



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.

<b>Unit title:</b>	<b>Fabricating timber framework in the workplace</b>
<b>Unit reference number:</b>	J/503/2726
<b>QCF level:</b>	2
<b>Credit value:</b>	22
<b>Guided learning hours:</b>	73
<b>Start date:</b>	January 2012

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### Unit summary

The aim of this unit is to develop the skills, knowledge and understanding required to confirm competence in fabricating timber framework 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.

## 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 fabricating timber framework.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and cutting lists.			
		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"> <li>- drawings specifications, method statements, risk assessments, cutting lists and information relating to historical timber framing and post and beam construction.</li> </ul>			

Learning Outcome		Assessment Criterion		Evidence type	Portfolio reference	Date
2	Know how to comply with relevant legislation and official guidance when fabricating timber framework.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: in the workplace, at height, in confined spaces, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.			
		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.			
		2.4	State the types of fire extinguishers available when fabricating timber framework and describe how and when they are used.			
3	Maintain safe working practices when fabricating timber framework.	3.1	Use health and safety control equipment and access equipment/working platforms safely to carry out the activity in accordance with legislation and organisational requirements when fabricating timber framework.			

Learning Outcome		Assessment Criterion	Evidence type	Portfolio reference	Date	
		3.2	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to fabricating timber framework, 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"> <li>– collective protective measures</li> <li>– personal protective equipment (PPE)</li> <li>– respiratory protective equipment (RPE)</li> <li>– local exhaust ventilation (LEV).</li> </ul>			
		3.3	Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.			
		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 fabricate timber framework.	4.1	Select resources associated with own work in relation to materials and structural components, timber and metal fixings, tools, machines and equipment.			

Learning Outcome	Assessment Criterion	Evidence type	Portfolio reference	Date	
		4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– timber, manufactured sheet material</li> <li>– pegs and metal fixings</li> <li>– marking and levelling tools and equipment</li> <li>– hand tools and hand-held power tools and equipment</li> <li>– power tools/machines.</li> </ul>			
		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.			
		4.6 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to fabricate timber framework.			

Learning Outcome		Assessment Criterion		Evidence type	Portfolio reference	Date
5	Minimise the risk of damage to the work and surrounding area when fabricating timber framework.	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.			
		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	Complete the work within the allocated time when fabricating timber framework.	6.1	Demonstrate completion of the work within the allocated time.			
		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"> <li>– types of progress charts, timetables and estimated times</li> <li>– organisational procedures for reporting circumstances which will affect the work programme.</li> </ul>			

Learning Outcome		Assessment Criterion	Evidence type	Portfolio reference	Date	
7	Comply with the given contract information to fabricate timber framework to the required specification	7.1	Demonstrate the following work skills when fabricating timber framework: – measuring, marking out, jointing, fitting, marking, finishing, positioning and securing.			
		7.2	Fabricate, assemble and carpenter mark components to given working instructions for: – timber wall and floor components (structural and/or non-structural) – timber pitched roof components.			
		7.3	Store components ready for transportation/use to given instructions.			
		7.4	Safely use and handle materials.			
		7.5	Safely use and maintain hand tools, hand-held portable power tools, power tools/machines and ancillary equipment.			
		7.6	Safely store the materials, tools and equipment used when fabricating timber framework.			



Learning Outcome	Assessment Criterion	Evidence type	Portfolio reference	Date
	<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"> <li>– cut, shape, fit and assemble components to fabricate structural and/or non- structural timber walls and floor components</li> <li>– cut, shape, fit and assemble components for structural timber pitched roofs</li> <li>– mark and drill offset peg holes</li> <li>– make different types of pegs</li> <li>– make carpenter marks.</li> </ul>			
	<p>7.8 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"> <li>– use roofing squares and layout methods</li> <li>– apply the theorem of Pythagoras</li> <li>– determine geometrical angles</li> <li>– determine graded timber tree anatomy and growth rates, shrinkage and defects</li> <li>– assess the milling and cleaving process</li> <li>– form specialised joints associated with heavy structural timber framework components.</li> </ul>			

Learning Outcome		Assessment Criterion	Evidence type	Portfolio reference	Date
		7.9 Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> <li>– store components ready for transportation and use</li> <li>– work with lifting and hoisting equipment (an awareness of the necessity for user certification)</li> <li>– use hand tools, hand-held power tools, specialised power tools/machines and equipment</li> <li>– work at height</li> <li>– use access equipment.</li> </ul>			
		7.10 Describe the needs of other occupations and how to effectively communicate within a team when fabricating timber framework.			
		7.11 Describe how to maintain the tools and equipment used when fabricating timber framework.			

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Date: \_\_\_\_\_

Learner signature: \_\_\_\_\_

Date: \_\_\_\_\_

Assessor signature: \_\_\_\_\_

Date: \_\_\_\_\_

Internal verifier signature: \_\_\_\_\_

Date: \_\_\_\_\_

*(if sampled)*

