

Technical Solution Sheet 1.03

1: Sanitary Plumbing

Floor Waste Gullies in Urinal Compartments and Other Wet Areas

AIM

The aim of this technical solution is to clarify the requirements for the provision of floor waste gullies in urinal compartments and other wet areas (see Figures 1, 2 and 3).

PLUMBING REGULATIONS 2008

The *Plumbing Code of Australia* (PCA) is adopted by and forms part of the *Plumbing Regulations 2008*. Part C1 of the PCA specifies the objectives and performance requirements related to the installation of sanitary plumbing systems. *AS/NZS 3500.2: Plumbing and drainage Part 2: Sanitary plumbing and drainage* is a "deemed to satisfy" document listed in Part C1 of the PCA and contains sections on "Gullies, Fixtures and Appliances".

WHEN IS FLOOR WASTE GULLY REQUIRED IN A URINAL COMPARTMENT AND / OR OTHER WET AREAS?

- **Urinals**

When one or more wall hung urinals are installed, a floor waste gully must also be installed in the same room and the floor must be graded toward the floor waste gully.

Floor (or slab) type urinals, whether provided with a step or not, do not require a floor waste gully unless the *National Construction Code* (NCC), or specification for the building requires that a floor waste be provided.

- **Other Wet Areas**

It may be necessary to install a floor waste gully in other wet areas, if required by the NCC or specification for the building.

CONNECTION AND PRIMING OF FLOOR WASTE GULLIES

The floor waste gully must terminate to sewer and have provision for maintaining the water seal. This may be achieved either by a waste fixture discharge, a charge pipe from a tap set or flush pipe, or the bleed off from a pressure and temperature relief valve or mechanical trap priming device. Alternatively a lockshield or threaded hose tap installed in the same room with a graded floor to the floor waste gully, may also be used to maintain the water seal.

Note:

Plumbing Regulations 2008 specifies as follows: "Requirement of hose tap in men's public toilets. A hose tap must be provided in men's public toilets adjacent to the urinals".

INSTALLATION REQUIREMENTS FOR URINALS

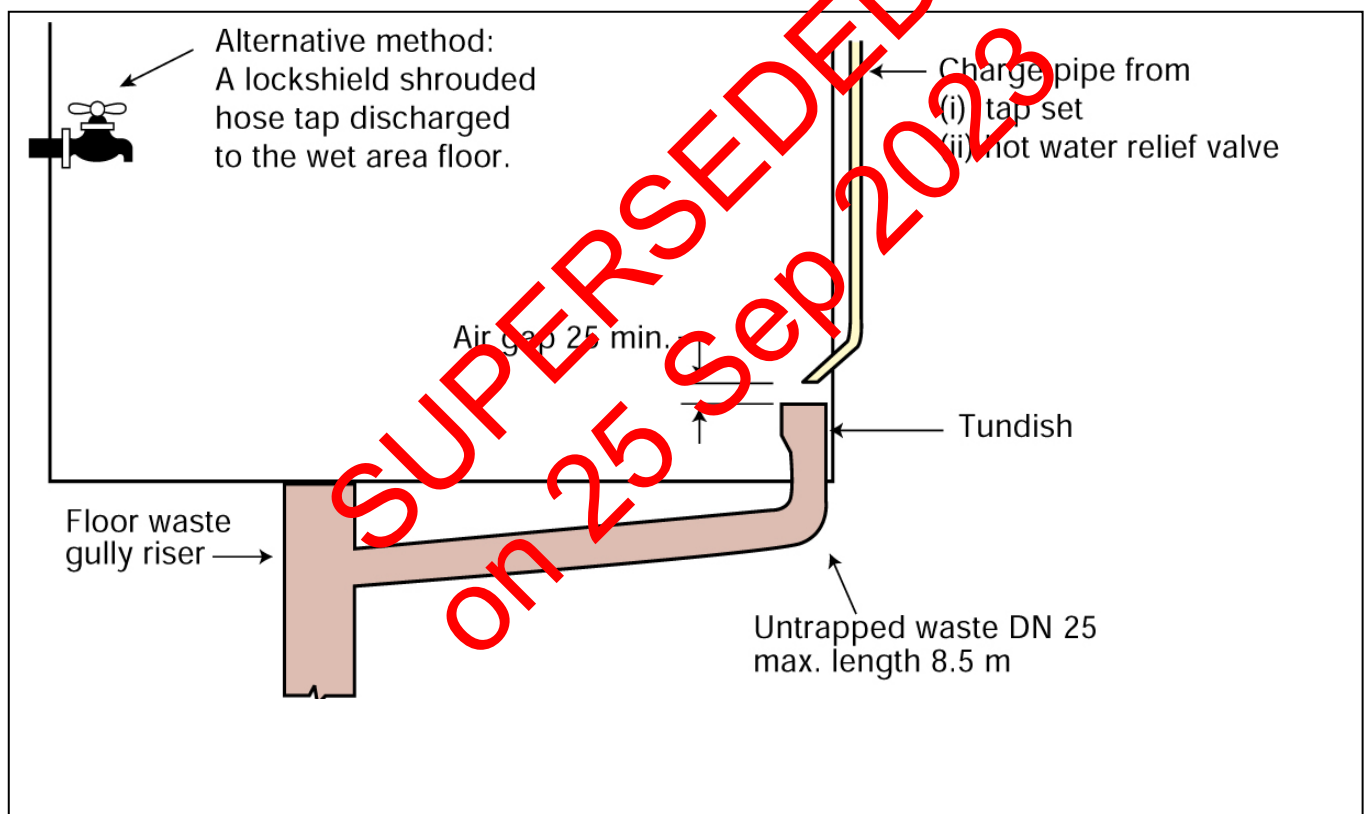
The requirements for slab type and wall hung urinals are outlined in *AS/NZS 3500.2* and must comply with the manufacturer's installation instructions. The specifications for the impervious floor which is drained either to the urinal or a floor waste is outlined in the NCC.

