Unit 236 Erecting structural carcassing components in the workplace

Level: 2

Unit aim:
The aim of this unit is to provide you with an awareness of:

- interpreting information
- adopting safe and healthy working practices
- selecting materials, components and equipment
- producing and carrying out the erection of carcassing components for roofs and floors

*PER – Portfolio evidence reference SO – Site observation OQ – Oral question WQ – Written question WT – Witness testimony
PS – Product supplementary PD – Professional discussion

Assessment criteria that are practical activities are highlighted in bold.

1. Interpret the given information relating to the work and resources .							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
1.1 **interpret and extract relevant information from:**							
a. **drawings**							
b. **specifications**							
c. **schedules**							
d. **method statements**							
e. **risk assessments**							
f. **manufacturers' information**							

1.2 **comply with information and/or instructions derived from risk assessments and method statement**							
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:							
a. drawings							
b. specifications							
c. schedules							
d. method statements							
e. risk assessments							
f. manufacturers' information							
g. oral and written instructions							
h. Sketches							
i. electronic data							
j. official guidance and current building regulations associated with erecting structural carcassing components							

2. Know how to comply with relevant legislation and official guidance when erecting structural carcassing components							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
2.1 describe your responsibilities under current legislation and official guidance whilst working:							
a. in the workplace							
b. below ground level							
c. at height							
d. with tools and equipment							

e. with materials and substances							
f. with movement and storage of materials by manual handling and mechanical lifting							
2.2 describe the organisational security procedures for tools, equipment and personal belongings in relation to:							
a. site							
b. workplace							
c. company							
d. operative							
e. vehicles							
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 erecting structural carcassing components and describe how and when they are used.							

3. Maintain safe working practices when erecting structural carcassing components.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
3.1 **use health and safety control equipment safely and comply with work methods to carry out the activity in accordance with legislation and organizational requirements when erecting structural carcassing components**							
3.2 **Demonstrate compliance with given information and relevant legislation when erecting structural carcassing components for at least two of the following:**							
a. safe use of access equipment							
b. safe use, storage and handling of materials tools and equipment							
c. specific risks to health							

3.3 explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to erecting structural carcassing components, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:							
a. collective protective measures							
b. Personal Protective Equipment (PPE)							
c. Respiratory Protective Equipment (RPE)							
d. 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 organizational authorization and personal skills when involved with:							
a. fires							
b. spillages							
c. injuries							
d. other task-related activities.							
4. Select the required quantity and quality of resources for the methods of work to erect structural carcassing components.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
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:							
a. timber							
b. timber based products							
c. composite materias							
d. plastic mouldings							

e. metals							
f. trussed rafters							
g. adhesives							
h. sealants							
i. fixings							
j. hand and power tools							
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 any potential hazards associated with the resources and method of work							
4.7 describe how to calculate:							
a. quantity							
b. length							
c. area associated with the method and procedure to equip scaffolding with the method/procedure to erect structural carcassing components.							

5. Minimise the risk of damage to the work and surrounding area when erecting structural carcassing components.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
5.1 **protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures**							
5.2 **maintain a clear and tidy 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:							
a. general workplace activities							
b. other occupations							
c. adverse weather conditions							
5.5 explain why the disposal of waste should be carried out safely in accordance with:							
a. environmental responsibilities							
b. organisational procedures							
c. manufacturers' information							
d. statutory regulations and official guidance.							

6. Complete the work within the allocated time when erecting structural carcassing components.							
You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
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:							
a. types of productivity targets and time scales							
c. how times are estimated							
d. organisational procedures for reporting circumstances which will affect the work programme.							

7. Comply with the given contract information to erect structural carcassing components to the required specification.

You must be able to:	*PER	SO	OQ	WQ	WT	PS	PD
7.1 **demonstrate the following work skills when erecting structural carcassing components:**							
a. **measuring**							
b. **marking out**							
c. **fitting**							
d. **finishing**							
e. **positioning and securing**							
7.2 **use and maintain hand and power tools**							
7.3 **erect one of the following to given working instructions:**							
a. **inclined roofs with gables**							
b. **load bearing partitions**							
c. **joists (ground, upper or flat roof), including coverings (flat roofs, decks or floors)**							
7.4 describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to:							
a. prepare and fix gable roof trussed rafters, cut roofs, ground, upper and flat roof joists. load bearing partitions							
b. form joints associated with carcassing							
c. recognise and determine when specialist skills and knowledge are required and report accordingly							
d. determine specific requirements for structures of special interest, traditional build (pre 1919) and							
e. identify and follow the installation quality requirements							
f. work with, around and in close proximity to plant and machinery							
g. use hand and power tools							

h. work at height							
i. use access equipment							
7.5 describe the needs of other occupations and how to effectively communicate within a team when erecting structural carcassing components							
7.6 describe the methods of sharpening the hand tools used when erecting structural carcassing components							
7.7 describe how to maintain the tools and equipment used when erecting structural carcassing components							

Unit 236 Erecting structural carcassing components in the workplace

Declaration

I confirm that the evidence supplied for the above unit is authentic and a true representation of my own work. The work logged is my own work carried out during my normal work duties.

Candidate name:	
Candidate signature:	
Date:	

I confirm that this candidate has achieved all the requirements of this unit with the evidence listed. Assessment was conducted under the specified conditions and context, and is valid, authentic, reliable, current and sufficient.

Assessor name:	
Assessor signature:	
Date:	

IQA name:	
IQA signature:	
Date:	