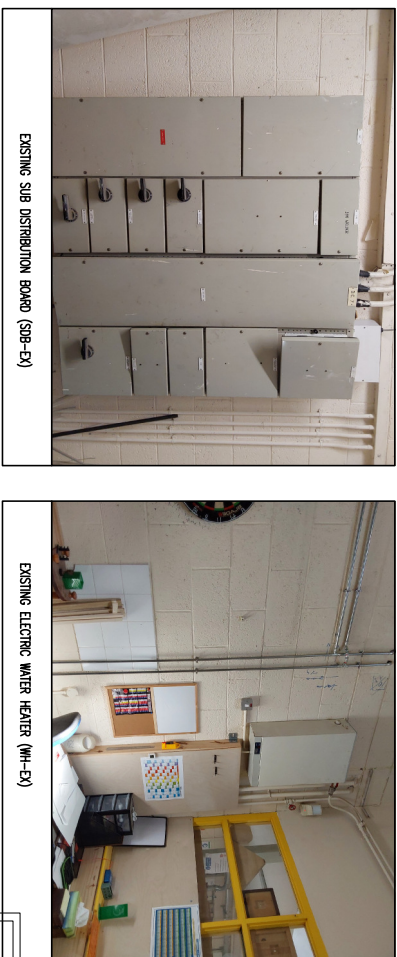
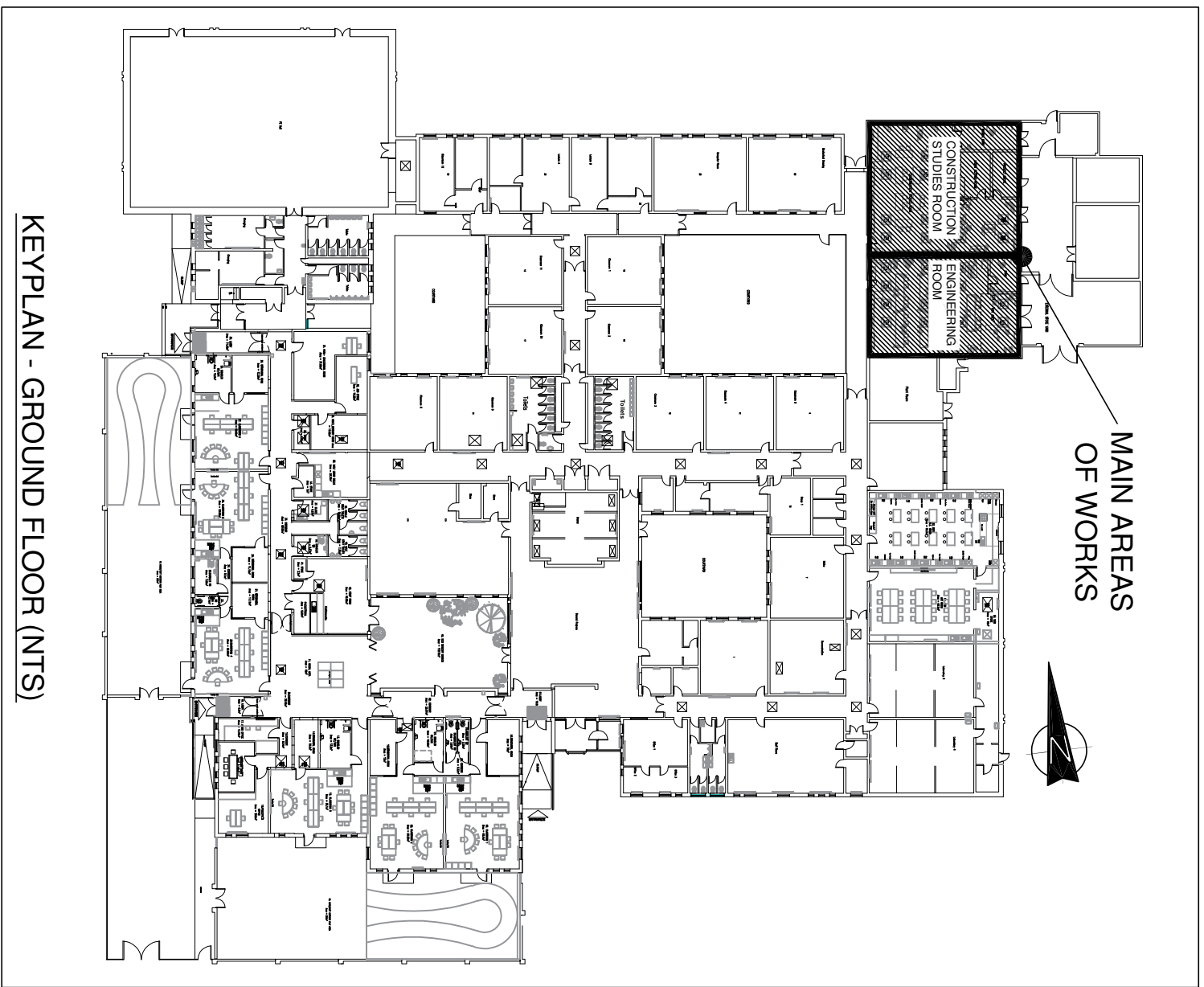
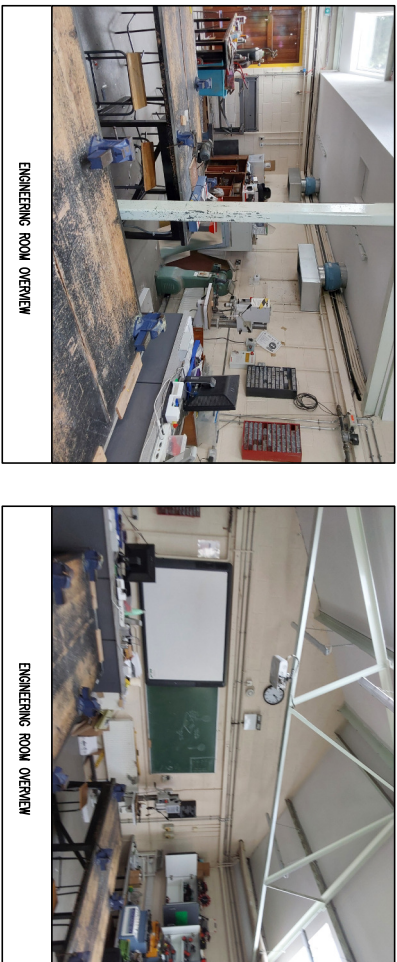


[illegible]

