

FIRE ALARM SYSTEM - EXTG INSTALLED SYSTEM TO BE REVISED AS REQUIRED IN ACCORDANCE WITH PROPOSED LAYOUT. SYSTEM TO BE DESIGNED & INSTALLED BY SPECIALIST UP TO 1.1.14 APPROVED FIRE ALARM COMPANY IN ACCORDANCE WITH REQUIREMENTS BS 5839-1:2013

FIRE DETECTION - THE ALARM SYSTEMS FOR BUILDINGS - PART 1: CODE OF PRACTICE FOR DESIGN, INSTALLATION, COMMISSIONING AND MAINTENANCE OF SYSTEMS IN NON-DOMESTIC PREMISES. SYSTEM TO CATEGORISE 1.1 RATING. IF EXTG SYSTEM IS NOT APPLICABLE, PROVIDE ITEMISED PRICE FOR COMPLETE INSTALLATION OF COMPLAINT SYSTEM TO CATEGORY 1.1. SPLIT INTO TWO ZONES (SCOUTS / OFFICES). THE FIRE ALARM SYSTEM SHALL BE OF THE OPEN PROTOCOL TYPE, MAINTAINABLE BY ANY APPROPRIATE IPEC IP51.014 APPROVED FIRE ALARM COMPANY AND FULLY ANALOGUE ADDRESSABLE.

SD - SMOKE DETECTOR - WITH INTEGRAL SOUNDER, ALL TO BE INTERCONNECTED. MAINS OPERATED WITH SECONDARY POWER SUPPLY SUCH AS BATTERY (RECHARGEABLE OR REPLACEMENT) OR CAPACITOR. ALL TO CONFORM TO BS 5446 PART 1, CEILING MOUNTED DETECTORS TO BE LOCATED MIN 300MM FROM LIGHT FITTINGS AND WALLS, AND NOT OVER HEATERS. POWER SUPPLY TO BE FROM MAINS ELECTRICAL SUPPLY, AND BE AN INDEPENDENT CIRCUIT, AS APP. DOC. B CLAUSES 1.1.7 - 1.2.2.

HD - HEAT DETECTOR - WITH INTEGRAL SOUNDER, INTERCONNECTED TO OTHER FIRE DETECTION UNITS / AS NOTED FOR SMOKE WITH BS EN 50291:2001. BATTERY POWERED WITH SAME WORKING LIFE AS ALARM. HAVE WARNING DEVICE TO ALERT USER WHEN WORKING LIFE IS DUE TO EXPIRE. TYPE ALARMS WITH FIXED MAINS WIRING MAY BE USED PROVIDED THEY HAVE A SENSORS FAILURE WARNING DEVICE. CEILING MOUNTED. LOCATED MIN 300MM FROM WALL OR WALL MOUNTED AS HIGH AS POSSIBLE (OVER DOOR OR WINDOW) NOT WITHIN 150MM OF CEILING. WITHIN 1 TO 3 M OF APPLIANCE.

B.W.I.C. - CONTRACTOR TO INCLUDE FOR ALL RELATED BUILDERS WORK IN CONNECTION (B.W.I.C) WITH REVISING AND EXTENDING THE EXTG FIRE / ELECTRIC / ALARM INSTALLATIONS FOR THE PROPOSED LAYOUT. DETAILS SHOWN ARE INDICATIVE.

EMERGENCY LIGHTING - TO BE DESIGNED IN ACCORDANCE WITH BS 5266-1:2011, BS EN 1838-1:1999 (ASO NUMBERED AS BS 5266-7:1999) BS EN 50172:2004(A150) NUMBERED AS BS 5266-8:2004, BS 7671:2008+AMD NO.1:2011 BY AN APPROPRIATELY QUALIFIED SPECIALIST

ELECTRICAL WORKS - INSTALLATION TO INCLUDE ALL ELECTRICAL REQUIREMENTS ASSOCIATED WITH BUILDING, INCLUDING EXTERNAL AREAS. SHOULD ELECTRICAL SITE CONTRACTOR REQUIRE THE SERVICES OF AN ELECTRICAL ENGINEER TO ENSURE CO-ORDINATION OF ALL SYSTEMS ALLOWANCE SHOULD BE MADE WITH THE TENDER PRICING.

