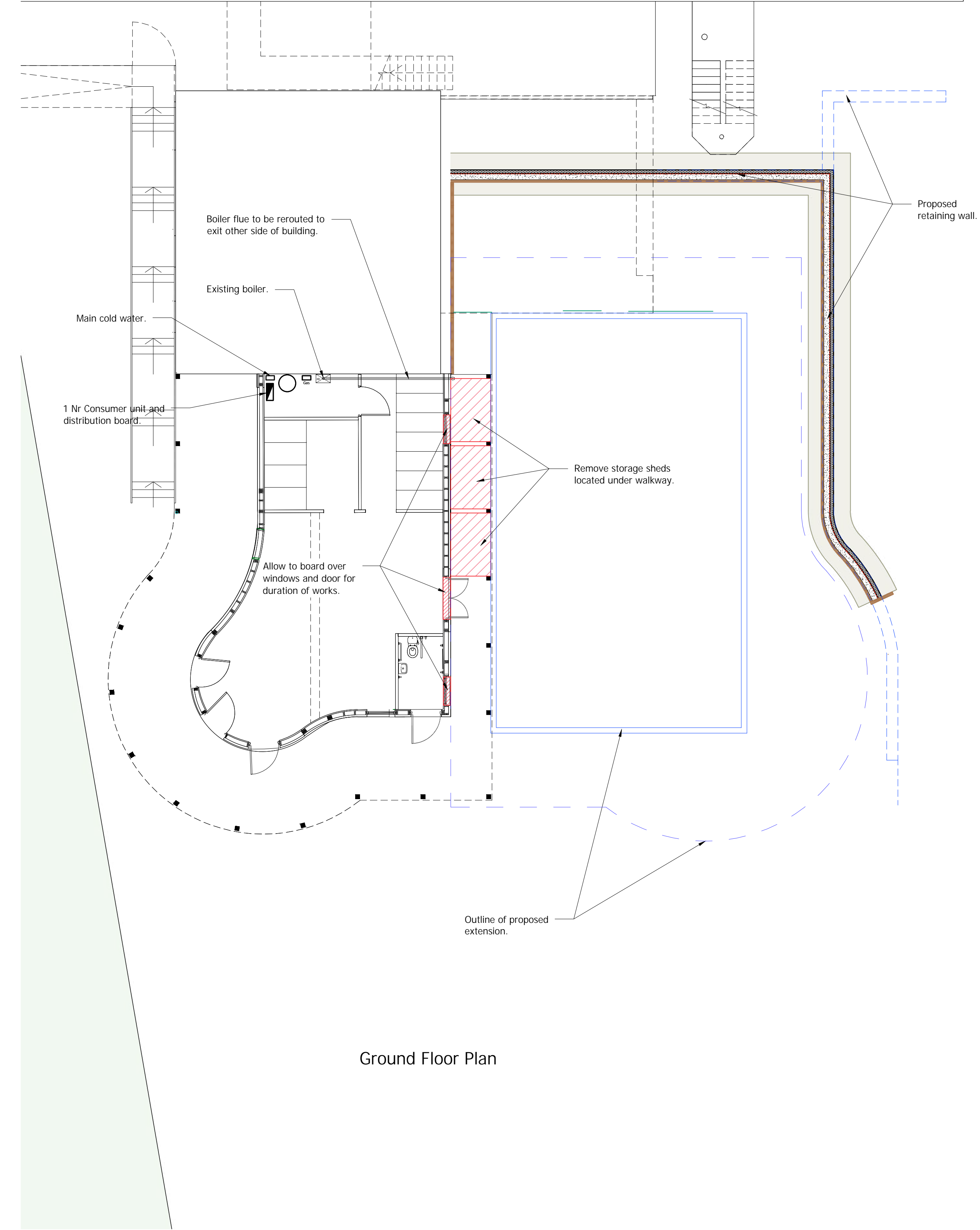
Scale | 0 4 8 12 16 20 | 1:200
m



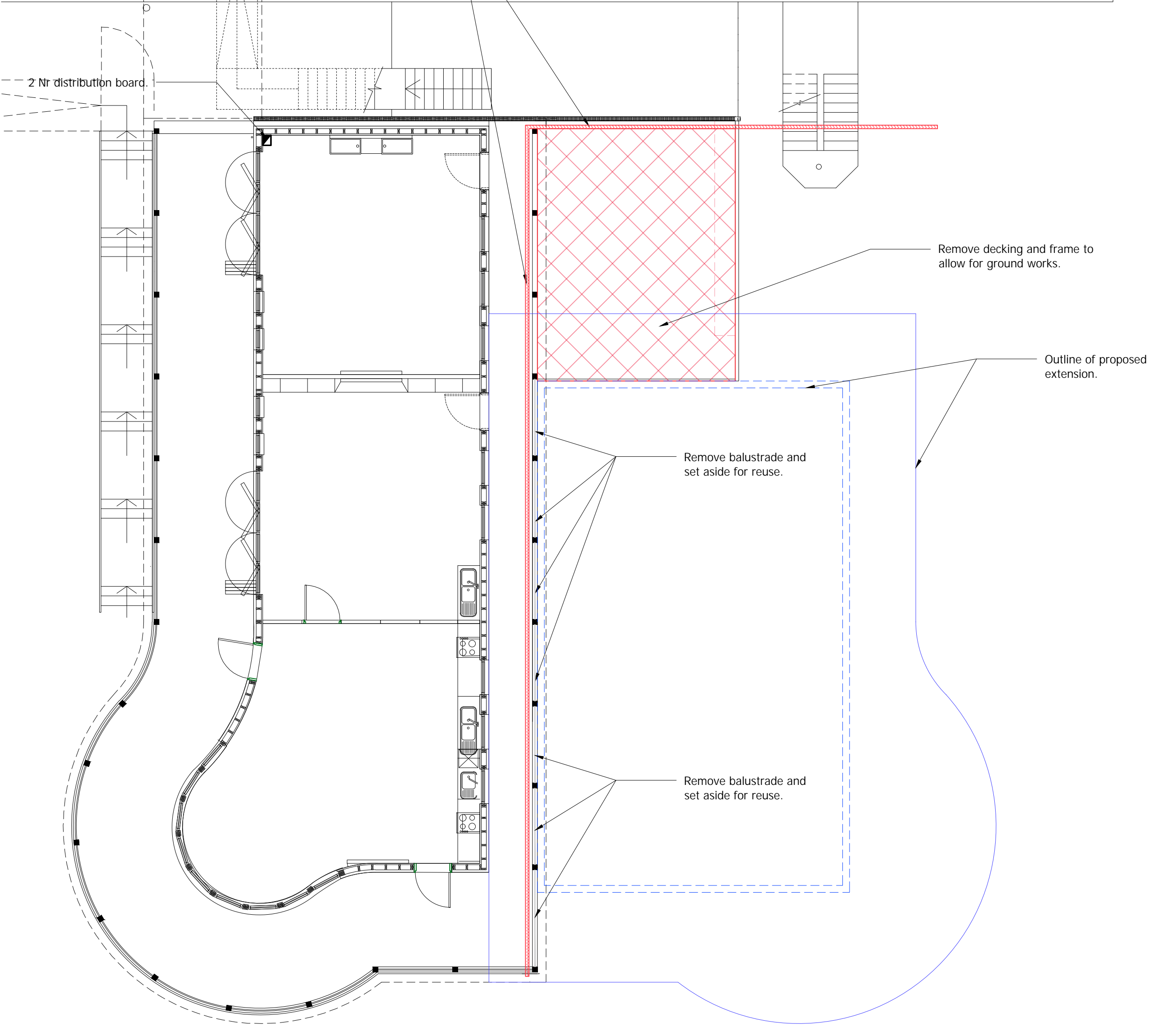
- NOTES :
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Ground Floor Plan



