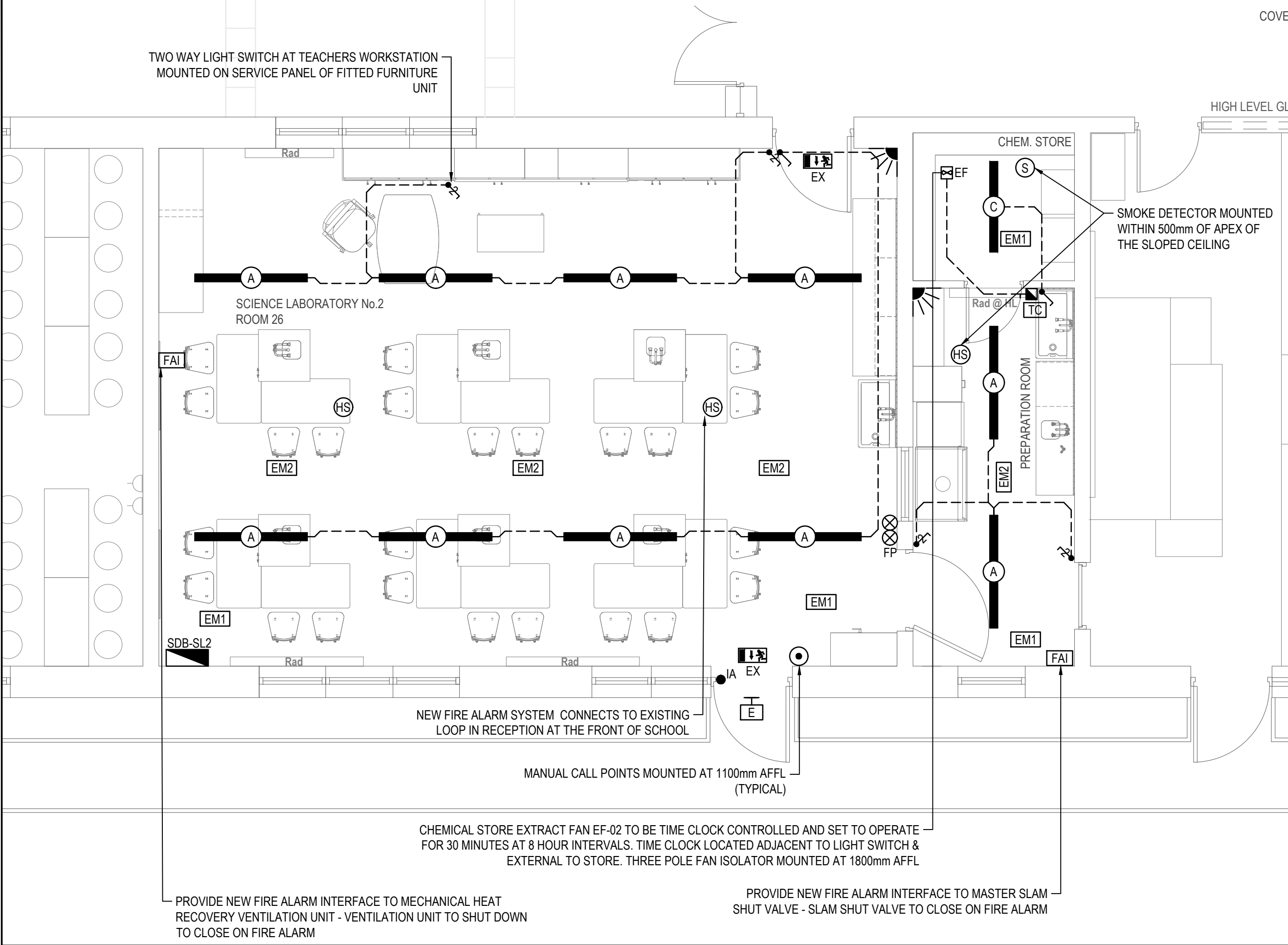
