

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.	Certificate Type. (Tick appropriate block)		
	NM 2151692	Initial Certificate	<input checked="" type="checkbox"/>	Supplementary Certificate

Supplement No.:	N/A	to Initial Certificate No.:	N/A	as issued on:	N/A
Identification of the relevant electrical installation (Address or other unique reference, where applicable)					
Physical address:	38 OXFORD ST, FERNDALE, RANDBURG, 2194				
Name of building:	FNB FERNDALE CONTACT CENTRE	GPS Coordinates:	26°05'02.1"S 28°00'03.4"E		
Suburb / Township:	FERNDALE	Pole Number:	NOT AVAILABLE		
District / Town / City:	JOHANNESBURG	Erf / Lot No.	NOT AVAILABLE		
Declaration by registered person					
I, <u>G. J. F. van Tonder</u>	ID No	900330 5025 087	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	<input type="checkbox"/>				
b) electrical installation regulations 9(2) (b); (existing electrical installation); or	<input type="checkbox"/>				
c) electrical installation regulations 9(2) (c); (new part to existing installation)	<input checked="" type="checkbox"/>				
and deem the installation to be reasonable safe when properly used.					
I have entered the number of this certificate to 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 31994	Date of registration:	15/11/2013		
Type of registration: (Tick appropriate box)					
Electrical tester for Single Phase	<input checked="" type="checkbox"/>	Installation Electrician	<input checked="" type="checkbox"/>	Master Installation Electrician	<input type="checkbox"/>
Signature:	Date: 15-07-2021				
Contact details of registered person:					
Address:	146 PAPILLON, 624 FARM ROAD, EQUESTRIA, PRETORIA, 0184				
Tel. No.:	012 329 2395	Fax No.:	012 329 2396		
Cell No.:	064 651 5653	E- Mail:	frederick@hvacr.co.za		
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, <u>G. J. F. van Tonder</u>	ID No	900330 5025 087			
declare that the electrical installation has been carried out in accordance with the requirements of the Occupation Health and Safety Act, 1993, and regulations made thereunder.					
Electrical contractor registration number:	GN 06518	Date of registration	06/02/2019		
Signature:					
Contract details of electrical contractor:	HVAC INSTALLATIONS (PTY) LTD	Name:	FREDERICK VAN TONDER		
Address:	600 ELLA STREET, GEZINA, PRETORIA, 0184				
Tel. No.:	012 329 2395	Fax No.:	012 329 2396		
Cell No.:	064 651 5653	E- Mail:	frederick@hvacr.co.za		
Recipient name:	Signature:	Date:			

FOR USE BY REGISTERED PERSONS ONLY

TEST REPORT

for ELECTRICAL INSTALLATION
(To SANS 10142-1)

Certificate No.:	NM 2151692
Date of Issue:	15-07-2021

Additional pages added

 Yes No

NOTE 1 In terms of the 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 (Only required if not provided on Certificate of Compliance)

Physical address: 38 OXFORD ST, FERNDALE, RANDBURG, 2194

Name of building: FNB FERNDALE CONTACT CENTRE

SECTION 2 - INSTALLATION

Existing Certificate: No Yes Date issued: N/A Number: N/A Existing installation Alteration/Extension New installation Temporary installationType of installation: Residential Commercial Industrial Common area for multiple users Other Description: _____Type of electricity supply system: TN-S TN-C-S TN-C TT ITSupply earth terminal provided: Yes NoCharacteristics of supply:
Voltage: 230V 400V 525V Other: _____ vNumber of phases: One Two Three Phase rotation: Clockwise AnticlockwiseFrequency: 50Hz Other: _____ d.c.Prospective short-circuit current at point of control (PSCC): **5.02 kA** How determined? Calculated Measured From supplierMain switch type:
 Switch disconnector (on load isolator) Fuse switch Circuit-breaker Earth leakage circuit-breaker Earth leakage switch disconnectorNumber of poles: **3** Current rating: **1250 A** Short-circuit/withstand rating: **50 kA**Rated earth leakage tripping current / Δn: **N/A** 30mA Other **mA**Surge protection required (see 6.7.6 and annex L): Yes NoIs alternative power supply installed (see 7.12): Yes NoIs 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 of the installation at a voltage 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 one of five or more on the same new supply? Yes No
If yes, name of the competent person who supervised the installation (see 8.2.3).

SECTION 3-DESCRIPTION OF INSTALLATION COVERED BY THIS REPORT

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

New Chiller Feeder DB
Cables to Chillers

NUMBER OF CIRCUITS OR POINTS COVERED BY THIS REPORT.

