

Unit Specification for Regulated Qualifications

Unit title	Erecting and Striking Timber and Proprietary Formwork in the Workplace
Unit Level	2
Credit	20
Guided Learning Hours	110
SQA Unit code	HW4N 68
Regulator Unit code	H/616/5701
Publication date	October 2017
Unit owner and reference	Unit 510v2 06-16
Version	1

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Level:	2
Value for TQT:	200
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
1 Interpret the given information relating to the work and resources when erecting and striking timber and proprietary formwork.	1.1 Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, manufacturers'-and suppliers' information.
	1.2 Comply with information and/or instructions derived from risk assessments and method statements.
	1.3 Describe 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' and suppliers' information, official guidance and current regulations.
2 Know how to comply with relevant legislation and official guidance when erecting and striking timber and proprietary formwork.	2.1 Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, 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 Describe what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when erecting and striking timber and proprietary formwork.	3.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when erecting and striking timber and proprietary formwork.
	3.2 Demonstrate compliance with given information and relevant legislation when erecting and striking timber and proprietary formwork in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health.

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3 continued	3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting and striking timber and proprietary formwork and the types, purpose and limitations of each type, the work situation and the 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) 	
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.	
	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities..	
4 Select the required quantity and quality of resources for the methods of work to erect and strike timber and proprietary formwork.	4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.	
	4.2 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – timber, timber sheets and non-timber based sheet material – proprietary formwork and associated items – tie systems – soldiers and walings – protective coatings – fixtures and fittings – access equipment – hand tools, portable powered tools and equipment. 	
	4.3 Describe how to confirm that the resources and materials conform to the specification.	
	4.4 Describe how the resources should be used correctly and how problems associated with the resources are reported.	
	4.5 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.	
	4.6 Describe potential hazards associated with the resources and methods of work.	
	4.7 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to erect	

	and strike timber and proprietary formwork.
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5 Minimise the risk of damage to the work and surrounding area when erecting and striking timber and proprietary formwork.	5.1 Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2 Maintain a clean work space.
	5.3 Dispose of waste in accordance with current 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 erecting and striking timber and proprietary formwork.	6.1 Demonstrate completion of the work within the allocated time.
	6.2 Describe 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 and strike timber and proprietary formwork to the required specification.	7.1 Demonstrate the following work skills when erecting and striking timber and proprietary formwork: <ul style="list-style-type: none"> – measuring, marking out, positioning, securing, finishing, removing and storing.
	7.2 Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3 Erect and strike timber formwork to given working instructions for at least two of the following: <ul style="list-style-type: none"> – walls – columns – beams – soffits – bases.

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7 continued	7.3	Erect and strike proprietary formwork systems to given working instructions for at least one of the following: <ul style="list-style-type: none"> – climbing – jumping – slip form – panel systems – soldiers and/or walings.
	7.4	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"> – erect and strike formwork for walls, columns, beams, soffits, bases, kickers, stop ends and pre-cast units – erect and strike proprietary climbing, jumping, slip form and panel systems – attach and remove soldiers and walings – attach and remove safe lifting provision – position and strike box outs and bolt boxes, grout checks, level controls, angle fillets and features – position, secure and remove tie systems – apply release agents – identify differences in concrete pressure – recognise and determine when specialist skills and knowledge are required and report accordingly – work with, around and in close proximity to plant and machinery – direct and guide the operations and movement of plant and machinery – use hand tools, portable power tools and equipment – work at height – use access equipment.
	7.6	Describe the needs of other occupations and how to communicate effectively within a team when erecting and striking timber and proprietary formwork.
	7.7	Describe how to maintain the tools and equipment used to erect and strike timber and proprietary formwork.

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Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>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.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector subject area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	110