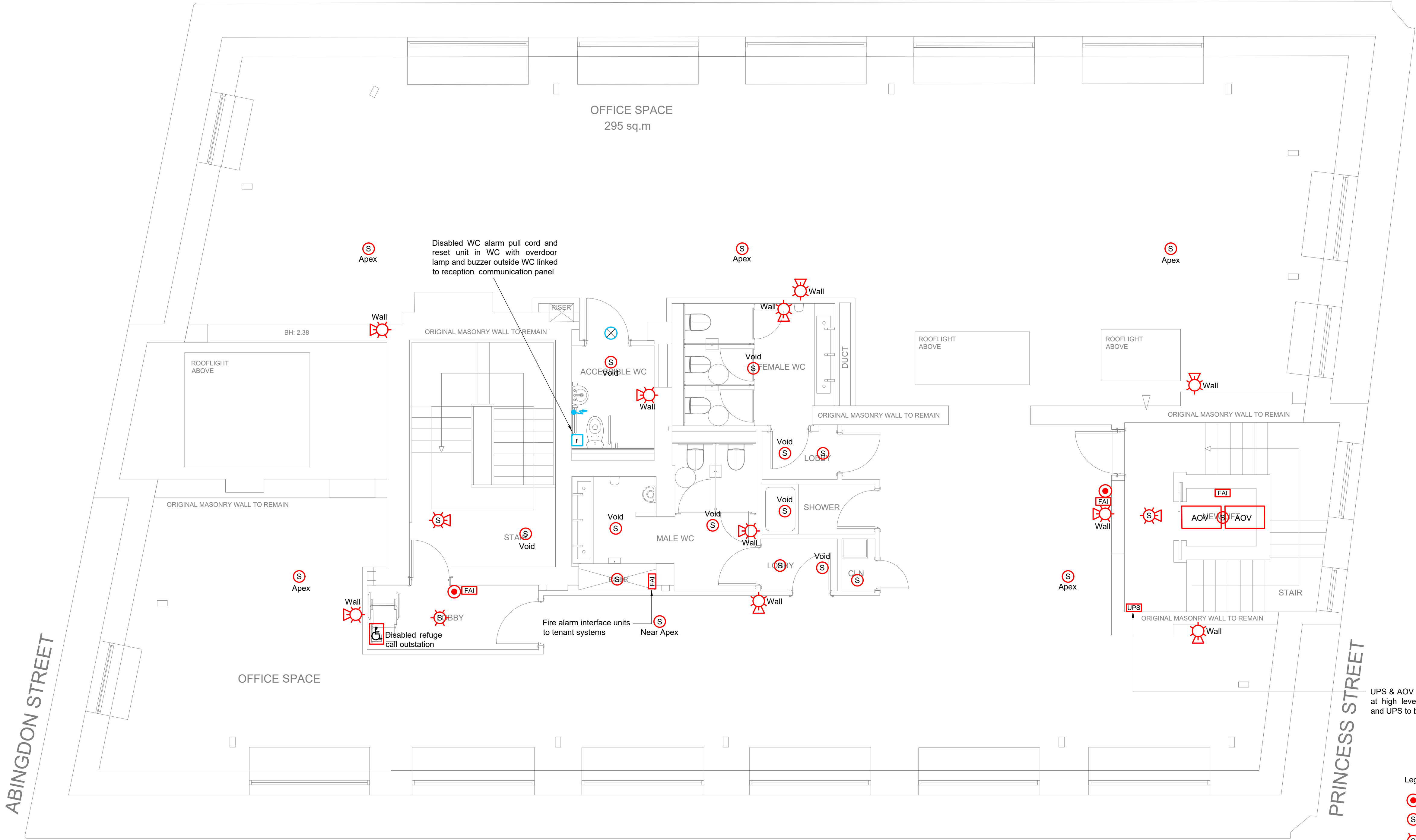




UPS & AOV control panel mounted at high level, all cabling to AOV and UPS to be 'enhanced' type

- 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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Client	Lapwine Ltd				
Project	105 Princess Street Manchester				
Office	Altrincham				
Discipline	Electrical				
Title	Fourth 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	04
Type	Discipline	Drawing No.	Revision
DR	E	300305	P1

Birmingham 0121 200 7800, Glasgow 0141 222 1700, Liverpool 0151 222 2300, London 020 3077 0970, Manchester 0161 616 0000, Newcastle 0191 221 0702, Norwich 01603 300100, Preston 01773 623375, Reading 01184 1788