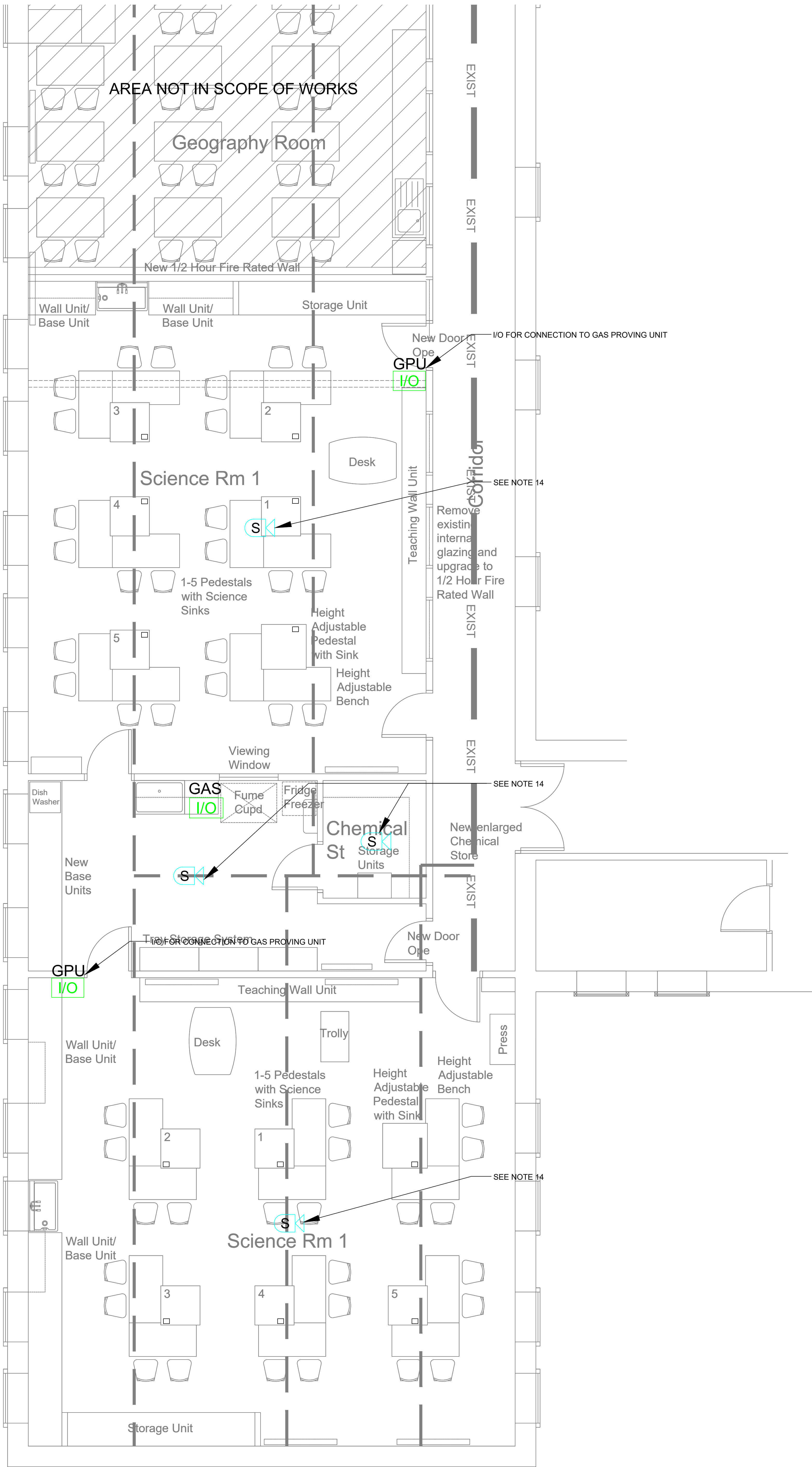




Proposed Floor Plan

FIRE ALARM NOTES

1. ALL ALTERATIONS TO THE EXISTING FIRE ALARM SYSTEM INSTALLATION SHALL COMPLY IN FULL WITH THE REQUIREMENTS OF IS 3218: 2013 + A1: 2019 - FIRE DETECTION AND ALARM SYSTEMS.
2. THE ELECTRICAL CONTRACTOR SHALL ENGAGE THE EXISTING INCUMBENT FIRE ALARM SPECIALIST INSTALLER TO MAKE ALL NECESSARY MODIFICATIONS AND ALTERATION TO THE FIRE ALARM SYSTEM AS PART OF THE PROPOSED REFURBISHMENT WORKS INCLUDING FOR THE REPLACEMENT OF CEILINGS AND FORMATION AND REPURPOSING OF ROOMS
2. THE ELECTRICAL CONTRACTOR SHALL ENGAGE THE EXISTING INCUMBENT FIRE ALARM SPECIALIST INSTALLER PRIOR TO CARRYING OUT ANY OF THE PROPOSED WORKS TO VERIFY THE EXISTING CONDITION OF THE FIRE ALARM PANEL AND SYSTEMS AND TO CONFIRM THAT THE PROPOSED WORKS CAN PROCEED WITHOUT REQUIRING ANY SIGNIFICANT ADDITIONAL WORKS TO THE EXISTING FIRE ALARM INSTALLATION
3. A SUITABLE MEANS OF FIRE DETECTION AND ALARM SHALL BE MAINTAINED FOR THE DURATION OF THE CONTRACT. THE EXISTING FIRE ALARM DEVICES ARE ONLY TO BE REMOVED ENTIRELY ONCE THE NEW DEVICES HAVE BEEN INSTALLED AND COMMISSIONED ON TO THE EXISTING FIRE ALARM SYSTEM.
4. A SUITABLE RAMS DOCUMENT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR TO BE AGREED WITH THE DESIGN TEAM FOR THE PROPOSED WORKS TO THE FIRE ALARM SYSTEM
5. 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.
6. ALL CABLES SHALL BE ROUTED THROUGH THE CONTAINMENT AS FAR AS POSSIBLE AND WITHIN 20mmØ GALVANISED STEEL CONDUIT SURFACE MOUNTED ON WALLS AS NECESSARY.
