

Annexure 1
DEPARTMENT OF LABOUR
OCCUPATIONAL HEALTH AND SAFETY ACT, 1993
CERTIFICATE OF COMPLIANCE



Certificate of compliance in accordance with regulation 7(1) of the Electrical Installation Regulations, 2009.	CERTIFICATE NO. ECA1784544	Certificate type (tick appropriate block) Initial Certificate <input type="checkbox"/> Supplementary Certificate <input type="checkbox"/>
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Supplement No.: to Initial Certificate No.: as issued on:

Identification of the relevant electrical installation
 (Address or other unique reference, where applicable)

Physical address: 2 GARDEN STREET

Name of building: GPS Coordinates:

Suburb / Township: KEURBOOMSTRAND Pole number:

District / Town / City: BITOU MUNICIPALITY Erf / Lot No: 66 KEURBOOMSTRAND

Declaration by registered person

I, P. H. COVARR (ID No.: 5102285020086)
 a registered person, declare that I have personally carried out the inspection and testing of the electrical installation described in the attached test report as per the requirements of:

(Tick appropriate box)

a) electrical installation regulations 9(2) (a) (new electrical installation); or

b) electrical installation regulations 9(2) (b) (existing electrical installation); or

c) electrical installation regulations 9(2) (c) (new part to existing installation)

and deem the installation to be reasonably safe when properly used.

I have entered the number of this certificate on the attached test report(s).

I declare that the persons responsible for the design, specification, procurement, construction commissioning and inspection and test have completed the relevant sections of the test report.

Registered person registration number: IE 09707 Date of registration: 23/3/1984

Type of registration: **(Tick appropriate box)**

Electrical tester for single phase Installation electrician Master installation electrician

Signature: [Signature] Date: 20/5/2021

Contact details of registered person:

Address: PLETTENBERG BAY ELECTRICAL cc
PO Box 688 Plettenberg Bay 6600

Tel. No.: Tel: 044 533 1687 Fax No.:

Cell No.: pletelec@mweb.co.za Email:

NOTE: 1. This certificate is not valid unless all the sections have been completed correctly and the test report in the format approved by the chief inspector is attached.
 2. This certificate will be invalid if any corrections have been made.

Declaration by electrical contractor

I, P. H. COVARR (ID No.: 5102285020086)
 declare that the electrical installation has been carried out in accordance with the requirements of the Occupational Health and Safety Act, 1993, and regulations made thereunder.

Electrical contractor registration number: WC 00887 Date of registration: 22/7/19 - 22/7/22

Signature: [Signature]

Contact details of electrical contractor: Name:

Address: PLETTENBERG BAY ELECTRICAL cc
PO Box 688 Plettenberg Bay 6600

Tel. No.: Tel: 044 533 1687 Fax No.:

Cell No.: pletelec@mweb.co.za Email:

Recipient name: Signature: Date:



HOME OF

ELECTRICAL CONTRACTORS' ASSOCIATION (S.A)

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ECA

ELECTRICAL CONTRACTORS' ASSOCIATION (SA)
YOUR TRUSTED ELECTRICAL CONTRACTORS

FOR USE BY ECA MEMBERS ONLY

TEST REPORT for ELECTRICAL INSTALLATIONS (To SANS 10142-1)

Certificate of Compliance (CoC) No. ECA 1784544

Date of issue: 20/5/2021

Additional pages added Yes No

NOTE 1 In terms of South African legislation, the user or lessor is responsible for the safety of the electrical installation.

NOTE 2 This report covers only that part of the installation described in section 3.

NOTE 3 This report covers the circuits for fixed appliances, but does not cover the actual appliances, for example stoves, geysers, air conditioning and refrigeration plant and lights.

NOTE 4 Medical and hazardous locations require additional test reports (see 8.7).

NOTE 5 Enter the required information or tick the appropriate block.

SECTION 1 - LOCATION (Only required if not provided on Certificate of Compliance)

Physical address:

Name of building:

SECTION 2 - INSTALLATION

Existing Certificate No Yes Date issued: Number:

Existing installation Alteration / Extension New installation Temporary installation

Type of installation: Residential Commercial Industrial Common area for multiple users (Sectional title)

Other Describe:

Type of electricity supply system:

TN-S TN-C-S TN-C TT IT

Supply earth terminal provided: Yes No

Characteristics of supply:

Voltage: 230 V 400 V 525 V Other: V

Number of phases: One Two Three Phase rotation: Clockwise Anticlockwise

Frequency: 50 Hz Other: d.c.

