

REVISED 17.7.26

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ST FINIAN'S COMMUNITY COLLEGE / Science Room

Specification for Electrical Work

(To be read in conjunction with Drawings)

Site Meetings to be arranged for detailed discussion with Architect re. Services before any work starts.

ELECTRICAL WORK:

- The work must be carried out by a company which is registered with Safe Electric and the nomination approved by the Architect.
- The work must comply with the latest National Rules for Electrical Installation I.S.10101.2020.
- After completing the work, the Contractor must issue a Completion Certificate.

EXISTING WIRING & FITTINGS:

- Remove existing wiring and fittings.

GENERAL DESCRIPTION :

Connection from existing switchboard in Science Room.
Wiring to be surface mounted in steel conduit.
Underfloor duct to Student's pedestals.

Terminal

- Terminal, sub-distribution board and contact breakers in steel fire-proof cabinet.
- Busbar to be fitted to ESB requirements.

Wiring:

- 20 amp wiring in PVC conduit in radial circuits.

Isolation Switch:

- Key isolation switch to be fitted over the gas proving system.

Sockets:

- Switched double 13A sockets of grey painted steel construction.

Spur Connection:

- Spur connection to height adjustable students' table.

Surge Protection:

- Fit electrical surge protection.

Earthing:

- Electrical system to be earthed.

Alarms:

- Connect electrical service to gas proving system, gas detector, and carbon monoxide sensors.

Projector:

- Retain existing projector.

LIGHTING:

Lights:

- 8 no. corrosion-proof 2 x 40W LED light fittings with diffusers.
(Robus Vulcan or other approved)
4 no. in Prep Room and 1 no. in Store.
Total 13 no.

Switching:

- Sensory operated switching to lights in Science and Prep Rooms.

Emergency Lighting:

- 3 no. recessed emergency light fittings.
- Illuminate4d EXIT sign at door.

FIRE DETECTION ALARM SYSTEM:

- 2 no. combined smoke detectors and sounders.
- To interface with gas proving fitting.
- Monitoring pane of steel, fire-proof construction.

IT:

- IT terminals to be connected to College IT system.

VENTILATION:

- 4 no. 300 drain extract fans with controls.

Peter Ging, FRIAI, Architect

17 July 2026