PROJECT I ORIGINATOR I ZONE I LEVEL I TYPE I ROLE I CLASS I NUMBER	REVISION
P1824-NOV-XX-01-DR-E-6701	P01

LINKED FILES
1073-TGA-XX-01-DR-A-03001-P3

FIRE PROTECTION	
SYMBOL	REFERENCE
S/H/M	DETECTOR (S DENOTES SMOKE, H DENOTES HEAT, M DENOTES MULTI)
S	SMOKE DETECTOR WITH SOUNDER BASE
S	SMOKE DETECTOR WITH SOUNDER BASE & XENON BEACON
S	SMOKE DETECTOR WITH XENON BEACON
S	SMOKE DETECTOR WITHIN CEILING VOID C/W REMOTE L.E.D.
	MANUAL CALL POINT
PSU	POWER SUPPLY UNIT
IU	INTERFACE UNIT (NO. OF CHANNELS AS NOTED)
	ELECTRONIC SOUNDER
	ELECTRONIC SOUNDER C/W VISUAL ALARM DEVICE
	VISUAL ALARM DEVICE
	DOOR HOLD OPEN DEVICE
FAP	FIRE ALARM MAIN CONTROL PANEL
FRP	FIRE ALARM REPEATER CONTROL PANEL

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DO NOT SCALE OFF THIS DRAWING

DESIGNERS RISK ASSESSMENT
Under section 11, 18 - Construction (Design and Management) Regulations 2015

SAFETY, HEALTH & ENVIRONMENTAL INFORMATION
There are no significant, unusual or location specific risks which are not obvious to a competent contractor or likely to be difficult to manage

NOTES:

1. THIS LAYOUT SHALL BE READ IN CONJUNCTION WITH THE BUILDING SERVICES/MEP SPECIFICATION.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, STRUCTURAL AND ARCHITECTURAL DRAWINGS.
3. ALL DIMENSION IN mm UNLESS OTHERWISE STATED.
4. ALL POSITIONS ARE APPROXIMATE & TO BE AGREED ON SITE.

FIRE ALARM

1. FIRE ALARM INTERFACES SHALL BE PROVIDED FOR MCP, GAS SOLENOID VALVE, SMOKE CONTROL PANEL, MOTORISED SMOKE DAMPERS, LIFTS, ACCESS CONTROLED DOORS, GATES & BARRIERS, FIRE CURTAINS, RETAIL UNIT AND AS REQUIRED.
2. A RISK ASSESSMENT SHALL BE CARRIED OUT WHICH SHALL ALSO TAKE INTO CONSIDERATION FUTURE ACCESS IN ORDER TO ASCERTAIN IF ANY DEVICES CAN BE OMITTED.
3. THE FIRE ALARM SHALL BE DESIGNED, INSTALLED TESTED AND COMMISSIONED IN ACCORDANCE WITH THE DESIGN FIRE CONSULTANTS FIRE ENGINEER'S REPORT AND ASSOCIATED RECOMMENDATIONS AS FOLLOWS:
4. DETECTORS ARE INSTALLED IN ROOMS THAT OPEN ONTO THE ESCAPE ROUTES, AS WELL AS WITHIN THE ESCAPE ROUTES THEMSELVES INCLUDING AREAS OF HIGH RISK i.e. PLANT/SWITCH ROOMS, RISERS. ANY SECURITY DOORS FORMING PART OF A MEANS OF ESCAPE SHOULD BE LINKED WITH THE FIRE ALARM SYSTEM TO DISENGAGE THE DOOR. OPERATION OF THE FIRE ALARM SYSTEM WILL SHUTDOWN ALL NON LIFE SAFETY HVAC SYSTEMS.
5. EXACT FIRE ALARM CLASSIFICATION TO BE CONFIRMED WITH FIRE ENGINEER, CURRENTLY DETAILED AS A BS5839 PART 1 CATAGORY L2.
6. FINAL SYSTEM DESIGN AND SUBSEQUENT COMMISSIONING AND CERTIFICATION SHALL BE TAKEN FORWARD AND UNDERTAKEN BY CONTRACTED SPECIALIST, UTILISING THESE PLANS AS A GUIDE ONLY.

