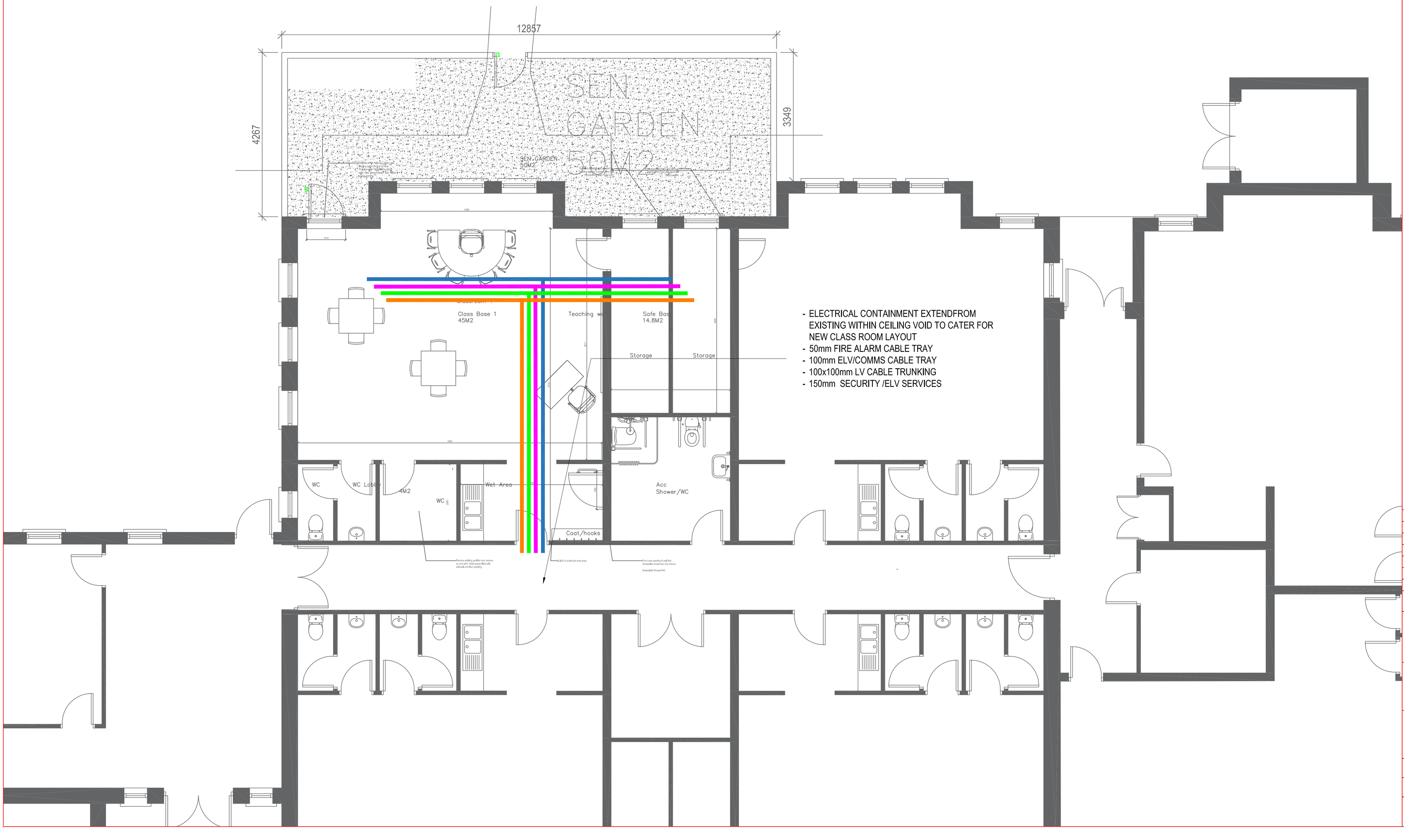
A1



GENERAL NOTES

1) Do not scale services equipment from this drawing.
2) All dimensions should be checked on site.
3) Any drawing errors or divergences should be brought to the attention of Geaney Engineering Consultants at the address shown below.
4) Drawing to be read in conjunction with all other drawings and documentation.

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES FULLY WITH ALL TRADES BEFORE COMMENCING WORK.
3. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON SITE.
4. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW PROPER CO-ORDINATION OF ALL SERVICES.
5. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
6. EXACT LOCATION OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCEMENT ON SITE.
7. ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER PRICE.
8. SAMPLE OF ALL EQUIPMENT SHALL BE APPROVED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
9. ALL DIMENSIONS IN MILLIMETRES UNLESS STATED OTHERWISE.

