



Australian Government

Department of Education, Employment and Workplace Relations

AHCLSC308A Install metal structures and features

Release: 1

AHCLSC308A Install metal structures and features

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of installing metal structures and features as a component of landscape project works and defines the standard required to: plan and set out a site for the installation; prepare and cut metal components; assemble and erect structure; check quality of work and clean up site.
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Application of the Unit

Application of the unit	This unit applies to the installation of metal structures and features as a component of landscape project works.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare work	<p>1.1.Plans and specifications are interpreted and clarified with the supervisor.</p> <p>1.2.The quantity and quality of materials are checked to ensure they conform to design drawings and specifications.</p> <p>1.3.Tools and equipment are selected and checked for serviceability according to enterprise guidelines.</p> <p>1.4.Occupational Health and Safety (OHS) hazards are identified, risks assessed and controls implemented.</p> <p>1.5.Environmental implications of installing metal structures are identified and reported to the supervisor.</p>
2. Set out the site for the structure	<p>2.1.Services are determined and located from site plans.</p> <p>2.2.The position of the structure or feature is marked out according to design drawings and specifications.</p> <p>2.3.Profiles are established to conform to the tolerances nominated within the design drawings and specifications.</p> <p>2.4.Footings are excavated and prepared according to the type of structure or feature to be installed.</p>
3. Prepare and cut metal components	<p>3.1.Components are laid out ready for assembly to the requirements contained in the design drawings and specifications.</p> <p>3.2.The length of components and the positions of joins are marked out according to designated specifications in design drawings.</p> <p>3.3.Cutting tools are selected, used and maintained according to manufacturer's recommendations and OHS specifications.</p> <p>3.4.Components are cut and joined in preparation for assembly.</p>
4. Assemble and erect structure	<p>4.1.Metal components are assembled into position and fixed into place according to design drawings and specifications.</p> <p>4.2.Remaining components are installed and fixed into position according to design drawings and specifications.</p> <p>4.3.Structure is finished off to ensure all components are secure and complete.</p> <p>4.4.Coatings are applied according to specifications, manufacturer's recommendations and OHS</p>

ELEMENT	PERFORMANCE CRITERIA
	guidelines.
5. Check quality of work and clean up site	<p>5.1. Quality of finished work is inspected to ensure the standard of the finished structure or feature is in accordance with design drawings and specifications.</p> <p>5.2. Debris is cleaned from structure and site according to enterprise guidelines.</p> <p>5.3. Waste material is disposed of in an environmentally aware and sensitive manner.</p> <p>5.4. Unused metal components are stored for future re-use according to enterprise guidelines.</p> <p>5.5. Tools and equipment are cleaned and stored according to enterprise guidelines.</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- measure and mark lengths of metal components accurately
- join and cut metal components using different techniques and methods
- use some surveyor's instruments
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use interpersonal skills to work with and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- surveying principles and techniques
- the correct use of hand and power tools and other OHS requirements associated with installing structures and features
- comparative environmental implications associated with excavation and construction activity.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	<p>The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following:</p> <ul style="list-style-type: none"> • plan and set out a site for the installation • prepare and cut metal components • assemble and erect structure • check quality of work and clean up site.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Installation may include:	<ul style="list-style-type: none"> • fences • handrails • screens • seats • bollards • playground equipment • rubbish bins • plant surrounds • sculptures • other ornamental features.

Unit Sector(s)

Unit sector	Landscape
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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