

PERFORM BUILDING TEMPORARY WORKS

UNIT CODE: CON/OS/BUT/CC/03/4/A

UNIT DESCRIPTION

This Unit describes the competencies required to perform building temporary works. It involves constructing and dismantling trench timbering, constructing and dismantling building formwork/shuttering, erecting and dismantling building scaffolding, and erecting and dismantling building shores.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace function	These are assessable statements which specify the required level of performance for each of the elements. <i>Bold and italicized terms are elaborated in the Range</i>
1. Construct and dismantle trench timbering	1.1 Personal protective equipment is selected, fitted and used according to safety rules and regulations 1.2 Trench timbering is constructed as per <i>soil type</i> and site topography 1.3 Trench timbering is dismantled according to site procedures and critical structural safety requirements
2. Construct and dismantle building formwork/shuttering	2.1 Personal protective equipment is selected, fitted and used according to safety rules and regulations 2.2 <i>Formwork type</i> is erected according to the structural element to be cast 2.3 Oiling of timber formwork surface is carried out for easy dismantling after concrete setting 2.4 Formwork is fixed into position in accordance with the construction rules and regulations 2.5 Formwork is dismantled according to site procedures and critical structural safety requirements
3. Erect and dismantle building scaffold	3.1 <i>Personal protective equipment</i> is selected, fitted and used according to safety rules and regulations and job specifications 3.2 Scaffolds are erected to plan according to safe work practices and engineers' specifications

	<p>3.3 Scaffolds are dismantled according to engineers' specifications, site procedures and critical structural safety requirements</p> <p>3.4 Site cleaned and cleared of all tools, excess material and waste</p>
4. Erect and dismantle building shores	<p>4.1 Personal protective equipment is selected, fitted and used according to safety rules and regulations</p> <p>4.2 Shoring is erected as per site conditions and building construction rules and regulations</p> <p>4.3 Shoring is dismantled according to site procedures and critical structural safety requirements</p>

RANGE

This section provides work environments and conditions to which the performance criteria apply. It allows for different work environments and situations that will affect performance.

Variable	Range
1. Soil type may include but is not limited to:	<ul style="list-style-type: none"> • unconsolidated soils • consolidated soils
2. Formwork material may include but is not limited to:	<ul style="list-style-type: none"> • Timber • Metal plates • Plastic
3. Formwork type may include but is not limited to:	<ul style="list-style-type: none"> • column formwork • beam formwork • Slab formwork • staircase formwork
4. Personal protective equipment	<ul style="list-style-type: none"> • Helmets • Safety boots • Gloves • Overall • Reflectors

REQUIRED KNOWLEDGE AND SKILLS

Knowledge

- Measurement
- Formwork
- Scaffolding

- Soil properties
- Wall construction
- Trench excavation
- Basic arithmetic
- Technical drawings

Skills

- Measurement skills
- Basic mathematic skills
- Reading skills
- Communication skills
- Problem solving skills
- Critical thinking
- Construction tools handling skills

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge and range.

1. Critical Aspects of Competency	Assessment requires evidence that the candidate: 1.1 Erected and dismantled building scaffolds 1.2 Constructed and dismantled building formwork/shuttering 1.3 Constructed and dismantled trench timbering 1.4 Erected and dismantled building shores 1.5 Observed occupational health and safety procedures to create a safe working environment
2. Resource Implications	The following resources should be provided: 2.1 Training workshops 2.2 Construction tools and equipment 2.3 Occupational Safety and health manuals 2.4 Construction manuals 2.5 Reference textbooks 2.6 Qualified trainers 2.7 Personal protective equipment
3. Methods of Assessment	Competency may be assessed through: 3.1 Written assignments 3.2 Written Exams 3.3 Practical projects

	<p>3.4 Practical exams</p> <p>3.5 Oral questioning</p> <p>3.6 Observation of work procedures</p>
4. Context of Assessment	<p>Competency may be assessed</p> <p>4.1 On job</p> <p>4.2 Off job</p> <p>4.3 During industrial Attachment.</p>
5. Guidance information for assessment	<p>Holistic assessment with other units relevant to the industry sector, workplace and job role is recommended.</p>

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