First Floor Plan



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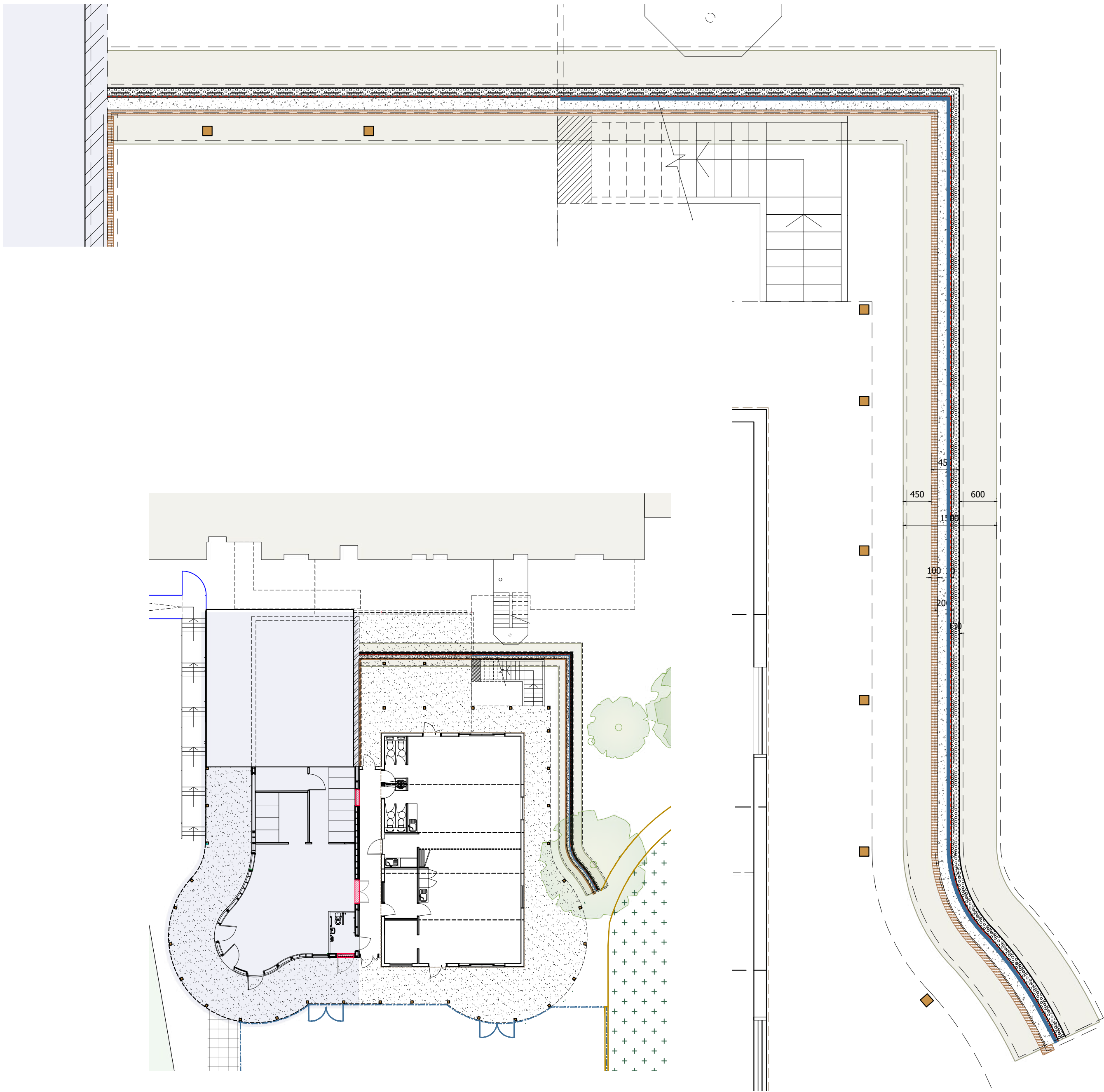
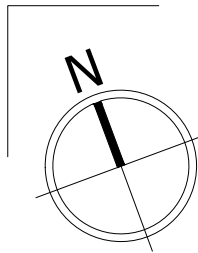
Client:
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Project address:
Cranleigh Preparatory School
Horseshoe Lane, Cranleigh
Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

