

APPROVED CONTRACTOR

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with *British Standard 7671 - Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

Block on flats (32-34)

Original (To the person ordering the work)

DETAILS OF THE CLIENT	
Client / Address:	BROUGHTON GRANGE RESIDENTS ASSOCIATION.
DETAILS OF THE INSTALLATION	
Address:	BROUGHTON GRANGE, MINOR ROAD, SWINDON
Extent of the installation covered by this certificate:	Distal 4 Way Distribution Board to supply double socket in entrance to flats
	The installation is: New <input checked="" type="checkbox"/> An addition <input type="checkbox"/> An alteration <input type="checkbox"/>

DESIGN									
<p>I/We, being the person(s) responsible for the design of the electrical installation (as indicated by my/our signature(s) below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the departures, if any, detailed as follows:</p> <p>Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):</p> <p>The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate. For the DESIGN of the installation: **(Where there is divided responsibility for the design)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Signature</td> <td style="width: 15%;">Date</td> <td style="width: 30%;">Name (CAPITALS)</td> <td style="width: 25%; text-align: right;">Designer 1</td> </tr> <tr> <td>Signature</td> <td>Date</td> <td>Name (CAPITALS)</td> <td style="text-align: right;">** Designer 2</td> </tr> </table>		Signature	Date	Name (CAPITALS)	Designer 1	Signature	Date	Name (CAPITALS)	** Designer 2
Signature	Date	Name (CAPITALS)	Designer 1						
Signature	Date	Name (CAPITALS)	** Designer 2						

CONSTRUCTION					
<p>I/We, being the person(s) responsible for the construction of the electrical installation (as indicated by my/our signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the construction work for which I/we have been responsible is, to the best of my/our knowledge and belief, in accordance with BS 7671 amended to (date) except for the the departures, if any, detailed as follows:</p> <p>Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):</p> <p>The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the CONSTRUCTION of the installation:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Signature</td> <td style="width: 15%;">Date</td> <td style="width: 30%;">Name (CAPITALS)</td> <td style="width: 25%; text-align: right;">Constructor</td> </tr> </table>		Signature	Date	Name (CAPITALS)	Constructor
Signature	Date	Name (CAPITALS)	Constructor		

INSPECTION AND TESTING									
<p>I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671, amended to (date) except for the departures, if any, detailed as follows:</p> <p>Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):</p> <p>The extent of liability of the signatory/signatories is limited to the work described above as the subject of this certificate. For the INSPECTION AND TESTING of the installation:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Signature</td> <td style="width: 15%;">Date</td> <td style="width: 30%;">Signature</td> <td style="width: 25%; text-align: right;">Reviewed by</td> </tr> <tr> <td>Name (CAPITALS)</td> <td>Inspector</td> <td>Name (CAPITALS)</td> <td style="text-align: right;">Qualified Supervisor †</td> </tr> </table>		Signature	Date	Signature	Reviewed by	Name (CAPITALS)	Inspector	Name (CAPITALS)	Qualified Supervisor †
Signature	Date	Signature	Reviewed by						
Name (CAPITALS)	Inspector	Name (CAPITALS)	Qualified Supervisor †						

DESIGN, CONSTRUCTION, INSPECTION AND TESTING *		* This box to be completed only where the design, construction, inspection and testing have been the responsibility of one person.								
<p>I, being the person responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, inspection and testing, hereby CERTIFY that the said work for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671, amended to (date) except for the departures, if any, detailed as follows:</p> <p style="text-align: right;">2011</p> <p>Details of departures from BS 7671, as amended (Regulations 120.3, 120.4):</p> <p>The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the DESIGN, the CONSTRUCTION and the INSPECTION AND TESTING of the installation.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Signature</td> <td style="width: 15%;">Date</td> <td style="width: 30%;">Signature</td> <td style="width: 25%; text-align: right;">Reviewed by</td> </tr> <tr> <td>Name (CAPITALS)</td> <td></td> <td>Name (CAPITALS)</td> <td style="text-align: right;">Qualified Supervisor ††</td> </tr> </table>			Signature	Date	Signature	Reviewed by	Name (CAPITALS)		Name (CAPITALS)	Qualified Supervisor ††
Signature	Date	Signature	Reviewed by							
Name (CAPITALS)		Name (CAPITALS)	Qualified Supervisor ††							

† Where the inspection and testing have been carried out by an Approved Contractor, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.
 †† Where the design, the construction, and the inspection and testing have been the responsibility of one person, the inspection and testing results are to be reviewed by the registered Qualified Supervisor.