EXISTING, NEW POWER DISTRIBUTION BOARD
THE NEW SUB POWER DISTRIBUTION IN THE WOODWORK AND
ENGINEERING, ROOM
WOODWORK, SUB DISTRIBUTION BOARD SHALL BE SUPPLIED FROM
THIS EXISTING DB - MODIFY & EXTEND AS REQUIRED TO ACCEPT
NEW 100A TRIP MOCS FOR SAME
THE NEW SUB POWER DISTRIBUTION IN THE ENGINEERING, ROOM
SHALL BE SUPPLIED FROM THIS EXISTING DB - MODIFY & EXTEND
AS REQUIRED TO ACCEPT A NEW 100A TRIP MOCS FOR SAME



- EXISTING WMA FOR ALARM CONTROL PANEL – REMOVED
- ALARM FOR DROPPING & RETURNING THE EXHAUST ADJUSTABLE VALVES IS REQUIRED TO CAUSE FOR DEINSTALLATION OF EXISTING DEVICES
- THE EXISTING WMA FOR EXHAUST ADJUSTABLE VALVES IS REQUIRED TO BE REMOVED
- THE PRE ALARM SYSTEM SHALL BE TESTED & RE-COMMISSIONED FOLLOWING COMPLETION OF WORKS.
- THE EXISTING PRE ALARM & DETECTION SYSTEM MUST REMAIN OPERATIONAL AT ALL TIMES FOR THE DURATION OF THE WORKS. ALL ADJUSTMENTS TO THE EXISTING PRE ALARM SYSTEM SHALL BE ORIGINATED AT A SCHEDULED TIME & BE CECED – ALLOW FOR THE EXISTING CONTRACTORS SHALL ALLOW FOR TEMPORARY RE-COMMISSIONING THE PRE ALARM SYSTEM IS REQUIRED TO FACILITATE THE ELECTRICAL CONTRACTORS SHALL ALLOW FOR TEMPORARY COMPLETION OF WORKS
- THE EXISTING CONTRACTORS SHALL ALLOW FOR TEMPORARY RE-COMMISSIONING THE PRE ALARM SYSTEM IS REQUIRED TO FACILITATE THE ELECTRICAL CONTRACTORS SHALL ALLOW FOR TEMPORARY COMPLETION OF WORKS
- THE EXISTING CONTRACTORS REQUIRED TO VERIFY THE EXISTING BUILDING'S TO DETERMINE THE EXACT LOCATION'S OF THE EXISTING EXISTING PANELS.

A	Tender Issue	29-Jun-2026	KM
Revision	Description	Date	Drawn
			Checked

STUDIO 22,
WATERFORD BUSINESS PARK,
CORK ROAD,
WATERFORD,
IRELAND.
TEL: 051-879571
FAX: 051-853184
EMAIL: info@geaneyengineering.ie

project title:
Climate Action Summer Works Scheme
Construction Studies & Engineering Room
Refurbishment at
Rath Dara Community College,
Blanchardstown, Dublin 15, Co. Dublin

Existing Electrical General Services Layout

scale:
1:200 @A1

architect:
Dermot F Geoghegan Architects LTD

project number:	drawing number:
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0839	Volume A. 3.3 - EL1
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- 1) Do not scale services equipment from this drawing.
- 2) All dimensions should be checked on site.
- 3) Any drawing errors or discrepancies 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.

DE-INSTALLATION NOTES:

THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR DISCONNECTING & REMOVING OFF SITE ALL EXISTING GENERAL SERVICES & SMALL POWER WITHIN THE MAIN AREAS OF WORKS TOGETHER WITH ALL OBSOLETE CABLING, CONTAINMENT, FIXINGS & SUPPORTS UNLESS INDICATED OTHERWISE.

THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL NECESSARY MODIFICATIONS TO THE EXISTING GENERAL SERVICES & SMALL POWER INFRASTRUCTURE AS REQUIRED TO FACILITATE THE PROPOSED WORKS.

THE ELUXENT OF THE EXISTING GENERAL SERVICES & SMALL POWER INSTALLATIONS ARE NOT INDICATED ON THIS DRAWING. ALL EXISTING GENERAL SERVICES & SMALL POWER INDICATED MUST BE VERIFIED BY THE ELECTRICAL CONTRACTOR. IT SHALL BE THE ELECTRICAL CONTRACTORS RESPONSIBILITY TO CARRY OUT A SURVEY TO TRACE AND IDENTIFY ALL EXISTING GENERAL SERVICES & SMALL POWER IMPACTED BY THE PROPOSED WORKS.

THE ELECTRICAL CONTRACTOR MUST TRACE
END-TO-END, VERIFY USAGE AND MAKE SURE ALL
EXISTING CABLING IN THE AREAS OF WORKS PRIOR TO
COMMENCING DE-INSTALLATION
WORKS/MODIFICATIONS,
ISOLATE AND PHYSICALLY DISCONNECT EXISTING LV
SLEAMANS AND LV SUB-CIRCUITS AT RESPECTIVE
POWER DISTRIBUTION BOARDS AS REQUIRED PRIOR
TO COMMENCING DE-INSTALLATION
WORKS/MODIFICATIONS.

EXISTING CABLING RUNNING THROUGH THE MAIN AREAS OF WORKS WHICH SERVES ELECTRICAL INFRASTRUCTURE IN OTHER AREAS WHICH IS TO BE RETAINED SHALL BE IDENTIFIED, LABELED AND SUITABLY PROTECTED DURING WORKS - ANY EXISTING CABLING WHICH IS NOT MECHANICALLY PROTECTED SHALL BE DIVERTED INTO NEW GALVANISED STEEL CONFINEMENT.

ALL MODIFICATIONS TO THE EXISTING ELECTRICAL SERVICES INFRASTRUCTURE SHALL BE REVIEWED WITH THE BUILDING SERVICES ENGINEER PRIOR TO COMMENCING WORKS.

EXISTING ELECTRICAL SERVICES INFRASTRUCTURE IN THE AREAS OF WORKS WHICH IS TO BE RETAINED SHALL BE SUITABLY PROTECTED DURING WORKS. ALLOW FOR RECOMMISSIONING ALL EXISTING SYSTEMS AFFECTED BY THE WORKS.

THE SCHOOL AUTHORITY SHALL BE DEEMED AWARE THAT ELECTRICAL SERVICES MAY BE OUT-OF-USE AT TIMES IN AREAS OF THE BUILDING OUTSIDE THE MAIN AREAS OF WORKS - THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR OUT-OF-HOURS WORKS TO AVOID IMPACTING SERVICES DURING SCHOOL OFFICE HOURS.