ANCILLARY /LANDLORD ACCOMMODATION

7. THE SYSTEM SHALL BE A FULLY NETWORKABLE ANALOGUE ADDRESSABLE FIRE DETECTION SYSTEM TO BS5839 PART 1 CATEGORY L2.
8. ALL FIRE ALARM CABLING SHALL BE RED LSOH SOFT SKINNED ENHANCED FIRE RESISTING TYPE AS FP200 GOLD ENHANCED TO BS 5839 PART 1. WIRING SHALL BE ROUTED ON/WITHIN THE FIRE ALARM COMPARTMENT OF THE CABLE BASKET. WHERE CABLES LEAVE THE CONTAINMENT THEN THEY SHALL BE FIXED TO THE STRUCTURE VISUALLY OUT OF SIGHT UTILISING FIRE RATED FIXINGS OF EQUAL FIRE INTEGRITY TO THE CABLING.
9. WHERE REQUIRED FIRE ALARM SOUNDERS AND XENONS WILL BE INCORPORATED INTO THE DETECTOR BASE.
10. ALL MANUAL CALL POINTS ARE TO BE MOUNTED AT 1150mm TO CENTRE AND ALIGN WITH ADJACENT LIGHT SWITCHES.
11. LOCATIONS OF POWER SUPPLIES AND FIRE ALARM INTERFACES SHALL BE COORDINATED TO SUIT THE ENTRY LOCATION POINT OF ALL EQUIPMENT.
12. ALL CABLES TO DETECTORS SHALL TERMINATE AT GALVANISED CONDUIT BOXES, FIXED DIRECT TO THE SURFACE IN AREAS WITH NO CEILINGS AND MOUNTED TO SUITABLE PLYWOOD PATRESSES WHERE CEILINGS EXIST. RED STUFFING GLANDS SHALL BE PROVIDED.
13. ALL FIRE ALARM CABLES WHICH DROP DOWN WALLS SHALL BE INSTALLED WITHIN THE AGREED SERVICE ZONES AS DEFINED WITHIN BS7671 AND BE SUITABLY PROTECTED VIA HIGH IMPACT PVC CONDUIT AT A DEPTH GREATER THAN 50mm IF POSSIBLE.
14. ALL DEVICES SHALL BE FULLY LABELLED TO AN AGREED SYSTEM WITH THE COMMISSIONING ENGINEER/BUILDING OPERATOR
15. A FIRE ALARM TEST KEY SWITCH OR INTEGRAL PROGRAMMING FACILITY SHALL BE PROVIDED FOR DISABLING OUTPUTS TO THE ASSOCIATED INTERFACES DURING TEST PURPOSES TO AVOID INADVERTENT PLANT SHUTDOWN.
16. THE FIRE ALARM ZONES FOR THE BUILDING SHALL BE AGREED PRIOR TO PROGRAMMING OF THE SYSTEM AND AGREED/FINALISED ROOM NAMES SHALL BE OBTAINED FROM THE CLIENT.
17. ON COMPLETION OF THE INSTALLATION AN ENCAPSULATED FIRE ALARM ZONE LAYOUT SHALL BE LOCATED ADJACENT THE MAIN FIRE ALARM PANEL. THIS SHALL ALSO INDICATE THE LOCATIONS OF ANY ITEMS THE SYSTEM IS INTERFACED WITH i.e. GAS VALVES, HVAC PLANT, ACCESS CONTROL, AUTO DOORS, AOV, MSVS ETC. (LOCATION TO BE AGREED WITH ARCHITECT).

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Spatial Coordination

STA	REV	DESCRIPTION	DES	CHD	DATE
-	P01	PRELIMINARY ISSUE	CW	BD	13.01.23

PURPOSE OF ISSUE
PRELIMINARY ISSUE

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CLIENT
DOMIS

PROJECT
LIVERPOOL ROAD
MANCHESTER

TITLE
ELECTRICAL SERVICES
FIRE ALARM LAYOUT
FIRST FLOOR

FIRE ALARM

SCALE	ORIGINAL SIZE	DATE
1:50	A1	JAN '23
DRAWN	DESIGNED	CHECKED
EG	CW	BD

PROJECT I ORIGINATOR I ZONE I LEVEL I TYPE I ROLE I CLASS I NUMBER	REVISION
P1824-NOV-XX-01-DR-E-6701	P01

0 1 2 3 4 5m
1:50 SCALE