PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

	ance with British Standard BS 7671- Hequirements for Electrical Installations						
A. DETAILS OF THE CLIENT Client: Co Royal Collerings Address:	57 CASTLE STREET CANTERBURY KENT CF1 2PY						
Purpose for which this report is required: Progresty Let out.	eport must be used only for reporting on the condition of an existing installation.						
C. DETAILS OF THE INSTALLATION Occupier:	Domestic Commercial Industrial Description of premises:						
Address: 45 Prest Avenue	Other: (Please state)						
Address: 45 Prest Avenue Conterbury Heal	Estimated age of the electrical installation: 20 years						
Postcode: C/2	or additions / estimated age / years						
Records of installation available: Records held by:							
D. EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING Extent of the electrical installation covered by this report: Consumer unit and all outgoing cercuit. Agreed limitations (including the reasons), if any, on the inspection and testing:							
This inspection has been carried out in accordance with BS 7671, as amended, under floors, in inaccessible roof spaces and generally within the fabric of the b	Cables concealed within trunking and conduits or cables and conduits concealed						
exercised reasonable skill and care when carrying out the inspection and testing, hereby declar (see H), provides an accurate assessment of the condition of the electrical installation taking into I/We further declare that in my/our judgement, the said installation was overall in was carried out, and that it should be further inspected as recommended (see I).	as indicated by my/gur signatures below), particulars of which are described above (see C), having that the information in this report, including the observations (see F) and the attached schedules account the stated extent of the installation and the limitations of the inspection and testing (see D). Condition (see G) at the time the inspection (Insert'a satisfactory' or 'an unsatisfactory', as appropriate)						
INSPECTION, TESTING AND ASSESSMENT BY:	REPORT REVIEWED AND CONFIRMED BY: † See note below						
Signature:	Signature: N - Brouksto						
Name: (CAPITALS) Position: Qualifying Supervisor Date: 12-8-2009	Name: N. BROCKCERINK						
Position: Qualifying Supervisor							
Date: 12-8-2009	Date: 20 - 8 - 2009						

† The completed report should preferably be reviewed by another competent person to confirm that the declared overall condition of the electrical installation is consistent with the inspection and test results, and with the observations and recommendations for action (if any) made in the report.

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F. OBSER	ATIONS AND RECOMMENDA	ATIONS FOR ACTIONS TO BE TAKEN	
	Referring to the attached schedules	s of inspection and test results, and subject to the limitations at D:	
	There are no item	ns adversely affecting electrical safety.	
		or	
Item No		ervations and recommendations are made.	ode †
1 /	-00		oue
con	owner unit does	not meet current regulations. should now be dual RCD Board	
Sin	yle RCD Bourd	should now be dual RCD Board	4
· — ·			
<u> </u>			
8	15 464		
<u> </u>			
1			
	Note: If nanopage, gentinue on additional new	cos(a) which must be identified by the Decision Inspection County day.	
A. 1		es(s), which must be identified by the Periodic Inspection Report date and page number(s).	
		e of the following codes against each observation to indicate the action (if any) recommended:- requires improvement' or	
		does not comply with BS 7671'	
Please see the	everse of this page for guidance regarding	g the recommendations.	
Urgent remedia	work recommended for Items:	Corrective action(s) recommended for Items:	
		CONTROLLED GOLDS, TOSCHMINITED TO ILUMS.	
G. SUMM	ARY OF THE INSPECTION		
General conditi	n of the installation:		
1			
1	Joer condition for	age.	
	Note: If necessary continue on additional pegal	(s), which must be identified by the Periodic Inspection Report date and page number(s).	
Date(a) ataba		Overall apparament	
Date(s) of the in	spection: 12-8-200	of the installation:	
		(Entry should read either 'Satisfactory' or 'Unsatisfac	ctory')
			1
		Page 2 of	0



H. SCHEDULES AND ADDITIONAL PAGES

Schedule of Items Inspected and Schedules of Items Tested: Page No 4

Additional pages, including additional source(s) data sheets:

Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 5

Schedule of Test Results for the Installation: Page No(s)

The pages identified here form an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than

provided that any items at F which have been attributed a Recommendation Code 1 (requires urgent attention) and Code 2 (requires improvement) are remedied without delay and as soon as possible respectively. Items which have been attributed a Recommendation Code 3 should be actioned as soon as practicable (see F).

J. DETAILS OF ELECTRICAL CONTRACTOR

Trading Title:

N. Brocklebank

Address:

IT

Stow Form lollage Riverside Chartham

Postcode: CT4 7NX

Telephone number: 01227 730006

01227 730006 Fax number:

(4) by measurement

K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS Tick boxes and enter details, as appropriate Number and Type of Live Conductors **Nature of Supply Parameters** * Characteristics of Primary Supply Nominal U (1) voltage(s): Overcurrent Protective Device(s) U," 230 V TN-S d.c. Nominal frequency, $f^{(i)}$ 1-phase 2 pole BS(EN) 88 TN-C-S Notes: (2 wire) (1) by enquiry Prospective fault current, I_{pf} (2)(3) 2-phase (2) by enquiry or by TN-C 3-pole (3 wire) External earth fault loop impedance, $Z_e^{(3)(4)}$ 3-phase (3) where more than 3-phase other TT one supply, record the higher or highest values Rated current (3 wire) (4 wire) Please state Number of supplies

L. PARTICULA	RS OF INS	TALLA	ΓIO	N AT TH	E ORIGII	V	Tick boxes and	l enter det	ails, a	s appropria	ate			
→ Means of Earthing	Details of Installation Earth Electrode (where applicable)													
Distributor's facility:	Type: (eg rod(s), tape etc)													
Installation earth electrode:	Electrode (Ω) Method (Ω) measurement (Ω)													
*Main Switch or Circuit-Breaker *Iapplicable only where an RCD is suitable and is used as a main circuit-breaker Maximum Demand (Load): *Demand (Load): *Delete as appropriate Amps Protective measure(s) A . O . O . 5														
Type: 4293 BS(EN) 4293	Voltage rating	230	٧	Earthi	ng conductor	E	arthing and Prot Main protective be				ctors ling of extraneous-conductive-parts (✓)			
No of Poles 2	Rated current, I _n	80	А	Conductor material	opper		Conductor material	Opper		Water service	Gas service	~		
Supply conductors: Copyo Conductors:	RCD operating current, I _{\Di} *	30	mΑ	Conductor	10	mm²	Conductor csa	10	mm²	Oil service	Structural steel			
Supply conductors: 16 mm	RCD operating time (at $I_{\Delta n}$) *	13	ms	Continui ched		(√)	Continuity check	V	(1)	Lightning protection	Other incoming service(s)			

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.

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

indicates that an inspection or a test was carried out and that the result was satisfactory

indicates that an inspection or a test was carried out and that the result was unsatisfactory

'N/A' indicates that an inspection or a test was not applicable to the particular installation

"LIM" indicates that, that exceptionally, a limitation agreed with the person ordering the work (as recorded in Section D) prevented the inspection or test being carried out.

SCHEDULE OF CIRCUIT DETAILS FOR THE INSTALLATION

TO BE COMPLETED IN EVERY CASE	TO BE COMPLETED ONLY IF THE DIST	TRIBUTION BOARD IS NOT CONN	ECTED DIREC	TLY TO THE ORIGI	N OF THE INSTALLATIO	DN*
Location of distribution board:	Supply to distribution board is from:			No of phases:	Nominal voltage:	v
	Overcurrent protective device for the	distribution circuit:		Associated any): BS(EN)		
Distribution board designation:	Type: BS(EN)	Rating:	А	RCD No of poles:	$I_{\Delta n}$	mA

	CIRCUIT DETAILS												
iber	Circuit designation	elow)	1	pa	Cir conduc	cuit tors: csa	ection	Overcurrent	protect	ive devic	es	RCD	1797
Circuit number and phase		Type of wiring (see code below)	Reference method	Number of points served	Live (mm²)	cpc (mm²)	Max. disconnection integration by BS 7671	BS (EN)	Type No	(E) Rating	Short-circuit E capacity	S Operating S current, I _{2n}	(5) Maximum Z _s permitted by BS 7671
/	Oven	A	100	1	6	7.5	04	3871	2	30	3		0.87
2	Souther Unhair	A	100	4	2-5	15	04	3871	2	30	3	30	087
3	Soulet Downstown	A	100	10	7-)-	1.5	04	7871	2	30	3	30	0.87
4	Wester Healer	A	100	1	2.5	1.5	0 4	3871	2	15	3	30	1-75
5	Doronskeen light	A	100	9	1-0	1.0	04	3871	2	5	3	30	5.26
6	Vrekees light.	A	100	6	10	1.0	04	387/	2	5	3	30	5-26
	/												
								<u> </u>					
							i				-		
						ge 2							

[↑] See Table 4A2 of Appendix 4 of BS 7671.

