



Australian Government

CPCSHHP3002 Fabricate and assemble shopfront structures

Release: 3

CPCSH3002 Fabricate and assemble shopfront structures

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Rectified numbering of Performance Criteria.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCSH3002 Fabricate and assemble shopfront structures.

Application

This unit of competency specifies the skills and knowledge required to set out, fabricate and assemble internal and external entries for shopping centres, commercial and industrial buildings. It includes off-site assembly of the structure to ensure correct fit and to allow for preparation for transport.

It applies to shopfitters who fabricate street fronts, bulk heads and entries that form a total shopfront structure for all applications.

Individuals at this level take responsibility for organising and completing these tasks with a high degree of self-direction.

Licensing, legislative or certification requirements may apply to this unit of competency in some states and territories. Relevant state and territory regulatory authorities should be consulted to confirm those requirements.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Pre-requisite Unit

Nil.

Unit Sector

Shopfitting

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Undertake on-site measurements | 1.1 Identify, read and interpret work plans and specification to confirm job requirements. |
| | 1.2 Implement on-site work health and safety requirements. |
| | 1.3 Locate on-site datum, gridlines and reference points from site plan. |
| | 1.4 Use levelling techniques to check surrounding structures and surfaces for plumb, level, line and square. |
| | 1.5 Measure and record internal width and height dimensions. |
| | 1.6 Mark position of proposed frames and fittings on surrounding structure using non-permanent marker. |
| | 1.7 Note, rectify and report inconsistencies to appropriate person in dimensions, layout or location of structure outside the specified tolerances. |
| | 1.8 Notify glazier of site measurements for glass. |
| 2 Plan and prepare for the project. | 2.1 Inspect and identify offsite work area hazards and conditions and implement risk control measures. |
| | 2.2 Prepare detailed working drawings from design drawings to comply with job requirements. |
| | 2.3 Prepare an efficiency cutting plan and list and calculate materials for the project. |
| | 2.4 Determine job priorities and sequence job tasks in consultation with others in the workplace. |
| | 2.5 Select, fit and use personal protective equipment (PPE) required for the task. |
| | 2.6 Identify, obtain, safely handle, prepare and locate materials ready for use. |
| | 2.7 Set out components following workplace procedures. |

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| | 2.8 | Select tools and equipment and check for serviceability. |
| | 2.9 | Conduct a pre-start check and rectify and report faults. |
| 3 Fabricate project components. | 3.1 | Produce specified components using static machines in accordance with job and organisational quality requirements. |
| | 3.2 | Program CNC machine to manufacturer and produce specified components. |
| | 3.3 | Test CNC machine program operations in dry run simulation mode, and edit program and alarm settings as required, using the control station. |
| | 3.4 | Recognise minor faults and problems with CNC machine operation, and select and apply appropriate action to overcome issues and meet project schedules. |
| | 3.5 | Produce specified work pieces using CNC machine automatic mode. |
| | 3.6 | Cut straight and curved lines in small sections of glass. |
| | 3.7 | Check components for correct measurements and compliance with quality and job requirements. |
| 4 Assemble components of shopfront structure. | 4.1 | Select appropriate area to lay out and assemble material components. |
| | 4.2 | Use appropriate fixings and fasteners to assemble frame and check overall dimension for conformity with location and design. |
| | 4.3 | Check frame for parallel and square and adjust as required. |
| | 4.4 | Laminate required areas and fix fittings to components. |
| | 4.5 | Assemble shopfront free of scratches, dents, blemishes and damage. |
| 5 Prepare for transport to | 5.1 | Disassemble shopfront components that are too large for transport to worksite or too heavy for safe lifting, into |

- worksite.
- smaller sections.
- 5.2 Identify and arrange packaging requirements for separate components and sections.
 - 5.3 Label and place components and sections in an appropriate workplace area in preparation for collection and transport to site.
 - 5.4 Number assembly diagram and locate for inclusion in delivery instructions.
- 6 Clean up.
- 6.1 Clean CNC and static machinery, tools and equipment, check for serviceability and report damage or faults.
 - 6.2 Clear work area and dispose of, reuse or recycle materials following workplace and environmental requirements.
 - 6.3 Store and secure tools and equipment following workplace procedures.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to CPCCSH3002 Fabricate and assemble shopfront structures.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCSHP3002 Fabricate and assemble shopfront structures

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit of competency by fabricating and assembling a shopfront for one of the following as a minimum:

- shopping centre with a minimum size of 2.4 metres high and 3.0 metres wide
- commercial building with a minimum size of 2.4 metres high and 3.0 metres wide
- industrial building with a minimum size of 2.4 metres high and 3.0 metres wide.

The shopfronts must:

- include the entry, bulkheads and component fittings
- be constructed using aluminium, glass and timber
- comprise of one special finish.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- shopfront regulations, codes and standards, in particular:
 - Australian Standard (AS) 1288 Glass in buildings
- organisation's quality assurance requirements relating to fabricating and assembling shopfront structures
- sustainable shopfitting practices
- key features of shopfront working drawings and specifications
- workplace processes and procedures and environmental requirements

- characteristics, applications and limitations of materials and components used in shopfront structures:
 - aluminium
 - glass
 - timber
 - special finishes
 - glues/silicones/adhesives/tapes
 - nuts/bolts/screws
 - brackets
 - closers/handles and stops
- workplace safety:
 - job safety and environmental analysis (JSEA)
 - safe work method statements (SWMSs)
 - safety data sheets (SDSs)
 - hierarchy of control
 - hazardous manual tasks
 - hazardous materials
 - exposure to excessive noise
 - exposure to dust
 - electrical safety
 - emergency procedures (evacuation, location and use of firefighting equipment, first aid)
 - safety of public, visitors and others in the workplace
- induction and safe operation of CNC equipment:
 - start-up and shutdown procedures
 - data input to achieve job requirements
 - reduced speed dry run to check functions and alarms
 - faults and problems and actions to rectify
 - types and uses of CNC machinery
 - range of software applications appropriate to CNC machinery
- processes and techniques for fabricating and assembling shopfront structures:
 - levelling techniques using laser and spirit levels
 - using measurements and formulas to calculate overall and internal sizes of components
 - measuring and squaring frames
- functional and operational features of power tools and equipment:
 - static machinery
 - air compressor and hoses
 - grinders
 - laser levels
 - drills

- planers/routers/joiners
- sanders
- battery operated tools.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to:

- relevant shopfront legislation, codes and Australian Standards
- current workplace procedures, workplace safety and environmental documentation
- shopfront drawings and specifications, organisational policies, procedures and equipment to undertake the performance criteria and assessment requirements
- digital technology, devices and software to program equipment and to develop and save documents electronically.

Links

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