ELECTRICAL INSTALLATION CONDITION REPORT

(1	(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS - BS/6/1 (IET WIRING REGULATIONS))					
Details of the Client 1						
Details of the RIBA 22 Mourne Lincoln		Client reque	oducing the report: uest			
	LN5 9AH					
	Details of the	o Installatio	ion 2			
Occupier and		ic mstanati	2			
Student Le	etting	Description of pr	premises: Domestic			
26 York Av	venue	Estimated age of	of wiring system(years):			
Lincoln			ditions / alterations: Ma			
		Installation recor available:	age: (years)			
	Extent and Limitations	of Inspectio	on and Testing 3			
Extent of insta	allation covered by this report:					
Whole of e	electrical installation					
Agreed and o	perational limitations on inspection and testing (include rea	asons and person	n agreed with):			
The inspection and testing detailed in this report and accompanying schedules has been carried out in accordance with BS7671:2008 (IET Wiring Regulations) as amended to No. 1 - July 2011 . Cables concealed within trunking and conduits, under floors, in roof spaces, and generally within the fabric of the building or underground, have not been inspected unless specifically agreed between the client and inspector prior to the inspection.						
	Summary of the Cond	dition of the	e Installation 4			
See page 2 fo	or a summary of the general condition of the installation in	erms of electrical	al safety.			
Overall asses	sment of the installation in terms of it's suitability for contin	ued use*:	Unsatisfactory			
*An unsatisfa	ctory assessment indicates that dangerous (Code C1) and	or potentially dan	ingerous (Code C2) conditions have been identified.			
	Decla	aration	5			
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 declare that the information in this report, including the observations and attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations listed above.						
Inspected	and Tested by:	Report re	eviewed and authorised for Issue by:			
Name:	STEPHEN MARK	Name:	JAMIE COLLINS			
Position:	ELECTRICIAN	Position:	QUALIFIED SUPERVISOR			
Date:	4/8/2014	Date:	04/08/2014			
Signature:	S-MARK	Signature:	J-<のLしい~5			

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Deta	ails of the C	contractor	Respons	sible fo	or the Ins	pection	and Te	sting		
Company and Address inc	cluding postcode:									
SM Electrical Services 22 Harwich Close				Teleph	one Number:		01:	01522 536719		
Lincoln				CPS P	rovider:			NICEIC		
			LN5 9UG	CPS R	egistration No	:		D100125		
			Recomm	endati	ons					7
Where the overall assessing that any observations classified as Observations classified as	sified as 'Code 1 is recommended	- Danger Presed for observation	ent' or 'Code 2 ns identified a	? - Potentians 'Further	illy dangerous' Investigation F	' are acted 'Required'.				nend
General condition of the ir	stallation in terms	s of electrical sa	afety:							
Satisfactory following	g remedial action	on.								
Subject to the necessary (remedial action be	eing taken, I/we	recommend t	that			_			
the installation is further in		•			3 то	nths				
	Supp	ly Charact	teristics	& Earth	ning Arra	ngemei	nts			8
System Earthing Arranger	ment:	TN-C-S	3 1	No. & Туре	e of Live Cond	uctors:	a.c.	1 phase	- 2 wire	
Other Sources of Supply		N/A	<u>'</u> A I	Nominal V	oltage ⁽¹⁾	l	J ₀ 230	v U		V
(to be detailed on attached sche Supply Pr	dules) otective Devi				requency, f ⁽¹⁾		50	Hz		·
BS(EN): 1361	Ту	ype:	E	External Lo	oop Impedanc	e, Z _e ⁽²⁾	.33	Ω	⁽¹⁾ By Enqu	iry
Rating: 60 A	Breaki capac		kA [Prospectiv	e Fault Curren	nt, I _{pf} ⁽²⁾	.729	kA	(2) By Enqu measureme	
		Partic	culars of	the Ins	stallation					9
Maximum Demand (Load)	60 A Fau	ult tection:	A	ADS		Main	Switch o	r Circuit-	breaker	
Means of Earthing	Ele	ectrode Deta	ils (if applica	able)	Location:			erstairs		
Distributors Facility:	Тур	e:	N/A		BS(EN):	60947-3	7 Volt Rat	age ing:	230	V
Installation Earth Electrode:	N/A Loc	cation:	N /A		Type:		RCI	D Operating	g N/A	mA
Licetious.	Res Ear	sistance to	N/A		Current Rating:	100	, RCI	D Rated e delay	N/A	ms
Main Protective Cor		ui.		Ω	No. of poles:	2	, RCI	D Operating at I _{An}	g <i>N/A</i>	ms
Earthing Conductor:			Continuity 9		1		uille	at IVN		
Material Copp	_	<i>16</i> mm²	Continuity & Connection	✓	Other Bond	ded _W	Vater:	✓ O	il:	N/A
Main Protective Bonding (10	Continuity &		Services:	G	Sas: ^	<i>I/A</i> S	teel:	N/A
Material Copp	er Csa:	10 mm²	Connection			C	Other:			