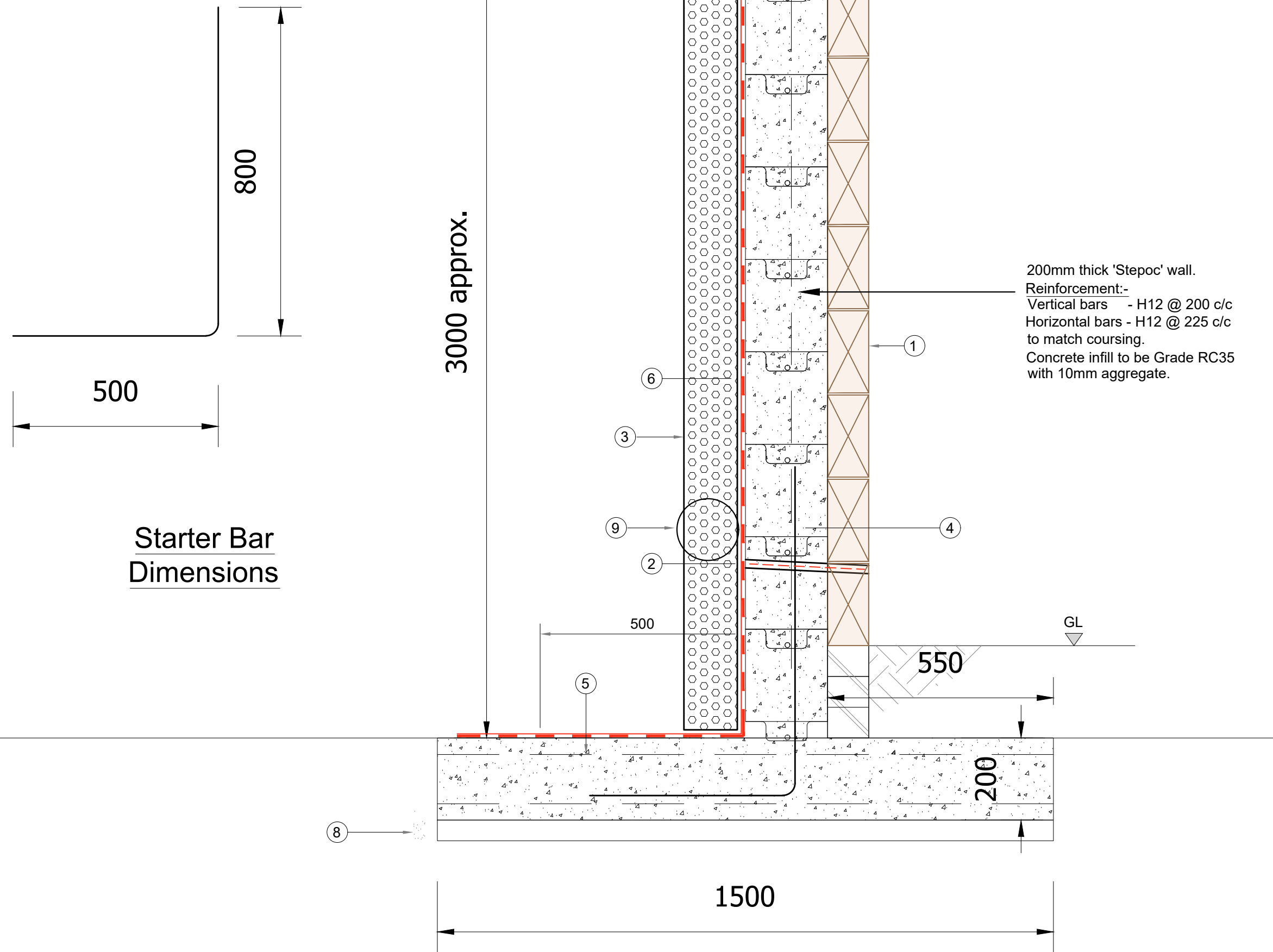
Drawing title:
Pre-prep Classrooms
Enabling and Strip-out Plan

Scale: 1:100 @ A1 / 1:200 @ A3	Drawn: AC
Date: June 2025	Chkd: AC
Drawing No: 15721(L)23-15	Rev:



