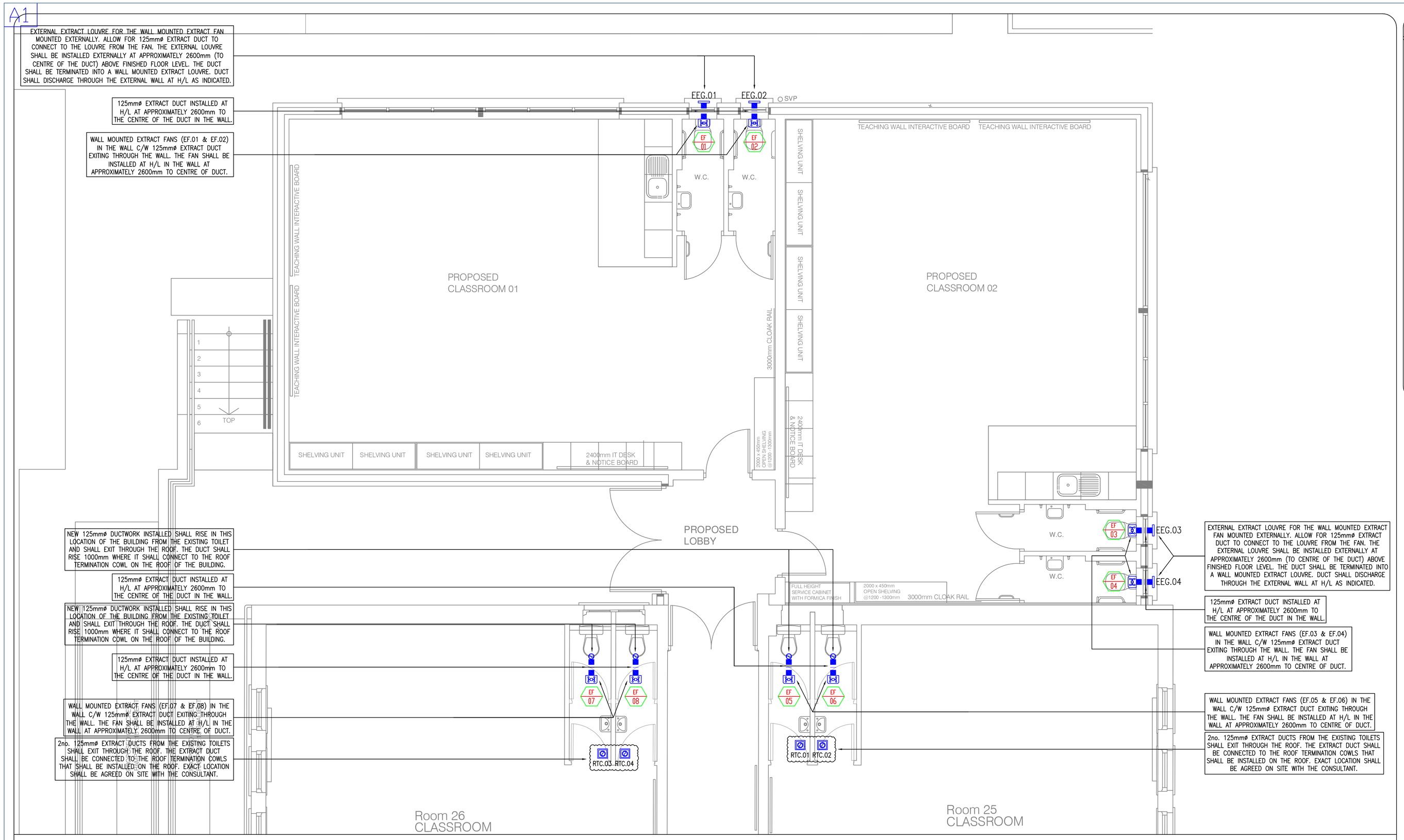
A1

EXTERNAL EXTRACT LOUVRE FOR THE WALL MOUNTED EXTRACT FAN MOUNTED EXTERNALLY. ALLOW FOR 125mmø EXTRACT DUCT TO CONNECT TO THE LOUVRE FROM THE FAN. THE EXTERNAL LOUVRE SHALL BE INSTALLED EXTERNALLY AT APPROXIMATELY 2600mm (TO CENTRE OF THE DUCT) ABOVE FINISHED FLOOR LEVEL. THE DUCT SHALL BE TERMINATED INTO A WALL MOUNTED EXTRACT LOUVRE. DUCT SHALL DISCHARGE THROUGH THE EXTERNAL WALL AT H/L AS INDICATED.

125mmø EXTRACT DUCT INSTALLED AT H/L AT APPROXIMATELY 2600mm TO THE CENTRE OF THE DUCT IN THE WALL.

WALL MOUNTED EXTRACT FANS (EF.01 & EF.02) IN THE WALL C/W 125mmø EXTRACT DUCT EXITING THROUGH THE WALL. THE FAN SHALL BE INSTALLED AT H/L IN THE WALL AT APPROXIMATELY 2600mm TO CENTRE OF DUCT.



NEW 125mmø DUCTWORK INSTALLED SHALL RISE IN THIS LOCATION OF THE BUILDING FROM THE EXISTING TOILET AND SHALL EXIT THROUGH THE ROOF. THE DUCT SHALL RISE 1000mm WHERE IT SHALL CONNECT TO THE ROOF TERMINATION COWL ON THE ROOF OF THE BUILDING.

125mmø EXTRACT DUCT INSTALLED AT H/L AT APPROXIMATELY 2600mm TO THE CENTRE OF THE DUCT IN THE WALL.

NEW 125mmø DUCTWORK INSTALLED SHALL RISE IN THIS LOCATION OF THE BUILDING FROM THE EXISTING TOILET AND SHALL EXIT THROUGH THE ROOF. THE DUCT SHALL RISE 1000mm WHERE IT SHALL CONNECT TO THE ROOF TERMINATION COWL ON THE ROOF OF THE BUILDING.

125mmø EXTRACT DUCT INSTALLED AT H/L AT APPROXIMATELY 2600mm TO THE CENTRE OF THE DUCT IN THE WALL.

WALL MOUNTED EXTRACT FANS (EF.07 & EF.08) IN THE WALL C/W 125mmø EXTRACT DUCT EXITING THROUGH THE WALL. THE FAN SHALL BE INSTALLED AT H/L IN THE WALL AT APPROXIMATELY 2600mm TO CENTRE OF DUCT.

2no. 125mmø EXTRACT DUCTS FROM THE EXISTING TOILETS SHALL EXIT THROUGH THE ROOF. THE EXTRACT DUCT SHALL BE CONNECTED TO THE ROOF TERMINATION COWLS THAT SHALL BE INSTALLED ON THE ROOF. EXACT LOCATION SHALL BE AGREED ON SITE WITH THE CONSULTANT.

EXTERNAL EXTRACT LOUVRE FOR THE WALL MOUNTED EXTRACT FAN MOUNTED EXTERNALLY. ALLOW FOR 125mmø EXTRACT DUCT TO CONNECT TO THE LOUVRE FROM THE FAN. THE EXTERNAL LOUVRE SHALL BE INSTALLED EXTERNALLY AT APPROXIMATELY 2600mm (TO CENTRE OF THE DUCT) ABOVE FINISHED FLOOR LEVEL. THE DUCT SHALL BE TERMINATED INTO A WALL MOUNTED EXTRACT LOUVRE. DUCT SHALL DISCHARGE THROUGH THE EXTERNAL WALL AT H/L AS INDICATED.

125mmø EXTRACT DUCT INSTALLED AT H/L AT APPROXIMATELY 2600mm TO THE CENTRE OF THE DUCT IN THE WALL.

WALL MOUNTED EXTRACT FANS (EF.03 & EF.04) IN THE WALL C/W 125mmø EXTRACT DUCT EXITING THROUGH THE WALL. THE FAN SHALL BE INSTALLED AT H/L IN THE WALL AT APPROXIMATELY 2600mm TO CENTRE OF DUCT.

WALL MOUNTED EXTRACT FANS (EF.05 & EF.06) IN THE WALL C/W 125mmø EXTRACT DUCT EXITING THROUGH THE WALL. THE FAN SHALL BE INSTALLED AT H/L IN THE WALL AT APPROXIMATELY 2600mm TO CENTRE OF DUCT.

2no. 125mmø EXTRACT DUCTS FROM THE EXISTING TOILETS SHALL EXIT THROUGH THE ROOF. THE EXTRACT DUCT SHALL BE CONNECTED TO THE ROOF TERMINATION COWLS THAT SHALL BE INSTALLED ON THE ROOF. EXACT LOCATION SHALL BE AGREED ON SITE WITH THE CONSULTANT.

VENTILATION SERVICES LAYOUT (SCALE 1:50)

VENTILATION LEGENDS AND SYMBOLS

	EXTRACT AIR DUCTWORK FOR THE TOILETS HIDDEN THROUGH THE WALL AT HIGH LEVEL. SEE DRAWING FOR SPECIFIC SIZE.
	EXTRACT AIR DUCTWORK FOR THE GENERAL AREAS HIDDEN IN THE ATTIC AT HIGH LEVEL. SEE DRAWING FOR SPECIFIC SIZE.
	PASSIVE AIR DUCTWORK FOR THE GENERAL AREAS EXPOSED AT HIGH LEVEL. SEE DRAWING FOR SPECIFIC SIZE.
EF.*	CEILING MOUNTED EXTRACT FAN (* DENOTES NUMBER OF FAN)
EF *	EXTRACT FAN (* DENOTES NUMBER)
EEG.*	EXTERNAL WALL MOUNTED EXTRACT LOUVRE (* DENOTES NUMBER OF LOUVRE)
EPG.*	EXTERNAL WALL MOUNTED PASSIVE LOUVRE (* DENOTES NUMBER OF LOUVRE)
PG.*	INTERNAL WALL MOUNTED PASSIVE LOUVRE (* DENOTES NUMBER OF LOUVRE)
PIR	CEILING MOUNTED REMOTE PIR SENSOR FOR CONTROL OF EXTRACT FAN FOR THE TOILETS
RTC.*	ROOF TERMINATION COWL (* DENOTES NUMBER OF COWL).
BD	VOLUME CONTROL BALANCING DAMPER (VCD)
H/L	HIGH LEVEL
L/L	LOW LEVEL
T.B.	TO BELOW
F.B.	FROM BELOW
T.A.	TO ABOVE

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.

