

Title	Demonstrate knowledge of sanitary plumbing systems and components		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to demonstrate knowledge of the objectives of foul water sanitary plumbing, and identify fixtures, appliances and components used within foul water sanitary plumbing systems.
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Classification	Plumbing, Gasfitting and Drainlaying > Core Plumbing, Gasfitting, and Drainlaying
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to:

Building Act 2004;

Building Code Acceptable Solutions and Verification Methods;

Construction Contracts Act 2002;

Gazette Notices;

Health and Safety at Work Act 2015;

New Zealand Building Code (Building Regulations 1992 – Schedule 1);

Plumbers, Gasfitters, and Drainlayers Act 2006;

Plumbers, Gasfitters, and Drainlayers Regulations 2010.

The following standards, which are available at <http://www.standards.govt.nz>:
 AS/NZS 3500.2:2021 *Plumbing and drainage, Part 2: Sanitary plumbing and drainage*;

NZS 3604:2011 *Timber-framed buildings*.

The following Building Code clauses, and any related Acceptable Solution and Verification documents, which are available at <https://www.building.govt.nz/>:

New Zealand Building Code Clause B2 Durability,

New Zealand Building Code Clause G13 Foul water.

The following guide, which is available at <http://www.worksafe.govt.nz>:

Health and Safety by Design: 2018.

Any new, amended or replacement referenced standards, codes of practice, guidelines, Building Code Acceptable Solutions and Verification Methods, or authority requirements affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

Plumbing system refers to pipes, joints and fittings installed above ground and used for the conveyance of foul air and water inside the envelope of the building.

Regulatory framework refers to the operational context arising from relevant legislation, regulations, codes, and standards.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the objectives of foul water sanitary plumbing.

Performance criteria

- 1.1 Sanitary plumbing is described in accordance with the Plumbers, Gasfitters and Drainlayers Act 2006.
- 1.2 The objective of the New Zealand Building Code Clause G13 *Foul water* in terms of safeguarding people is identified.
- 1.3 The functional requirement of sanitary plumbing in accordance with the New Zealand Building Code Clause G13 *Foul water* is identified.

Outcome 2

Identify fixtures, appliances and components used within foul water sanitary plumbing systems.

Performance criteria

- 2.1 Identify sanitary fixtures and appliance types.
Range three fixtures, two appliances.
- 2.2 Identify functions of components within a sanitary plumbing system.
Range water trap, inspection point, vent, rodding point, vent cowl, junction, bend, gullies- which include floor waste gully (FWG) and overflow relief gully (ORG) /gully trap.
- 2.3 Identify positions of fixtures, appliances and components within a sanitary plumbing system.
Range evidence may include a schematic drawing of a system.

Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 January 2009	31 December 2026
Review	2	12 December 2024	N/A

Consent and Moderation Requirements (CMR) reference

0008

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.