Prospective short-circuit current at point of control (PSCC): 1,0 kA How determined? Calculated Measured From supplier

Main switch type:

Switch disconnector (on-load isolator) Fuse switch Circuit-breaker Earth leakage circuit-breaker

Earth leakage switch disconnector

Number of poles: 1 Current rating: 30 A Short-circuit/withstand rating: 5 kA

Rated earth leakage tripping current /Δn: 30 mA Other: mA

Surge protection (see 6.7.6 and annex i): Yes No

Is alternative power supply installed (see 7.12.):? Yes No

Is any part of the installation a specialized electrical installation?: Yes No

If yes, complete additional test reports (see 8.7).

Is any part of the installation at a voltage above 1 kV?: Yes No

If yes, competent person to approve design and complete additional test reports (see 8.5.3 and SANS 10142-2).

Is this installation one of five or more on the same new supply?: Yes No

.....
If yes, name of the competent person who supervised the installation (see 8.1.3). (Insert above)

SECTION 3 - DESCRIPTION OF INSTALLATION COVERED BY THIS REPORT

(Add additional pages, specification references or drawings (layout of installation on premises), etc., where applicable)

TESTING OF EXISTING RESIDENTIAL INSTALLATION PRIOR TO SALE OF RESIDENCE.

NUMBER OF CIRCUITS OR POINTS COVERED BY THIS REPORT

Circuits	Existing installation			New/alterd/temporary installation		
	Main distribution board	Sub-distribution boards		Main distribution board	Sub-distribution boards	
Lighting circuits	2					
Lighting points	14					
Socket-outlet circuits	3					
Socket-outlets	9					
Three-phase socket-outlet circuits						
Three-phase socket-outlets						
Socket-outlets for critical application circuits						
Socket-outlets for critical applications						
Mixed circuits (number of)						
Motor circuits						
Control circuits						
Air-conditioning circuits						
Motor controlled assembly circuits						
Transformer circuits:						
	Lighting					
	Bell					
	Other					
Heating circuits						
Fan circuits						
Elevator / escalator circuits						
Signage circuits						
Fixed appliance circuits:						
	Cooking					
	Geyser					
	Pool pump					
	Borehole pump					
	Other					
Earth leakage:						
<i>All Circuits</i>	Main Switch					
	Only socket-outlets					
Overhead busbars						
Alternative power supply connections						
Other circuits						

SECTION 4 - INSPECTION AND TESTS (new and existing installations)

Additional tests added Yes No N/A

Inspection

NOTE Answer "Yes" or "N/A". The report shall not be issued if any "No" answers appear.

Inspection	Existing Installation	New / altered / temporary installation
1. Accessible components are correctly selected.	YES	
2. All protective devices are of correct rating	YES	
3. All protective devices are capable of withstanding the prospective fault level.	YES	
4. Conductors are of the correct rating and current-carrying capacity for the protective devices and connected load.	YES	
5. Components have been correctly installed.	YES	
6. Disconnecting devices are correctly located and all switchgear switches the phase conductors.	YES	
7. Different circuits are separated electrically.	YES	
8. Connection of conductors and earthing and bonding are mechanically sound.	YES	
9. Connection of conductors and earthing and bonding are electrically continuous.	YES	
10. Circuits, fuses, switches, terminals, earth leakage units, circuit-breakers, distribution boards are correctly and permanently marked or labelled.	YES	
11. Where an electrical circuit passes through a fire barrier, the integrity of the fire barrier has been maintained.	N/A	
12. Safety and emergency lighting and signs are functioning correctly.	N/A	
13. (a) in the case of new installations or additions or alterations to existing installations, the new, added or altered installation complies with this part of SANS 10142, or (b) in the case of installations that existed before the publication of this edition of SANS 10142, the installation complies with the general safety requirements in this edition of this part of SANS 10142 and is reasonably safe. Note 1 indicate (a) or (b) or (a) and (b) on the test report. Note 2 indicate N/A in the case of (a) or (b), where applicable	b) YES	
14. Where an alternative supply is installed, it complies with the requirements in respect of connections, change-over switch and indicator.	N/A	
15. The position of the readily accessible earthing terminal for earth connections of other services by installers of such services (see 6.11.5) indicated on the distribution board (see 6.6.1.21 (e))?	N/A	

Tests

Carry out all the tests for the main distribution board. Also conduct all tests and complete copies of the tests for each distribution board and for each supply (normal and alternative supplies), and attach as annexes to this report.