2. THE CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECCESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.

3. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINATING THE MECHANICAL INSTALLATION WITH THE ELECTRICAL CONTRACTOR ON SITE. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.

4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.

5. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL MECHANICAL SERVICES INDICATED ON THIS DRAWING.

6. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PIPEWORK, MECHANICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.

7. NEW MAINS RUN OF MECHANICAL PIPEWORK SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATIVE ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE MECHANICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTABLE.

8. FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PIPEWORK, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

9. ALL SERVICES THROUGH FIRE BARRIERS SHALL BE SLEEVED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE OPES AFTER SERVICES IS INSTALLED.

10. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE MECHANICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

11. THE CONTRACTOR SHALL REFER TO THE KEY PLAN ON THE DRAWING WHICH INDICATES WHERE WORKS WILL BE REQUIRED TO BE CARRIED OUT IN THE BUILDING.

VENTILATION SERVICES NOTES:

12. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL FANS, DUCTWORK, SUPPORTS, INSULATION ETC. THROUGHOUT THE BUILDING FOR THE SUCCESSFUL INSTALLATION OF THE VENTILATION SYSTEM INSTALLATION AS INDICATED ON THE DRAWINGS.

13. FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PIPEWWORK ROUTES, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

14. REFER TO ALL OTHER DRAWINGS FOR SPECIFIC LAYOUT OF REQUIRED SERVICES THROUGHOUT THE BUILDING.

15. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE VENTILATION WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

16. FINAL LOCATIONS OF ALL GRILLES TO BE CO-ORDINATED ON SITE WITH LIGHTING LAYOUTS.

17. ALL GRILLES SHALL HAVE LOCAL VOLUME CONTROL BALANCING DAMPERS. ALL VCD'S SHALL BE BLADE TYPE AND SHALL HAVE A LOCKING QUADRANT C/W WING NUT LOCKING DEVICE.

18. ALL DUCTWORK INDICATED ON THE DRAWINGS (TOILET EXTRACT) SHALL BE INSTALLED IN GALVANIZED SHEET METAL.

19. ALL BENDS & CHANGES IN DIRECTION TO BE AS PER DW 144.

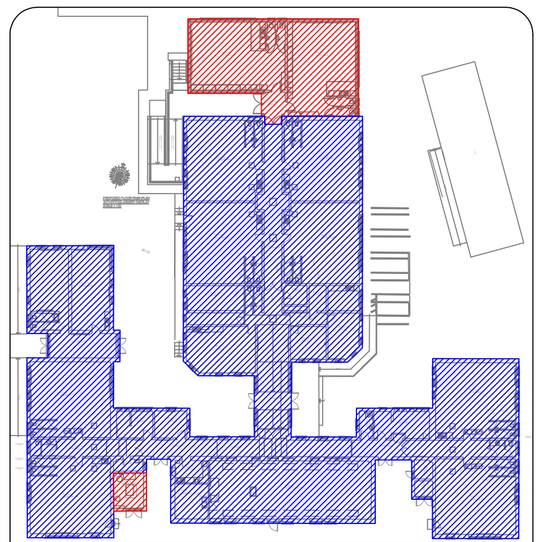
20. ALL DUCTING AND ASSOCIATED VENTILATION WORKS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.

21. SEE SPECIFICATIONS FOR THE CONTROLLING THE EXTRACT FAN. THE EXTRACT FAN SHALL BE CONTROLLED VIA REMOTE & INCORPORATED PIR SENSORS WITHIN THE TOILETS.

22. ALL DUCTWORK LOCATED AT HIGH LEVEL IN THE WALLS

23. THE VENTILATION SYSTEM SHALL BE COMMISSIONED AND BALANCED AS SPECIFIED IN THE TENDER DOCUMENTS.

24. THE CONTRACTOR SHALL ALLOW FOR THE COMMISSIONING AND BALANCING OF THE VENTILATION SYSTEMS IN THE BUILDING ONCE ALL ITEMS HAVE BEEN COMPLETED AND INSTALLED.



AREA OF THE BUILDING WHERE MINIMAL WORKS SHALL BE CARRIED OUT OTHER THAN CONNECTING EXISTING SERVICES TO THE NEW SERVICES WITHIN THE NEW EXTENSION OF THE BUILDING.

NEW EXTENSION OF THE BUILDING. THE MAJORITY OF THE WORKS SHALL BE CARRIED OUT IN THIS AREA OF THE BUILDING.

KEY PLAN OF THE BUILDING (SCALE 1:500)

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	22.06.26	J. O'SULLIVAN	G. BENNDORF

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TENDER

Job Title
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BRAY,
CO. WICKLOW.

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Drawing No:
57(M001)

Job No.	Drawn by:	Scale:	Rev.
21-008	J.O'S	AS INDICATED	T1