7. ALL INSTALLATION CABLING SHALL BE INSTALLED WITHIN THE WIRING ZONES AS PRESCRIBED WITHIN IS 3218: 2013 AND SHALL BE 1.5mm² PH120 ENHANCED CABLING. FIRE ALARM SPECIALIST TO CONFIRM.
8. SMOKE DETECTORS SHALL NOT BE MOUNTED WITHIN 500mm OF ANY WALLS OR PARTITIONS OR STORAGE RACKS REACHING TO WITHIN 300mm OF THE CEILING. THE ELECTRICAL CONTRACTOR SHALL TAKE PARTICULAR CARE WHEN LOCATING FIRE DETECTION DEVICES IN RELATION TO STRUCTURAL BEAMS AND PARTITIONS TO ENSURE FULL COMPLIANCE WITH IS3218:2013 + AMENDMENT 1:2019 SECTION 6.10.5.3
9. ALL MODIFICATION, AND ADDITIONS INCLUDING LABELING OF SAME SHALL BE COMPLETELY COMPATIBLE WITH THE EXISTING FIRE ALARM INSTALLATIONS AND SHALL BE CERTIFIED BY THE FIRE ALARM SPECIALIST
10. THE FIRE ALARM SYSTEM SHALL INCLUDE FOR THE INSTALLATIONS OF I/O RELAY UNITS FOR CONNECTIONS TO GAS PROVING SYSTEMS THE ELECTRICAL CONTRACTOR SHALL CONFIRM WIRING DETAILS FOR THESE FROM THE FIRE ALARM SUPPLIER
11. THE FIRE ALARM INSTALLATION SHALL BE CARRIED OUT BY AN APPROVED FIRE ALARM SPECIALIST. FINAL TESTING, COMMISSIONING AND HANDOVER OF THE FIRE ALARM SYSTEM MUST BE CARRIED OUT BY THE FIRE ALARM SPECIALIST IN ACCORDANCE WITH IS 3218: 2013 + A1: 2019 - FIRE DETECTION AND ALARM SYSTEMS.
12. ALL DEVICES SHALL BE LABELED WITH THE DEVICE IDENTIFICATION NUMBER ON A PRINTED TAG. HE DEVICES SHALL BE IDENTIFIED AS FOLLOWS: PANEL NUMBER/ZONE NUMBER/DEVICE NUMBER.
13. THE FIRE ALARM SPECIALIST SHALL MAKE ALL NECESSARY AMENDMENTS AND TO THE FIRE ALARM LOG BOOK AS WELL AS PROVIDING A MODIFICATION CERTIFICATE FOR ALL THE WORKS RELATING TO THE FIRE ALARM
14. FIRE ALARM CABLES TO BE EXTENDED IN GALVANIZED STEEL CONDUITS FIXED TO CEILING IN CLASSROOMS & PREP ROOMS DEVICES

