



**Australian Government**

# **CPCCCA3007 Construct pitched roofs**

**Release: 2**

# CPCCCA3007 Construct pitched roofs

## Modification History

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Knowledge Evidence formatted for clarity.

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

Supersedes and is equivalent to CPCCCA3007C Construct pitched roofs. Updated to meet the Standards for Training Packages 2012.

## Application

This unit of competency specifies the skills and knowledge required to set out, construct and erect pitched roofs to accommodate roof coverings for weatherproofing purposes, meeting all relevant requirements of the National Construction Code (NCC), Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

The unit includes determining the required materials and process, and constructing scotch valley gable, broken hip and valley roof structures.

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 *CPCCWHS1001 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

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

## Unit Sector

Carpentry and Joinery

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- 1 Plan and prepare.
  - 1.1 Read and interpret work instructions and plan sequence of work.
  - 1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications.
  - 1.3 Select tools and equipment, check for serviceability and report any faults.
  - 1.4 Select and use personal protective equipment (PPE) for each part of the task.
  - 1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.
  - 1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use.
  
- 2 Set out, prepare and erect pitched roof members.
  - 2.1 Set out and mark position of members on top plates for roof type and rafter spacing.
  - 2.2 Determine bevels for all roof members.
  - 2.3 Calculate and set out pattern rafter to length allowing for overhang and creeper reductions.
  - 2.4 Set out and cut main ridge boards to length.
  - 2.5 Cut common rafters to length, and check.
  - 2.6 Erect common rafters in correct sequence.
  - 2.7 Calculate lengths for hip and valley rafters from pitch of roof.
  - 2.8 Cut and fix hip and valley rafters.
  - 2.9 Cut and fix creeper rafters from pattern rafter allowing for overhang.
  
- 3 Install roof support.
  - 3.1 Determine lengths for under-purlins.

- 3.2 Cut and install under-purlins.
  - 3.3 Measure, cut and install struts to under-purlins, hips, valley and ridges.
  - 3.4 Install collar ties and tie-downs to span tables in *AS 1684 Residential timber-framed construction*.
  - 3.5 Fit trimmers to gable ends to take gable end rafter and barge board.
  - 3.6 Cut and fix valley boards and surrounding battens.
- 4 Clean up.
- 4.1 Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling.
  - 4.2 Check, maintain and store tools and equipment and report any faults.

## 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 CPCCCA3007C Construct pitched roofs.

## 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>