



Australian Government

Department of Education, Employment and Workplace Relations

LMFBA3005A Construct framework for canopy- style awnings

Revision Number: 1

LMFBA3005A Construct framework for canopy- style awnings

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit specifies the outcomes required to construct the steel or aluminium framework for canopy-style awnings.
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Application of the Unit

Application of the unit	This unit applies to the skills and knowledge required to construct the framework for canopy-style awnings. The unit applies in a workplace and on-site environment and may be conducted in a small to large scale enterprises. Applications may involve some responsibility for others. Participation in teams including group or team coordination may be involved.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	Nil	

Employability Skills Information

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

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Establish work requirements and prepare for work	1.1. OHS requirements, legislative requirements and workplace practices are observed throughout the work 1.2. Personal protective equipment is selected and used 1.3. Tools and equipment are selected and checked for safe operation 1.4. Work order requirements are checked and confirmed
2. Fabricate framework	2.1. Material and hardware is selected and checked against work order 2.2. Frame is fabricated according to work instructions 2.3. Fixing points are incorporated into frame fabrication 2.4. Measurements are checked against work order
3. Assemble framework	3.1. Frame is assembled according to manufacturer instructions and workplace practices 3.2. Frame is braced 3.3. Frame is finished according to work order and workplace practices 3.4. Splines for attaching cloth are cut
4. Apply quality checks	4.1. Completed framework is checked ensuring finished product matches work order 4.2. Parts of the work that do not comply with work order are repaired.
5. Complete work	5.1. Finished work is cleaned, packaged and stored following workplace practices 5.2. Tools and equipment are cleaned, maintained and stored 5.3. Faulty tools and equipment are reported to appropriate personnel 5.4. Work area is cleaned and waste is disposed of according to workplace procedures 5.5. Workplace documentation is completed

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- read and understand documentation
- ask questions to gain information
- complete standardised workplace documentation
- work with others and in a team to construct framework for canopy-style awnings
- use pre-checking and inspection techniques to anticipate production problems, avoid re-working and wastage
- test systems and make adjustments
- select appropriate solutions to problems
- adapt to new situations
- discuss initiatives with colleagues
- initiate solutions to problems
- plan and organise own work, including preparation and planning of work and obtaining equipment and materials to avoid backtracking
- manage own time and prioritise own work
- assess own skills and knowledge
- take responsibility
- apply quality practices
- adapt to new skill requirements
- apply reflective skills
- use workplace technology related to constructing framework for canopy style awnings, including specified tools, equipment, calculators and measuring devices

Required knowledge

- State or Territory OHS legislation, regulations, standards and codes of practice relevant to the full range of processes for constructing metal awnings frames
- organisational and workplace standards, requirements, policies and procedures for constructing framework for canopy style awnings
- environmental protection requirements relating to the disposal of waste material
- established lines of communications and workplace protocols
- problem identification and resolution
- types of tools and equipment used in constructing framework for canopy style awnings and procedures for their safe use, operation and maintenance
- characteristics of aluminium and steel used in constructing framework for canopy style awnings
- computer programs
- cutting patterns and sequences

REQUIRED SKILLS AND KNOWLEDGE

- cutting tool condition including sharpness, straightness and suitability for task
- industry standards for framing steel and aluminium
- storage systems and labelling
- procedures for the recording, reporting and maintenance of workplace records and information
- mathematical procedures for estimation and measurement

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.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- Interpret work order, locate materials and use information to complete tasks in constructing framework for canopy style awnings
- Apply safe handling practices and safe operating procedures for equipment, products and materials to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
- Identify materials and equipment used in constructing framework for canopy style awnings
- Select, set up and maintain equipment in accordance with manufacturer specifications and workplace practices
- Communicate and work with others in the work area
- Report process for materials faults, damaged products or equipment
- Construct a minimum two frameworks for canopy style awning. Task is to include selecting tools, equipment and materials, fabricating and/or assembling to framework, finishing the framework, applying quality checks, packaging and storing framework, maintaining and storing tools and equipment, cleaning work area and completing workplace documentation.

Context of, and specific resources for assessment

- The application of competency is to be assessed in the workplace or simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of required knowledge and skills may be conducted in workplace or simulated workplace environments
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to constructing framework for canopy style awnings
 - workplace practices including standard operating procedures and work instructions for constructing

EVIDENCE GUIDE	
	canopy style awnings
Method of assessment	Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of required knowledge and skills Assessment methods should be by direct observation of tasks and include questioning on required knowledge and skills to ensure its correct interpretation and application Assessment should be conducted over time and may be in conjunction with assessment of other units of competency

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

OHS requirements	include Commonwealth, State or Territory legislation and regulations, organisational safety policies and procedures. Requirements may the use of personal protective equipment, fire fighting equipment, First Aid equipment, hazard and risk control and elimination of hazardous materials and substances, manual handling including lifting and carrying.
Legislative requirements	include applicable legislation from all levels of government that affect organisational operation. Requirements may include award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OHS, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care and heritage.
Workplace practices	include legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines), tolerances, following manufacturer instructions and specifications
Personal protective equipment	includes safety glasses/goggles, hearing protection, safety footwear, protective clothing and head wear, respiratory protection
Tools and equipment	include calculators, pop rivet gun, screwdrivers, hack saws, socket set, hand grinder, hammers, files, tin snips, spanners, level, square, measuring tape, hex keys, tap

RANGE STATEMENT	
	and die sets, straight edges, pipe bender, bench grinders, hammer drills, cordless screwdriver/drill, air drills, jig saws, circular saws
Work order	- includes quotations for work, job cards, customer orders - specifications including design, size, colour and quantity
Manufacturer instructions	may be written instruction booklets, instructions on the tools or equipment or instructions for correct use
Material	may be aluminium or steel
Hardware	includes nuts and bolts
Work instructions	includes instructions for constructing steel frames and aluminium frames
Measurements	includes final size of frame, gauge of fabricating metal
Finished	may be aluminium, powder coated, hot dipped galvanised, painted
Appropriate personnel	includes assessor, trainer, supervisor, team leader, maintenance officer or manager or any other person responsible for your work activity
Waste	- includes metals (aluminium, steel) hardware - waste removal should be in accordance with workplace practices and environmental legislation covering disposal of industrial waste
Workplace documentation	may include time sheets, customer care cards, work orders, reports

Unit Sector(s)

Unit sector	Blinds and awnings
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Competency field

Competency field	
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Co-requisite units

Co-requisite units		