Please see the 'Notes for Recipients' on the reverse of this page.

PARTICULARS OF THE ORGANISATION(S) RESPONSIBLE FOR THE ELECTRICAL INSTALLATION			
DESIGN (1)	Organisation †	Address:	NICEIC Enrolment No (where appropriate)
		Postcode	Branch number: (if applicable)
DESIGN (2)	Organisation †	Address:	NICEIC Enrolment No (where appropriate)
		Postcode	Branch number: (if applicable)
CONSTRUCTION	Organisation <i>Alexander Electrical Services</i>	Address: <i>1 Yalmsouth Grove Swindon</i>	NICEIC Enrolment No (Essential information) <i>027139</i>
		Postcode <i>SN3 1ET</i>	Branch number: (if applicable) <i>—</i>
INSPECTION AND TESTING	Organisation †	Address:	NICEIC Enrolment No (where appropriate)
		Postcode	Branch number: (if applicable)

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS			Tick boxes and enter details, as appropriate	
System Type(s)	Number and Type of Live Conductors	Nature of Supply Parameters	Characteristics of Primary Supply Overcurrent Protective Device(s)	
TN-S	a.c. <input checked="" type="checkbox"/> d.c.	Nominal voltage(s): V $U_0^{(1)}$ <i>230 V</i>	BS(EN) <i>1361</i>	
TN-CS <input checked="" type="checkbox"/>	1-phase (2 wire) <input checked="" type="checkbox"/> 1-phase (3 wire)	Nominal frequency, $f^{(1)}$ <i>50 Hz</i>	Type <i>11b</i>	
TN-C	2-phase (3 wire)	Prospective fault current, $I_{pf}^{(2)(3)}$ <i>1.43 kA</i>	Rated current <i>100 A</i>	
TT	3-phase (3 wire)	External earth fault loop impedance, $Z_e^{(2)(3)}$ <i>0.2 Ω</i>	Short-circuit capacity <i>3.7 kA</i>	
IT	Other <small>Please state</small>	Number of supplies <i>1</i>		

PARTICULARS OF INSTALLATION AT THE ORIGIN			Tick boxes and enter details, as appropriate		
Means of Earthing		Details of Installation Earth Electrode (where applicable)			
Distributor's facility: <input checked="" type="checkbox"/>	Type: (eg rod(s), tape etc)	Location:			
Installation earth electrode: <input checked="" type="checkbox"/>	Electrode resistance, R_A : <i>1 (Ω)</i>	Method of measurement:			
Main Switch or Circuit-Breaker		Maximum Demand (Load): <i>3 kVA / Amps</i>	Protective measures against electric shock: <i>ADS</i>		
<small>* (applicable only where an RCD is suitable and is used as a main circuit-breaker)</small>					
Type: BS(EN) <i>61008</i>	Voltage rating <i>230 V</i>	Earthing conductor		Earthing and Protective Bonding Conductors	
No of Poles <i>2</i>	Rated current, I_n <i>100 A</i>	Conductor material <i>Cu</i>	Main protective bonding conductors		Bonding of extraneous-conductive-parts (✓)
Supply conductors material <i>Cu</i>	RCD operating current, $I_{\Delta n}$ <i>30 mA</i>	Conductor csa <i>16 mm²</i>	Conductor material <i>NA</i>	Water service	Gas service
Supply conductors csa <i>25 mm²</i>	RCD operating time (at $I_{\Delta n}$) <i>28 ms</i>	Continuity check <input checked="" type="checkbox"/> (✓)	Conductor csa <i>mm²</i>	Oil service	Structural steel
			Continuity check (✓)	Lightning protection	Other incoming service(s)

COMMENTS ON EXISTING INSTALLATION
In the case of an alteration or additions see Section 633 <i>✓</i>

Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation.