Reference Number:

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	Observations		_
	Referring to the attached schedules of inspection and test results, and subject to the limitations specified on page 1		Further Investigation Required:
Observation No:	of this report under 'Extent and Limitations of Inspection and Testing':	_	tiga
ion		aţio	IVes
Na	No remedial action is required: N/A The following observations are made:	 Ei	ar Ir ired
esq		Classification Code:	urth
	Observation(s):		正区
1	Gas not bonded to correct location	C2	X
2	Kitchen downlights x 7 are not fire rated and 1 not secured	C2	X
3	2 smoke alarmsnot fitted and no heat detector to kitchen	<i>C2</i>	X
4	Bathroom downlights are not IP65 rated or secured	C2	X
5	No RCD test label	<i>C2</i>	X
\vdash			
\vdash			
-			
-			
<u> </u>			
\vdash			
-			
-			
<u> </u>			
0 1	C1 Indicates that danger is present. Immediate remedial action required		

Code C2 Indicates that an item is potentially dangerous. Urgent remedial action required.

Code C3 Indicates that improvement is recommended.

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Domestic and similar premises with up t	o 100A supply - Inspection Schedule ((1)	
This inspection schedule is suitable for many types of smaller installation are	nd is not exclusively domestic	a)	igation ed
		Outcome	sstiga Lired
1 - DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT	Comments	Out	
Service cable condition		✓	X
Condition of service head		✓	X
Condition of tails - Distributor		✓	X
Condition of tails - Consumer		✓	X
Condition of metering equipment		✓	X
Condition of isolator (where present)		✓	X
2 - PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS		N/A	X
3 - EARTHING / BONDING ARRANGEMENTS			
Presence and condition of distributor's earthing arrangement		✓	X
Presence and condition of earth electrode connection where applicable		N/A	X
Provision of earthing / bonding labels at all appropriate locations		✓	X
Confirmation of earthing conductor size		✓	X
Accessibility and condition of earthing conductor at MET		✓	X
Confirmation of main protective bonding conductor sizes		✓	X
Condition and accessibility of main protective bonding conductor connections		✓	X
Accessibility and condition of all protective bonding connections		✓	X
4 - CONSUMER UNIT(S) / DISTRIBUTION BOARDS(S)			
Adequacy of working space / accessibility to distribution board		✓	X
Security of fixing		✓	X
Condition of enclosure(s) in terms of IP rating etc		✓	X
Condition of enclosure(s) in terms of fire rating etc		✓	X
Enclosure not damaged / deteriorated so as to impair safety		✓	X
Presence of main linked switch		✓	X
Operation of main switch (functional check)		✓	X
Manual operation of circuit-breakers and RCD's to prove disconnection		✓	X
Correct identification of circuit details and protective devices		✓	X
Presence of RCD quarterly test notice at or near distribution board		C2	X
Presence of non-standard (mixed) cable colour warning notice at or near distribution board		N/A	X
Presence of alternative supply warning at or near distribution board		N/A	X
Presence of other required labelling (please specify)		/	X
Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)		V	X
Single-pole protective devices in line conductor only		✓	X