ELECTRICAL CONTAINMENT NOTES:

1. THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION & LAYOUT OF THE CABLE CARRIER SYSTEM WHICH SHALL INCLUDE A GALVANISED STEEL TRAY, TRUNKING & CONDUIT SYSTEM THROUGHOUT.
2. ALL ELECTRICAL CONTAINMENT AND ELECTRICAL SERVICES INDICATED & NOTED ON THIS DRAWING ARE PART OF THE NEW INSTALLATION UNLESS INDICATED OTHERWISE.
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL BENDS, TEES AND CROSS-OVERS THAT ARE REQUIRED TO MEET CURRENT ETCI STANDARDS. THE ROUTES INDICATED ARE MAIN ROUTES ONLY. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL TRAY AND TRUNKING TO ENSURE MECHANICAL PROTECTION OF ALL CABLING.
4. ALL CONTAINMENT SHALL RUN TRUE TO MAIN BUILDING LINES.
5. PRIMARY CONTAINMENT SHALL GENERALLY BE CONCEALED IN CEILING VOIDS AND ATTIC SPACES MOUNTED ON GALVANISED STEEL SUPPORTS SECURED TO THE STRUCTURE AT MAXIMUM 1.2m CENTRES UNLESS INDICATED OTHERWISE.
6. WALL MOUNTED PRIMARY ELECTRICAL CONTAINMENT SHALL BE MOUNTED ON GALVANISED STEEL SUPPORTS ANCHORED TO THE WALL STRUCTURE AT MAXIMUM 1.2m CENTRES.
7. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL CHANGES OF LEVEL AND VERTICAL CONTAINMENT AS REQUIRED.
8. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR OFFSETTING AND STACKING ELECTRICAL CONTAINMENT TO COORDINATE WITH SERVICES OPENINGS IN WALLS.
9. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR GALVANISED STEEL HEADER TRUNKING OVER THE DISTRIBUTION BOARDS.
10. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL CONTAINMENT IN THE BOILER ROOM AND PLANT ROOMS AS REQUIRED.
11. ELECTRICAL OUTLETS, CONNECTION UNITS, SWITCHES AND DEVICES BELOW CEILING LEVEL IN THE SEN AREA OF EXTENSION SHALL FINISH FLUSH C/W RECESSED GALVANISED STEEL BACKBOXES AND TCD PART 'M' COMPLIANT FRONT PLATES. GALVANISED STEEL CONDUITS TO SAME SHALL BE RECESSED IN STUD PARTITIONS/DRY LINING OR CHASED INTO MASONRY WALLS IF NECESSARY – LIAISE WITH MAIN CONTRACTOR. INTUMESCENT FIRE PADS TO BE FIXED TO THE REAR OF BACK BOXES RECESSED IN STUD PARTITIONS. THE INTEGRITY OF THE FIRE RATED PARTITIONS MUST BE MAINTAINED.
12. SURFACE MOUNTED CONDUIT OR CONTAINMENT DROPS ARE NOT ACCEPTABLE IN THE SEN AREA.
13. SURFACE MOUNTED ELECTRICAL OUTLETS, CONNECTION UNITS, SWITCHES AND DEVICES IN MAIN STREAM AREAS SHALL HAVE METALCLAD FINISH WITHOUT KNOCKOUTS AND TCD PART 'M' COMPLIANT FRONT PLATES UNLESS INDICATED OTHERWISE.
14. SURFACE MOUNTED GALVANISED STEEL CONDUIT DROPS ARE NOT ALLOWED IN CORRIDORS AND CIRCULATION AREAS UNLESS AGREED OTHERWISE BY THE DESIGN TEAM. CONDUIT DROPS IN CORRIDORS AND CIRCULATION AREAS SHALL GENERALLY BE IN AN ADJACENT ROOM OR RECESSED IN STUD PARTITIONS/DRY LINING OR CHASED INTO MASONRY WALLS IF NECESSARY – LIAISE WITH MAIN CONTRACTOR.
15. THE FIRE ALARM & DETECTION SYSTEM CABLING SHALL BE CARRIED IN DEDICATED CONTAINMENT.
16. ALL ELECTRICAL TRUNKING/TRAY PENETRATIONS THROUGH WALLS AND FIRE COMPARTMENTS SHALL BE C/W SUITABLE INTUMESCENT PADS/PILLOWS TESTED TO BS476 PART 22.
17. ANNULAR SPACE IN STEEL CONDUITS AT COUPLERS WHERE THEY CONNECT TO OUTLETS, SWITCHES AND DEVICES IN HEATED SPACES MUST BE SEALED WITH A SUITABLE MASTIC TO PREVENT ENTRY OF WARM HUMID AIR AND POTENTIAL FOR CONDENSATION WITHIN THE ELECTRICAL CONTAINMENT SYSTEM.
18. THIS DRAWING INDICATES PROPOSED PRIMARY ELECTRICAL CONTAINMENT ROUTES ONLY.

ELECTRICAL CONTAINMENT LEGEND:

- PROPOSED ROUTE OF CABLE LADDER/TRAY FOR SUBMAINS CABLING - SIZE AS INDICATED
- PROPOSED ROUTE OF CABLE TRUNKING FOR LV CABLING - SIZE AS INDICATED
- PROPOSED ROUTE OF CABLE TRUNKING FOR DC CABLING - SIZE AS INDICATED
- PROPOSED ROUTE OF CABLE TRAY FOR ELV/COMMS CABLING - SIZE AS INDICATED
- PROPOSED ROUTE OF CABLE TRAY FOR FIRE ALARM CABLING - SIZE AS INDICATED
- EXISTING ROUTE OF RISING MAINS TO PREFAB UNIT - TO BE DIVERTED

Revision	Description	Date	Drawn	Checked
T1	Tender Issue	16.10.26	NB	JG

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project title:
Lackagh National School
SEN Upgrade

drawing title:
Electrical Layouts
Protective Services

architect:
MCOH Architects

scale:
1-50 @A1

drawing number:
E105