



#### Asbestos Containing Materials (ACMs)

The building was extensively refurbished in 2010.  
A building asbestos management survey has not been provided nor an R&D survey yet undertaken.  
As such it must be expected that Asbestos Containing Materials (ACMs) may still be found, possibly as debris or residual materials, so may not be prominent or obvious.



#### Design status

This is not a detailed design drawing and is not to be used for installation purposes.  
The final detailed design, coordination and installation is the responsibility of the appointed contractor. This drawing is intended to illustrate intent, not provide full detail, and reference must be made to the specification for further information.

#### FIRE ALARM LEGEND

|     |                                                  |
|-----|--------------------------------------------------|
| FAP | Fire Alarm Panel                                 |
| S   | Optical Smoke Detector                           |
| S   | Optical Smoke Detector c/w Sounder Base & Strobe |
|     | Manual Call Point                                |
| INT | Fire Alarm Interface Unit                        |

#### Fire Alarm

Fire alarm system to be confirmed by the fire officer and meet the requirements in BS-5839-1



#### LIGHTING LEGEND

|      |                                                          |
|------|----------------------------------------------------------|
| AE   | Surface Mount IP66 Linear LED. C/W 3hr Emergency Backup. |
| A    | IP65 Linear LED.                                         |
| B    | Surface Mount LED Bulkhead.                              |
| BE   | As Above C/W 3hr Emergency Backup.                       |
| D    | Surface Mount Linear LED.                                |
| FE   | IP65 LED Wall Light C/W 3hr Emergency Backup.            |
| EXIT | Emergency Exit Sign.                                     |
|      | Manual Light Switch                                      |
|      | PIR Presence Detector                                    |

#### Lighting design and control strategy

Green Room / Yellow Room / Blue Room - Lighting to be controlled with presence detection.



Store Rooms - To be switched with manual light switches.

WC's - Lighting to be controlled with presence detection.

Tea Points - To be controlled with presence detection.

Lobby / Corridor - To be controlled with presence detection.

External Lighting - To be controlled with integral PIR / photocell's.



REF A



REF B



REF D



REF F



EXIT

#### Health & Safety Hazards and Risks

All works indicated on this drawing are to be carried out by a Contractor competent to undertake the works.  
Specific hazards relating to the works are indicated on this drawing.  
These are in addition to the normal hazards and risks faced by a competent person or contractor when dealing with the types of works indicated on this drawing.

#### General Notes

- Do not scale from this drawing.
- All dimensions are in millimetres unless stated otherwise.
- Prior to commencing any works all relevant dimensions & site features are to be verified against contractual information.
- All proprietary components are to be installed in accordance with the Manufacturer's current written instructions.

#### Specification notes

- All works to be in accordance with BS 7671 Amendment 2 18th Edition.
- All cabling to be concealed in galvanised steel conduit where vulnerable to mechanical damage. All electrical accessories to comply with Building Regulations Part M.
- Interior lighting to be designed in accordance with BS EN 12464-1 "Light and lighting: Lighting of work places - Indoor work places." and CIBSE SLL Code for Lighting.
- Emergency lighting to be designed in accordance with BS 5266 "Code of practice for emergency lighting of premises."

| Rev | Date       | Description                               | By |
|-----|------------|-------------------------------------------|----|
| P1  | 24/02/26   | Updated following team feedback.          | CB |
| P0  | 16.02.2026 | Preliminary issue for review and comment. | CB |

#### Suitability Number Key

WIP  
S0 - Work in Progress \*  
Shared  
S1 - Fit for co-ordination \*\*  
S2 - Fit for information  
S3 - Fit for internal review & comment  
S4 - Fit for construction approval

Documentation  
D1 - Fit for costing  
D2 - Fit for tender  
D3 - Fit for Contractor design  
D4 - Fit for manufacture / procurement

BS 1192:2007

Documentation Sign-off  
A - Fit for construction  
B - Fit for construction with comments  
C - Comprehensive revisions needed  
Archive  
AB - As Built  
FC - Final construction

\* For internal pre-issue usage only  
\*\* For model file usage only

#### Project Title

Lower Ground Floor Refurbishment

#### Drawing Title

Proposed new  
Lighting & Fire Alarm

#### Client

Canolfan Soar  
Pontmorlais,  
Merthyr Tydfil  
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#### Discipline Electrical Engineering Systems

|            |        |       |          |         |    |
|------------|--------|-------|----------|---------|----|
| Scale @ A1 | 1:50   | Drawn | CB       | Checked | MC |
| Job Number | 232552 | Date  | Jan 2026 |         |    |

#### Drawing Status Stage 4 Performance Design

|                                                        |    |          |    |
|--------------------------------------------------------|----|----------|----|
| Suitability                                            | S0 | Revision | P1 |
| Project - Origin - Zone - Level - Type - Role - Number |    |          |    |
| 2552-HP-XX-LG-DR-E-802                                 |    |          |    |