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**SOUTH AFRICAN QUALIFICATIONS AUTHORITY
REGISTERED UNIT STANDARD:**

Cut and prepare timber for roof truss assembly

SAQA US ID	UNIT STANDARD TITLE			
117272	Cut and prepare timber for roof truss assembly			
ORIGINATOR		REGISTERING PROVIDER		
SGB Wood Products				
QUALITY ASSURING BODY				
-				
FIELD			SUBFIELD	
Field 01 - Agriculture and Nature Conservation			Forestry and Wood Technology	
ABET BAND	UNIT STANDARD TYPE	OLD NQF LEVEL	NEW NQF LEVEL	CREDITS
Undefined	Regular	Level 3	NQF Level 03	20
REGISTRATION STATUS		REGISTRATION START DATE	REGISTRATION END DATE	SAQA DECISION NUMBER
Reregistered		2008-08-05	2011-08-05	SAQA 0160/05
LAST DATE FOR ENROLMENT		LAST DATE FOR ACHIEVEMENT		
2012-08-05		2015-08-05		

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

This unit standard will enable people to identify, set up and safely cut the pre-determined timber into correct angles and lengths according to job specifications, whilst adhering to other agreed standards pertaining to performance, safety, quality, and the environment. People credited with this unit standard are able to:

- Participate in the selecting of material for cutting.
- Calibrate and set up cutting equipment.
- Cut timber.

LEARNING ASSUMED TO BE IN PLACE AND RECOGNITION OF PRIOR LEARNING

A Learner who wishes to enter a learning programme for this Unit Standard must be able to demonstrate:

- Competency in mathematical and communication skills equivalent to that of a person who has qualified in these subjects at NQF Level 2.
- An understanding of the basic activities of the timber roof truss manufacturing process and procedures of the relevant workplace.
- Knowledge and skills in the relevant workplace procedures, health and safety measures equivalent to NQF level 2 requirements.
- Knowledge of housekeeping principles.

UNIT STANDARD RANGE

The scope of this Unit Standard covers:

- All the safety rules and personal protective equipment used in the cutting stages.
- All equipment and tools used in the cutting stages.
- Workplace prescriptions regarding manual handling
- All the personnel involved in the cutting stages
- All raw material to be used in the cutting stage for ultimate assembly of the timber roof trusses.

The context of this Unit Standard relates to the training of a Learner at NQF Level 3 in the timber roof truss manufacturing activity.

The Level assigned to this Unit Standard, i.e. Level 3, is appropriate because it entails the training of a novice in a timber roof truss manufacturing environment and is a progression of the skills acquired from Levels 3 to 5.

Specific Outcomes and Assessment Criteria:

SPECIFIC OUTCOME 1

Participate in the selecting of material for cutting.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Timber is correctly selected from pre-drawn storage area according to cutting list and design requirements.

ASSESSMENT CRITERION 2

Timber is checked and ensured to be of correct quantity, quality, grades and sizes as per design specifications.

ASSESSMENT CRITERION 3

An awareness of defects which cause structural pine unsuitable for truss manufacture (reference SABS 1783-1), Various knot types, Moisture content, Wane, Warp - (BOW, CUP, SPRING OR TWIST) is demonstrated as per requirements.

ASSESSMENT CRITERION 4

Discrepancies regarding quantity, quality, grades and sizes are reported to the relevant person and rectified as per work instructions.

ASSESSMENT CRITERION 5

Non-complying raw material or products are correctly and safely eliminated from the production flow line.

ASSESSMENT CRITERION 6

The process is carried out safely and within the specified time as per work instructions.

ASSESSMENT CRITERION 7

Timber is safely loaded and conveyed to the correct cutting facility as per work instructions.

SPECIFIC OUTCOME 2

Calibrate and set up cutting equipment.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Cutting lists are correctly interpreted and all components identified as specified on job sheet.

ASSESSMENT CRITERION 2

Cutting equipment is calibrated and set up to correct angles, plumbness and lengths as determined in the job sheet.

SPECIFIC OUTCOME 3

Cut timber.

ASSESSMENT CRITERIA

ASSESSMENT CRITERION 1

Cutting equipment is accurately calibrated and saw blades are sharp as per machine specifications.

ASSESSMENT CRITERION 2

All safety guards are in place and personal protective equipment is in place, and the machine is started up as per work instructions.

ASSESSMENT CRITERION 3

The correct sizes and grades of timber are fed into saw cutting production run as per job sheet, and the machine is switched off after completion of production run.

ASSESSMENT CRITERION 4

The blades and lengths are re-set to suit each component requirement as per job sheet.

ASSESSMENT CRITERION 5

The machine is re-started and each component is cut as determined by design requirements, ensuring that all safety standards are complied with.

ASSESSMENT CRITERION 6

The cut material is loaded onto conveyance equipment for transfer to assembly storage area and all components are properly identified and marked as per job sheet.

ASSESSMENT CRITERION 7

Arrangements have been made for the conveyance of cut material to assembly or storage area as per work instructions.

UNIT STANDARD ACCREDITATION AND MODERATION OPTIONS

An individual who wishes to be assessed against this Unit Standard may apply to, or inform, his immediate superior in the relevant workplace, to request management to arrange for his / her

assessment by the relevant assessor accredited for this purpose by the ETQA of the FIETA. Accreditation for this Unit Standard shall be from the relevant Education and Training Quality Assurer (FIETA ETQA) through formative and summative assessment by a registered Assessor. Assessment should be contextual and be conducted in the workplace as far as possible.

The relevant NSB and SGB should be notified of any feedback related to this qualification.

- Assessors must be registered as an Assessor with the relevant ETQA.
- Moderators must be registered as assessors with the relevant ETQA.
- Training providers must be accredited by the relevant ETQA.
- Moderation should include both internal and external moderation where applicable.
- The FIETA ETQA will co-ordinate all moderation activities in accordance with their policies and procedures.

UNIT STANDARD ESSENTIAL EMBEDDED KNOWLEDGE

A demonstrated understanding of:

- The relevant safety procedures required by the OSHACT and the workplace.
- The organisation's work instructions.
- Workplace equipment and materials.
- Identification of defects and damage.
- Reporting procedures for problems.
- Interpreting cutting lists and design specifications.
- Interpreting the cutting lists and identifying all components.
- Setting of saw blades and jig lengths to correct angles and lengths for each component as determined by the design cutting schedule.
- Arrange for conveyance of cut material to assembly storage area.

UNIT STANDARD DEVELOPMENTAL OUTCOME

Equipment, Tools and Instruments utilised in his/her work area are effectively and efficiently cared for and stored.

UNIT STANDARD LINKAGES

N/A

Critical Cross-field Outcomes (CCFO):

UNIT STANDARD CCFO IDENTIFYING

Identify and rectify problems.

UNIT STANDARD CCFO WORKING

Work efficiently and safely as a motivated member of a team in his/her work area.

UNIT STANDARD CCFO DEMONSTRATING

Understand and efficiently and safely carry out instructions of line managers in his/her work area.

QUALIFICATIONS UTILISING THIS UNIT STANDARD:

	ID	QUALIFICATION TITLE	OLD LEVEL	NEW LEVEL	STATUS	END DATE
Elective	49083	National Certificate: Wood Products Processing	Level 3	NQF Level 03	Reregistered	2011-08-05

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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