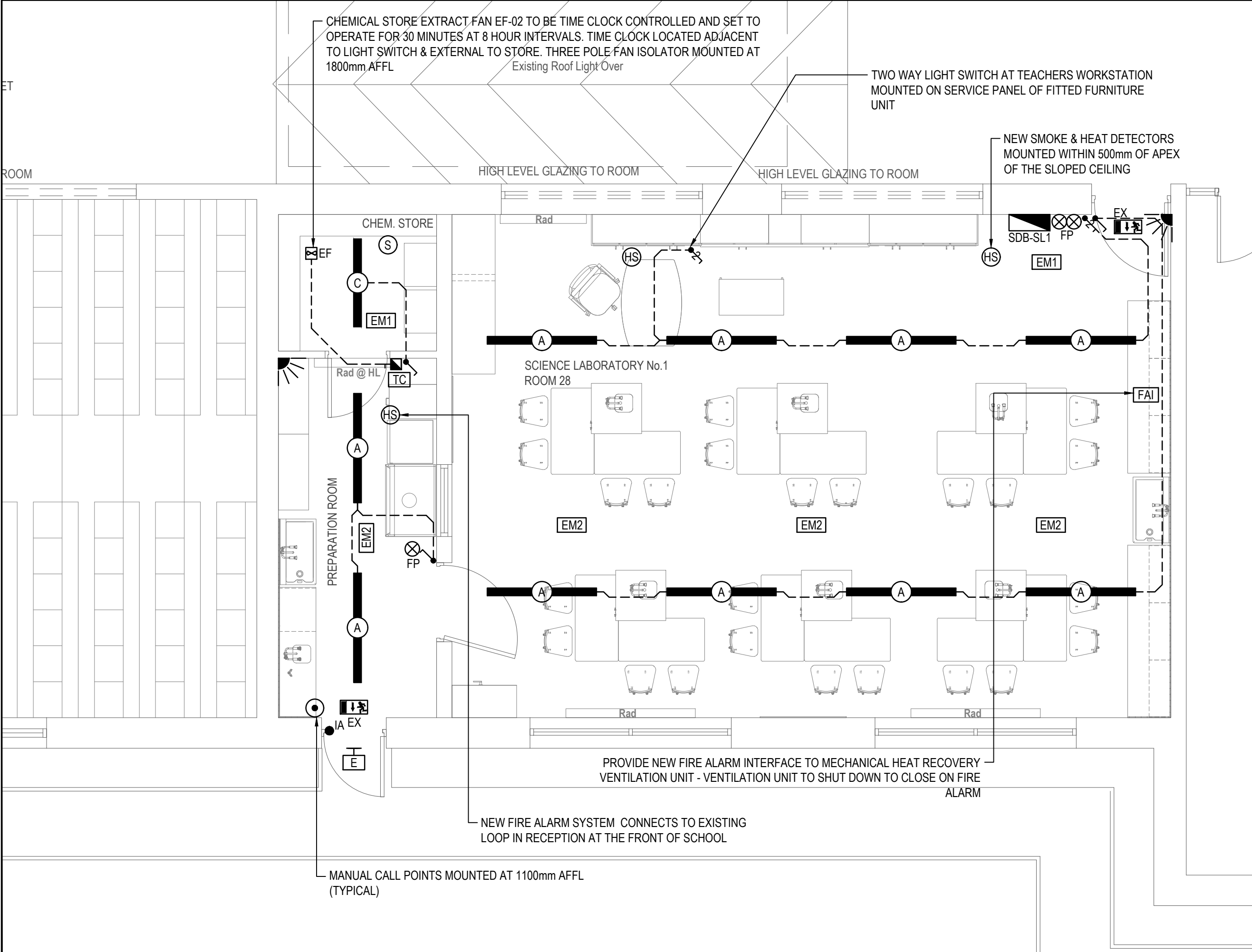