Units	Instrument	Readings / Results					
		Existing installation			New / altered / temporary installation		
1. Continuity of bonding	OHMMETER	< 0,2 OHM.					
2. Resistance of earth continuity conductor	OHMMETER	< 0,2 OHM					
3. Continuity of ring circuits (if applicable)							
4. Earth loop impedance test: at main switch	LODP TESTER	0,22 OHM					
5. Prospective short-circuit current at point of control (PSCC) for sub-distribution boards. Indicate: <input type="checkbox"/> 0 kA <input type="checkbox"/> Calculated <input checked="" type="checkbox"/> Measured <input type="checkbox"/> From supplier							
6. Elevated voltage between incoming neutral and external earth (ground)	VOLTMETER	1,5 VOLTS					
7. Earth resistance at electrode (if required)							
8. Insulation resistance	500V MEGGER	> 1,0 MEGOHM					
9. Voltage at main distribution board with no load for each phase to neutral	VOLTMETER	R 235	Y	B	R	Y	B
10. Voltage at main distribution board with load (as calculated for full load) for each phase to neutral		R	Y	B	R	Y	B
11. Voltage at available load (worst condition as calculated for full load) for each phase to neutral		R	Y	B	R	Y	B
12. Operation of all earth leakage units	EIL TESTER	25 mA					
13. Operation of all earth leakage test button		correct				correct	
14. Polarity of points of consumption		correct				correct	
15. Phase rotation at points of consumption for three-phase systems		correct				correct	
16. All switching devices, make-and-break circuits		correct				correct	

Comments:

Comments on parts of the installation not covered by this report:

SECTION 5 - RESPONSIBILITY

NOTE – For existing installations, complete only 5.4. For new/altered/temporary installations, if no signature appears in 5.1 to 5.3 the signatory of 5.4 takes responsibility. Where there are five or more installations on the same supply, a competent person signs 5.5

5.1 DESIGN. I, being the person responsible for the DESIGN of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the work for which I have been responsible, is to the best of my knowledge and belief in accordance with the relevant legislation. The extent of my liability is limited to the installation described in section 3 of this form.

For the DESIGN of the installation:

Name (in block letters): Position:

Address:

Signature:

Profession Registration No.: (where applicable) Date:

5.2 MATERIAL SPECIFICATION / PROCUREMENT. I/We, being the person(s) responsible for the MATERIAL SPECIFICATION / PROCUREMENT for the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the equipment that I/we have procured, is to the best of my/our knowledge and belief in accordance with the relevant legislation. The extent of liability of the signatory is limited to the installation described in section 3 of this form.

For the MATERIAL SPECIFICATION / PROCUREMENT:

Name (in block letters): Position:

For and on behalf of: Address:

Signature:

Date:

5.3 CONSTRUCTION. I/We, being the person(s) responsible for the CONSTRUCTION of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the work for which I/we have been responsible, is to the best of my/our knowledge and belief in accordance with the relevant legislation. The extent of liability of the signatory is limited to the installation described in section 3 of this form.

For the CONSTRUCTION of the installation:

Name (in block letters): Date of registration:

Electrical Contractor's Registration Number: Expiry date of registration:

or

Employer name: Employee No.:

For and on behalf of contractor:

Signature: Date:

5.4 INSPECTION AND TESTS. I, being the person responsible for the INSPECTION AND TESTING of the electrical installation, particulars of which are described in section 3 of this form, CERTIFY that the inspection and testing were done in accordance with this part of SANS 10142, that the results obtained and reflected on this report are correct and indicate

- (for installation work performed since the publication of this part of SANS 10142), compliance with this standard or
- (for an installation that existed before the publication of this part of SANS 10142), that the installation complies with the general safety principles of this standard and is reasonably safe.

The extent of my liability is limited to the installation described in section 3 of this form.

Name of registered person: P.H. COVARR Registration Certificate No.: IE09707

(in block letters)

Type of registration: Master installation electrician Installation electrician Single-phase tester

Signature: [Signature] PO Box 688 Plettenberg Bay 6600 Date 20/5/2021

Tel. No.: Tel: 044 533 1687

..... pletelec@nwweb.co.za

5.5 COMPLIANCE OF INSTALLATION FROM COMMENCEMENT TO COMMISSIONING. (This part is only required in case of a new point of supply which is intended to supply five or more users). I, being the person responsible to ensure that the electrical installation, particulars of which are described in section 3 of this form and which is one of five or more installations on the same supply, CERTIFY that the installation was done in accordance with SANS 10142-1.

<input type="checkbox"/> An Approved inspection Authority for electrical installations	Chief Inspectors's Registration No.:
<input type="checkbox"/> A competent person as defined	Indicate competency
<input type="checkbox"/> A professionally registered person	Category of professional registration: Registration No.:
Name (in block letters):	Address:
Signature:
Date: