

Title	Construct wooden horizontal end assemblies for fencing		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to select a compression bar and strainer posts for end assemblies and construct horizontal end assemblies.
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Classification	Agriculture > Fencing
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Available grade	Achieved
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Guidance Information

- 1 Product use manuals are available from manufacturers and should be consulted in all training situations.
- 2 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 3 Definitions
Industry procedures refer to the procedures stated in the following publication – Fencing the Proven Way, Fletcher Building Holdings Limited, 2006, available at <http://www.wiremark.co.nz>, or 0800 PACWIRE.
Compression bar – any material that is used to brace an end assembly or angle.
- 4 Personal protection equipment appropriate to the task is selected and used in accordance with manufacturer's specifications and the Health and Safety at Work Act 2015.

Outcomes and performance criteria

Outcome 1

Select a compression bar and strainer posts for end assemblies.

Performance criteria

- 1.1 Weak and damaged materials are identified and rejected, and selected materials are rot resistant.
- 1.2 Compression bar selected has length of a minimum of 1.5 times the height of the fence design.
- 1.3 Compression bar is installed 75mm below top of strainer.

- 1.4 Compression bar and strainer posts selected are sufficient to withstand given load, soil compaction, and to prevent sinking.
- 1.5 Compression bar and strainer post strength are selected in relation to shape and thickness.
- 1.6 Compression bar and strainer post material selected are free from defects and is rot resistant.

Outcome 2

Construct horizontal end assemblies.

Performance criteria

- 2.1 The strainer is installed true to the given height + or – 10mm, plumb on the face, plumb to 20mm maximum lay back at final loading, and firmly rammed.
- 2.2 Compression bar ends are square to strainer, parallel with ground, compression bar ends have maximum surface bearing area, with strainers recessed.
- 2.3 Diagonal brace wire is compatible with the final loading.
- 2.4 Tension loss does not occur on tie off of diagonal brace wire.
- 2.5 Diagonal brace wire is strained and tied off according to industry procedures, with minimal movement back from perpendicular on strainers.

Replacement information	This unit standard, and unit standard 24825 replaced unit standard 41.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 August 2008	31 December 2022
Review	2	29 April 2021	31 December 2022

Consent and Moderation Requirements (CMR) reference	0052
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.