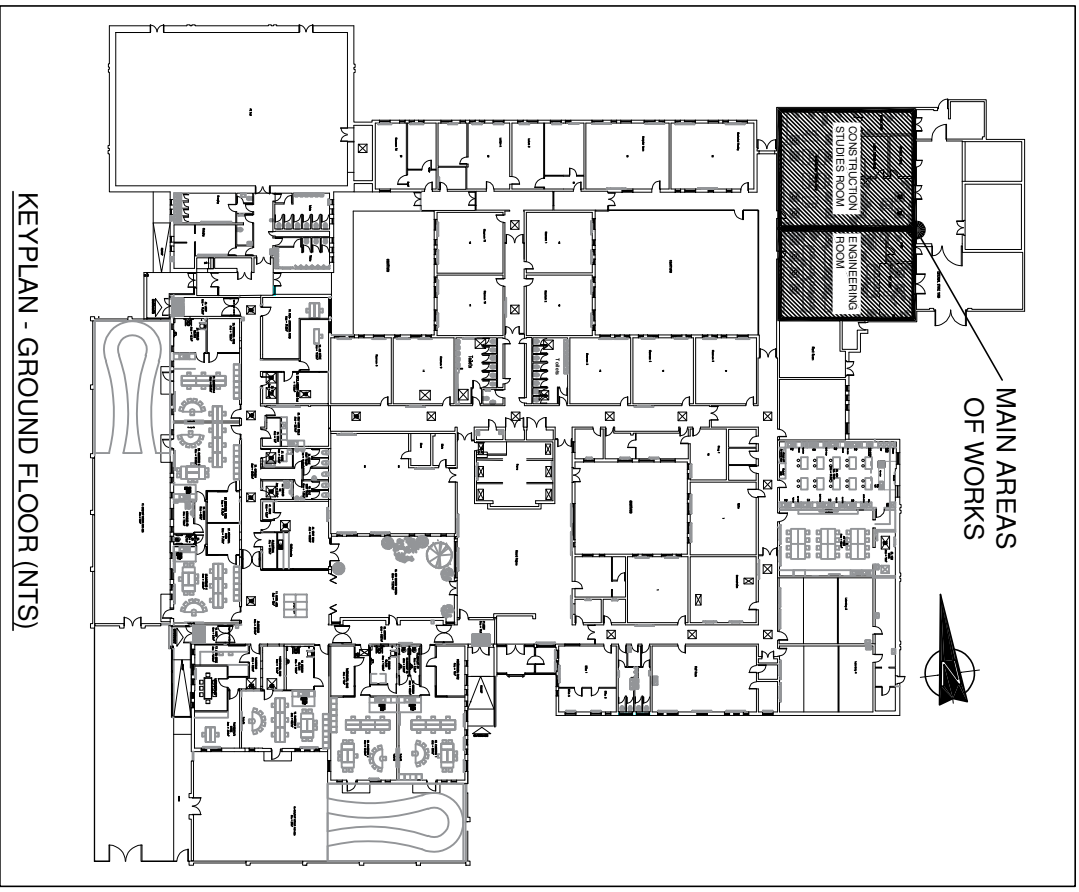
THE CONTRACTOR IS STRONGLY RECOMMENDED TO VISIT SITE PRIOR TO TENDER TO SURVEY THE AREAS OF WORKS AND FAMILIARISE THEMSELVES WITH THE SCOPE OF WORK INVOLVED WITH THE ABOVE AND ALL OTHER WORKS INDICATED ON THIS DRAWING AND THE ACCOMPANYING DRAWINGS TO ENSURE THAT ALL DUE ALLOWANCES AND NECESSARY COSTS ARE

ACCOUNTED FOR IN THEIR TENDER SUBMISSION. ADDITIONAL COSTS INCURRED DUE TO THIS EXPOSED CABLEING CARRIED OUT WILL NOT BE ACCEPTED.

ACCOUNTED FOR IN THEIR TENDER SUBMISSION -
ADDITIONAL COSTS INCURRED DUE TO THIS EXERCISE
NOT BEING CARRIED OUT WILL NOT BE ACCEPTED.

THE MAIN CONTRACTOR AND M&E CONTRACTORS SHALL LAISE PRIOR TO COMMENCING WORKS SUCH THAT:

- MINIMUM CLEAR SPACE OF 500mm IS MAINTAINED AROUND AND BELOW EACH SMOKE DETECTOR
- MINIMUM CLEAR SPACE OF 1000mm IS MAINTAINED BETWEEN MECHANICAL VENTILATION TERMINALS AND SMOKE DETECTORS



GENERAL NOTES

- 1) Do not scale services equipment from this drawing.
- 2) All dimensions should be checked on site.
- 3) Any drawing errors or discrepancies 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, ARCHITECTURE AND STRUCTURE DRAWINGS & SPECIFICATIONS.
2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SERVICES PRIOR TO COMMENCING WORK.
3. DO NOT SCALE THE 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. NOT BE ASSUMED FOR THE CONTRACTOR TO PROVIDE ALL SERVICES PRIOR TO COMMENCING WORK.
6. EXACT LOCATION OF ALL SERVICES SHALL BE ASSESSED WITH THE EMPLOYERS REPRESENTATIVE PRIOR TO COMMENCING WORK ON SITE.
7. ALL SERVICES AS SHOWN ON THIS DRAWING SHALL BE INCLUDED IN THE FINAL TENDER SERVICES ENGINEER PRIOR TO ORDERING.
8. ALL DIMENSIONS IN MILLIMETRES UNLESS SHOWN OTHERWISE.

