

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.

ECB 1633217

Certificate type (tick appropriate block)

Initial Certificate ☒

Supplementary Certificate ☐

Supplement No.: to Initial Certificate No.: as issued on:

Identification of the relevant electrical installation

(Address or other unique reference, where applicable)

Physical address: Gardenia str
Name of building: Woonhuis GPS Co-ordinates:
Suburb / Township: havalia Pole number:
District / Town / City: George Erf / Lot No: 26275

Declaration by registered person

I, Dirk Petrus Engelbrecht (ID No.: 8403215109081),
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 32784 Date of registration: 18-11-2014

Type of registration: (Tick appropriate box)

Tester for Single Phase ☐ Installation Electrician ☒ Master Installation Electrician ☐

Signature: Engelbrecht Date: 10-05-2016

Contact details of registered person:

Address: Scallop close 3 Reebok

Tel. No.: Fax No.: /

Cell No.: 084 823 8252 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, Dirk Petrus Engelbrecht (ID No.: 8403215109081),
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: WE 01985 Date of registration: 18-11-2014

Signature: Engelbrecht Date: 10-05-2016

Contact details of electrical contractor: Name: Dirk Petrus Engelbrecht

Address: Scallop close 3 Reebok

Tel. No.: Fax No.: /

Cell No.: 084 823 8252 Email: /

Recipient Name: Signature: Date:



ELECTRICAL CONFORMANCE BOARD

590 KOBUS STREET, SILVERTON, PRETORIA, 0184 • P.O. BOX 912479 SILVERTON 0127

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For enquiries please phone the above number

TEST REPORT

for all ELECTRICAL INSTALLATIONS
To SANS 10142-1 Amdt 8Certificate of Compliance (CoC) No. **ECB 1633217**Date of issue: **10-05-2011**

Supplementary No.:

Clients Job No.:

- ECB NOTES:-**
1. ELECTRONIC CoC / TEST REPORT AVAILABLE ON www.ecbsa.co.za.
 2. Electronic CoC number will print automatically on each page of the test report.
 3. Contractor to attach the initial CoC number to distribution board. All subsequent CoC's will be supplementary.

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 the 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 8.8.2 and 8.8.3.)

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

SECTION 1 - LOCATION

Physical address: **Gardenia str**Name of building: **Woonhuis**

In the case of multiple units e.g. shopping malls, cluster housing, enter relevant unit number:

SECTION 2 - INSTALLATION

Existing installation ☐ Alteration / Extension ☐ New installation ☒ Temporary installation ☐Type of installation: Residential ☒ Commercial ☐ Industrial ☐ Common areas for multiple users: ☐Other: ☐ Describe:Initial certificate number: Date issued: Not available ☐

Additional information if required:

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, record voltage:Number of phases: One ☒ Two ☐ Three ☐ Phases rotation: Clockwise ☐ Anticlockwise ☐ NA ☐Frequency: 50 Hz ☒ Other ☐ d.c. ☐Prospective short-circuit current (PSCC) kA **0.178** and at Sub Board where applicable: kA How determined? Calculated ☐ Note, above 100A to be calculated: Measured ☒ From supplier ☐Main supply feeder: Cable ☒ Number of cores ☐ Bus bars ☐ Cross sectional area sq mm **16** Length Met **20**

Main switch type: (For sub distribution board details refer to section 3)

Switch disconnector (on-load isolator) ☐ Fuse switch ☐ Circuit-breaker ☐Earth leakage circuit-breaker ☒ Earth leakage switch disconnector ☐Number of poles: **2** current rating: **63** A Short-circuit/withstand rating: **3** kARated earth leakage tripping current /Δn: 30 mA ☒ Other: ☐ mASurge protection required (see 6.7.6 and annex L): Yes ☐ No ☒ Reason: ☐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 8.8.2 or 8.8.3).

Is any part above 1kV? Yes ☐ No ☒

If yes, competent person to approve design and complete additional test reports (see 8.6.3 and SANS 10142-2)

Is this installation of 5 units or more on the same new supply? Yes ☐ No ☒

If yes, name of competent person who supervised the installation must be provided (see 8.2.3) Refer to section 5.5.

NOTE:- This is a TEST REPORT and it is advisable to be as specific as possible in the description of the installation. E.G. Existing, give short description and condition of installation and type of materials used. New or extended installations add drawings, specifications and material approval. Add extra pages and list them as annexures to be read in conjunction with this test report if necessary.

