



- Legend
- Break glass call point
 - Smoke detector
 - Smoke detector / beacon
 - Smoke detector / beacon / sounder
 - Beacon / sounder (white)
 - Fire alarm panel
 - Fire alarm interface
 - Disabled WC alarm sounder/beacon
 - Disabled WC alarm reset unit
 - Disabled WC alarm pull cord
 - Disabled refuge call outstation
 - Disabled refuge Main Panel

- This drawing shall be read in conjunction with all other drawings and specifications.
- All electrical installation works shall be carried out in accordance with BS7671 incorporating all current amendments.
- This drawing outlines the design intent only to provide a category 'L2' system as defined in BS5839-1.
- The number, type and quantity of detection devices and sounders included on this drawing are included for design intent purposes only and do not form detailed design information for which the contractor and their specialist shall be responsible.
- A fire alarm specialist sub-contractor shall be employed to design, supply, install, test and commission all necessary components required for the complete fire alarm and detection installation to full detailed design level of information. All components shall be selected, installed, inspected and maintained in accordance with BS5839.
- The fire alarm specialist shall determine the exact type and quantity of detectors to achieve the category of system with the fire strategy report along with ensuring adequate sounders are provided to meet the required sound pressure levels (65dBa) throughout in line with fire strategy report.
- The fire alarm specialist shall determine the final cable sizes required based on number of devices served and cable lengths required to pick up all the devices required to achieve the level of coverage.
- Detection/sounder loops shall be loaded to no more than 80% of their full capacity for both current load and number of devices to allow for future additions and modifications.
- The fire alarm specialist shall accept final design responsibility for the fire alarm works - this shall be reflected in the final certification issued by the specialist contractor. The fire alarm specialist must issue fire alarm certification in accordance with the 'model' certificates included in BS5839, in particular:
 - G.1 Design certificate
 - G.2 Installation certificate
 - G.3 Commissioning certificate
- All variations from the BS shall be recorded on the certificate and must be agreed and accepted by the design team / building control in advance of the installation.
- Interfaces to be provided to, but not limited to, serve ancillary items such as:
 - Access controlled egress routes
 - Plant shutdown
 - BMS link (if available)
 - Lift return to ground level (external)

P1	21.09.21	Preliminary	GC	PW	PW
Rev	Date	Description	By	Check	App.

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DRAWING MUST BE PRINTED IN BLACK AND WHITE ONLY.

Client	Lapwine Ltd
Project	105 Princess Street Manchester
Office	Altrincham
Discipline	Electrical
Title	First Floor Indicative Fire Alarm Layouts
Scale @ A1	1:50
Status	Preliminary



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Project No.	Originator	Building/Zone	Level
7_7478	CCL	XX	01
Type	Discipline	Drawing No.	Revision
DR	E	300302	P1

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