FIRE ALARM & DETECTION NOTES:

1. THE FIRE ALARM SYSTEM SHALL COMPLY WITH I.S. 2718:2024.
2. ALL EQUIPMENT REQUIRED TO PROVIDE A COMPLETE AND WORKING FIRE ALARM SYSTEM AS INDICATED ON THE DRAWINGS IS TO BE SUPPLIED, INSTALLED AND COMMISSIONED UNDER THIS DRAWING.
3. ALLOW FOR RECOMMISSIONING THE ENTIRE EXISTING FIRE ALARM SYSTEM IN THE BUILDING'S FOLLOWING COMPLETION OF WORKS. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO START THE BUILDING/S TO DETERMINE THE EXACT LOCATION OF THE FIRE ALARM & DETECTION CABLES SHALL BE DRAWNED GRADE 120 IS SHOWN IN REVISION-1.
4. FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
5. FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
6. FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
7. FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
8. SURFACE MOUNTED DAMAGED STEEL CONDUIT DIPS ARE NOT ALLOWED IN CORRIDORS IN CORRIDORS AND LAYOUT TO THAT OF THE CABLES (DAMAGED GRADE 120). THE MINIMUM DRAIN OF CABLES TO BE 1:100 MINIMUM DRAIN. THEY SHALL BE 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
9. ALL FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
10. FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
11. FIRE ALARM & DETECTION CABLES SHALL BE PROTECTED BY 25mm THICK CONCRETE OR 30mm THICK STEEL PLATE.
12. THE MAIN CONTRACTOR AND M&E CONTRACTORS SHALL LAISE PRIOR TO COMMENCING WORKS SUCH THAT CLEAR SPACE OF 500mm IS MAINTAINED AROUND AND BELOW – MINIMUM CLEAR SPACE OF 1000mm IS MAINTAINED BETWEEN MECHANICAL VENTILATION TERMINALS AND SMOKE DETECTORS.

INTERIOR ALARM NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL INSTALL AND COMMISSION A FULLY MONITORED INTERIOR ALARM SYSTEM.
2. THE INTERIOR ALARM (AND FIRE ALARM) SHALL BE CONNECTED TO A REMOTE 24-HOUR MONITORING STATION.
3. ALL SURFACE MOUNTED INTERIOR ALARM CABLES SHALL BE CONCEALED IN PLASTIC TUBING, LOW VOLTAGE COMPARTMENTS OR ATTACHED TO CABLE TRAY.
4. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR INTERIOR ALARM EXPANDED UNITS AS REQUIRED.
5. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR POWER SUPPLIES & ELECTRICAL CONNECTIONS TO ALL INTERIOR ALARM DEVICES EQUIPPED.
6. INTERIOR ALARM KEYPAD SHALL FINISH FLUSH C/W RECESSED GALVANIZED STEEL BACKBOX OR CHASED INTO MASONRY WALLS & ACCESSIBLE TO ALL. IT SHALL BE LAID WITH MAIN CONTRACTOR'S INTERFERENCE PRIOR TO BE FIXED TO THE BACK OF BOX BOXES RECESSED IN STUD PARTITIONS. THE HEIGHT OF THE FIRE ALARM PARTITIONS MUST BE MAINTAINED.

FIRE ALARM & DETECTION LEGEND:

- SMOKE DETECTOR
- SMOKE DETECTOR WITH SOUNDER BASE
- SMOKE DETECTOR WITH SOUNDER BASE & LED STROBE
- MANUAL CALL POINT (BREAKABLE WA KEY)
- FIRE ALARM INTERFACE UNIT

INTERIOR ALARM LEGEND:

- INTERIOR ALARM DUAL TECH PASSIVE INFRA-RED WINDOW DETECTOR

Revision	Description	Date	Drawn	Checked
A	Tender Issue	29-Jan-2025	KM	JG

GEANEY ENGINEERING CONSULTANTS

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DUBLIN 15
TEL: 01-4939771
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EMAIL: info@geaney.ie

project title:
Climate Action Summer Works Scheme
Construction Studies & Engineering Room
Refurbishment at
Rath Dara Community College,
Blanchardstown, Dublin 15, Co. Dublin

drawing title:

Proposed Fire Alarm & Detection
and Protective Services Layout

scale:
1:100 @ A1

architect:
Dermot F Geaney Architects LTD

project number:
0839

drawing number:
Volume A. 3.3 - EL103

GENERAL NOTES

- 1) Do not scale services equipment from this drawing.
- 2) All dimensions should be checked on site.
- 3) Any drawing errors or discrepancies 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:

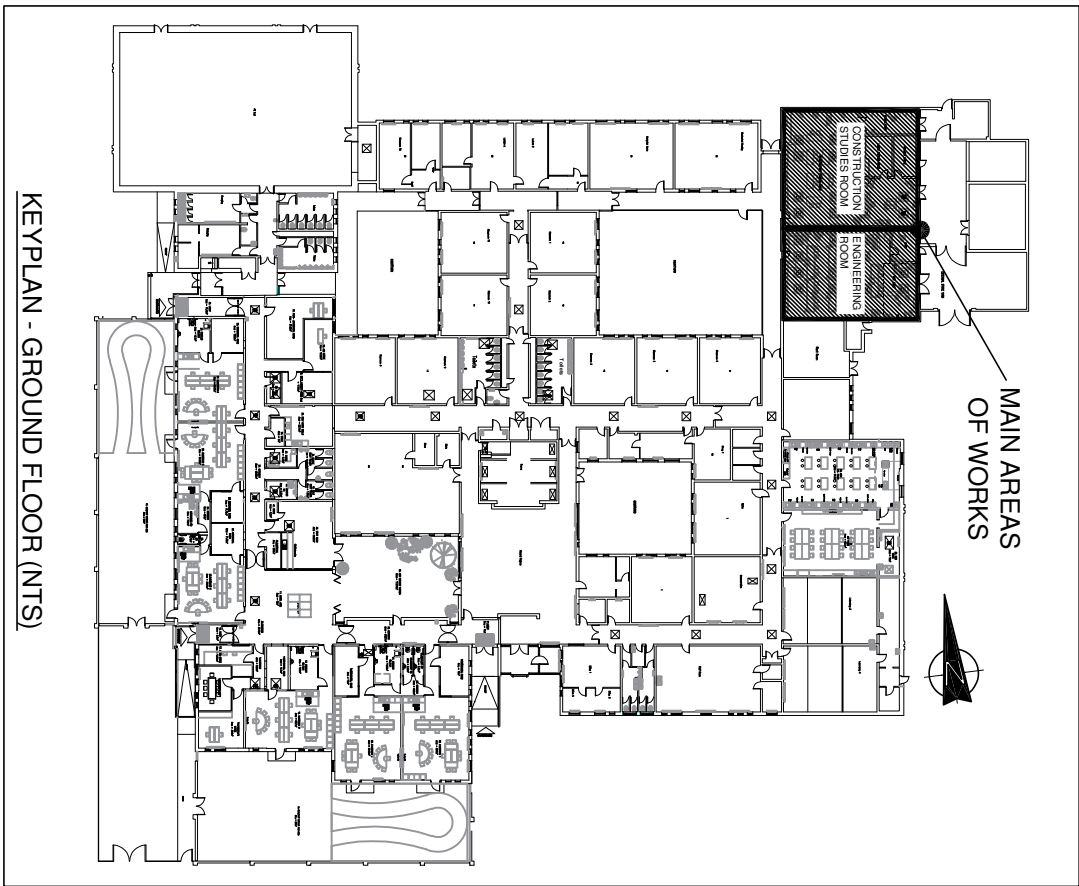
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE ELECTRICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES FITLY WITH ALL TRADES BEFORE COMMENCING WORK.
3. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS SHALL BE TAKEN ON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

