



This version of this unit replaces all previously published versions with effect from January 2012. This unit should be used by all learners registering for qualifications that include it in their structure from this date.

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| Unit title: | Erecting timber roof structures in the workplace |
| Unit reference number: | Y/503/2746 |
| QCF level: | 2 |
| Credit value: | 27 |
| Guided learning hours: | 90 |
| Start date: | January 2012 |

Unit summary

The aim of this unit is to develop the skills, knowledge and understanding required to confirm competence in erecting timber roof structures in the workplace within the relevant sector of industry.

Assessment requirements/evidence requirements

This unit must be assessed in a work environment, in accordance with:

- the Additional Requirements for Qualifications using the title NVQ in QCF
- the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.

Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.

Workplace evidence of skills cannot be simulated.

This unit must be assessed against the following endorsements:

- in situ roofs – manually handled
- in situ roofs – mechanically handled
- pre-assembled roofs – mechanically handled.

Assessment recording

This unit is assessed in the workplace. The table on the following pages shows the learning outcomes and the assessment criteria for this unit. The table includes space for learners to enter the types of evidence they are presenting for assessment and the submission date against each assessment criterion. Alternatively, centres can use their own documentation.

Learning outcomes and assessment criteria

| Learning Outcome | | Assessment Criterion | Evidence type | Portfolio reference | Date |
|------------------|---|----------------------|---|---------------------|------|
| 1 | Interpret the given information relating to the work and resources needed when erecting timber roof structures. | 1.1 | Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information. | | |
| | | 1.2 | Comply with information and/or instructions derived from risk assessments and method statements. | | |
| | | 1.3 | State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented. | | |
| | | 1.4 | Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> - drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and regulations governing buildings. | | |
| 2 | Know how to comply with relevant legislation and official guidance when erecting timber roof structures. | 2.1 | Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> - in the workplace, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting. | | |

| Learning Outcome | Assessment Criterion | Evidence type | Portfolio reference | Date |
|------------------|----------------------|---|---------------------|------|
| | 2.2 | Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative. | | |
| | 2.3 | Explain what the accident reporting procedures are and who is responsible for making reports. | | |
| 3 | 3.1 | Maintain safe working practices when erecting timber roof structures. | | |
| | 3.1 | Use health and safety control equipment and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when erecting timber roof structures. | | |
| | 3.2 | Explain why and when health and safety control equipment, identified by the principles of protection, should be used relating to erecting timber roof structures, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> - collective protective measures - personal protective equipment (PPE) - respiratory protective equipment (RPE) - local exhaust ventilation (LEV). | | |
| | 3.3 | Describe how the relevant health and safety control equipment should be used in accordance with the given instructions. | | |

| Learning Outcome | Assessment Criterion | Evidence type | Portfolio reference | Date |
|--|----------------------|--|---------------------|------|
| | 3.4 | State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards. | | |
| 4 Select the required quantity and quality of resources for the methods of work to erect timber roof structures. | 4.1 | Select resources associated with own work in relation to materials, components, fixings, tools and equipment. | | |
| | 4.2 | Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> - timber, timber/non-timber sheet material, trussed rafters, preservatives, adhesives, sealants, fixings and associated ancillary items - hand and/or powered tools and equipment. | | |
| | 4.3 | Describe how the resources should be used correctly and how problems associated with the resources are reported. | | |
| | 4.4 | Explain why the organisational procedures have been developed and how they are used for the selection of required resources. | | |
| | 4.5 | Describe any potential hazards associated with the resources and method of work. | | |

| Learning Outcome | | Assessment Criterion | | Evidence type | Portfolio reference | Date |
|------------------|--|----------------------|---|---------------|---------------------|------|
| 5 | Minimise the risk of damage to the work and surrounding area when erecting timber roof structures. | 4.6 | Describe how to calculate quantity, length and area associated with the method/procedure to erect timber roof structures. | | | |
| | | 5.1 | Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures. | | | |
| | | 5.2 | Minimise damage and maintain a clean work space. | | | |
| | | 5.3 | Dispose of waste in accordance with legislation. | | | |
| | | 5.4 | Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions. | | | |
| 6 | Complete the work within the allocated time when erecting timber roof structures. | 5.5 | Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance. | | | |
| | | 6.1 | Demonstrate completion of the work within the allocated time. | | | |

| Learning Outcome | Assessment Criterion | Evidence type | Portfolio reference | Date |
|---|--|---------------|---------------------|------|
| | 6.2 State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> - types of progress charts, timetables and estimated times - organisational procedures for reporting circumstances which will affect the work programme. | | | |
| 7 Comply with the given contract information to erect timber roof structures to the required specification. | 7.1 Demonstrate the following work skills when erecting timber roof structures: <ul style="list-style-type: none"> - measuring, marking out, fitting, finishing, positioning and securing. | | | |
| | 7.2 Construct and erect the following roof structures to given working instructions: <ul style="list-style-type: none"> - in-situ roofs (manually and/or mechanically handled) - site pre-assembled roof structures (mechanically handled). | | | |
| | 7.3 Safely use and handle materials. | | | |
| | 7.4 Safely use hand tools, portable power tools and ancillary equipment. | | | |
| | 7.5 Safely store the materials, tools and equipment used when erecting timber roof structures. | | | |

| Learning Outcome | Assessment Criterion | Evidence type | Portfolio reference | Date |
|------------------|--|---------------|---------------------|------|
| | <p>7.6 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> - identify roof components - construct in-situ, flat and pitched roofs - install pre-assembled, flat and pitched roof structures - erect gables, hips, valleys and dormers - form joints associated with timber frame erection - install temporary works/bracing - form openings. | | | |
| | <p>7.7 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to:</p> <ul style="list-style-type: none"> - work with mechanically lifted loads and ancillary equipment - unload and store roof components - use hand tools, power tools and equipment. - work at height - use access equipment. | | | |

| Learning Outcome | Assessment Criterion | | Evidence type | Portfolio reference | Date |
|------------------|----------------------|--|---------------|---------------------|------|
| | 7.8 | Describe the needs of other occupations and how to effectively communicate within a team when erecting timber roof structures. | | | |
| | 7.9 | Describe how to maintain the tools and equipment used when erecting timber roof structures. | | | |

Learner name: _____

Date: _____

Learner signature: _____

Date: _____

Assessor signature: _____

Date: _____

Internal verifier signature: _____
(if sampled)

Date: _____