



# CURRICULUM VITAE SUMMARY

RODRIEK N MUSHWANA

Mechanical

## Key Skills:

- HVAC Service procedure and installation.
- HVAC Assets reporting and proposals.
- HVAC Design
- Project Management
- Cost Control
- CAD

**Current Status** : HVAC Technician

**Qualifications** : NTC 5 / NTC 6 – Mechanical

**Memberships** : SAIRAC (South African institute of refrigeration & air conditioning)  
: SAFHE (South African federation of hospital engineering)

## Affiliation:

- Authorised by SARACA as gas practitioner (OHSA Act 85 of 1993)
- Authorised by SARACA to issue Air-Conditioning COC
- Authorised by SARACA to design Air-Conditioning and Refrigeration installations

## Experience:

- Commercial; Retail and industrial air conditioning
- Project Management
- Drawing Office

## Sector Experiences:

### Shopping centres: (key projects)

|                          |                  |
|--------------------------|------------------|
| North gate phase 2       | -Johannesburg    |
| East gate phase 2        | -Johannesburg    |
| Brooklyn mall            | -Tshwane         |
| The zone                 | -Johannesburg    |
| Vaal mall                | -Vereeniging     |
| Irene village            | -Tshwane         |
| Lifestyle crossing       | -Johannesburg    |
| Morningside mall         | -Johannesburg    |
| Mall of the north        | -Polokwane       |
| Levy Business Park       | -Lusaka (Zambia) |
| Nicolway shopping centre | -Johannesburg    |
| Lephalale mall           | - Johannesburg   |
| Mall of Rose bank        | - Johannesburg   |

### Casinos and entertainment centres: (key projects)

|                   |                   |
|-------------------|-------------------|
| Monte casino      | -Johannesburg     |
| Sugermill casino  | -Vander bail park |
| Meropa casino     | -Polokwane        |
| Goldfields casino | -Johannesburg     |

### Office blocks: (key projects)

|                       |               |
|-----------------------|---------------|
| M-Web office block    | -Cape Town    |
| ABB                   | -Midrand      |
| Grovenor corner       | -Johannesburg |
| Steyn City gate house | -Johannesburg |



Hotels and Apartments: (key projects)

Raphael apartments -Johannesburg  
Michel Angelo towers -Johannesburg  
Sandhurst towers -Johannesburg  
Soweto holiday Inn -Soweto

**DETAILED CURRICULUM VITAE**

RODRIEK NKHENSANI MUSHWANA

Personal details:

NATIONALITY : SOUTH AFRICAN  
DATE OF BIRTH : 11 NOVEMBER 1971  
ID No : 711109 5425 086  
Tel work : 012 772 4042  
Tel home : 082 923 8380  
Mobile : 082 923 8380  
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Postal Adress  
Po box 12460  
The Tramshed  
0126

QUALIFICATIONS:

Technical qualifications ( NTC 5 / NTC 6 )

(Institution: Johannesburg technical college 1993 to 1996 and 2003 to 2004)

National technical certificate N2 & N3

- Refrigeration trade theory
- Refrigeration technology
- Mathematics
- Industrial electronics

National technical certificate (NTC 4)

- Refrigeration, air-conditioning & ventilation
- Mathematics
- Industrial electronics
- Electrotechnics
- Engineering science

National technical certificate (NTC 5)

- Refrigeration, air-conditioning & ventilation
- Electrotechnics
- Engineering physics
- Power machines
- Strength of materials and structures

National technical certificate (NTC 6)

- Refrigeration, air-conditioning & ventilation
- Engineering physics



OTHER CERTIFICATES

|  |  |
|--|--|
| VRV Installation in                    | = Daikin; Samsung; Mitsubishi and Hitachi  |
| Certificate in hospital planning       | = Health Facility Planning in collaboration with the School of Nursing University of KwaZulu Natal |
| Extended AC and refrigeration (SAIRAC) | = South African Institute of Refrigeration and Air-conditioning                                    |
| Thermodynamics and psychometrics       | = BATABA training centre   |
| Certificate in heat load calculations  | = BATABA training centre   |
| Certificate in air flow and fan laws   | = BATABA training centre   |
| Certificate in applied psychometrics   | = BATABA training centre   |
| Advance cad training centre            | =Executive concepts  |

PROFESSIONAL AFFILIATION

- Organization : SAIRAC (South African institute of refrigeration & air conditioning)  
Status : Associate  
Membership No: 3478
- Organization : SAFHE (South African federation of hospital engineering)  
Status :  
Membership No: 0088
- Organization : South African institute of draughting  
Status : Member  
Membership No: 08028
- ECSA : N/A

WORK EXPERIENCE:

**2015-03-01 TO Present** **MSB ENGINEERING**  
(Contractor "HVAC and related services " )

POSITION: = Technical managing



**2004-03-01 TO 2014**

WSP CONSULTING ENGINEERS  
(Multi-disciplinary engineering firm)

POSITION:  
LINE MANAGER

= Design Technician  
=Graeme Page, Steven Barrett,  
Lindsay Lund,

RESPONSIBILITIES:

HVAC design, liaise with other consultants, preparing drawings for construction, attending coordination meetings, sites meetings, financial control, tender adjudications, contract control and approval of payments.

**1996 TO 2004-02-27**

RICHARD PEARCE & PARTNERS  
(Mechanical consulting engineering firm)

POSITION: = Junior Technician  
LINE MANAGER / DIRECTOR: =Graeme Page

RESPONSIBILITIES:

Basic design, drawing, preparing bill of quantities for tenders, preparing drawings for construction, attending coordination and sites meetings visits

**1993-1996**

RAU "HVAC Maintenance department"

POSITION: = trainee artisan.  
LINE MANAGER / DIRECTOR: = Koos de-Wet

RESPONSIBILITIES:

General HVAC maintenance

Other achievements

Deputy chair of WSP Africa Taskforce (2006-01 to 2007-12)

References

Mr Graeme Page (Pr.eng)  
MD (Graeme Page & associates) contact 011 794 1907

Mr Vivian Shabangu (Pr.eng)  
Director (Mekan) contact 076 075 4379 (011 867 1974)

Mr Ecols Mkhavale (Pr.eng)  
Director (Mjiya consulting engineers) contact 083 995 1669



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Mr CHARLES SHILOWA  
(RAND MERCHANT BANK) contact 011 282 4419 / 082 564 0586

### Summary of project involvements in from 2004 to 2015

- ABSA (Revamp of all branches nationally)
  - HVAC Design technician / Site inspection
- MALL OF ROSEBANK
  - HVAC Project manager/ Design technician
- STEYN CITY GATE HOUSE
  - HVAC Project manager/ Design technician
- LEPHALALE SHOPPING MALL (IN LEPHALALE)
  - HVAC Project manager/ Design technician
- LEVY BUSINESS PARK "Retail and office block" (IN ZAMBIA)
  - HVAC Project manager/ Design technician
- MALL OF THE NORTH (IN POLOKWANE)
  - HVAC Project manager/ Design technician
- MORNINSSIDE SHOPPING CENTRE
  - HVAC Project manager / Design technician
- RAPHAEL APARTMENTS (NELSON MANDELAS SQUARE) SANDTON SQUARE
  - Assistant design engineer
- MICHELANGELO TOWERS SANDTON
  - Assistant design engineer
- REVEMP OF WOOLWORTHS STORES GAUTENG REGION
  - Design engineer / coordinator
- VAAL-MALL SHOPING CENTRE
  - Tenants AC designs
- IRENE VILLAGE SHOPPING CENTRE
  - Tenants AC designs
- SOWETO HOLIDAY Inn
  - Design technician
- LIFESTYLE CROSSING WEST RAND
  - Drawing
- SANDHURST TOWERS (SANTON)
  - Site inspection , coordination
- GOLDFIELDS CASINO
  - Drawing and site inspections



- IKOYI TOWERS (Nigeria) project on hold from our site
  - Assistant engineer / drawings
- LAKESIDE LODGE
  - Design

1996 to 2004:

- NORTH GATE SHOPPING CENTRE PHASE 2
  - HVAC tenants Design, Drawing and site inspections
- EAST RAND MALL EXTENSION
  - HVAC tenants Design, Drawing and site inspections
- MONTE CASINO (FOURWAYS)
  - Drawing and site inspections
- BROOKLYNE MALL (PRETORIA)
  - Drawing and site inspections
- M-WEB BUILDING (CAPE TOWN)
  - Drawing and co-ordination.
- ABB BUILDING (MIDRAND)
  - Drawing and co-ordination.
- SUGERMILL CASINO (DURBAN)
  - Drawing and co-ordination.
- GROVENOR CONER (ROSSBANK)
  - HVAC tenants Design, Drawing.
- The ZONE (ROSS BANK)
  - HVAC tenants Design, Drawing and sites inspection
- McDonald's (GAUTENG REGION)
  - Drawing and Site inspections
- MEROPO CASINO (POLOKWANE/PIETERSBURG)
  - HVAC tenants Design, Drawing and co-ordination
- MADINANT JUMAIRA (Dubai Project)
  - Drawing and co-ordination
- HONG KONG TV STUDIO (Hong Kong Project)
  - Drawing and co-ordination
- MALABO HILTON HOTEL (Equatorial Guinea Project)
  - Drawing and co-ordination (I left the company half way through the project)
- NORTH GATE SHOPPING CENTRE PHASE 2
  - Tenants AC Design, Drawing and site inspections