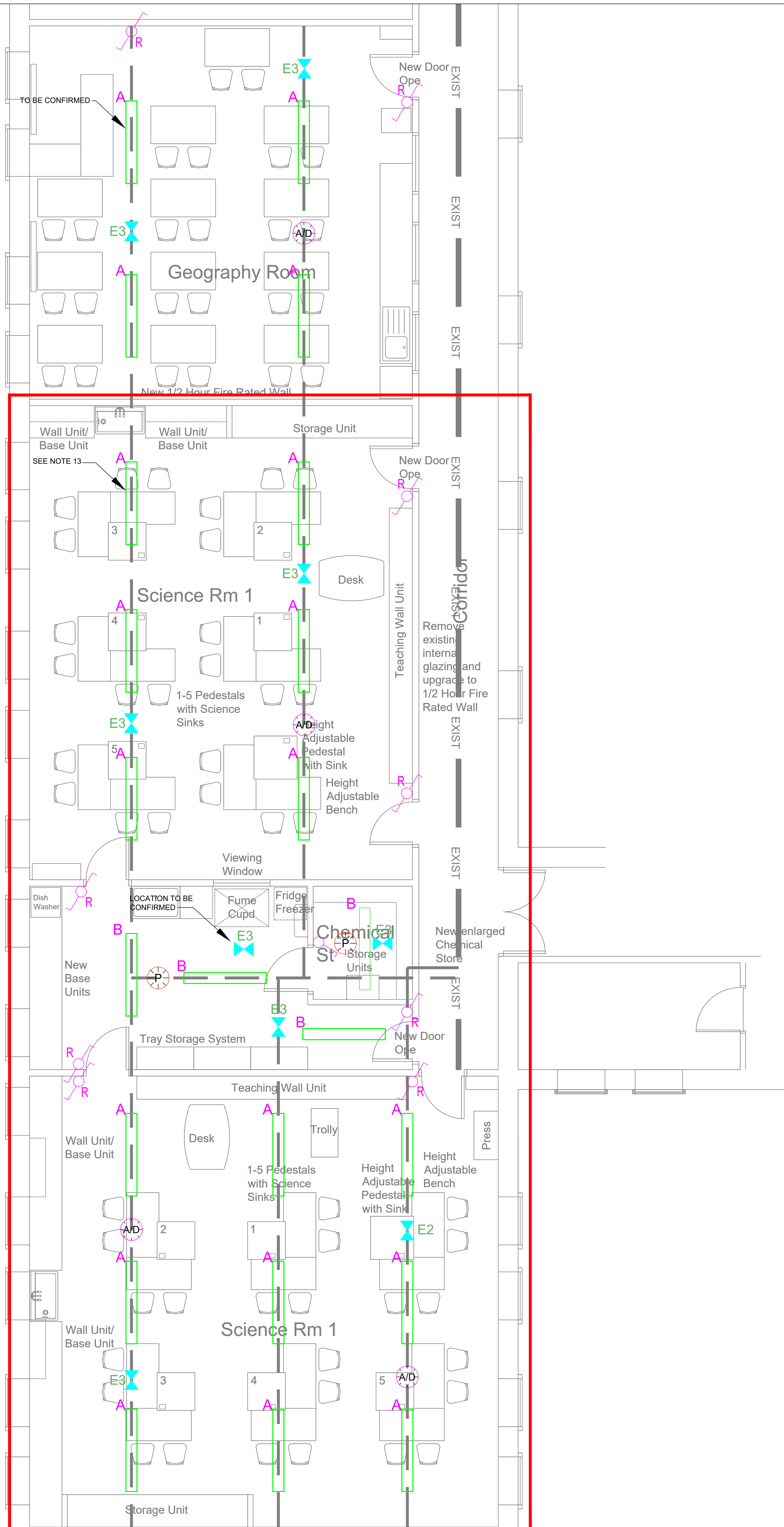


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- NOTES**
1. THE LIGHTING INSTALLATION SHALL COMPLY IN FULL WITH THE REQUIREMENTS OF NSAI IS10101 - NATIONAL RULES FOR ELECTRICAL INSTALLATIONS EDITION 5.0.
 2. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR SAFE REMOVAL OF THE ENTIRE EXISTING LIGHTING AND EMERGENCY LIGHTING INSTALLATION INCLUDING DISPOSAL OF EXISTING FITTINGS IN ACCORDANCE WITH WEEE IRELAND, REMOVAL OF EXISTING CABLING AND ASSOCIATED CONTROLS.
 3. ALL CABLING AND RCBO/MCB'S ASSOCIATED WITH THE EXISTING LIGHTING INSTALLATION SHALL BE SAFELY REMOVED.
 4. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTAINMENT, CONDUIT DROPS, BACK BOXES AND POWER SUPPLIES TO ALL ITEMS OF EQUIPMENT AS INDICATED ON ALL DRAWINGS. POSITIONS AND MOUNTING HEIGHTS OF ALL ITEMS SHOWN ARE INDICATIVE ONLY FOR PURPOSES OF TENDER. FINAL LOCATION OF ALL EQUIPMENT WILL HAVE TO BE AGREED WITH CLIENT/ARCHITECT PRIOR TO COMMENCEMENT OF FIRST FIX.
 5. ALL LIGHTING FINAL CIRCUIT WIRING SHALL BE CARRIED OUT USING LSF SINGLES CABLES AS SIZED AND DETAILED IN THE THE DISTRIBUTION BOARD SCHEDULES AND SHALL HAVE THE CORRECT COLOUR CODING.
 6. ALL ACCESSORIES SHALL BE FLUSH/SURFACE MOUNTED METAL CLAD PART M COMPLIANT AND SHALL MATCH THE SMALL POWER ACCESSORIES. ALL ACCESSORIES SHALL BE FROM THE SAME MANUFACTURER.
 7. THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT ALL CIRCUITS SWITCHED FROM THE SAME LIGHT SWITCH ARE FROM THE SAME PHASE.
 8. THE FINAL POSITIONS OF AL LIGHT FITTINGS MUST BE COORDINATED WITH THE MECHANICAL CONTRACATOR'S CEILING MOUNTED MVHR UNITS. ANY CHANGES FROM THE DESIGN LAYOUT MUST BE AGREED.
 9. ALL LIGHT FITTINGS SHALL BE SECURELY FIXED USING APPROPRIATE BRACKETS, FIXINGS AND SUPPORTS AS IS NECESSARY AND SHOULD NOT BE FIXED DIRECTLY TO THE SUSPENDED CEILING SYSTEMS.
 10. THE DIMMABLE LIGHTING THROUGHOUT INCLUDING THE CLASSROOMS, OFFICES AND ASSEMBLY SPACES SHALL BE SET AT THE LEVELS AS DETAILED IN THE SPECIFICATION AND THE DOES TECHNICAL GUIDANCE DOCUMENTS
 11. THE LIGHTING CONTROLS MANUFACTURER, WITH ASSISTANCE FROM THE ELECTRICAL CONTRACTOR SHALL CARRY OUT THE COMMISSIONING OF THE AUTOMATIC SENSORS WITHIN EACH ROOM AND SHALL COMPLETE A FULL COMMISSIONING CERTIFICATE AS OUTLINED IN THE SPECIFICATION.
