



Australian Government

CPCCBBL3004 Construct masonry steps and stairs

Release: 2

CPCCB3004 Construct masonry steps and stairs

Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCB3004A Construct masonry steps and stairs. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to calculate and construct masonry steps, stairs and wing walls using various masonry products.

This unit applies to bricklayers and blocklayers who set out and construct steps and stairs on new or existing structures. It is suitable for people operating with some autonomy. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without needing close supervision.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Bricklaying and Blocklaying

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1 Prepare for work.

1.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job.

- 1.2 Read, interpret and apply masonry steps and stairs requirements from current plans, specifications, standards and codes.
 - 1.3 Follow requirements in workplace safety and environmental documentation and workplace procedures.
 - 1.4 Calculate material quantities for the task.
 - 1.5 Identify potential hazards and determine and implement control measures.
 - 1.6 Select and check condition of plant, equipment and tools and report damage or faults to relevant person.
 - 1.7 Check conformity of materials against the specifications, blend masonry products and place materials in preparation for the work.
- 2 Set out brickwork/blockwork.
 - 2.1 Calculate the total rise and going of the flight of stairs.
 - 2.2 Calculate tread, riser sizes and slope relationship rule.
 - 2.3 Set out position of stairs on a prepared footing to comply with plans, specifications and Australian Standards.
 - 2.4 Set out parallel wing wall to maintain bond and gauge with treads and risers.
- 3 Lay steps and wing walls.
 - 3.1 Mix mortar to consistency for job requirements.
 - 3.2 Construct base brickwork or blockwork accurately to set out marks.
 - 3.3 Lay stairs square and plumb to the specified bond.
 - 3.4 Construct parallel sloping wing wall to align with tread and riser bond and gauge.
 - 3.5 Finish joints to specified profile.
 - 3.6 Brush down face of brickwork/blockwork prior to drying to remove unwanted mortar.

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| 4 | Clean up. | 4.1 | Clear the work area, and dispose, reuse or recycle materials following workplace and environmental requirements. |
| | | 4.2 | Clean tools and equipment, check for serviceability and report damage or faults. |
| | | 4.3 | Store and secure tools and equipment following workplace procedures. |

Foundation Skills

Candidates require:

- numeracy skills to:
 - use measurements and formulas to calculate quantities
 - apply geometry to stair calculations and set out
- technology skills to:
 - use digital tools and devices to communicate and collaborate effectively with others.
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Unit Mapping Information

Supersedes and is equivalent to CPCCB3004A Construct masonry steps and stairs

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>