

GENERAL FIRE ALARM NOTES

NOTES ON ALL DRAWINGS AND SPECIFICATION APPLY WHERE APPROPRIATE

THE FIRE ALARM INSTALL SHALL COMPLY WITH BS 5839, PART 1:2017. EQUIPMENT SHALL COMPLY WITH BS EN 54 AND BS 5839 - 1:2017.

THE FIRE ALARM CONTROL PANELS FOR THE SYSTEM SHALL BE RECESSED MICRO-PROCESSOR BASED MONITORING ALL DETECTORS ON THE SYSTEM USING MULTIPLEXING TECHNIQUES.

UPON COMPLETION OF THE WORKS THE SYSTEM SHALL BE TESTED & COMMISSIONED BY THE FIRE ALARM EQUIPMENT SUPPLIER. THE ELECTRICAL CONTRACTOR SHALL ASSIST WITH THE COMMISSIONING AS REQUIRED.

EXACT AND FINAL ROUTES TO BE AGREED WITH SPECIALIST SUBCONTRACTOR AND CO-ORDINATED WITH OTHER SERVICES.

FINAL FIRE ALARM PANEL LOCATIONS ARE TO BE CONFIRMED / AGREED ONSITE.

WHERE CONTAINMENT PASSES THROUGH FIRE DIVISION WALLS, SUITABLE FIRE BARRIERS SHALL BE PROVIDED AND OPENINGS REFILLED. SUITABLY RATED INTUMESCENT FIRE BLOCKS WILL BE INSTALLED WITHIN THE TRUNKING. THE OPENING AROUND THE TRUNKING WILL BE BACKFILLED WITH SUITABLE INTUMESCENT PUTTY.

CALL POINTS SHALL BE UNIQUELY ADDRESSABLE AND SHALL BE OF THE BREAKGLASS TYPE, COLOURED RED AND SHALL INCORPORATE A TEST FACILITY AND PROTECTIVE COVER.

THE ELECTRICAL CONTRACTOR WILL ENSURE THE FIRE ALARM SYSTEM IS INTEGRATED WITH ANY REQUIRED SYSTEMS.

TO BE CO-ORDINATED AND AGREED ON SITE BETWEEN THE ELECTRICAL AND MECHANICAL ENGINEER.

THE CORRECT FIRE ALARM PANEL UNSWITCHED FCU IS TO BE INSTALLED AT THE PANEL (RED)

SMOKE DETECTION WILL BE PROVIDED IN ALL CEILING VOIDS 800MM AND GREATER

PRESENCE OF A FIRE DETECTION AND ALARM SYSTEM: MANUAL CALL POINTS, AUTOMATIC SMOKE/FIRE DETECTION DEVICES THROUGHOUT THE BUILDING (IN ALL AREAS AND CIRCULATION ROUTES INCLUDING GUEST ROOMS, STAIRCASES, CEILING CAVITIES OF 800MM AND ABOVE, PLANT ROOMS ETC.) ALARMS INSTALLED IN ALL AREAS AND PERCEPTIBLE BY ALL OCCUPANTS, INTERLINKED WITH FIRE PROTECTION SYSTEM.

INSTALLATION USING A POWER SOURCE (GAS, LIQUID, SOLID, ELECTRIC) SHALL HAVE MANUAL SWITCHES TO CUT POWER SUPPLIES, VISIBLE AND ACCESSIBLE FROM OUTSIDE THE BUILDING OR AN EMERGENCY STOP BUTTON LOCATED NEAR THE MAIN ENTRANCE OF THE PREMISES ARE REQUIRED.

MANUAL SWITCHES PLACED DIRECTLY OUTSIDE BOILER OR GENERATOR ROOMS OR REMOTE EMERGENCY STOP BUTTONS LOCATED NEARBY THE ROOMS ARE REQUIRED.

AN ACCESSIBLE MANUAL OR AUTOMATED EMERGENCY STOP POWER SWITCH AND GAS STOP VALVE ARE REQUIRED IN ALL KITCHENS.

FIRE ALARM ZONE PER FLOOR WITH STAIRWELLS TO BE ON THEIR OWN ZONE

INDUCTION LOOP

THIS CONTRACT IS TO INCLUDE FOR THREE NUMBER PORTABLE INDUCTION LOOPS FOR RECEPTION AND MEET AND GREET GROUND AND FIRST AND INDUCTION TAPE LOOP WITHIN ALL THE MEETING ROOMS.