CIRCUITS	Existing installation			New / altered / temporary installation		
	Main distribution board	Sub-distribution board		Main distribution board	Sub-distribution board	
Lighting circuits				-		
Lighting points				-		
Socket-outlet circuits				-		
Socket-outlets				-		
Three-phase socket-outlets circuits				-		
Three-phase socket-outlets				-		
Socket-outlets for critical applications circuits				-		
Socket-outlets for critical applications				-		
Mixed circuits (number of)				-		
Motor circuits				-		
Control circuits				-		
Air-conditioning circuits				-		
Motor control 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:	Main switch			-		
	Only socket-outlets			-		
Overhead busbars				-		
Alternative power supply connections				-		
Other circuits				2		

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

Additional test added Yes No N/A

Inspections

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

- | | Existing Installation | New / altered / |
|--|-----------------------|-----------------|
| 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. | | N/A |
| 8. Connection of conductors and earthing and bonding is mechanically sound. | | Yes |
| 9. Connection of conductors and earthing and bonding is electrically continuous. | | Yes |
| 10. Circuits, fuses, switches, terminals, earth leakage units, circuit-breakers, distribution boards are correctly and permanently marked or labeled. | | Yes |
| 11. Where an electrical circuit passes through a fire barrier, the integrity of the 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 SABS 10142 or. | | Yes |
| (b) In the case of installations which existed prior to 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. | | N/A |
| 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. | | |
| 14. Where an alternative supply is installed, it complies with the requirements in respect of connections, change-over switch and indicator. | | N/A |
| 15. Is the position of the ready 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). | | N/A |

Tests

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

	Units	Instrument	Readings / Result		
			Existing installation	New / altered / temporary installation	
1. Continuity of bonding.	Ω	TBM811			0.1
2. Resistance of earth continuity conductor	Ω	N/A			0.1
3. Continuity of ring circuits (if applicable).	—	N/A			N/A
4. Earth loop impedance test: at main switch	Ω	T1825			0.05
5. Prospective short-circuit current at point of control (PSCC) for sub-distribution boards. Indicate: <input type="text"/> kA Calculated <input checked="" type="checkbox"/> Measured <input type="checkbox"/> From supplier	A	T1825			5.02
6. Elevated voltage between incoming neutral and external earth (ground)	V	TBM811			0
7. Earth resistance (if required).	Ω	GEO T 416			N/A
8. Insulation resistance.	$M\Omega$	T1851			Inf.
9. Voltage (main DB) no load.	V	TBM811			404.8
10. Voltage (main DB) on load.	V	TBM811			405.4
11. Voltage at available load (worst condition).	V	TBM811			404.6
12. Operation of earth leakage units.	mA	MT310			402.6
13. Operation of earth leakage test button.	—	-			N/A
14. Polarity of points of consumption.	—	-			Correct
15. Phase rotation at point of consumption for three-phase systems.	—	-			Correct
16. All switching devices, make-and-break circuits.	—	-			Correct

Comments: *This certificate only covers the new electrical Chiller DB with the supply cables to the Chiller.*

Comments on parts of the installation not covered by this report: *This certificate does not cover the Chillers, AHU's and existing fans.*

SECTION 5-RESPONSIBILITY

NOTE-For existing installations, complete only 5.4. For new/ altered/ temporary installation, 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/We, being the person(s) 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/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 DESIGN of the installation:

Name (in block letters): _____ Position: _____
Professional Registration No.: _____ Address: _____
For and on behalf of: _____
Tel/Cell No.: _____ Date: _____
Signature: _____

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: _____
Professional Registration No.: _____ Address: _____
For and on behalf of: _____
Signature: _____ Tel/Cell No.: _____
Date: _____

5.3 CONSTRUCTION. I/ We, being the person(s) responsible for CONSTRUCTION of the electrical installation, particulars are 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): _____ Position: _____
For and on behalf of contractor: _____ Address: _____
Contractors registration No. with the Chief Inspector/ECB: _____
Date of current registration with ECB: _____
Signature: _____ Tel/Cell No.: _____
Date: _____

5.4 INSPECTION AND TESTS. I/We, being the person(s) 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 10142-1, that the results given are correct and indicate.

(for installation work performed since the publication of this part of SANS 10142), or
 (for installation existing before 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 of the signatory is limited to the installation described in section 3 of this form.

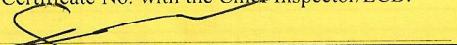
Name of accredited person: (in block letters) **G. J. F. VAN TONDER** ID No.: **900330 5025 087**

Type of accreditation: Master installation electrician. Installation electrician. Single-phase tester.

Address: **600 ELLA STREET, GEZINA, PRETORIA, 0184**

Registration No. with the Chief Inspector/: (Registered person): **IE 31994**

Contractors Registration Certificate No. with the Chief Inspector/ECB: **GN 06518**

Signature:  Date: **15-07-2021**

5.5 COMPLIANCE OF INSTALLATION FROM COMMENCEMENT TO COMMISSIONING. 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.

An Approved inspection Authority for electrical installations	Chief inspector's Registration No.:	
A competent person as defined	Indicate competency	
A professionally registered person	Category of professional registration:	Registration No.:

Name (in block letters): _____ Address: _____

Signature: _____

Date: _____