CONTRACTOR TO ALLOW FOR ALL COSTS AND ASSOCIATED CHARGES IN CONNECTION WITH PROVISION OF ALL MEMORANDUMS, DRAWINGS, SERVICES, INC BUT NOT LIMITED TO ELECTRIC, BT, ETC. INCLUDING LIASION WITH STATUTORY AUTHORITY, PLACING OF ORDERS & PAYMENT OF ANY FEES AND CO-ORDINATION OF THE SITE INSTALLATION, AND DISTRIBUTION THROUGH THE BUILDING OF THE WHOLE ELECTRICAL INSTALLATION IS TO PROVIDE NEW CONSUMER UNITS, INTERNAL AND EXTERNAL SERVICES INC. INCLUDING ALL BUILDERS WORK IN CONNECTION. THE INSTALLATION IS TO PROVIDE SEPARATE SYSTEMS TO THE PARISH COUNCIL OFFICES AND SCOUT HUT FACILITIES, INC. CONSUMER UNITS AND METERS AS REQUIRED AND MASTER SUPPLY IS UNABLE TO BE PROVIDED.

II ELECTRICAL INSTALLATION TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH BS7671:2008 INCORPORATING AMENDMENT NO.1:2011. INSTALLATION TO COMPLY WITH ELECTRICITY AT WORK REGULATIONS 1989, THE ELECTRICITY SAFETY, QUALITY AND CONTINUITY REGULATIONS 2002 AND BE TESTED SO THAT INSTALLATION COMPLIES WITH BS7671:2008, WITH CERTIFICATE OF COMPLIANCE PROVIDED.

III EXISTING INSTALLATION TO BE CHECKED TO ENSURE A T-RATING AND CONDITION OF EXISTING EQUIPMENT (BOTH CONSUMER AND ELECTRICAL DISTRIBUTIONS) ARE SUITABLE TO CARRY THE ADDITIONAL LOADS ARISING FROM NEW WORKS. B) ADEQUATE PROTECTIVE MEASURES ARE USED. AND C) ALL EXISTING AND PROVIDING ARRANGEMENTS ARE SATISFY ACTORS.

IV WORKS AND PROCEDURES TO COMPLY WITH APPROVED DOCUMENT P. 11) OPERATING. - ALL WORKS TO BE NOT TAKEN BY A QUALIFIED ELECTRICIAN APPROVED MEMBER N.I.C.E.I.C. 12) ALL SWITCHES AND SOCKETS. - TO BE LOCATED BETWEEN 450 AND 1200MM ABOVE FTL, AND WIRED OFF NEW CIRCUITS FROM CONSUMER UNIT. READ IN CONJUNCTION WITH SETTING OUT DIAGRAM.

V) INTRUDER ALARM - REQUIRED. ALLOW FOR PROVISION OF ELECTRICAL SUPPLY TO KEY PAD LOCATIONS, AND EITHER INSTALLATION OF WIRELESS SYSTEM INC. KEY PADS, MAG LOCKS AND PIR DETECTORS AS REQUIRED TO MEET CLIENTS REQUIREMENTS, AND ENSURE CO-ORDINATION OF THE INSTALLATION WITH OTHER TRADES/PROFESIONS.

VI) INTRUDER ALARM INSTALLATION - TO COMPLY WITH BS 4737 AND BE DESIGNED AND INSTALLED FOR MAGNOS5 / NISI GOLD / SILVER APPROVED SYSTEMS SPECIALIST FOR THE DESIGN, SUPPLY, INSTALLATION, TEST AND COMMISSIONING A SYSTEM OF CONCEALED CONDURIBLE ROUTES FOR THE FOLLOWING: ACCESS CONTROL - MAIN EXTERNAL GROUND FLOOR LEVEL DOOR ONLY. INTRUDER ALARM - ALL EXTERNAL AND GROUND LEVEL DOORS, INC STORAGE / GARAGE AREA. EACH ACCESS CONTROLLED DOOR, PROVIDE 150T CONCEALED 20MM DIAMETER CONDURIBLE ROUTES AT BREAK DOOR POSITION. MAGNETIC LOCK TO HEAD OF EACH DOOR LEAF. PROVIDE LOW ENERGY LIGHT FITTINGS (FIXED LIGHTS OR LIGHTING UNITS) TO ALL LIGHT FITTING LOCATIONS.

B) LOW ENERGY LIGHT FITTINGS TO HAVE LAMPS WITH LUMINOUS EFFICIENCY GREATER THAN 45 LAMP LUMENS PER CIRCUIT WATT AND A TOTAL OUTPUT GREATER THAN 400 LAMP LUMENS. LIGHT FITTINGS MAY BE EITHER A) DECEALED FITTINGS - HAVING SEPARATE CONTROL GEAR TAKING ONLY LOW ENERGY LAMPS (66 PIN BASED OR COMPACT FLUORESCENT LAMPS) OR B) STANDARD FITTINGS SUPPLIED WITH LOW ENERGY LAMPS WITH INTEGRATED CONTROL GEAR (E.G. BAYONNETTED SCREW BASE COMPACT FLUORESCENT LAMPS). LIGHT FITTINGS WITH GLS TUNGSTEN FILAMENT LAMPS OR TUNGSTEN HALOGEN LAMPS DO NOT COMPLY. A SINGLE SWITCH TO OPERATE A MAXIMUM 6 LIGHT FITTINGS WITH A MAXIMUM TOTAL LOAD OF 100 CIRCUIT WATTS.