A RECEPTION PORTABLE LOOP WILL BE INSTALLED AT THE RECEPTION AND MEET AND GREET DESKS AS INDICATED ON THE DRAWING AND IN ACCORDANCE WITH MANUFACTURES INSTRUCTION AND THE ELECTRICAL CONTRACTOR IS TO CO-ORDINATE THE FINAL INSTALLATION WITH THE DESK MANUFACTURE.

THE COMPLETE SYSTEM SHALL BE TESTED AND COMMISSIONED BY THE SPECIALIST SUB-CONTRACTOR IN ACCORDANCE WITH IEC 60118-4 AND A TYPED/CERTIFIED CERTIFICATE OF COMPLIANCE WILL BE PROVIDED.

FIRE ALARM AND DDA LEGEND

- HEAT DETECTOR
- COMBINED HEAT DETECTOR, SOUNDER & VAD
- SMOKE DETECTOR
- SMOKE DETECTOR LOCATED IN CEILING VOID WITH REMOTE INDICATOR
- COMBINED SMOKE DETECTOR, SOUNDER & VAD
- OPTICAL SMOKE/HEAT MULTISENSOR, SOUNDER, VAD FIRE ALARM HEAD.
- MANUAL CALL POINT WITH LOCAL TEST
- FIREMANS MIMIC SMOKE VENT CONTROL.
- WALL/CEILING MOUNTED SOUNDER VAD.
- FIRE ALARM PANEL.
- FIRE ALARM REPEATER PANEL.
- REFUGE OUTSTATION.
- MAIN REFUGE INTERCOM
- DOOR HOLD OPEN DEVICES.
- MAINS POWERED INTERFACE TO THE FIRE ALARM SYSTEM.
- BED SIDE ALARM CALL
- DISABLED TOILET RESET BUTTON
- PULLCORD ALARM
- WC DISABLED ALARM PANEL

12th
11th
10th
9th
8th
7th
6th
5th
4th
3rd
2nd
1st

EACH BEDROOM SERVICES RISER SHALL CONTAIN AUTOMATIC SMOKE DETECTION ON THE FLOORS INDICATED.

SPUR AND INTERFACE FOR LAUNDRY CHUTE LOCATED ON LEVEL 4 AND 8

REFER TO DRAWING 3840 E607 FIRE ALARM WIRING SCHEMATIC FOR LOOP REFERENCE NUMBER

ADDITIONAL VISUAL FIRE ALARM DEVICES TO BE PROVIDED WITHIN AMBULANT DISABLED WC'S. FINAL ROOMS TO BE AGREED WITH PROJECT ARCHITECT.

FAP TO BE LOCATED IN 8TH FLOOR FF STAIR CORE SERVING FROM 6TH - ROOF  
FIRE FIGHTING SERVICES BOARD REF DB-FF IS TO BE LOCATED ON THE 6TH FLOOR - FINAL L.T.B.A ON SITE WITHIN THE FIRE FIGHTING SHAFT IN ACCORDANCE WITH BS 9999

ADDITIONAL VISUAL FIRE ALARM DEVICES TO BE PROVIDED WITHIN AMBULANT DISABLED WC'S. FINAL ROOMS TO BE AGREED WITH PROJECT ARCHITECT.

FIRE ALARM INTERFACE AND CONTACTOR TO BE LOCATED AT DB-P, DB-Q, DB-U AND DB-V. THIS IS TO ALLOW FOR THE POWER TO BE CUT AT THESE BOARDS DURING THE EVENT OF A FIRE, THE FIRE DAMPERS WILL THEN CLOSE TO THE RESPONSE OF THE FIRE ALARM INTERFACE

INCLUDE ALL NECESSARY OFFSETS OF SERVICES IN CEILING VOIDS, SERVICE DUCTS AND ALL OTHER AREAS TO ACHIEVE CROSSOVERS AND CO-ORDINATION OF MECHANICAL AND ELECTRICAL SERVICES.

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DRAWING  
ELECTRICAL SERVICES INSTALLATION

FIRE ALARM AND DDA SPECIALIST SYSTEMS  
2ND - 9TH FLOOR

DRAWING No./REVISION	3840/E302			T2
SCALE/PRINTED AT	DATE	DRAWN	CHECKED	
1:100@A1	APR 19	BP	LW	

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