



Australian Government

CPCCCA3009 Construct advanced roofs

Release: 2

CPCCCA3009 Construct advanced roofs

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 CPCCCA3009B Constructed advanced roofs.
Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to plan, prepare, set out and construct pitched roofs on irregular plan building shapes, 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 gable, hip, hip and valley, or combinations of these in roofs that are applied to different types and styles of buildings. The roofs may have skewed, splayed or octagonal ends, may contain two separate roof pitches in the one structure, and have varying eave widths.

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

- CPCCWHS200 1 Apply WHS requirements, policies and procedures in the construction industry.
- CPCCCA3007 Construct pitched roofs

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.

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| 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 roof members. | 2.1 Set out and check position of members on top of plates. |
| | 2.2 Determine bevels for all roof members. |
| | 2.3 Set out pattern rafter and cut to length allowing for overhang. |
| | 2.4 Mark main ridge boards and cut to length. |
| | 2.5 Cut common rafters to length. |
| | 2.6 Erect common rafters in sequence. |
| | 2.7 Calculate length of hip and valley rafters. |
| | 2.8 Cut and fix hip and valley rafters. |
| | 2.9 Cut and fix creeper rafters allowing for overhang. |

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| 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, valleys and ridges. |
| | | 3.4 | Install collar ties and tie-downs to span tables in <i>AS 1684 Residential timber-framed construction</i> . |
| | | 3.5 | Fit trimmers to gable ends to take gable end rafter and barge board. |
| | | 3.6 | Cut and fix valley boards. |
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| 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 CPCCCA3009B Construct advanced roofs.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>