Domestic and similar premises with up t	o 100A supply - Inspection Schedule (2	2)	
This inspection schedule is suitable for many types of smaller installation at	nd is not exclusively domestic	a)	Further investigation
		Outcome	ther sstig
4 - CONSUMER UNIT(S) / DISTRIBUTION BOARDS(S) (continued)	Comments	Out	
Protection against mechanical damage where cables enter distribution board		✓	X
Protection against electromagnetic effects where cables enter		✓	X
distribution board / enclosures RCD(s) provided for fault protection - includes RCBOs		✓	X
RCD(s) provided for additional protection - includes RCBOs		/	X
5 - FINAL CIRCUITS			7 .
Identification of conductors		/	X
Cables correctly supported throughout their run		✓	X
Condition of insulation of live parts		✓	X
Non-sheathed cables protected by enclosure in conduit, ducting or trunking		/	X
To include the integrity of conduit and trunking systems(metallic and plastic) •		✓	X
Adequacy of cables for current-carrying capacity with regard for the type and nature of installation		/	X
Coordination between conductors and overload protective devices		✓	X
Adequacy of protective devices: type and rated current for fault protection		/	X
Presence and adequacy of circuit protective conductors		✓	X
Wiring system(s) appropriate for the type and nature of the installation and external influences		/	X
Concealed cables installed in prescribed zones (see Extent and limitations)		✓	X
Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see Extent and limitations)		✓	X
Provision of additional protection by RCD not exceeding 30mA:			
for all socket outlets of rating 20A or less provided for use by ordinary persons unless an exception is permitted		✓	X
for supply to mobile equipment not exceeding 32A rating for use outdoors •		/	X
for cables concealed in walls or partitions •		✓	X
Provision of fire barriers, sealing arrangements and protection against thermal effects		✓	X
Band II cables segregated / separated from Band I cables		N/A	X
Cables segregated / separated from communications cabling		N/A	X
Cables segregated / separated from non-electrical services		N/A	X
Termination of cables at enclosures - indicate extent of sampling in Extent and Limitations of the report			
Connections soundly made and under no undue strain •		✓	X
No basic insulation of a conductor visible outside enclosure •		✓	X
Connections of live conductors adequately enclosed •		✓	X
Adequately connected at point of entry to enclosure (glands, bushes etc.) •		✓	X
Condition of accessories including socket-outlets, switches and joint boxes		✓	X
Suitability of accessories for external influences		✓	X

Domestic and similar premises with up	p to 100A supply - Inspection Schedule	(2)	
This inspection schedule is suitable for many types of smaller installatio	n and is not exclusively domestic	41	Further investigation required
		Outcome	ner stiga iired
6 - LOCATION(S) CONTAINING A BATH OR SHOWER	Comments	Outc	inveringer
Additional protection for all low voltage (LV) circuits by RCD no exceeding 30m		V	X
Where used as a protective measure, requirements for SELV or PELV me		V	X
Shaver sockets comply with BS EN 61558-2-5 formerly BS353	25	V	X
Presence of supplementary bonding conductors, unless not require by BS7671:200	ed	✓	X
Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone	1	/	X
Suitability of equipment for external influences from installed locatio in terms of IP ratin		C2	X
Suitability of equipment for installation in a particular zon		✓	X
Suitability of current-using equipment for particular position withithe locatio		✓	X
7 - OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS			
List all other special installations or locations present, if an (Record separately the results of particular inspections applied			
			н
			ш
			ш
			ш
			ш
Inspected by:			
Name: STEPHEN MARK	Date: 4/8/2014		
Position: ELECTRICIAN	Signature: S-MARK		
✓ : Acceptable condition. C1 or C2 : Unacceptable condition. C3 : Impro	ovement recommended. N/V : Not verified. LIM : Limitation. N/A	: Not apr	olicable