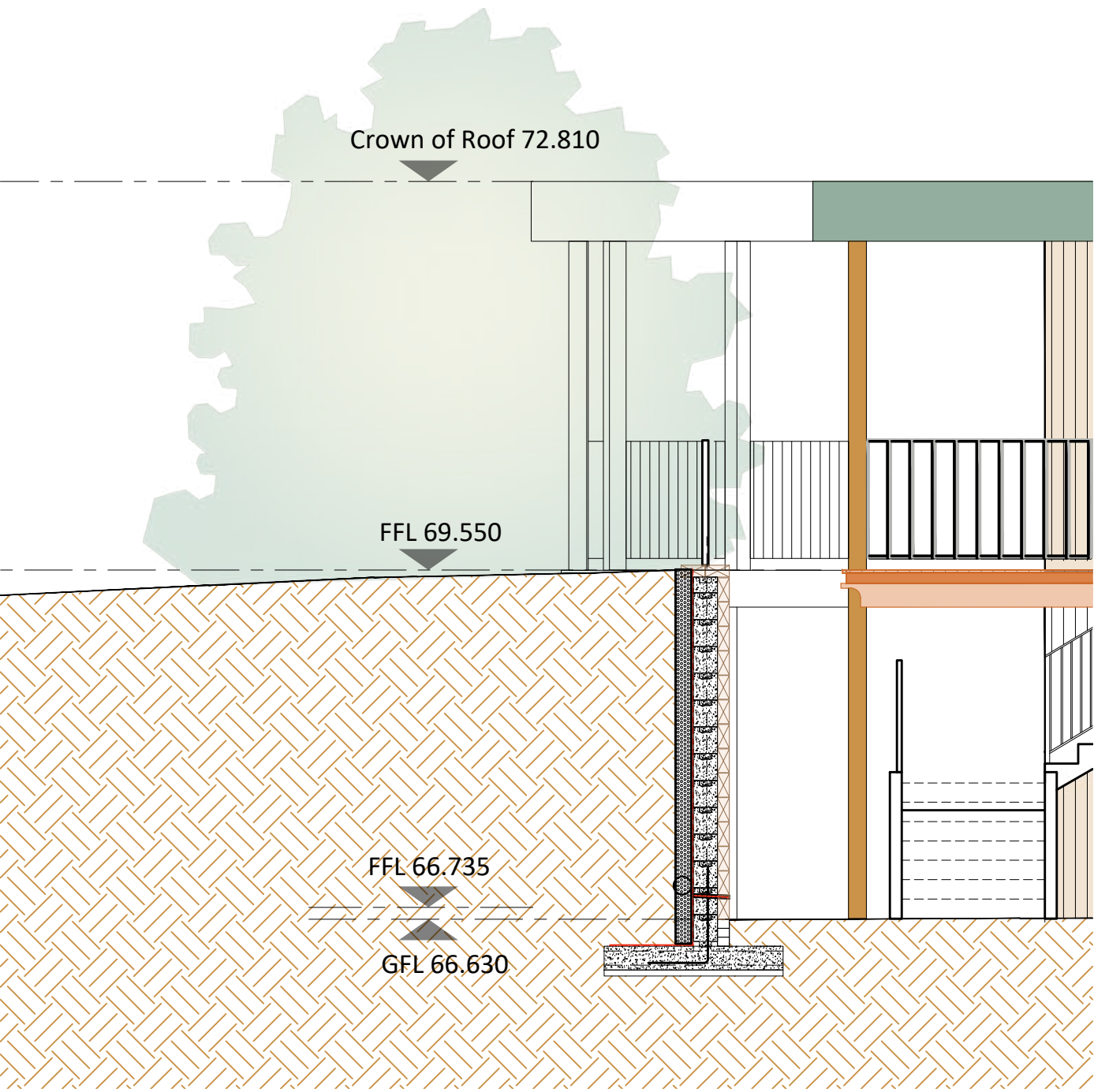
Ground Floor Plan
Scale 1:200

Retaining Wall Detail
Scale 1:50



Starter Bar
Dimensions

Retaining Wall Detail
Scale 1:10



Retaining Wall Section
Scale 1:50



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Retaining Wall Notes.

- Timber sleepers.
- Weepholes (to be designed by specialist).
- Retaining wall to have 150mm granular backfill Granular backfill to be wrapped in geotextile filter fabric
- Provide H12 starter bars @ 200mm c/c. (500mm min lap length).
- Bases to be min RC35 concrete. Mesh in wall bases to be A393 BS mesh with min 35mm top & bottom cover.
- Waterproof lining to inner face of wall full height typically 2 coats of syntaprufe.
- Coping to others details.
- 50mm thick concrete blinding.
- Perforated drainage pipe.

