



Australian Government

CPCPRE2001 Brace and prop prefabricated concrete elements

Release: 1

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Modification History

- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 9.0.
Newly created unit.

Application

This unit of competency specifies the skills and knowledge required to brace and prop prefabricated concrete elements. It requires using appropriate tools, equipment and material and working in a team environment on prefabricated concrete activities.

It applies to those who work under the direction of a licensed rigger or who hold a rigging licence.

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.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements policies and procedures in the construction industry

Unit Sector

Prefabricated concrete

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. Access requirements to brace and prop prefabricated concrete elements. | 1.1 | Review and clarify prefabricated concrete installation task. |
| | 1.2 | Review erection design documentation including task specifications and check to make sure they are in |

- accordance with regulations and codes of practice.
- 1.3 Review work health and safety (WHS) requirements for the task in accordance with safety plans and policies.
 - 1.4 Identify safety signage and barricade requirements.
 - 1.5 Review environmental requirements for the task in accordance with environmental plans and legislative requirements.
 - 1.6 Access plant, tools, equipment, braces props, the required material and their respective safety specifications to carry out task.
 - 1.7 Access set-out drawings and the erection design documentation to verify the location of prefabricated concrete installations.
2. Prepare to brace and prop prefabricated concrete elements.
- 2.1 Erect identified safety signage and barricade requirements, and fit personal protective equipment (PPE).
 - 2.2 Obtain plant, tools, equipment, check for serviceability and rectify or report any faults.
 - 2.3 Check braces and props for serviceability and rectify or report any faults.
 - 2.4 Check braces and/or props are correctly labelled with working load limit (WLL) in accordance with AS 3850 Prefabricated concrete elements.
 - 2.5 Review erection plan and access information on job sequencing, team roles and coordinated activities.
 - 2.6 Verify that the concrete strength of the elements to be braced and the concrete supporting elements for the braces and props have attained the specified minimum strength in accordance with the erection design documentation.
3. Conduct bracing and propping of prefabricated concrete
- 3.1 Position braces and/or props in accordance with the erection design documentation and AS 3850 1,2 & 3 Prefabricated concrete elements.

- elements.
- 3.2 Position levelling shims/packers to the nominated reduced level (RL) in accordance with the erection design documentation.
 - 3.3 Prepare and install temporary and/or permanent braces and props, incorporating modifications, correct bolt and installation procedures in accordance with the erection design documentation and standards.
 - 3.4 Clear all personnel from the drop zone during all lifting, handling and rotation operations.
 - 3.5 Check that all support fixings are all correctly installed, checked and secured in accordance with the erection design documentation, with the correct tightening torque.
 - 3.6 Confirm that the element is either adequately braced or fixed to and incorporated into the supporting structure prior to releasing the lifting equipment.
 - 3.7 Check that the installed element is in the specified position and in accordance with the set-out drawings and erection design documentation.
 - 3.8 Safely access lifting points and release lifting device in accordance with the instructions provided by the lifting clutch manufacturer.
4. Clean up.
- 4.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements.
 - 4.2 Clean, check, maintain and store tools and equipment in accordance with manufacturer and workplace requirements

Foundation Skills

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

Unit Mapping Information

No equivalent unit.

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>