



## Unit Specification for Regulated Qualifications

<b>Unit title</b>	Erecting Steel Frame Wall and Floor Structures in the Workplace
<b>Unit Level</b>	2
<b>Credit</b>	180
<b>Guided Learning Hours</b>	70
<b>SQA Unit code</b>	J001 68
<b>Regulator Unit code</b>	K/616/9636
<b>Publication date</b>	April 2018
<b>Unit Owner and Reference</b>	CITB 291v2
<b>Version</b>	1

<b>Title:</b>	Erecting steel frame wall and floor structures in the workplace	
<b>Level:</b>	2	
<b>TQT value:</b>	180	
<b>Learning outcomes</b> <i>The learner will be able to:</i>	<b>Assessment criteria</b> <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when erecting steel frame walls and floors.	1.1	Interpret and extract information from drawings, specifications, schedules and manufacturers' information and method statements.
	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, schedules, manufacturers' information, method statements and regulations governing buildings.</li> </ul>
2 Know how to comply with relevant legislation and official guidance when erecting steel frame walls and floors.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> <li>– 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.</li> </ul>
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	State what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe working practices when erecting steel frame walls and floors.	3.1	Use personal protective equipment (PPE) and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when erecting steel frame walls and floors.
	3.2	Explain why and when personal protective equipment (PPE) should be used, relating to the erecting of steel frame walls and floors and the types, purpose and limitations of each type.
	3.3	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.

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4 Select the required quantity and quality of resources for the methods of work to erect steel frame walls and floors.	4.1 Describe the characteristics, quality, uses, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> <li>– internal and external walls, ring beams, lattice beams, HR columns, HR beams, metal decking, metal sections, steel fixings, timber-based decking fixings, DPC and associated items</li> <li>– hand and/or powered tools and equipment.</li> </ul>	
	4.2 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.	
	4.3 State how the resources should be used correctly, how problems associated with the resources are reported and how the organisational procedures are used.	
	4.4 Outline potential hazards associated with the resources and method of work.	
	4.5 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to erect steel frame walls and floors.	
5 Minimise the risk of damage to the work and surrounding area when erecting steel frame walls and floors.	5.1 Protect the work and its surrounding area from damage.	
	5.2 Minimise damage and maintain a clean work space.	
	5.3 Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.	
	5.4 Dispose of waste in accordance with legislation.	
	5.5 State why the disposal of waste should be carried out in relation to the work.	
6 Complete the work within the allocated time when erecting steel frame walls and floors.	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>	

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7 Comply with the given contract information to erect steel frame walls and floors to the required specification.	7.1 Demonstrate the following work skills when erecting steel frame wall and floor structures: <ul style="list-style-type: none"> <li>– measuring, marking out, fitting, finishing, positioning and securing.</li> </ul>
	7.2 Erect the following to contractor’s working instructions: <ul style="list-style-type: none"> <li>– ring beams</li> <li>– pre-manufactured and/or in-situ load bearing walls</li> <li>– prefabricated and/or in-situ non-load bearing walls</li> <li>– lattice beams and/or C section joists</li> <li>– pre-manufactured and/or in-situ intermediate floors</li> <li>– floor decking</li> <li>– hot rolled columns and beams.</li> </ul>
	7.3 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>– erect manually and by crane ring beams, load bearing and non-load bearing wall, lattice beams, C section joists, HR beams and columns</li> <li>– lay intermediate floors (metal deck and/or timber based)</li> <li>– form connections associated with steel frame construction</li> <li>– work with crane lifted loads</li> <li>– use hand tools, power tools and equipment.</li> </ul>
	7.4 Safely use and store hand tools, portable power tools and ancillary equipment.
	7.5 State the needs of other occupations and how to communicate within a team when erecting steel frame walls and floors.
	7.6 Describe how to maintain the tools and equipment used for erecting steel frame walls and floors.

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<b>Additional information about this unit</b>	
Assessment Guidance	<p>This unit must be assessed in a work environment, 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> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure. Please refer to the NVQ Structure applicable to the qualification/occupational area in which the candidate is being assessed.</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	60