Circuit Details This form is based on the model shown in Appendix 6 of BS7671:2008 amended 2011. ᆬ Generated by Castline Systems FormFill software. © July 2011. **Distribution Board Comments:** Reference Number: Circui Number 12 11 10 9 00 0 9 4 W **** Sockets Smokes Spare Lighting Spare Spare Spare Spare Sockets Sockets Lighting Not used DEICR 334 A. In conduit in thermally insulated wall D. Direct buried or in ducting or conduit in ground E & F. In free air or on cable tray or ladder touching C. Clipped direct G. In free air on cable tray or ladder spaced DB Reference: Circuit Description Supplied from: Board Manufacturer: *Codes for Installation methods 100. Above plasterboard ceiling, insulation <100mm
 101. Above plasterboard ceiling, insulation >100mm
 102. Insulated stud wall, touching inner wall
 103. Insulated stud wall, not touching inner wall Twin & Earth cable only: DB1 Circuit Details Meter DB Location: Lighting Circuit Lighting Circuit Radial Circuit Ring Circuit Ring Circuit Ring Circuit Circuir Category Device Rating: Overcurrent Device: 14 Ś 0.4 0.4 0.4 0.4 0.4 0.4 **Understairs** 60898 60898 60898 60898 60898 60898 Device RS (EN) 100 B В B Ø B B 32 32 32 0 0 0 Device Rating (4) 1361 RCD time delay: 6 6 6 0 6 Device Breaking Capacin (kg) 9 30 30 30 7.6666 RCD Operating Current: 7.6666 7.6666 1666 1666 1666 time at I_n RCD Operating \checkmark \checkmark Δ \mathbf{A} \checkmark Δ 0 0 0 0 0 0 Installation Methods. Page 2.5 2.5 2.5 Live Csa (mm?) V **№ X X** Cac esa (mm3) 으 ms Ą A PVC/PVC B C D E
PVC Cables PVC Cables PVC Cables F PVC/SWA G Codes for XLPE/SWA Mineral Cables in metallic in non-metallic in metallic in non-metallic Cables Cables type of wiring: 9 conduit conduit trunking trunking ORIGINAL

iest Results Tested by: Date: Name: Signature: Reference Number: 12 11 10 0 9 9 00 4 W **N** <u></u> <u></u> <u></u> DEICR 334 .39 28 36 ひ・アクラス <u></u> N/A .39 .29 .36 04/08/2014 Pr (neutral) STEPHEN MARK ≷ .87 .. 76 ≷ .82 B/60cj circuit continuity Ring final .39 .38 .38 :32 . 19 .38 Prxps DB Reference: *N*/A **N**/A N/A <u></u> **№** 2 N/A *N*// *N*/A <u></u> $\overset{\textstyle >}{\mathbb{A}}$ N/A Continuity (Ω) live-live Other: RCD: Continuity: Test instrument serial numbers: 500 500 500 500 500 500 Live Neutral Stephen 07230206 500 500 500 500 500 Stephen 07230206 Live Earth Resistance $(M\Omega)$ 500 500 500 500 500 500 DB1 Neutral-Carty Insulation **Test Results** Earth fault loop impedance: Earth electrode resistance: Insulation resistance: .38 .23 .42 23 .29 Measured ts (9) </r> <u></u> 38 38 38 DB Location: <u></u> <u></u> N/A 18 18 18 @5/m Deration Operation (ms) Stephen 07230206 Stephen 07230206 Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory Satisfactory following fitting of 2 smoke alarms RCD Understairs Zs: <u>₹.</u> Details of circuits and/or installed equipment vulnerable to damage when testing Distribution Board Characteristics .33 .729 n n Nominal Voltage: No. of phases: Circuit Comments 230 Polarity: Phase rotation: **≥**

ORIGINAL

ELECTRICAL INSTALLATION CONDITION REPORT GUIDANCE FOR RECIPIENTS

This Report is an important and valuable document which should be retained for future reference.

The purpose of this Condition Report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section 4). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.

The person ordering the Report should have received the "original" Report and the inspector should have retained a duplicate.

The "original" Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner /occupier with details of the condition of the electrical installation at the time the Report was issued.

Where the installation incorporates a residual current device (RCD) there should be a notice at or near the device stating that it should be tested quarterly. For safety reasons it is important that this instruction is followed.

Section 3 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in section 3 - Extent and Limitations on page 1.

For items classified in the observations as C1 ("Danger present"), the safety of those using the installation is at risk, and it is recommended that a competent person undertakes the necessary remedial work immediately.

For items classified in the observations as C2 ("Potentially dangerous"), the safety of those using the installation may be at risk and it is recommended that a competent person undertakes the necessary remedial work as a matter of urgency.

Where it has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated as soon as possible. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section 7 - Recommendations).

For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a competent person. The recommended date by which the next inspection is due is stated on page 2 of the Report under 'Recommendations' and on a label at or near to the consumer unit / distribution board.