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UNTRAPPED FLOOR DRAINS

In the event of overflow untrapped floor drains may be used instead of floor waste gullies for the purpose of draining waste water spillage from a floor. The drains must be installed in accordance with [AS/NZS 3500.2](#). Untrapped floor drains **must not** be connected to any stack or discharge pipe that connects directly to the sanitary plumbing & drainage system and **must not** be installed in any room that contains a urinal

FIGURE 1 - CONNECTION OF TUNDISH



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FIGURE 2 - CONNECTION OF CHARGE PIPE

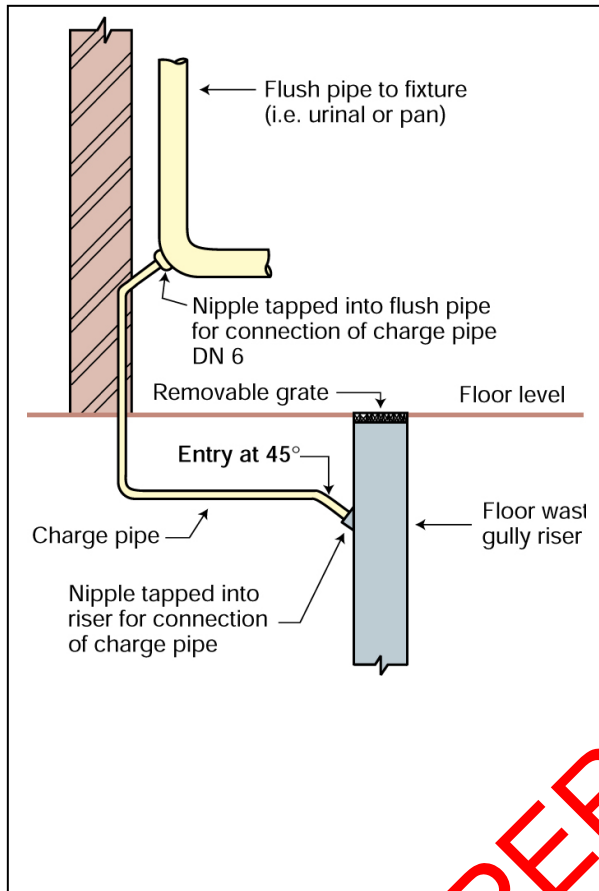
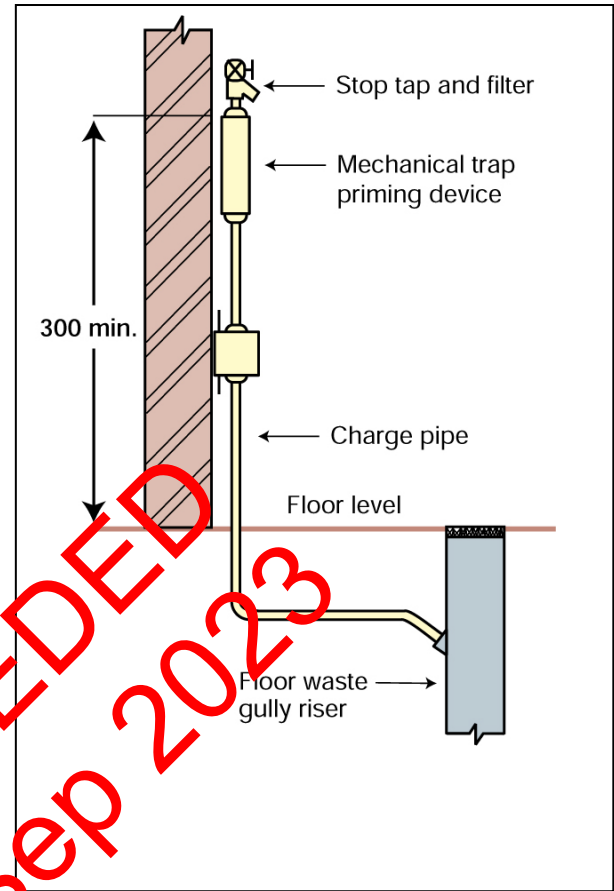


FIGURE 3 - TRAP PRIMER ARRANGEMENT



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