



**Gavin R. Brown & Associates c.c.**  
CONSULTING CIVIL & STRUCTURAL ENGINEERS

**CK 2007/016191/23**

24 Botanic Grove, Berea, Durban  
P O Box 51113, Musgrave, 4062  
Tel: 031 2025703/5/6  
Fax: 031 2025708

62 Railway Road Kokstad  
P O Box 410, Kokstad  
Tel: 039 727 5833/3514  
Fax: 039 7271377

2 Montgomery Drive  
Pietermaritzburg, 3201  
Tel: 033 3450881  
Fax: 0865220008



## **Professional Certified Timber Roof Inspector's Training** **Course – 2CPD Points**

**3-4 MAY 2017**

This course is designed for persons who traditionally practise in the built environment with prior experience in roof design and construction. The prerequisite of a NQF 5 qualification is preferable but not compulsory. The course deals with the implementation of; **SANS 10243 The National Standard for The Design Manufacture and Erection of Pre-Fabricated Timber Trusses**; the **A19 legislation and processes**.

The course will allow delegates to take away real practical skills as well as theoretical knowledge in preparation for the written Exam for SAQA accreditation for The Professional Certified Roof Inspector Designation.

The course has also been accredited by CESA for 2 CPD credits, Inspectors who are currently accredited and attend this as a refresher course will be awarded the 2 CPD credits.

**PROFESSIONAL DESIGNATIONS AWARDED BY SAQA RECOGNISED  
PROFESSIONAL BODIES**

<b>Name of Professional Body</b>	The Institute for Timber Construction Southern Africa (ITC-SA)
<b>Designation Title</b>	Certified Roof Inspector (Cert. RI)

**Short Description:**

A **Certified Roof Inspector** (Cert. RI) is a practicing professional who will traditionally come from the built environment, must have prior experience in roof design and construction, and should preferably have a recognized qualification (NQF level 5) in the built environment.

A **Certified Roof Inspector** (Cert. RI) can be registered in this designation, but may only inspect roofs within the specified category, as per below and depending on his proven competencies:

- **CATEGORY A - (High Risk): Very Complex roofs**
- **CATEGORY B - (Medium Risk): Complex Domestic and Simple Industrial and Commercial Roofs, including up to 10 meter spans**
- **CATEGORY C - (Low Risk): Simple Roofs up to and including 8.5 meter span with standard loadings**
- **CATEGORY D – (Low Risk)**

**CRITERIA FOR OBTAINING THE PROFESSIONAL DESIGNATION**

For the Professional Designation to be awarded, professionals must comply with the following minimum requirements:

- **Academic Component**

Persons recognised for the designation of Certified Roof Inspector must have prior experience in roof design and construction, and should preferably have a recognized qualification (NQF level 5) in the built environment. This qualification may be in the fields of civil engineering, architecture, quantity surveying, and construction management.

Provision is also made for previously disadvantaged individuals that have not had the benefit of a formal education and qualification. In this case, and where no formal qualification exists, recognition by the process of RPL (Recognition of Prior Learning) will be applied for on the job training and experience to enable candidate to qualify.

**Practical/Workplace Experience**

In all cases, a minimum experience of 3 years in the construction industry will be required. In the absence of any prior exposure to the design and construction of timber roof structures, the applicant Roof Inspector will need to complete the ITC-SA Estimator/Designer modules and have passed the exams.

Registered Roof Inspectors will need further education and training to move from a **Category C/D** (non-complex roof structures) Roof Inspector to a **Category A** (complex roof structures) Roof Inspector. Certified Roof Inspectors will not be allowed to inspect roofs outside the category for which they have been registered.

- **Board Examination/Competency Assessment**

Probationary Roof Inspector will undergo a minimum 2 day classroom session under the direction of any ITC-SA Accredited Roof Engineer. After the completion of the classroom sessions, an exam will be written; and an oral examination conducted where deemed to be in the best interest of the student; and then an on-site test will be done to confirm the ability of the Roof Inspector.

The Roof Inspectors applying for registration under the designation of Certified Roof Inspector will be required to complete the above set requirements, within a period of 12 months.

### **CRITERIA FOR RETAINING THE PROFESSIONAL DESIGNATION**

In order to ensure the currency of professional knowledge and to retain the Professional Designation, the professional must comply with the following minimum requirements:

- **Continuing Professional Development (CPD)**

- Members are required to provide proof to ITC-SA of their CPD activities.
- Members are required to accumulate 4 CPD points annually by completing a range of accredited activities such as:
  - Attendance at workshops, seminars and information sessions,
  - Giving presentations to inside and outside groups,
  - Running workshops,
  - Writing articles for in-house and general publications.
- The ITC-SA decides on the points each activity is worth.
- The ITC-SA Technical Engineering Advisory Committee ensures that CPD activities and certification requirements are co-ordinated.

- **Code of Conduct**

Designees must abide by the ITC-SA Code of Conduct.

- **Membership Fees**

Ensure that the annual membership fee is paid.

### **PROFESSIONAL DESIGNATION PROGRESSION PATHWAY**

The Professional Designation progression pathway is:

- Probationary Roof Inspector
- Certified Roof Inspector

## **Course Overview**

### **Day 1**

#### **SESSION 1(08h30 – 10h30)**

##### **Introductions**

- The A19 Process
- Code of Ethics for Roof Inspectors
- Roof and Truss Terminology
- Tea(**10h30 – 11h00**)

#### **SESSION 2(11h00 – 12h30)**

- Basics of Truss Design
- Overview of Truss Manufacture
- Lunch(**12h30 – 13h30**)

#### **SESSION 3(13h30-15h30)**

- SANS 10243 -Truss Erection and Bracing
- Minimum requirements for Roof Drawings
- Understanding the System Engineering Calculations
- Afternoon Tea(**15h30-15h45**)

#### **SESSION 4 (15h45 – 16h30)**

- Cases to be Checked by an Engineer
- Inspection Procedure
- Administration
- Q&A

## Day 2(Practical Session)

- Visit Truss Fabricator Manufacturing Plant **(08h30 to 10h30)**
- 3 sites will be made available for delegates to inspect and apply their knowledge gained from the theoretical session. This will form part of the assessment of delegates. All delegates are to complete checklists for each site and submit these when sitting for the written exam.**(10h30 to 12h30 and 13h30 to 16h00)**
- Q&A ( **16h00 – 16h30**)

Delegates will be required to sit a 3 hour open book written exam. (Date and venue to be advised) The exam will commence at 09h00 a.m and close at 12h00 p.m. The delegates will be allowed to sit the exam with the following material:

- SANS 10243
- The ITC roof erectors handbook Volume 2
- Course notes

An 80% percent pass mark is required to progress to the practical assessment. Delegates will be assigned to mentor inspectors for practical assessments, after achieving the pass mark set for the exam.

The course will be presented by **Professional Engineer Mr Gavin Brown** who is accredited by the Institute of Timber Construction as an Engineer Member.

Information relating to the truss plant visit and sites that will be inspected will be handed on the 1<sup>st</sup> day.

**Cost of Workshop:** R8208.00 per person inclusive of VAT(Group discounts available for companies that register a minimum of 5 delegates)

**Venue :** Emakhosini Boutique Hotel Conference Centre, 3 Lumsden Crescent, Morningside, Durban

**Registration :** Please complete attached registration form

**Closing Date for Registration : 31 March 2017**

**G R Brown Pr. Eng. B.Sc. (Eng.) M.S.A.I.C.E**  
**U Brahmadu (Associate) NDip Civ Eng.Mgmt. (CETA) Cert RI (SAQA)**  
**Level 2 BEE Contributor**