1x 11toef verdeelbord; 6x muur proppe; 10x ligpunten; 1x stoofpunt

[illegible]

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

Visual Inspection	Existing Installation			New / altered / temporary installation		
	Yes	No	NA	Yes	No	NA
<i>NOTE Answer "Yes" or "N/A". The report shall not be issued should any "No" answers be necessary.</i>						
1. Accessible components are correctly selected.				✓		
2. All protective devices are of correct rating.				✓		
3. All protection devices are of correct rating and capable of withstanding the prospective fault level.				✓		
4. Conductors are of the correct rating and current-carrying capacity for the protective devices and connected loads.				✓		
5. Components have been correctly installed.				✓		
6. Disconnecting devices are correctly located and all switchgear switches the phase conductors.				✓		
7. Different circuits are separated electrically.				✓		
8. Connection of conductors and earthing and bonding are mechanically sound.				✓		
9. Connection of conductors and earthing and bonding are electrically continuous.				✓		
10. Circuits, fuses, switches, terminals, earth leakage units, circuit-breakers, distribution boards are correctly and permanently marked or labelled.				✓		
11. Where an electrical circuit passes through a fire barrier, the integrity of the fire barrier has been maintained.				✓		
12. Safety and emergency lighting and signs are functioning correctly.						✓
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 10142-1 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 part of SANS 10142-1 (i.e. section 5) and is reasonably safe.						✓
<i>NOTE In respect of 13 above, tick (a) or (b) or (a) and (b) on the test report where applicable.</i>						
14. Where an alternative supply is installed: The requirements in respect of all connections, change-over switching and indication are met.						✓
15. Is 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))						✓

Tests <i>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.</i>	Units	Instrument Required	Readings / Results	
			Existing installation	New / altered / temporary installation
1. Continuity of bonding	Ω	260D		0,01Ω
2. Resistance of earth continuity conductor	Ω	260D		0,01Ω
3. Continuity of ring circuits (if applicable)	—	N/A		N/A
4. Earth loop impedance test: at main switch	Ω	K4118A		0,26Ω
5. Prospective short-circuit current at point of control (PSCC) for subdistribution boards Indicate: <input type="checkbox"/> kA Calculated <input type="checkbox"/> Measured <input type="checkbox"/> From supplier <input type="checkbox"/>	kA	N/A		N/A
6. Elevated voltage between incoming neutral and external earth (ground)	V	260D		0V
7. Earth resistance at electrode (if required)	Ω	MA		N/A
8. Insulation resistance	MΩ	MT500		∞
9. Voltage at main distribution board with no load for each phase to neutral	V	260D		241V
10. Voltage at main distribution board with load (as calculated for full load) for each phase to neutral	V	260D		239V
11. Voltage at available load (worst condition as calculated for full load) for each phase to neutral	V	260D		239V
12. Operation of earth leakage units	mA	Belco		0,23mA
13. Operation of 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: Add annexure if necessary:

Comments on parts of the installation not covered by this report: Add annexures if necessary:

SECTION 5 - RESPONSIBILITY

NOTE — For existing installations, complete only 5.4. For new/alterd/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:

Professional Registration No.: Address:

Signature: 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 is limited to the installation described in section 3 of this form.

For the CONSTRUCTION of the installation:

Name (in block letters):

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 SANS 10142, that the results obtained and reflected on this report are correct, and indicate by ticking the appropriate block that

☒ (for installation work performed since the publication of this part of SANS 10142), compliance with this standard, or

☐ (for an installation existing 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 liability is limited to the installation described in section 3 of this form.

Name of registered person: Dirk Petrus Engelbrecht Registration Certificate No.: IE 32784
(in block letters)

Type of registration: Master installation electrician ☐ Installation electrician ☒ Tester for single-phase ☐

Registration certificate valid until:- Date Elektriose veranderinge Tel No.: 084 823 8252

Signature: Engelbrecht Date: 10-05-2016

I being the person responsible to ensure that the electrical installation, particulars of which are described in section 3 and or in the attached numbered annexures 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

Chief Inspector's Registration No.:

Indicate competency:

Category of professional registration:

Registration No: _____

Name (in block letters): Address:

Signature: _____ Date: _____