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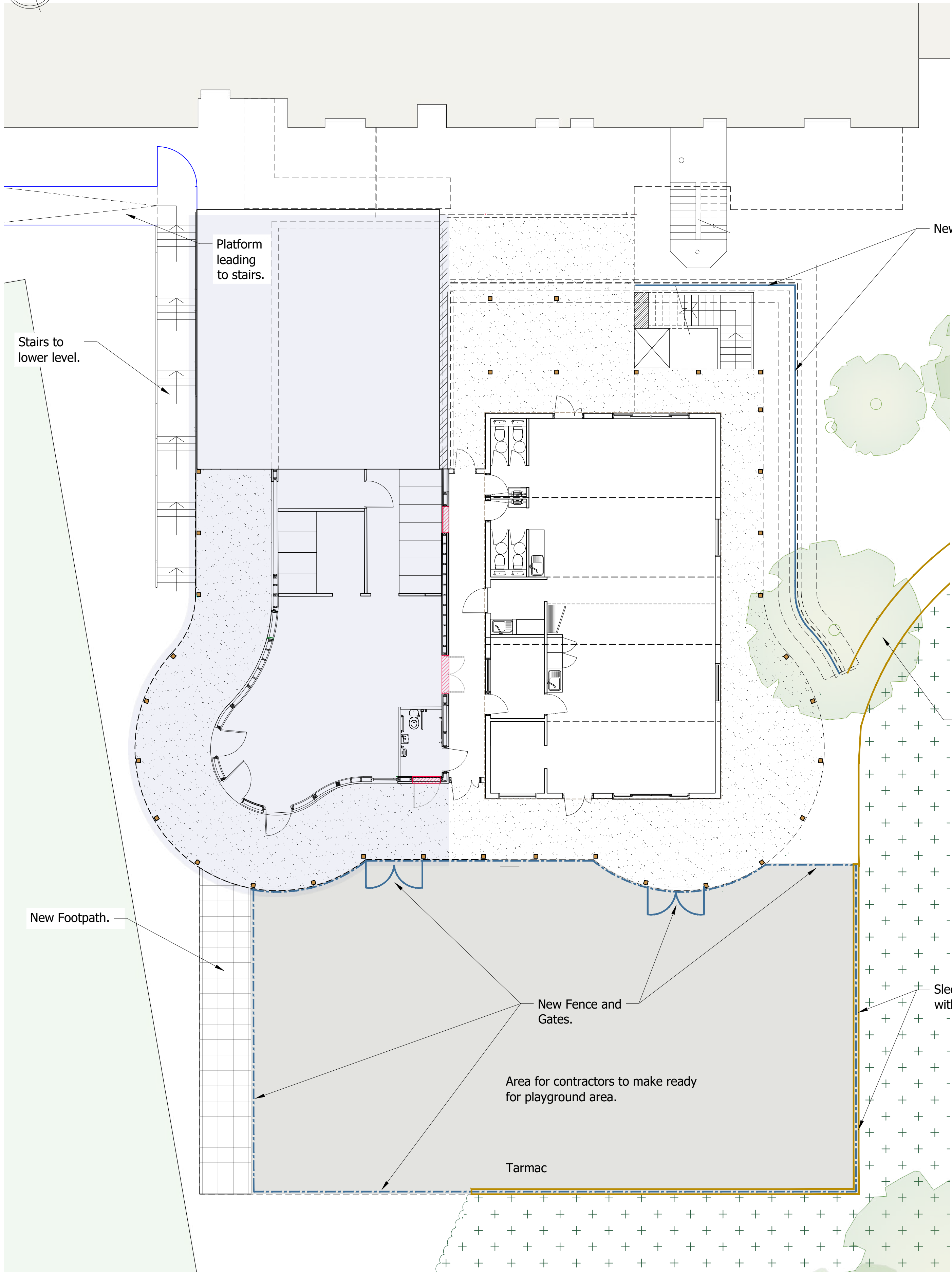
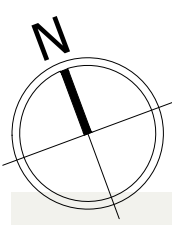
Client:
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Project address:
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Surrey GU6 8QH**

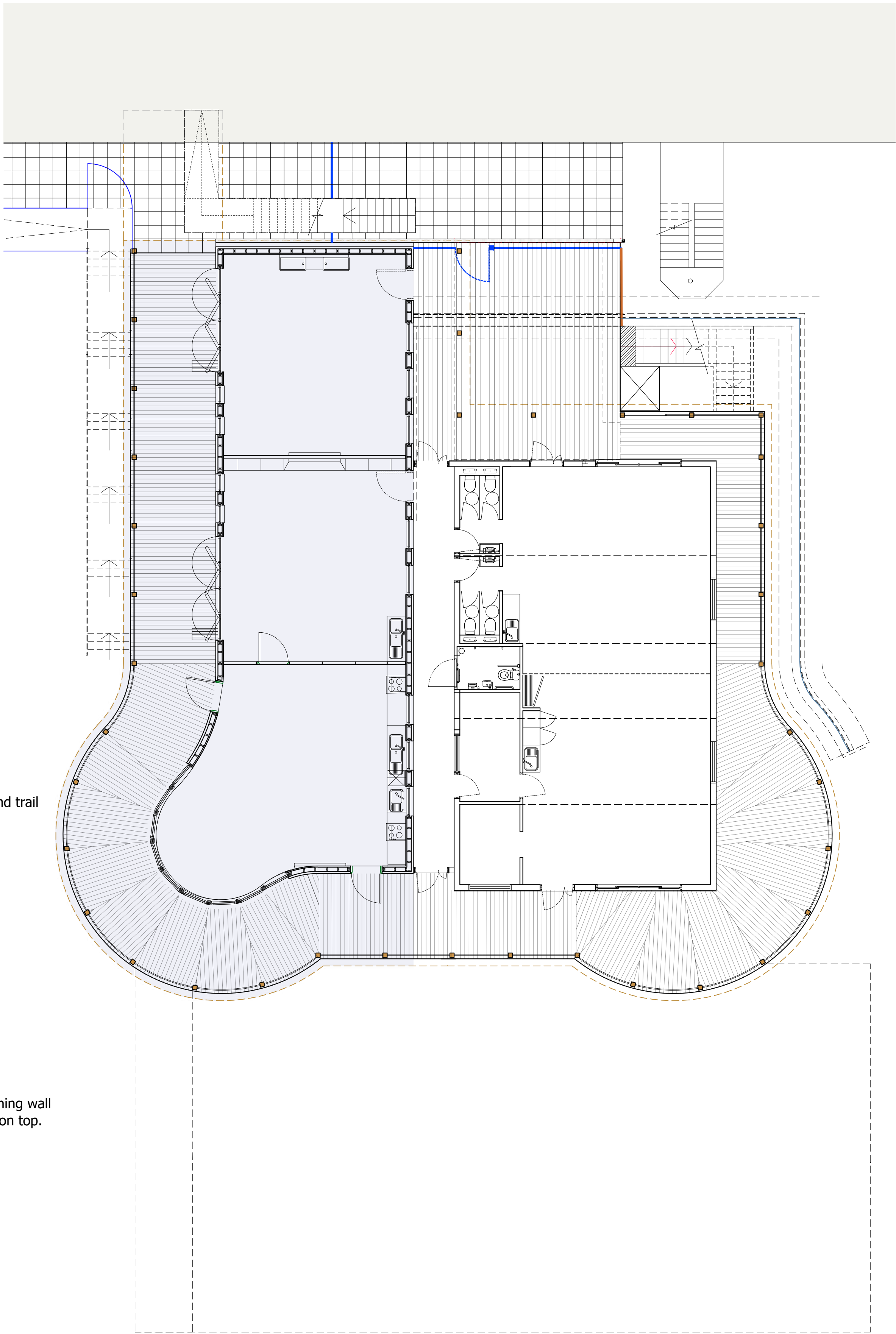
Job title:
Pre-prep Classroom Extension

Drawing title:
**Pre-prep Classrooms
As proposed Retaining Wall Detail**

Scale: 1:50 1:10 @ A1 / 1:200 @ A3	Drawn: AC
Date: June 2025	Chkd: AC
Drawing No: 15721(L)23-21	Rev:



Ground Floor Plan



First Floor Plan

- NOTES :
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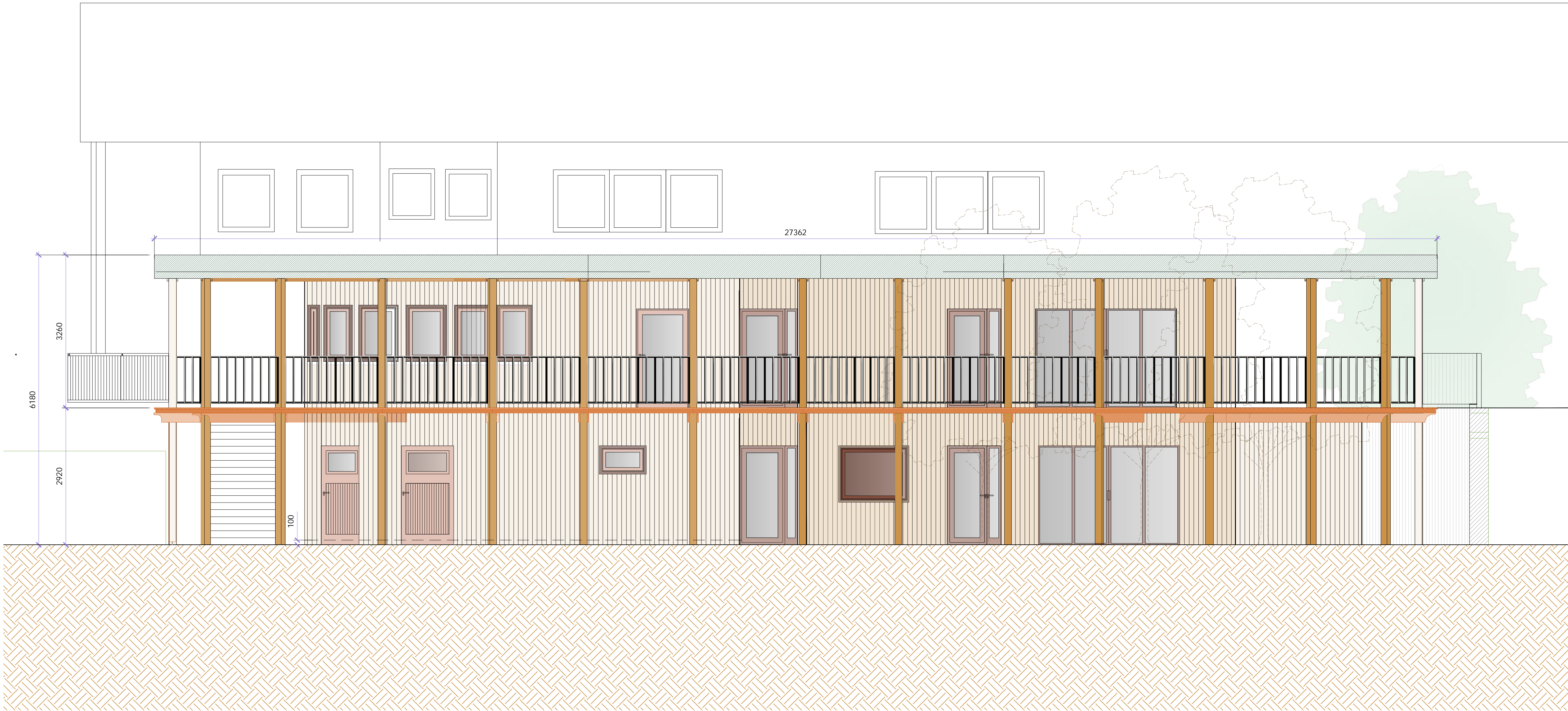
Project address:
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Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