 12. THE TWO POSITION RETRACTIVE TYPE LIGHT SWITCH SHALL BE USED TO CONTROL DIMMING OF THE LIGHTS IN ADDITION TO AUTOMATIC DIMMING VIA THE DIGITAL DIMMING SENSORS (DAYLIGHT & ABSENCE)
 13. ALL LIGHTING WITHIN CLASSROOM SPACES TO BE MOUNTED DIRECTLY ON EXISTING CONTAINMENT TRUNKING ALONG WITH ASSOCIATED A/D OR PRESENCE CONTROLS

- LIGHTING LEGEND**
- A** 1500mm Dali Dimmable Graduate Surface mounted IP20 Rated LED Luminaire 6582lm 42.1W >156.3lm/w
- B** 1500mm Dali Dimmable Graduate surface mounted IP20 Rated LED Luminaire 5184lm 34.6W >150lm/w
- LIGHTING CONTROLS LEGEND**
- 10A** 1 WAY SWITCH - SINGLE POLE
- 10A** 2 WAY SWITCH - SINGLE POLE
- 10A** TWO POSITION, RETRACTIVE PUSH SWITCH - ON / DIMMING UP, OFF / DIMMING DOWN
- 10A** TWO POSITION, 2WAY, RETRACTIVE PUSH SWITCH - ON / DIMMING UP, OFF / DIMMING DOWN
- 360°** CEILING MOUNTED PROGRAMMABLE PIR DETECTOR - PRESENCE/PRESENCE/DAYLIGHT - TO SUIT ROOM
- 360°** CEILING MOUNTED PROGRAMMABLE PIR DETECTOR - DAYLIGHT SENSOR AND ABSENCE DETECTOR
- EMERGENCY LIGHTING LEGEND**
- E3** NON-MAINTAINED IP65 LED EMERGENCY BULKHEAD c/w OPAL POLYCARBONATE DIFFUSER

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Where Architects details are shown on this drawing, these are indicative and reference should be made to the appropriate Architect's drawing.

Rev.	Date	Description	Eng.	App.

Drawing number.
PL-E63-001

Client.
SCOIL MHUIRE BUNCRANA

Architect.
**AL ARCHITECTS LTD
OFFICE 8B
THE COURTYARD
LOWER MAIN STREET
LETTERKENNY
CO.DONEGAL**

Project.
**REFURBISHMENT OF SCIENCE ROOMS
SCOIL MHUIRE BUNCRANA
CO.DONEGAL**

Service.
ELECTRICAL

Drawing Status.
TENDER



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Eng./CAD	LG	Checked.	MD
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Title.
**SCIENCE CLASSROOMS 1 & 2
SECOND FLOOR**

**GENERAL & EMERGENCY LIGHTING
LAYOUT**

Scale(s).	1:50 @ A1	Date.	MAY.2026
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Project Number.	6447	Revision.	T0
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Drawing number.
PL-E63-001