



- LEGEND:**

LIGHTING:

 - A** 4200lm RECESSED MOUNTED LUMINAIRE, IP40 RATED
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: OMEGA PRO LED 4200-840
 - AE** AS ABOVE c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: OMEGA PRO LED E3 4200-840
 - AD** DENOTES DIMMABLE IN THE STANDARD AND EMERGENCY FITTINGS
MANUFACTURER: THORN LIGHTING
REF: OMEGA PRO LED HFX 4200-840
 - BE** 4100lm RECESSED MOUNTED LUMINAIRE, IP65 RATED
c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: DUOPROOF LED 4100-840
 - C** 2000lm LED RECESSED DOWNLIGHT WITH DIRECT LIGHT DISTRIBUTION IP65 RATED AS STANDARD.
MANUFACTURER: THORN LIGHTING
REF: CHAL 200 LED 2000-840 HF RSB
 - CE** 2000lm LED RECESSED DOWNLIGHT WITH DIRECT LIGHT DISTRIBUTION IP65 RATED AS STANDARD + 3HR EMERGENCY INTEGRAL BACKUP
MANUFACTURER: THORN LIGHTING
REF: CHAL 200 LED 2000-840 HF RSB E3
 - D** 2500lm SURFACE MOUNTED LUMINAIRE, IP40 RATED
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: NOVALINE LED 2500-840
 - DE** AS ABOVE c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: NOVALINE LED E3 2500-840
 - F** 4300lm SURFACE MOUNTED LUMINAIRE, IP66 RATED
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: AQUAFORCE PRO LED 4300-840
 - FE** AS ABOVE c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: AQUAFORCE PRO LED E3 4300-840
 - G** 4200lm SURFACE MOUNTED LUMINAIRE, IP20 RATED
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: JUPITER 3 LED 4200-840
 - GE** AS ABOVE c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: JUPITER 3 LED E3 4200-840
 - H** 4650lm SURFACE MOUNTED LUMINAIRE, IP44 RATED
c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: COLLEGE LED E3 4650-840
 - I** 4000lm SURFACE MOUNTED LUMINAIRE, IP65 RATED
MANUFACTURER: THORN LIGHTING
REF: FORCE LED 4000 HF
 - IE** AS ABOVE c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: FORCE LED 4000 HF E3
- J** 4900lm SUSPENDED MOUNTED LUMINAIRE, IP40 RATED
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: IQ WAVE LED 4900-840

JE AS ABOVE c/w 3 HOUR INTEGRAL EMERGENCY BACK UP
MANUFACTURER: THORN LIGHTING
REF: IQ WAVE LED E3 4900-840

EXE 1690lm SURFACE MOUNTED LUMINAIRE, IP40 RATED
c/w 3 HOUR INTEGRAL EMERGENCY BACK UP.
COLOUR TEMPERATURE: 4000K
MANUFACTURER: THORN LIGHTING
REF: PIAZZA II LED 1690-840 HF E3 ANT

EX ILLUMINATED EMERGENCY EXIT SIGN

IP IP 65 RATED EXTERNAL MOUNTED BULKHEAD

LIGHTING CONTROLS:

 - PR** PASSIVE INFRA-RED DETECTOR
 - A** LIGHT SWITCH (GANG AS DENOTED)
 - AD** MICROWAVE ABSENCE DETECTION
 - R** MICROWAVE ABSENCE DETECTION WITH DAYLIGHT DIMMING FACILITY
 - D** DENOTES RETRACTIVE SWITCH
 - D** DENOTES DIMMABLE
 - PC** PHOTOCELL
 - TC** TIMECLOCK

FIRE ALARM - BALMORAL SYSTEMS:

 - FAP** FIRE ALARM PANEL
 - FARP** FIRE REPEATER ALARM PANEL
 - SD** SOME DETECTOR c/w SOUNDER AND VISUAL BEACON
 - SD** SMOKE DETECTOR c/w SOUNDER
 - SD** SMOKE DETECTOR
 - HD** HEAT DETECTOR c/w SOUNDER AND VISUAL BEACON
 - HD** HEAT DETECTOR c/w SOUNDER
 - HD** HEAT DETECTOR
 - FAI** FIRE ALARM INTERFACE
 - CP** MANUAL CALL POINT
 - W** WALL MOUNTED FIRE SOUNDER/BEACON
 - ICAM** ASPIRATION DEVICE ICAM
 - DRP** DISABLED REFUGE PANEL
 - DR** DISABLED REFUGE DEVICE (GREEN)

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NOTES:

- LIGHTING TO BE INSTALLED IN A NEAT AND TIDY FASHION, TO BE APPROACHED IN LINE WITH THE BUILDING'S HISTORICAL INTEREST AND WITH THE HERITAGE OFFICERS AGREEMENT PRIOR TO INSTALLATION. INSTALLATION TO BE INSTALLED FLUSH TO THE BUILDING FABRIC WHEREVER POSSIBLE CONTAINED WITHIN CEILING VOIDS OR BOXINGS IN THE CORNER OF ROOMS ETC.

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|-----|-----------------------------------|------------|----|------|
| D | Updated General Arrangement | 24/04/2019 | FL | SM |
| C | Client Logo Amended | 08/04/2019 | FL | KP |
| B | Revision as Clouded | 01/04/2019 | CU | SM |
| A | Updated to Suit Architect Layouts | 07/11/2018 | CU | SM |
| REV | DESCRIPTION | DATE | BY | CHKD |



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IN ASSOCIATION WITH:

PROJECT:
Abacus Belsize Primary School
Hampstead, London

TITLE:
Electrical Services
Proposed Lighting and Fire Alarm Layout
Ground Floor

| | | | |
|-------------|----|--------|------------|
| DRAWN BY: | FL | SCALE: | 1:100 @ A1 |
| CHECKED BY: | SM | DATE: | 12/09/2018 |

STATUS:
TENDER

| | | | | | | | | |
|-------------|----------|------|-------|--------|-------|-------|---------|------|
| DRAWING No: | PROJECT: | ORG: | ZONE: | LEVEL: | TYPE: | ROLE: | NUMBER: | REV: |
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