NEXT INSPECTION	Enter interval in terms of years, months or weeks, as appropriate
I/We, the designer(s), RECOMMEND that this installation is further inspected and tested after an interval of not more than	<i>5 YEARS</i>

† Where the Approved Contractor responsible for the construction of the electrical installation has also been responsible for the design and the inspection and testing of that installation, the 'Particulars of the Organisation responsible for the Electrical Installation' may be recorded only in the section entitled 'CONSTRUCTION'.

‡ Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

SCHEDULE OF ITEMS INSPECTED		† See note below
PROTECTIVE MEASURES AGAINST ELECTRIC SHOCK		
Basic and fault protection		
Extra low voltage		
NA SELV	NA PELV	
Double or reinforced insulation		
NA Double or Reinforced Insulation		
Basic protection		
✓ Insulation of live parts	✓ Barriers or enclosures	
NA Obstacles **	NA Placing out of reach **	
Fault protection		
Automatic disconnection of supply		
✓ Presence of earthing conductor		
✓ Presence of circuit protective conductors		
✓ Presence of main protective bonding conductors		
NA Presence of earthing arrangements for combined protective and functional purposes		
NA Presence of adequate arrangements for alternative source(s), where applicable		
NA FELV		
✓ Choice and setting of protective and monitoring devices (for fault protection and/or overcurrent protection)		
Non-conducting location **		
NA Absence of protective conductors		
Earth-free equipotential bonding **		
NA Presence of earth-free equipotential bonding		
Electrical separation		
NA For one item of current using equipment		
NA For more than one item of current using equipment **		
Additional protection		
✓ Presence of residual current device(s)		
NA Presence of supplementary bonding conductors		
** For use in controlled supervised/conditions only		
Prevention of mutual detrimental influence		
✓ Proximity of non-electrical services and other influences		
NA Segregation of Band I and Band II circuits or Band II insulation used		
NA Segregation of Safety Circuits		
Identification		
✓ Presence of diagrams, instructions, circuit charts and similar information		
✓ Presence of danger notices and other warning notices		
✓ Labelling of protective devices, switches and terminals		
✓ Identification of conductors		
Cables and Conductors		
✓ Selection of conductors for current carrying capacity and voltage drop		
NA Erection methods		
NA Routing of cables in prescribed zones		
NA Cables incorporating earthed armour or sheath or run in an earthed wiring system, or otherwise protected against nails, screws and the like		
NA Additional protection by 30mA RCD for cables concealed in walls (where required, in premises not under the supervision of skilled or instructed persons)		
✓ Connection of conductors		
NA Presence of fire barriers, suitable seals and protection against thermal effects		
General		
✓ Presence and correct location of appropriate devices for isolation and switching		
✓ Adequacy of access to switchgear and other equipment		
NA Particular protective measures for special installations and locations		
NA Connection of single-pole devices for protection or switching in line conductors only		
✓ Correct connection of accessories and equipment		
NA Presence of undervoltage protective devices		
✓ Selection of equipment and protective measures appropriate to external influences		
✓ Selection of appropriate functional switching devices		

SCHEDULE OF ITEMS TESTED		† See note below
✓ External earth fault loop impedance, Z_e		
NA Installation earth electrode resistance, R_A		
✓ Continuity of protective conductors		
NA Continuity of ring final circuit conductors		
✓ Insulation resistance between live conductors		
✓ Insulation resistance between live conductors and Earth		
NA Protection by separation of circuits		
NA Basic protection by barrier or enclosure provided during erection		
NA Insulation of non-conducting floors or walls		
✓ Polarity		
✓ Earth fault loop impedance, Z_s		
NA Verification of phase sequence		
NA Operation of residual current devices		
✓ Functional testing of assemblies		
✓ Verification of voltage drop		

SCHEDULE OF ADDITIONAL RECORDS* (See attached schedule)		Page No(s)
Note: Additional page(s) must be identified by the Electrical Installation Certificate serial number and page number(s).		

† All boxes must be completed. '✓' indicates that an inspection or a test was carried out and that the result was satisfactory. 'N/A' indicates that an inspection or test was not applicable to the particular installation.
 * Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).

