



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 SHALL BE REFILED. 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

THE CONTRACTOR IS TO PROVIDE ALL INDUCTION LOOPS INCLUDING INSTALLATION AND NECESSARY EQUIPMENT AS INDICATED ON THE E200 SERIES DRAWINGS

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 – FF&E.

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

- HT HEAT DETECTOR
- HTSD COMBINED HEAT DETECTOR, SOUNDER & VAD
- SD SMOKE DETECTOR
- SDV SMOKE DETECTOR LOCATED IN CEILING VOID WITH REMOTE INDICATOR
- SDSD COMBINED SMOKE DETECTOR, SOUNDER & VAD
- OSM OPTICAL SMOKE/HEAT MULTISENSOR, SOUNDER, VAD FIRE ALARM HEAD.
- MCP MANUAL CALL POINT WITH LOCAL TEST
- FAP FIREMANS MIMIC SMOKE VENT CONTROL.
- FAP WALL/CEILING MOUNTED SOUNDER VAD.
- FAP FIRE ALARM PANEL.
- FARP FIRE ALARM REPEATER PANEL.
- RO REFUGE OUTSTATION.
- MRI MAIN REFUGE INTERCOM
- DHO DOOR HOLD OPEN DEVICES.
- MPI MAINS POWERED INTERFACE TO THE FIRE ALARM SYSTEM.
- BSAC BED SIDE ALARM CALL
- DTRB DISABLED TOILET RESET BUTTON
- PCA PULLCORD ALARM
- WDAF WC DISABLED ALARM PANEL

T2	16.09.19	TENDER DESIGN UPDATE	LW	PON
T1	APR 19	TENDER ISSUE	LW	PON
REV	DATE	DESCRIPTION	DR	CK

Caldwell

ARCHITECT
CONSARC

JOB
RENFREW STREET, GLASGOW
MALDRON HOTEL

DRAWING
ELECTRICAL SERVICES INSTALLATION

FIRE ALARM AND DDA SPECIALIST SYSTEMS

FIRST FLOOR PLAN

DRAWING No./REVISION	3840/E301		T2	
SCALE/PRINTED AT	DATE	DRAWN	CHECKED	
1:100@A1	APR 19	BP	LW	
UNIT 6 FORESTGROVE BUSINESS PARK NEWTOWNBRED A BELFAST BT8 6AW TEL: 02890699720 FAX: 02890641625 E-MAIL: admin@caldwellconsulting.net				