**B** PROPOSED SCIENCE LABORATORY No.2 (ROOM 26) LIGHTING & EMERGENCY LIGHTING SERVICES LAYOUT  
EL-01 SCALE: 1:50



**A** PROPOSED SCIENCE LABORATORY No.1 (ROOM 28) LIGHTING & EMERGENCY LIGHTING SERVICES LAYOUT  
EL-01 SCALE: 1:50

**LUMINAIRE IMAGE**

**EMERGENCY LIGHTING LEGEND:**

**EX** NEW MAINTAINED SELF-TEST WALL MOUNTED LED EMERGENCY EXIT SIGN C/W ISO 7010 DIRECTIONAL RUNNING MAN LEGEND & 3 HOUR LITHIUM EMERGENCY BATTERY PACK IN WHITE FINISH - VENTILUX EXLUX BOX EXIT SELF TEST WITH 8 YEARS WARRANTY CAT.REF. EXM3LED02ST

**EM1** NEW SURFACE MOUNTED IP65 3.6 WATT / 120 LUMEN LED NON-MAINTAINED SELF-TEST EMERGENCY LUMINAIRE WITH 3 HOUR LITHIUM EMERGENCY BATTERY PACK WITH OPEN PLAN AREA LENS IN WHITE FINISH - VENTILUX RADIANCE WITH 8 YEARS WARRANTY CAT. REF. RADNM3/L3W/WHST

**EM2** NEW SURFACE MOUNTED IP65 & IK10 10W / 1400 LUMEN LED NON-MAINTAINED SELF-TEST EMERGENCY BULKHEAD WITH 3 HOUR LITHIUM EMERGENCY BATTERY PACK IN WHITE FINISH - VENTILUX SKYLUX WITH 8 YEARS WARRANTY CAT. REF. SKNM3/LED10W/ST

**E** NEW 1 WATT / 188 LUMEN VANDAL RESISTANT SELF-TEST MAINTAINED EMERGENCY BULKHEAD WITH 3 HOUR LITHIUM EMERGENCY BATTERY PACK WITH OPAL POLYCARBONATE DIFFUSER TO IP65 RATING IN WHITE FINISH - VENTILUX VISOR PRO BULKHEAD WITH 8 YEARS WARRANTY CAT.REF. ZV/PROM3/LEDST

**FP** EXISTING FIRE POST (POINT OF EMPHASIS)

**FIRE ALARM LEGEND**

**S** NEW ADDRESSABLE SMOKE DETECTOR - COMPATIBLE WITH EXISTING SYSTEM

**H** NEW ADDRESSABLE HEAT DETECTOR - COMPATIBLE WITH EXISTING SYSTEM

**HS** NEW ADDRESSABLE HEAT DETECTOR WITH BASE SOUND - COMPATIBLE WITH EXISTING SYSTEM

**●** NEW ADDRESSABLE MANUAL CALL POINT WITH CLEAR HINGED COVER - COMPATIBLE WITH EXISTING SYSTEM

**FAI** NEW ADDRESSABLE FIRE ALARM INTERFACE I/O RELAY UNIT APOLLO DISCOVERY OR EQUAL AND PRE-APPROVED

**LUMINAIRE IMAGE**

**LIGHTING LEGEND:**

**A** 43W ENERGY EFFICIENT 4000K LED LUMINAIRE WITH DIMMABLE GEAR, POLYCARBONATE OPAL DIFFUSER AND SMART SENSOR - THORLUX KANBY EVO CAT. REF. / KE18950 / SS

**C** 26W ENERGY EFFICIENT 4000K LED LUMINAIRE WITH DIMMABLE GEAR, POLYCARBONATE CONTROLLER AND SMART SCAN SENSOR - THORLUX KANBY EVO CAT REF / KE18944 / SS

**DB** DISTRIBUTION BOARD AS SCHEDULED

**SWITCHING & EXTRACT FAN LEGEND**

NEW ONE WAY LIGHT SWITCH MK METAL CLAD PLUS K3591ALM (1 GANG) / K3592ALM (2 GANG) / K3593ALM (3 GANG)

NEW TWO WAY LIGHT SWITCH MK METAL CLAD PLUS

NEW 10 AMP THREE POLE FAN ISOLATOR SWITCH MK 4859 WHI

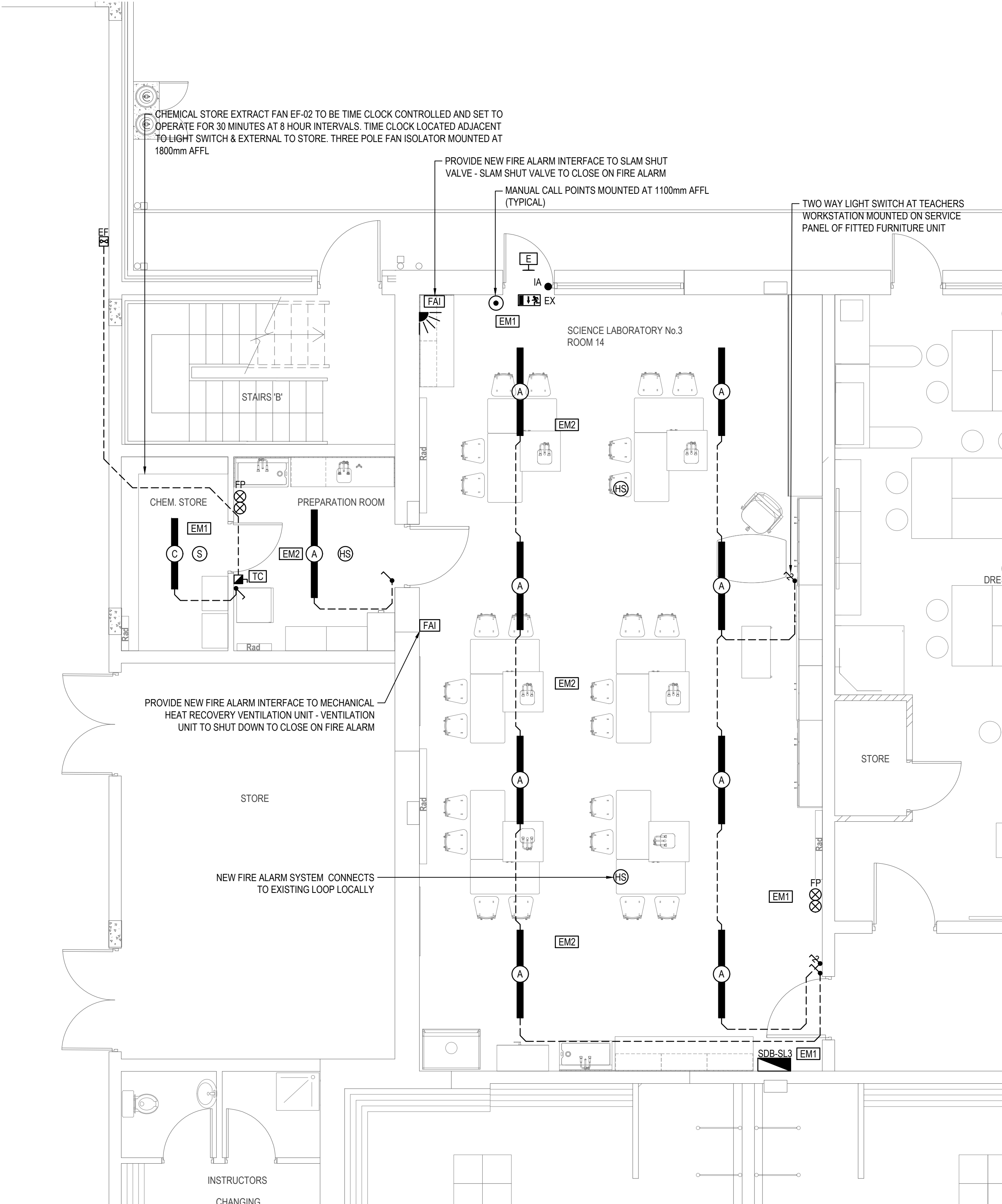
**TC** NEW ANALOGUE TIME CLOCK FOR CHEMICAL STORE EXTRACT FAN

**EF** NEW CHEMICAL STORE EXTRACT FAN (WIRING ONLY BY ELECTRICAL CONTRACTOR)

**INTRUDER ALARM LEGEND**

**IA** NEW INTRUDER ALARM DUAL INERTIA / MAGNETIC DOOR CONTACT SWITCH - HKC SEN IDW (EXISTING WIRING TO BE RETAINED)

NEW INTRUDER ALARM DUAL TECHNOLOGY PASSIVE INFRARED DETECTOR - HKC PIR (EXISTING WIRING TO BE RETAINED)



**C** PROPOSED SCIENCE LABORATORY No.3 (ROOM 14) LIGHTING & EMERGENCY LIGHTING SERVICES LAYOUT  
EL-01 SCALE: 1:50

© Fahey O'Riordan Consulting Engineering Ltd  
This drawing and design is Copyright of Fahey O'Riordan Consulting Engineering Ltd and must not be reproduced without their written consent. The drawing remains the property of the consultants.