X) EXTERNAL LIGHT FITTINGS - LIGHTING TO BE PROVIDED TO ILLUMINATE ALL EXTERNAL DOORS. ALL FITTINGS TO BE AGREED WITH EMPLOYER PRIOR TO ORDERING. - ALL EXTERNAL LIGHT FITTINGS TO BE EITHER A) I) HAVE A LAMP CAPACITY NOT GREATER THAN 100 LAMP WATTS PER FITTING, AND II) ALL LAMPS ARE AUTOMATICALLY CONTROLLED BY PIR, AND III) ALL LAMPS ARE AUTOMATICALLY CONTROLLED TO SWITCH OFF IN SUFFICIENT DAYLIGHT OR B) I) HAVE A LAMP EFFICIENCY GREATER THAN 45 LUMENS PER CIRCUIT WATT, AND II) HAVE LAMPS THAT AUTOMATICALLY SWITCH OFF IN SUFFICIENT DAYLIGHT, AND III) ARE MANUALLY CONTROLLABLE BY OCCUPANTS.

XI) ALL CABLES TO BE STRAIGHT-VERTICAL AND BE IN LINE WITH SWITCH/SOCKET. AT LABELS & SIGNS TO BE SECURELY FIXED. PROVIDE COMPLETION/TEST CERTIFICATES. ALL TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

XII) INFORMATION TO BE PROVIDED AT COMPLETION BY CONTRACTOR - FULL SET OF AS BUILT INFORMATION FOR INCORPORATION INTO BUILDING MANUAL. **IN COMPLIANCE WITH CDM 2015**

A) ELECTRICAL INSTALLATIONS CARRIED OUT DESCRIBING THE INSTALLATION, INC. ALL WORKS CERTIFIED PRIOR TO PERMANENT LABELS TO ON EARTH CONNECTIONS & BONDS, AND ON CONSUMER UNITS AND RCD'S. AND O OPERATIONAL INSTRUCTIONS AND LOGBOOKS.

XIII) CERTIFICATION/INSPECTION TESTING - ALL TO BE UNDERTAKEN BY REGISTERED COMPETENT PERSON AS SPECIFIED IN APP DOC F. ALL WORKS TO BE INSTALLED AND TESTED IN ACCORDANCE WITH PROCEDURES SET OUT IN BS 7671. PROVIDE CERTIFICATION FROM TO HANDOVER TO BUILDING OCCUPYER/AGENT AND COPY FOR ISSUE TO BUILDING CONTROL.

INCLUDE FOR THE FOLLOWING AS MINIMUM ELECTRIC SPEC:

RECEPTION - 12 DOUBLE 550, 3 X PHONE # DATA POINTS, 8 LIGHT POINTS
FILING AREA - 2 DOUBLE 550, 1 X PHONE # DATA POINT, 4 LIGHT POINTS
TEA STATION - 2 DOUBLE 550, 2 LIGHT POINTS, 2, 5 TP/PUR TO BOLLER # UNDER COUNTER FRIDGE
REST AREA - 2 DOUBLE 550, 1 X PHONE # DATA POINT, 4 LIGHT POINTS
ARCHIVE FILING - 1 DOUBLE 550, 1 X PHONE # DATA POINT, 4 LIGHT POINTS
MEETING ROOM - 5 DOUBLE 550, 2 X PHONE # DATA POINT, 8 LIGHT POINTS
MENS / WOHAR WC - FULL DOC M EMERGENCY ALARM PULL CORDS, WARNING BEACON ETC. EXTRACT FAN
SCOUT HALL
NEW WOHAR / MENS WC - AS MENS WC ABOVE
KITCHEN - 6 DOUBLE 550, 6 LIGHT POINTS, 4 TP/PUR TO BOLLER, UNDER COUNTER FRIDGE, COOKER, EXTRACT FAN,
GARAGE - 4 DOUBLE 550, 4 LIGHT POINTS
STORAGE - 4 DOUBLE 550, 2 LIGHT POINTS
NEW ENTRANCE LOBBY - 2 DOUBLE 550, 6 LIGHT POINTS
GENERAL
EXTRACT FANS TO ALL W.C.S. IF NOT EXIST. WALL / CEILING AS SPEC SWITCHING OFF LIGHTS TO INC. TO NOT EXCEEDING T 23 WATT SWITCHING
EXTERNAL PATHWAY LIGHTS AT INTERVALS TBC BY SPECIALIST DESIGNER IN ACCORDANCE WITH EN 1838 (BS 5266-7)