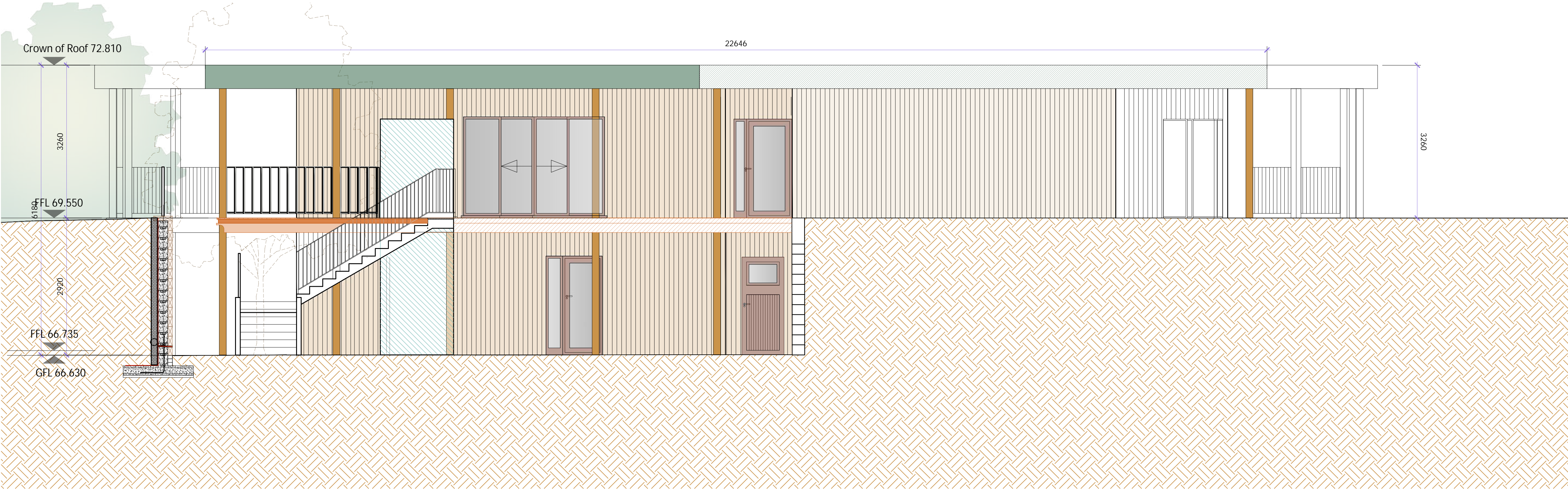
Drawing title:
Pre-prep Classrooms
As proposed External Finishes

Scale: 1:100 @ A1 / 1:200 @ A3	Drawn: AC
Date: October 2025	Chkd: AC
Drawing No: 15721(L)23-23	Rev:





South Elevation



North Elevation



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TENDER

B	24-10-2025	Changes to location of doors and windows	AC
A	03-07-2025	Resizing of Text in paper space and amendments to drawing number	TH
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Project address:
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Surrey GU6 8QH

Job title:
Pre-prep Classroom Extension

Drawing title:
Proposed North and South Elevations

Scale: 1:50 @ A1	Drawn: TH
Date: June 2025	Chkd: AC
Drawing No: 15721(E)31-03	Rev: B