Plumbers, Gasfitters and Drainlayers Board

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Plumbing information sheet No. 4

Audit: Waster Systems Performance and Compliance Check

Level 1

- ☐ Are the materials used fit for their intended purpose and where required appropriately authorised?
- ☐ Have the fixtures and appliances been installed correctly?
- ☐ Are all fixtures and appliances secured appropriately?
- ☐ Does the size of the discharge pipes and stacks comply?
- ☐ Does the gradient of the discharge pipes and stacks comply?
- ☐ Are the branches made correctly?
- ☐ Is the venting of the installation adequate (correct size/number)?
- ☐ Have the joints been primed and glued correctly?
- ☐ Have the minimum depth of fixture trap seals been retained?
- ☐ Do all toilet pans have the appropriate volume cistern?
- ☐ Do the termination points of vent pipes comply and are the pipes flashed?
- ☐ Has the structural integrity of the building been compromised and remedied e.g. oversized holes through floor joists?
- ☐ Has the height of external drain connection been considered regarding the required gradient to the sewer/tank connection point?

Level 2

- ☐ Where required has provision for expansion been met?
- ☐ Where required has seismic restraint requirements been met?
- ☐ Has an inspection opening been provided at the base of the stack?
- ☐ Are all inspection openings accessible?
- ☐ Does the installation have the correct pipework support?
- ☐ Does the installation maintain adequate clearances from other services?

- ☐ Do the design requirements for the drain/wastepipe system comply?
- ☐ Does the maximum length of all discharge pipes without ventilation comply?
- ☐ Have the leak testing requirements of the drain/wastepipe installation been met?
- ☐ Have the test procedures & results been recorded e.g. date, readings, results, photos?
- ☐ Does the sanitary plumbing installation comply to the accessibility requirements for people with disabilities?
- ☐ At sites utilizing greywater treatment, have discharge pipes been identified?

Compliance documentation

- ☐ Where relevant, has the Building Consent (BC) documentation been sighted (before starting the work)?
- ☐ Have any amendments to the BC been approved documented and recorded?
- ☐ Where relevant, has compliance documentation been provided?
- ☐ Have the manufacturer's installation instructions been adhered to?
- ☐ Where practical/relevant are photos taken and recorded?

References

Does the installation comply with the minimum requirements outlined in the relevant documentation such as:

- NZBC G12 – Water Supplies
- NZBC G13 – Foul Water
- NZBC G1 – Personal Hygiene
- NZBC B2 – Durability
- AS/NZS 3500.2 – Plumbing and Drainage – Sanitary Plumbing and Drainage
- AS/NZS 2032 – Installation of PVC pipe systems
- The relevant manufacturer's Installation Instructions

Notes

The compliance documentation and audit items on this checklist are intended as a guide only and are not an exhaustive list.

Other standards may be applicable to the installation and should be referenced as required. Additionally, audit items may alter dependant on the actual work conducted and the final installation.

Practitioners should ensure they are using the relevant edition of the prescribed building code compliance documentation, at the time of installation.