GAS DETECTION NOTES:

1. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL WIRING FOR THE GAS DETECTION SYSTEM.
2. ALL ELECTRICAL WIRING TO GAS PANELS AND ASSOCIATED GAS EQUIPMENT SHALL BE AS DESIGNED BY THE ENGINEER.
3. MECHANICAL AND ELECTRICAL CONTRACTORS SHALL LIFT AND REMOVE FOR INTERFACE BETWEEN GAS SAFETY INSULATIONS AND ELECTRICAL INSULATIONS.
4. ALL WALL MOUNTED DEVICES SHALL BE FLUSH MOUNTED C/W DAMAGED STEEL PARTITIONS/ACCESSIBLE IN OPEN LAMINATED INTO MASONRY WALLS. ALLOW FOR MINIMUM 200mm FREE SPACE TO THE REAR OF BOX BOXES WHICH PREVENTS STUD WALLS.

LEGEND:

-  GAS DETECTOR
-  CARBON MONOXIDE DETECTOR
-  GAS PIPING PANEL (KEY OPERATED) C/W INTEGRAL EMERGENCY GAS KNOCK OUT POINT
-  MASTER GAS PRESSURE PIPING PANEL (KEY OPERATED) C/W 7 DAY TIME CLOCK CONTROL - INTERFACED WITH FIRE ALARM SYSTEM
-  GAS SOLENOID VALVE
-  GAS EMERGENCY KNOCK OUT POINT



Revision	Description	Date	Drawn	Checked
A	Tender Issue	29-Jun-2026	KM	JG



**GEANEY
ENGINEERING
CONSULTANTS**

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project title:
Climate Action Summer Works Scheme
Construction Studies & Engineering Room
Refurbishment at
Rath Dara Community College,
Blanchardstown, Dublin 15, Co. Dublin

drawing title:

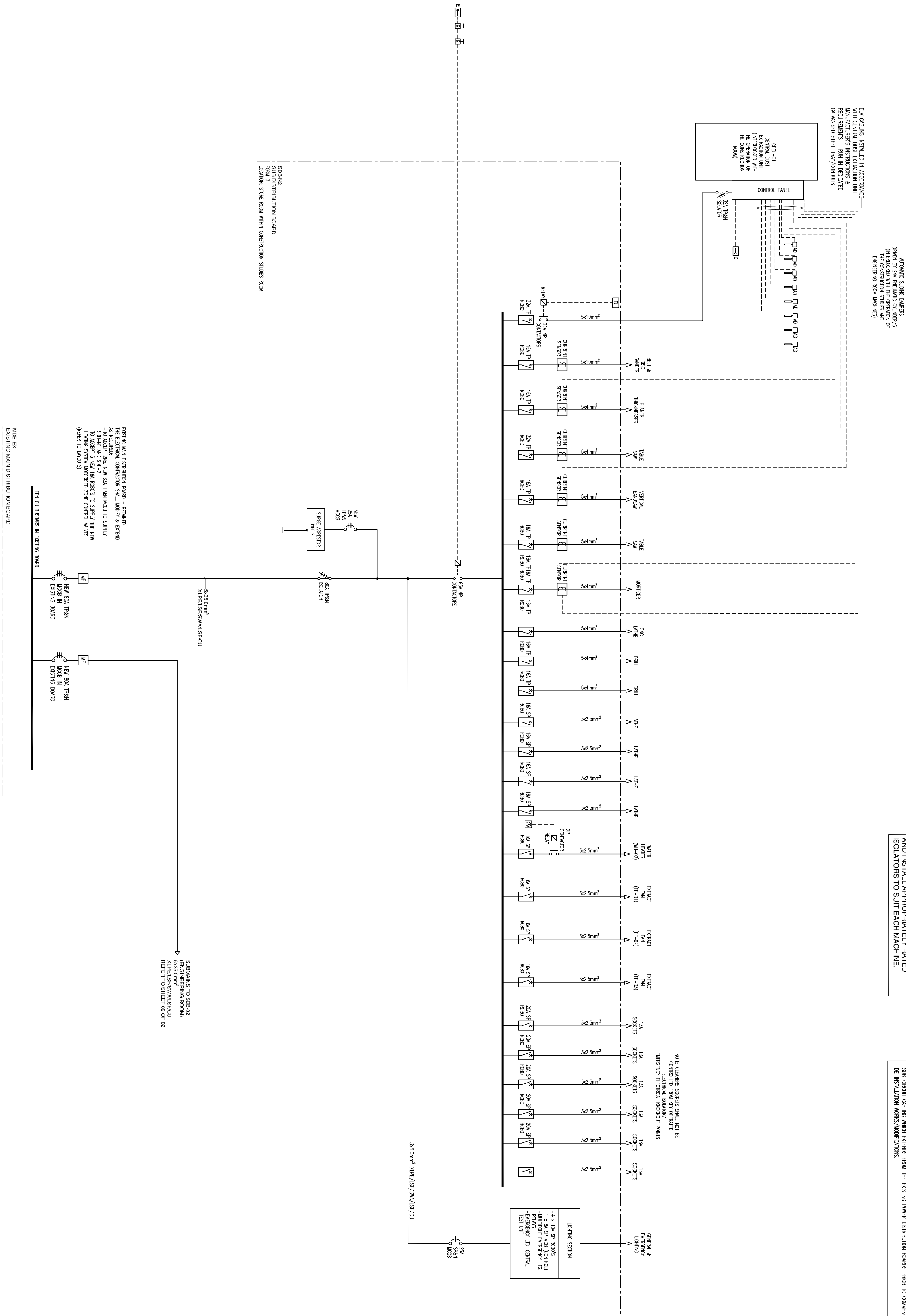
Gas Detection Layout

scale:
1:100 @ A1

architect:
Dermot F Geaney
architects LTD

project number:
0839

drawing number:
Volume A.3.3 - EL104



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 Geacny Engineering Consultants at the address shown below.
- 4) Drawing to be read in conjunction with all other drawings and documentation

NOTES:

1. ELECTRICAL INSTALLATION SHALL BE INSTALLED & CERTIFIED IN ACCORDANCE WITH I.S. 10101: 2020 NATIONAL RULES FOR ELECTRICAL INSTALLATIONS.
2. ANY SINGLE PHASE CIRCUIT FED DIRECTLY FROM A THREE PHASE DISTRIBUTION BOARD SHALL HAVE THE APPROPRIATE PHASE COLOUR EXTENDED INTO THE SINGLE PHASE CIRCUITS FED FROM THAT PHASE.