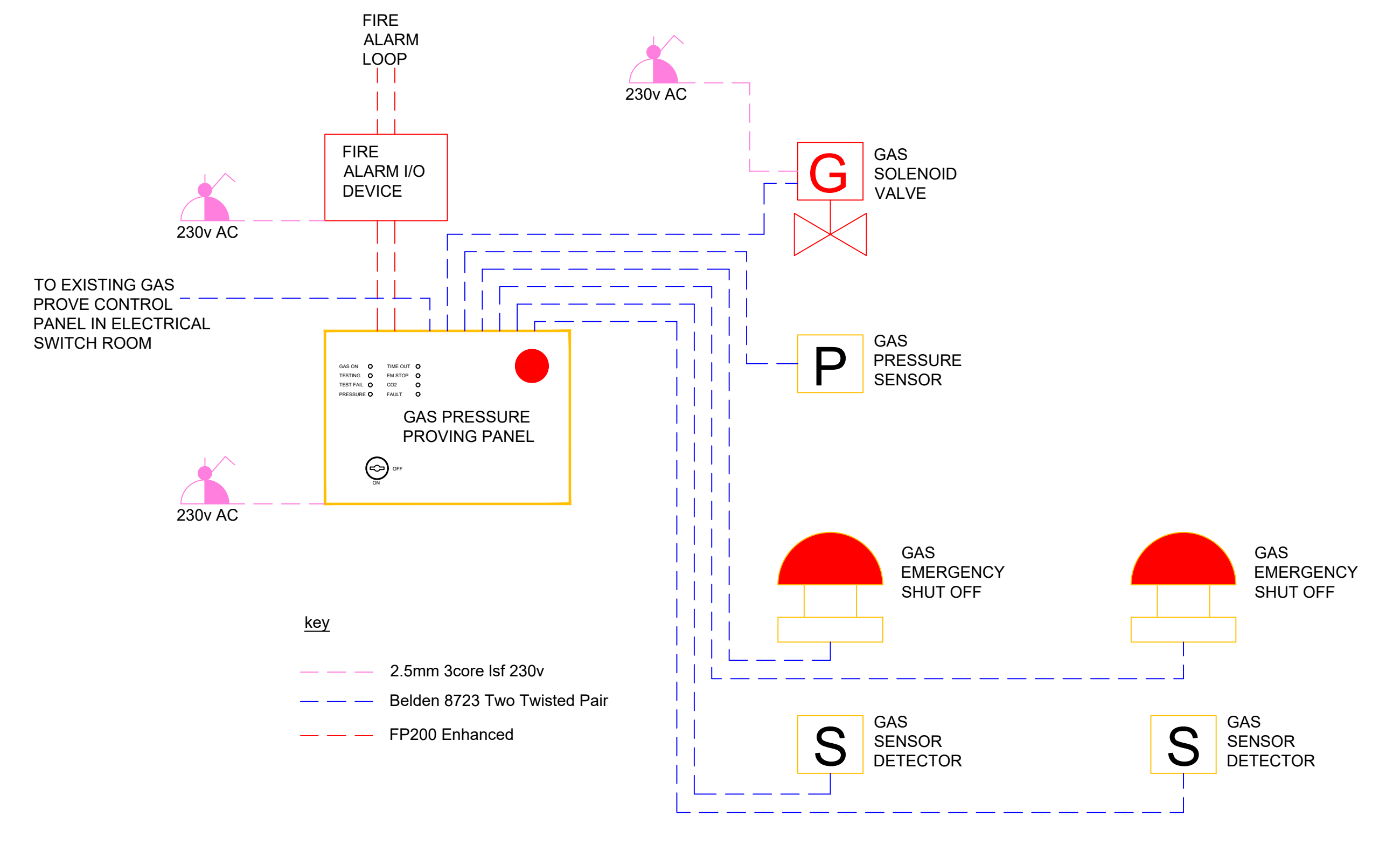
FIRE ALARM LEGEND

- FAP OPEN NETWORK ADDRESSABLE FIRE ALARM PANEL
- I/O INPUT/OUTPUT DEVICE
- S SMOKE DETECTOR
- SX COMBINED SMOKE DETECTOR & SOUNDER
- H HEAT DETECTOR
- HX COMBINED HEAT DETECTOR & SOUNDER
- Ri LED REMOTE INDICATOR (LINKED TO VOID DETECTORS)
- SV CEILING VOID SMOKE DETECTOR
- CK COMBINED CARBON MONOXIDE DETECTOR & SOUNDER
- CP ADDRESSABLE MANUAL CALL POINT c/w PROTECTIVE HINGED COVER.

ABBREVIATIONS

- GSV -GAS SOLENOID VALVE
- GPU -GAS PROVING UNIT

DETAIL B - GAS PROVING SYSTEM
TYPICAL WIRING SCHEMATIC



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SERVICE INFORMATION ONLY TO BE TAKEN FROM THIS DRAWING.
Use figure dimensions - DO NOT SCALE FROM THIS DRAWING.

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-E67-001

Client.

SCOIL MHUIRE BUNCRANA

Architect.

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

Project.

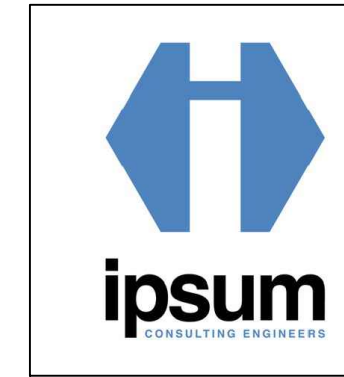
REFURBISHMENT OF SCIENCE ROOMS
SCOIL MHUIRE BUNCRANA
CO.DONEGAL

Service.

ELECTRICAL

Drawing Status.

TENDER



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Eng./CAD	LG	Checked.	MD
Title.	SCIENCE CLASSROOMS 1 & 2 SECOND FLOOR FIRE ALARM LAYOUT		
Scale(s).	1:50 @ A1	Date.	MAY.2026
Project Number.	6447	Revision.	T0
Drawing number.	PL-E67-001		