	CODES FOR TYPE OF WIRING											
Α	В	C	D	E	F	G	Н	0 (Other - please state)				
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral- insulated cables					

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* In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided.

SCHEDULE OF TEST RESULTS FOR THE INSTALLATION

TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION Characteristics at this distribution board					Test ins	truments (serial numbers) used:
★ See note below	Co	nfirmation of suppl	y polarity		Earth fault loop impedance	RCD
Z _s *	Ω	Operating times of associated	At $I_{\Delta n}$	ms	Insulation resistance	Other Melh: 14123688
I _{pf} *	kA	RCD (if any)	At $5I_{\Delta n}$ (if applicable)	ms	Continuity	Other

					TEST	RESULT	S					and the state of t
	Circuit impedances (Ω)						resistance	10	Polarity	Maximum measured earth		
	7.		(At least o	ne column	Line/Line +	Line/Neutral +	Line/Earth +	Neutral/Earth		fault loop impedance, Z _e		at $5I_{\Delta n}$ (if applicable)
(Line)	(Neutral)	(cpc)	R ₁ + R ₂	R ₂	(MΩ)	(MΩ)	(ΜΩ)	(ΜΩ)	(1)	(Ω)	(ms)	(ms)
						200 t	200 t	200t	V	0 28	13	5
0.31	0.3	045	0.18			200 F	200 t	200+		0.35	13	5
0.43	0.43	0.65	0.26			200+	200t	200+	~	0.45	13	5
						200+	200 t	200+	~	0.43	13	5
						200+	200t	200 t	V	0.91	13	5
						200+	2004	200+	V	1.04	13	5
			1									
									70			
					<u> </u>		,				-	
									A11000			
-												-
	r ₁ (Line)	Ring final circuits (measured end to r_1 (Line) (Neutral)	Ring final circuits only (measured end to end) T1	$ \begin{array}{c c} & (\Omega) \\ \hline Ring final circuits only \\ (measured end to end) & All circuits only \\ \hline r_1 & r_n & r_2 \\ \hline (Line) & (Neutral) & (cpc) & R_1 + R_2 \\ \hline \end{array} $	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Circuit impedances (Ω) Ring final circuits only (measured end to end) r_1 (Line) r_1 (Neutral) r_2 (Cpc) r_1 (Neutral) r_2 (M Ω)	Circuit impedances (Ω) Ring final circuits only (measured end to end) To (Neutral) O 3 0 45 0 18 O 43 0 43 0 65 0 26 Ring final circuits only (Maximum) (At least one column to be completed) Ring/Line + Line/Neutral + Line	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Circuit impedances (Ω) Insulation resistance $+$ Record lower or lowest value $+$ Ring final circuits only (measured end to end) $+$ Ring final circuits only (measured end to end) $+$ Ring final circuits only (measured end to end) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (MRQ) (MRQ) (MRQ) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (At least one column to be completed) $+$ Ring final circuits (MRQ) (MRQ) (MRQ) $+$ Ring final circuits (MRQ) $+$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Circuit impedances (Ω) Insulation resistance $+$ Record lower or lowest value Ring final circuits only (measured end to end) To be completed (Ω) $(M\Omega)$ $(M\Omega$	Circuit impedances (Ω) Ring final circuits only (measured end to end) To (Neutral) Order (Neutral) Circuit impedances (Ω) All circuits (At least one column to be completed) To (Neutral) Order (Neutr

^{*} Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.

TESTED BY	n	
Signature:	Position: Qualifying Superi	Page 6 of
Name: P-N-URIGGS	Date of testing: 12-8-205	9

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