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SOUTH AFRICAN QUALIFICATIONS AUTHORITY

REGISTERED UNIT STANDARD THAT HAS PASSED THE END DATE:

Construct/manufacture and erect specialist site-made/bolted trusses

SAQA US ID	UNIT STANDARD TITLE			
14957	Construct/manufacture and erect specialist site-made/bolted trusses			
ORIGINATOR		REGISTERING PROVIDER		
SGB Building Construction				
QUALITY ASSURING BODY				
-				
FIELD			SUBFIELD	
Field 12 - Physical Planning and Construction			Building Construction	
ABET BAND	UNIT STANDARD TYPE	OLD NQF LEVEL	NEW NQF LEVEL	CREDITS
Undefined	Regular	Level 4	NQF Level 04	8
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Passed the End Date - Status was "Reregistered"		2006-08-01	2009-08-01	SAQA 0160/05
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2010-08-01		2013-08-01		

In all of the tables in this document, both the old and the new NQF Levels are shown. In the text (purpose statements, qualification rules, etc), any reference to NQF Levels are to the old levels unless specifically stated otherwise.

This unit standard does not replace any other unit standard and is not replaced by any other unit standard.

PURPOSE OF THE UNIT STANDARD

Learners who are assessed as competent against this unit standard are able to construct or manufacture specialist timber formwork and trusses for roofing, in line with safety legislation, and National Building Regulations and requirements, and based on specification drawings. The role of safety is crucial, and understanding the implications of design modifications and industry convention to deal with practical challenges are important factors when attaining the outcomes of this unit standard. Learners mostly apply competence under supervision of a team leader.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

FETC NQF Level 2 literacy and numeracy competencies

UNIT STANDARD RANGE

Specialist formwork and trusses referred to in this unit standard extends the scope of SABS 0400, by including structures like loft rooms.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Manufacture specialised rafters and trusses.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Timber is marked and cut, drilled and machined according to design, using specialised equipment and tools where required

ASSESSMENT CRITERION 2

2. Trusses and rafter components are constructed according to specification drawings

ASSESSMENT CRITERION 3

3. Manufactured truss components are constructed into formwork according to specification drawings

SPECIFIC OUTCOME 2

Interpret specialist drawings and set out work area.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Dimensions of specialist drawings are correctly interpreted

ASSESSMENT CRITERION 2

2. Equipment is identified and selected based on specification drawing

ASSESSMENT CRITERION 3

3. Material quantities are determined from drawings

SPECIFIC OUTCOME 3

Erect trusses.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Girders are accurately positioned for bearing trusses

ASSESSMENT CRITERION 2

2. Trusses are erected safely and in accordance with specifications

ASSESSMENT CRITERION 3

3. All trusses are free from internal wall support unless designed to be supported

ASSESSMENT CRITERION 4

4. Permanent bracing is correctly installed, and all trusses are tied down with roof ties, and fixed in accordance with design specifications

SPECIFIC OUTCOME 4

Brace trusses.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

1. Trusses are braced safely and in accordance with specifications

ASSESSMENT CRITERION 2

2. Permanent bracing is correctly installed, and all trusses are tied down with roof ties, and fixed in accordance with design specifications

ASSESSMENT CRITERION 3

3. Work is completed within allocated time

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

4. Accreditation Process and Moderation

Assessment of learner achievements takes place at providers accredited by CETA (RSA, 1998b) for the provision of programs that result in the outcomes specified for the National Certificate for Timber Roof Erecting. CETA is responsible for moderation of learner achievements of learners who meet the requirements of this unit standard. Those assessing the outcomes of this unit standard should be qualified assessors, registered with CETA for assessment of the qualification.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

Qualifying learners understand and can explain:

1. Building terminology
 2. The relevant SABS code of practice, and safety legislation
 3. Properties, maintenance and care of equipment, materials and tools
- Scale drawings, dimensions and tolerances

UNIT STANDARD DEVELOPMENTAL OUTCOME

N/A

UNIT STANDARD LINKAGES

N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING

Identify and solve problems relate to the following:

All the Specific Outcomes

Assessment Criteria:

Timber is marked and cut, drilled and machined according to design, using specialised equipment and tools where required

Girders are accurately positioned for bearing trusses

All trusses are free from internal wall support unless designed to be supported

UNIT STANDARD CCFO WORKING

Work effectively with others, relates to all Specific Outcomes and all Assessment Criteria

UNIT STANDARD CCFO ORGANISING

Employ self management, relates to the following:

All Specific Outcomes

jAssessment Criteria:

Timber is marked and cut, drilled and machined according to design, using specialised equipment and tools where required

Trusses and rafter components are constructed according to specification drawings

Manufactured truss components are constructed into formwork according to specification drawings-

Trusses are erected and braced safely and in accordance with specifications

Permanent bracing is correctly installed, and all trusses are tied down with roof ties, and fixed in accordance with design specifications

UNIT STANDARD CCFO COLLECTING

Manage information, relates to the following:

All Specific Outcomes

jAssessment Criteria:

Timber is marked and cut, drilled and machined according to design, using specialised equipment and tools where required

Trusses and rafter components are constructed according to specification drawings

Manufactured truss components are constructed into formwork according to specification drawings

Trusses are erected and braced safely and in accordance with specifications

All trusses are free from internal wall support unless designed to be supported

Permanent bracing is correctly installed, and all trusses are tied down with roof ties, and fixed in accordance with design specifications

UNIT STANDARD CCFO COMMUNICATING

Communicate effectively, relates to all Specific Outcomes and all Assessment Criteria

UNIT STANDARD CCFO SCIENCE

Demonstrate scientific and technological competence relate to all Specific Outcomes and all Assessment Criteria

UNIT STANDARD CCFO DEMONSTRATING

Understand contextual world-systems, relates to the following:

Specific Outcomes:

Manufacture specialised rafters and trusses

Erect and brace trusses

Assessment Criteria:

Timber is marked and cut, drilled and machined according to design, using specialised equipment and tools where required

Girders are accurately positioned for bearing trusses

Trusses are erected and braced safely and in accordance with specifications

All trusses are free from internal wall support unless designed to be supported

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	OLD	NEW	STATUS	END
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			LEVEL	LEVEL		DATE
Elective	24295	National Certificate: Timber Roof Erecting	Level 3	NQF Level 03	Passed the End Date - Status was "Reregistered"	2009-08-01

PROVIDERS CURRENTLY ACCREDITED TO OFFER THIS UNIT STANDARD:

This information shows the current accreditations (i.e. those not past their accreditation end dates), and is the most complete record available to SAQA as of today. Some Quality Assuring Bodies have a lag in their recording systems for provider accreditation, in turn leading to a lag in notifying SAQA of all the providers that they have accredited to offer qualifications and unit standards, as well as any extensions to accreditation end dates. The relevant Quality Assuring Body should be notified if a record appears to be missing from here.

NONE

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