- NOTES:**
- THIS DRAWING IS INDICATIVE ONLY AND SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION & ALL OTHER RELEVANT DRAWINGS
  - THIS DRAWING MUST NOT BE SCALED. WORK TO THE FIGURED & SITE OBTAINED DIMENSIONS ONLY.
  - CONTRACTOR SHALL TAKE FULL COGNISANCE OF THE PRELIMINARY HEALTH AND SAFETY PLAN, AND PROVIDE FULL METHOD STATEMENTS FOR ALL HAZARDOUS OPERATIONS LISTED THEREIN. METHOD STATEMENTS SHALL ALSO BE PROVIDED FOR ANY HAZARDOUS OPERATION WHICH BECOMES APPARENT THROUGHOUT THE CONSTRUCTION PHASE.
  - THE MAIN CONTRACTOR WITH RELEVANT SPECIALIST SUB CONTRACTORS SHALL VISIT THE SITE TO DETERMINE THE FULL EXTENT OF THE WORKS PRIOR TO SUBMITTING COMPLETED TENDERS, TO ENSURE ALL COSTS ARE INCLUDED. NO COSTS FOR UNFORESEEN WORK DUE TO LACK OF SITE KNOWLEDGE WILL BE ACCEPTED.
  - THE MAIN CONTRACTOR IS RESPONSIBLE FOR SETTING OUT AND SUPERVISING ALL BUILDERS WORKS AS SPECIFIED IN THE TENDER DOCUMENTS. ALL NECESSARY BUILDERS WORKS SHALL BE COMPLETED BY THE BUILDING SUB-CONTRACTOR DOMESTIC TO THE MAIN CONTRACTOR
  - THE MAIN SERVICES CONTRACTOR IS FULLY RESPONSIBLE FOR ON SITE CO-ORDINATION WITH SPECIALIST SUB CONTRACTORS, BUILDING WORKS SUB CONTRACTOR AND ALL OTHER TRADES.
  - THE ELECTRICAL SUB CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE NEW ELECTRICAL SERVICES SO AS TO ENSURE A NEAT AND FULLY ACCESSIBLE INSTALLATION WITH MINIMAL DISRUPTION TO THE BUILDING AND OTHER EXISTING SERVICES WHICH MUST BE RETAINED IN "AS IS" CONDITION.
  - WHERE A PARTICULAR MANUFACTURERS PRODUCTS ARE SPECIFIED IT SHALL BE READ AS EQUAL AND PRE-APPROVED BY THE ENGINEER
  - THE EXISTING LIGHTING AND EMERGENCY LIGHTING IS NOT SHOWN. THE ELECTRICAL CONTRACTOR SHALL ALLOW FOR A FULL ON SITE SURVEY TO TRACE AND IDENTIFY THE EXTENT OF THE EXISTING LIGHTING SYSTEMS IN THE UPGRADE AREAS WHICH SHALL BE ISOLATED DISCONNECTED AND STRIPPED OUT. DISPOSE OF ALL FITTINGS AND WASTE TO LICENSED WEEE FACILITY.
  - EXACT LOCATION AND SETTING OF THE NEW SERVICES SHALL BE AGREED WITH THE CONSULTING ENGINEERS ON SITE PRIOR TO COMMENCEMENT.
  - THE LOCATIONS OF EMERGENCY LIGHTING FITTINGS SHOWN ARE INDICATIVE - THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT THE NEW EMERGENCY LIGHTING FITTINGS ARE POSITIONED SUCH THAT ALL POINTS OF EMPHASIS ARE ILLUMINATED IN ACCORDANCE WITH THE IS 3217 STANDARD. IN PARTICULAR A MINIMUM LEVEL OF 5 LUX VERTICAL ILLUMINANCE SHALL BE ACHIEVED AT THE FOLLOWING POINTS OF EMPHASIS - MANUAL CALL POINTS AND FIRE FIGHTING EQUIPMENT, FIRST AID POSTS, SAFETY SIGNS, EMERGENCY STOPS, POWER DISTRIBUTION BOARDS AND CONTROL PANELS. THE CONTRACTOR IS TO ALLOW FOR SUPPLY AND INSTALLATION OF AN ADDITIONAL 3 Nr. EMERGENCY LIGHTS TYPE EM1 WHICH MAY BE REQUIRED TO LIGHT POINTS OF EMPHASIS NOT SHOWN ON THESE DRAWINGS WITH FINAL POSITIONS TO BE AGREED WITH THE CONSULTING ENGINEERS ON SITE PRIOR TO COMMENCEMENT.
  - ALL CONNECTORS TO LIGHT FITTINGS SHALL BE VIA KLIK TYPE PLUG IN CONNECTORS WITH NEW FLEXIBLE CABLE CONNECTION TO THE NEW LIGHT FITTINGS.
  - NEW CABLING SHALL BE COMPLETED IN LSF SINGLES FULLY CONTAINED WITHIN A GALVANISED STEEL CONDUIT AND TRUNKING SYSTEM IN ACCORDANCE WITH THE SPECIFICATION.
  - THE CONTRACTOR SHALL ALLOW FOR ALL FINAL CONDUIT DROPS TO NEW LIGHTING FITTINGS AND SWITCHING AS REQUIRED TO PROVIDE FULLY CONTAINED WIRING INSTALLATION. SWITCHES SHALL BE MOUNTED AT 1100mm AFFL.
  - THE CONTRACTOR TO ALLOW FOR A MINIMUM OF 300mm SLACK ON CABLES TO ALL EXTERNAL ELECTRICAL FIXTURES TO ALLOW FOR FUTURE INSTALLATION OF 200mm EXTERNAL WALL INSULATION. EXCESS CABLE TO BE INSTALLED IN A SAFE AND NEAT MANNER ON THE EXTERIOR OF THE BUILDING.
  - ON COMPLETION OF THE INSTALLATION, THE SYSTEM SHALL BE TESTED AND DEMONSTRATED TO THE ENGINEER/CLIENT AND COMMISSIONED TO ENSURE THAT IT IS OPERATING ACCORDING TO THE DESIGN REQUIREMENTS AND IN FULL COMPLIANCE WITH THE REQUIREMENTS OF IS 10101:2020+A1:2024 AND IS3217:2023.
  - THE LIGHTING COMMISSIONING SHALL INCLUDE CORRECT ADJUSTMENT AND SETTING OF NEW AUTOMATIC LIGHTING CONTROLS BY THE LIGHTING SUPPLIER'S SPECIALIST AND PROVISION OF A DETAILED COMMISSIONING REPORT AS PER TGD 030 APPENDIX B. AUTOMATIC CONTROL SETTINGS SHALL BE IN ACCORDANCE WITH TGD AND SHALL BE CONFIRMED WITH THE ENGINEERS PRIOR TO START OF COMMISSIONING.