4. EXTERNAL FACADE MOUNTED LIGHTING CIRCUITS, & CAR PARK LIGHTING CIRCUITS

ARE TO BE CONTROLLED BY PHOTOCELL, TIME CLOCK AND KEY OPERATED HAND-OFF-AUTO SWITCHES. SEPARATE 24-7 TIMERS ARE REQUIRED FOR CAR PARK AND FACADE MOUNTED LIGHTING.

3. THE SECOND SYSTEM SHALL BE LINKED TO THE FACADE MOUNTED LIGHTING. ACTIVATION OF INTRUDER ALARM SHALL SWITCH ON EXTERNAL LIGHTS ON BUILDING FACADE DURING HOURS OF DARKNESS.

7. INTRUDER ALARM PANEL LINKED TO FIRE ALARM PANEL FOR MONITORING PURPOSES.

9. SURGE PROTECTION TO BE INSTALLED, SEE SPECIFICATION FOR FURTHER DETAILS.

11. ALL MCGR'S TO BE PLUG IN TYPE 10. BUSBAR SYSTEM TO BE PROPRIETARY TYPE TESTED SYSTEM WITHIN ITS OWN COMPARTMENT WITH FRONT ACCESS.

13. ALL CONTACTORS INSTALLED SHALL BE SUPPLIED C/W SUITABLY RATED OVERLOADS.

14. THE ELECTRICAL CONTRIBUTION TO CHECK ALL QUANTITIES FROM TO ORDER OF DISTRIBUTION BOARDS.

16. ALLOW FOR MULTI-FUNCTION METER TO ALL SWITCHGEAR – RESPECTIVE SERVICES.

18. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR EQUIPOTENTIAL BONDING TO COMPLY WITH CURRENT ETC REGULATIONS.

20. ALL CIRCUITS SHALL BE PROTECTED BY AN RCBO.

ABBREVIATIONS:

ROBO
RESIDUAL-CURRENT CIRCUIT BREAKER
WITH OVERCURRENT PROTECTION

INNOVATIVE **MODULAR** **VERSATILE** **UNIVERSAL**

SWA **STEEL WIRE ARMoured**

20	LOW SMOKE FLAME	20	COOPER CONDUIT/700
21	LSF	21	CROSS LINKED POLYETHYLENE

TP	THREE PHASE
SP	SINGLE PHASE

TPAN	THREE PHASE & NEUTRAL
SPAN	SINGLE PHASE & NEUTRAL

PPC	POWER FACTOR CORRECTION
CT	CURRENT TRANSFORMER

HAND-OFF-AUTO SWITCH

LEGEND:

 SINGLE PHASE & NEUTRAL ISOLATOR - RATING AS INDICATED

THREE PHASE & NEUTRAL ISOLATOR – RATING AS INDICATED

SINGLE PHASE & NEUTRAL MOLDED CASE CIRCUIT BREAKER
- RATING AS INDICATED

THREE PHASE & NEUTRAL MOLDED CASE CIRCUIT BREAKER
- RATING AS INDICATED

CONNECTION TO EARTH

EMERGENCY KNOCKOUT POINT - ELECTRICAL SUPPLY

 KEY OPERATED ELECTRICAL ISOLATOR

 KEY OPERATED ELECTRICAL ISOLATOR
- CENTRAL DUST EXTRACT SYSTEM

 DIGITAL TIMECLOCK

**MULTI-FUNCTION METER WITH MODBUS
OUTPUT CARD - LINKED TO BMS**

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Division	Description	Date	Drawn	Checked
A	1st Issue	27-Jan-2020	NM	JO

STUDIO 22,
WATERFORD BUSINESS PARK,
CORY ROAD

 **GEANEY**
ENGINEERING

WATERFORD,
IRELAND.

TEL: (0)1-879371

CONSULTANTS EMAIL: info@genzymeengineering.com

Climate Action Summer Works Scheme
Construction Studies & Engineering Room

Reinforcement at
Rath Dara Community College,

Bidichalastowil, Duomil 1,3, Co. Duomil

Proposed Electrical LV Schematic
Sheet 01 of 02

scale: **NTT0**

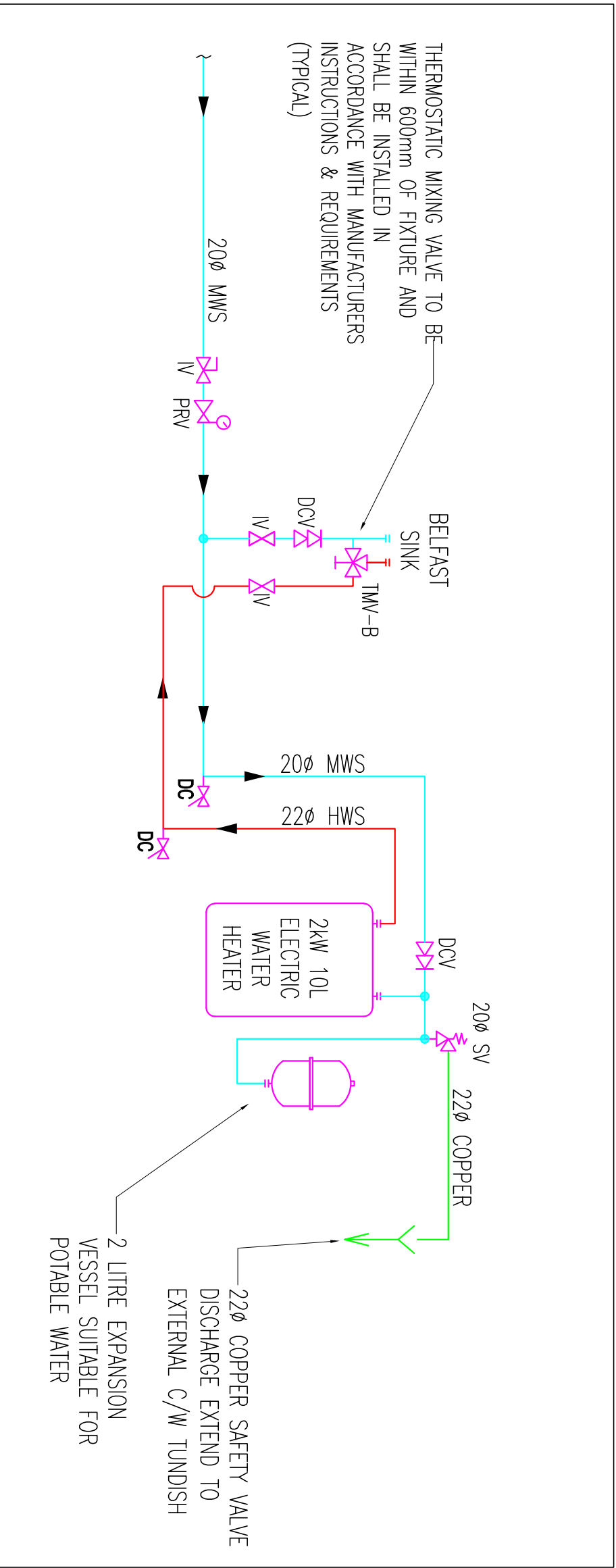
architect:
Dermot F Geoghegan Architects LTD