|     |                      |    |     |     |          |
|-----|----------------------|----|-----|-----|----------|
| T2  | REVISED TENDER ISSUE | LL | JF  | JF  | 24/09/26 |
| T1  | REVISED TENDER ISSUE | LL | JF  | JF  | 22/05/26 |
| T0  | TENDER ISSUE         | LL | JF  | JF  | 24/04/26 |
| REV | DESCRIPTION          | BY | CHK | APP | DATE     |

CLIENT:  
LIMERICK AND CLARE EDUCATION AND TRAINING BOARD  
CAPITAL PROCUREMENT SECTION  
STATION ROAD, ENNIS, CO CLARE

SCHOOL:  
COLÁISTE MHUIRE ASKEATON  
CHURCH STREET, ASKEATON, Co. LIMERICK

SHANACLOGH,  
CAPPAWHITE,  
Co. TIPPERARY.

TEL: +353 (0) 62 75929  
EMAIL: info@force.ie  
WEB: www.force.ie

Project:  
COLÁISTE MHUIRE ASKEATON SCIENCE LABS UPGRADE  
CLIMATE ACTION SUMMER WORKS 2026 PROJECT

Drawing Title:  
PROPOSED LIGHTING & EMERGENCY LIGHTING &  
FIRE ALARM LAYOUTS

|                     |             |                           |                |                    |
|---------------------|-------------|---------------------------|----------------|--------------------|
| Scale<br>1:50 @ A1  | Drawn<br>LL | Checked<br>JF             | Approved<br>JF | Date<br>24/04/2026 |
| Project No.<br>2621 | Type<br>E   | Drawing No.<br>2621-EL-01 | Revision<br>T2 |                    |

APPROVAL ☐ INFORMATION ☐ TENDER ☒ CONTRACT ☐ CONSTRUCTION ☐