project number:	drawing number:
0000	

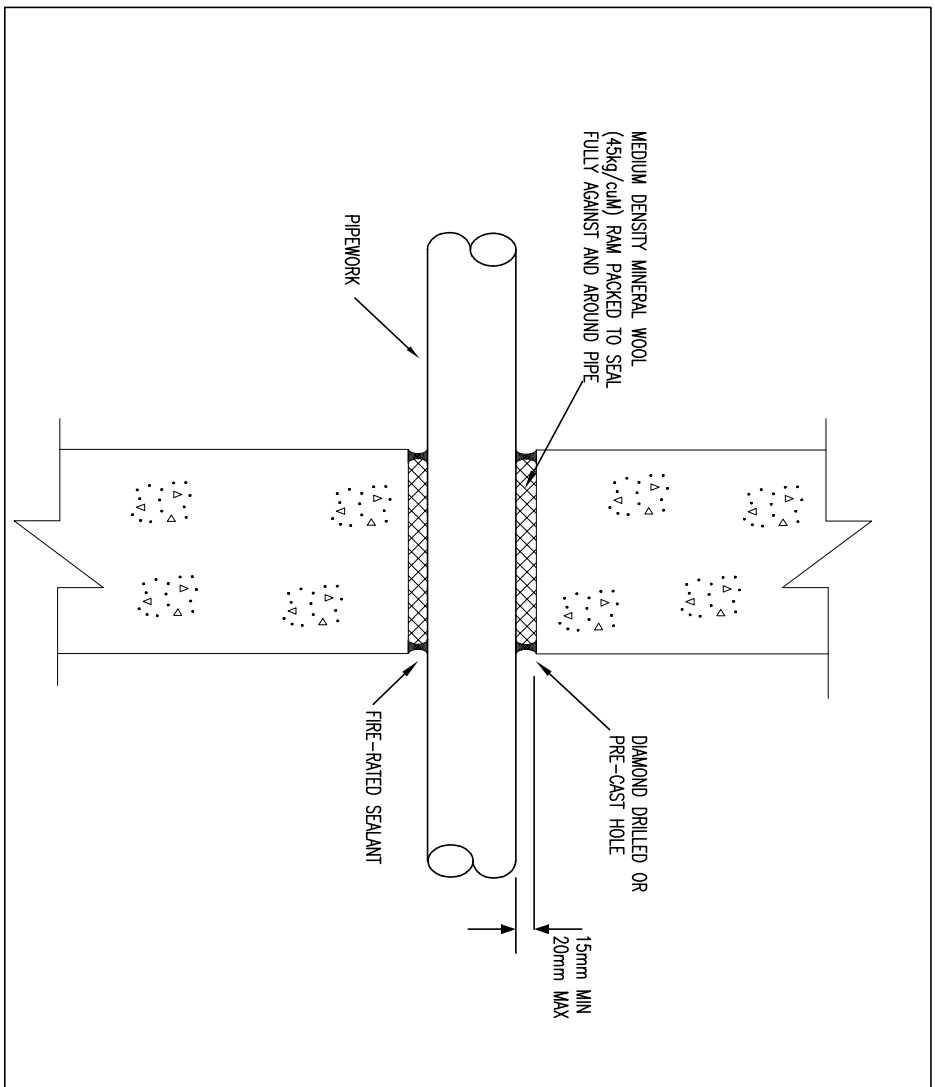
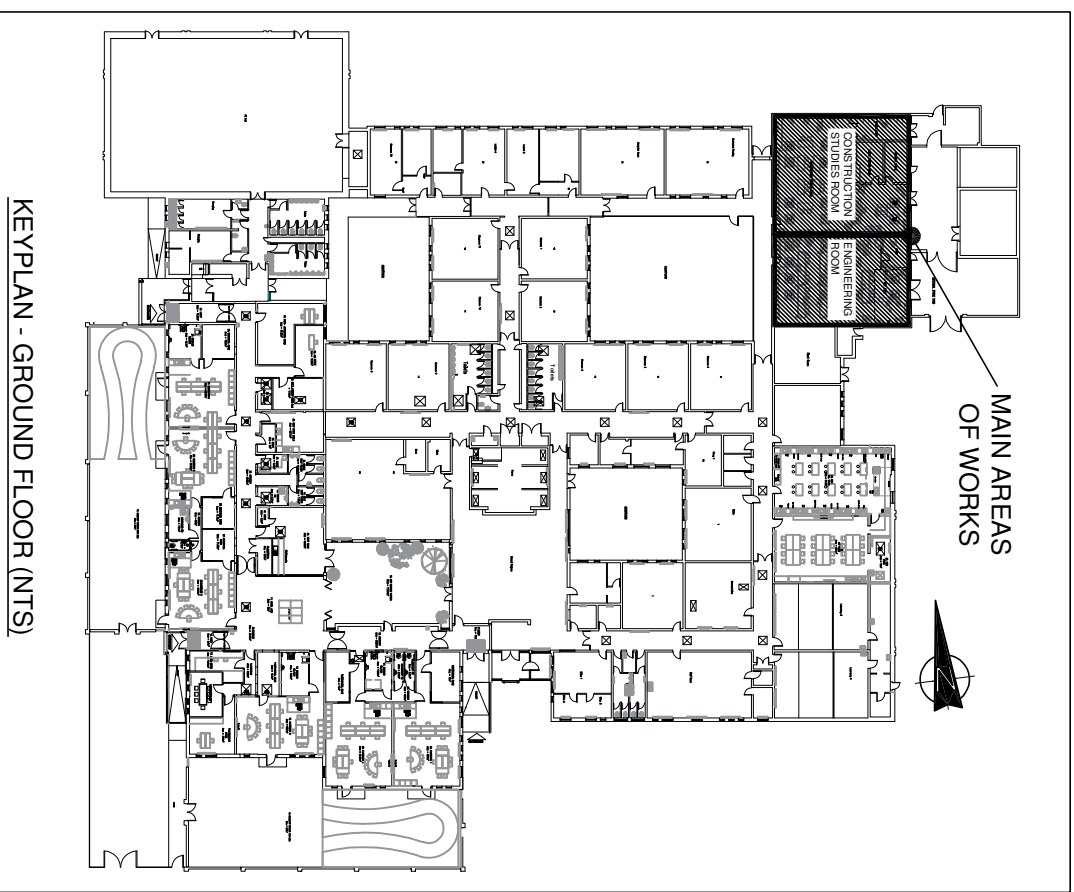
0037	Volume A. 3.3 - EL106
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SCHEMATIC LEGEND:

- | | |
|---|---|
|  | ISOLATION VALVE |
|  | ISOLATION VALVE - 1/4 TURN STOP COCK |
|  | DOUBLE CHECK VALVE |
|  | TMV3 APPROVED THERMOSTATIC MIXING VALVE
C/W INTEGRAL CHECK VALVES AND STRAINERS
- HORNE H10 RANGE OR EQUIVALENT |
|  | TMV3 APPROVED THERMOSTATIC MIXING VALVE
C/W INTEGRAL CHECK VALVES AND STRAINERS
- HORNE H20 RANGE OR EQUIVALENT |
|  | SAFETY VALVE - PADLOCK TYPE, SIZE AS INDICATED |
|  | DRAIN COCK |
|  | PRESSURE REDUCING VALVE C/W GAUGE
(FLOTER OR EQUIVALENT) |



DOMESTIC WATER SERVICES SCHEMATIC AT SINK IN RECONFIGURED CONSTRUCTION ROOM AND
ENGINEERING ROOM (NTS)



ALL SERVICE PENETRATIONS THROUGH FIRE-RATED ELEMENTS, INCLUDING WALLS, FLOORS, CEILINGS, AND SHAFTS, SHALL BE SEALED WITH FIRE RETARDING SEALANT TO MAINTAIN THE REQUIRED FIRE RESISTANCE PERIOD OF THE ELEMENT PENETRATED.

FIRE STOPPING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S TESTED DETAILS AND BY COMPETENT SPECIALIST

COORDINATION WITH THE FIRE STRATEGY AND ARCHITECTURAL DRAWINGS IS REQUIRED PRIOR TO INSTALLATION

GENERAL NOTES

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- 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. THE DRAWING SHALL BE MADE IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL, AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
2. THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE ALL SERVICES WITH ALL TRADES.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE SYSTEMS.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY INFORMATION TO ALLOW OWNER TO DETERMINE ALL SERVICES.
5. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION DEFICIENCY AND BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
6. EACH TRADE OF ALL SERVICES SHALL BE AGREED WITH THE EMPLOYERS FINAL DRAWING.
7. ALL SERVICES IS SHOWN ON THE DRAWING SHALL BE INCLUDED IN THE FINAL DRAWING.
8. SURETY OF ALL EQUIPMENT SHALL BE PROVIDED BY CLIENT, ARCHITECT AND BUILDING SERVICES ENGINEER PRIOR TO ORDERING.
9. ALL DIMENSIONS IN MULTIPLE STATES SHALL BE OBTAINED.

DOMESTIC WATER SERVICES NOTES

- [illegible]

10. MAINTAIN MINIMUM SEPARATION OF 300 WATER SERVICES PIPEWORK IN THE FIELD

- [illegible]

DOMESTIC WATER SERVICES LEGEND:

- | | | |
|---|----------|--|
| WATER SERVICES FUTURE OUTLET/CONNECTION | →→→ | |
| THERMOSTATIC MIXING VALVE - HORNE H2O RANCE OR | TM-B | |
| 2.0KW ELECTRIC WATER HEATER - REFER TO SCHEDULE | WH-
E | |

PPED

- FINAL POINTING NOTES:**
1. THE EMPLOYER'S INSTALLATION SHALL BE IN ACCORDANCE WITH IS-29170'S SECTION 4.00, CONDUITING, INSULATION, INSPECTION AND MAINTENANCE OF ELECTRICAL FIRE-PROTECTIVE SYSTEMS.
 2. LOCATED ALUMINUM IN THE FIELD SHALL BE IDENTIFIED BY THE EMPLOYER'S PERSONNEL.
 3. EMPLOYERS MUST NOT BE PLACED OVER OR ADJUNCT TO PLUMBING OR HEAT DRAINING APPLIANCES.
 4. EMPLOYERS MUST NOT BE LOCATED WHERE THEY MAY BE EXPOSED TO COMBUSTIBLE MATERIALS OR TO STEAMING IN CORROSION TUBES.
 5. ALL THE POINTS SHALL HAVE SUGGESTED LOCATIONS WHICH ALLOW LOCATIONS IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS.
 6. REPAIRS, PATCHES, AND REPAIRS SHOULD BE MADE TO THE POINTS IN A DIRECT MANNER.
 7. EMPLOYERS TO THIS SHALL BE SPECIFIED AFTER EACH EMPLOYER WHICH SPANS UPON THE WALLS AND VARIOUS IN ACCORDANCE WITH IS-29170'S.

FIRE FIGHTING LEGEND:

- **A** PORTABLE FIRE EXTINGUISHER - AFFF FOAM (6 LITRE CAPACITY)
- **B** PORTABLE FIRE EXTINGUISHER - CARBON DIOXIDE (2KG CAPACITY)

A	Tender Issue	29-Jun-2026	JG
Revision	Description	Date	Drawn Checked

STUDIO 22,
WATERFORD BUSINESS PARK,
CORK ROAD,
WATERFORD,
IRELAND.
TEL: 051-879571
FAX: 051-853184
EMAIL: info@geaneyengineering.ie

project title:
Climate Action Summer Works Scheme
Construction Studies & Engineering Room

Reinforcement at
Rath Dara Community College,
Blanchardstown, Dublin 15, Co. Dublin

drawing title:

Proposed Domestic Water Services Layout

scale:
1:100 @A1

architect:
Dermot E Geoghegan Architects LTD

project number:	drawing number:
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0839	Volume A. 3.3 - M102
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