

Technical Solution Sheet 1.04

1: Sanitary Plumbing

Installation of Fixtures for Disabled Persons Building Classes 1-9a

AIM

The aim of this technical solution is to highlight the installation requirements of sanitary plumbing fixtures for disabled persons in building classes 1 - 9a as defined in *the Building Code of Australia* (BCA).

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 1428.1:2009 Design for access and mobility Part 1: General requirements for access— New building work is a “Deemed-to-Satisfy” document listed in Part C1 of the PCA and contains a section on “Sanitary Facilities”.

BACKGROUND

To comply with the Deemed-to-Satisfy provisions in Part C1 of the PCA all sanitary fixtures provided for people with a disability in building classes 1-9a as defined in the BCA must meet the requirements of **AS 1428.1 (2009)**.

Note:

AS 1428.1 contains provisions for both wheelchair accessible facilities and those for ambulant people with a disability. People with an ambulant disability, are those with a mobility disability who are able to walk. These provisions include location, height and outlets of fixtures, circulation space around fixtures,

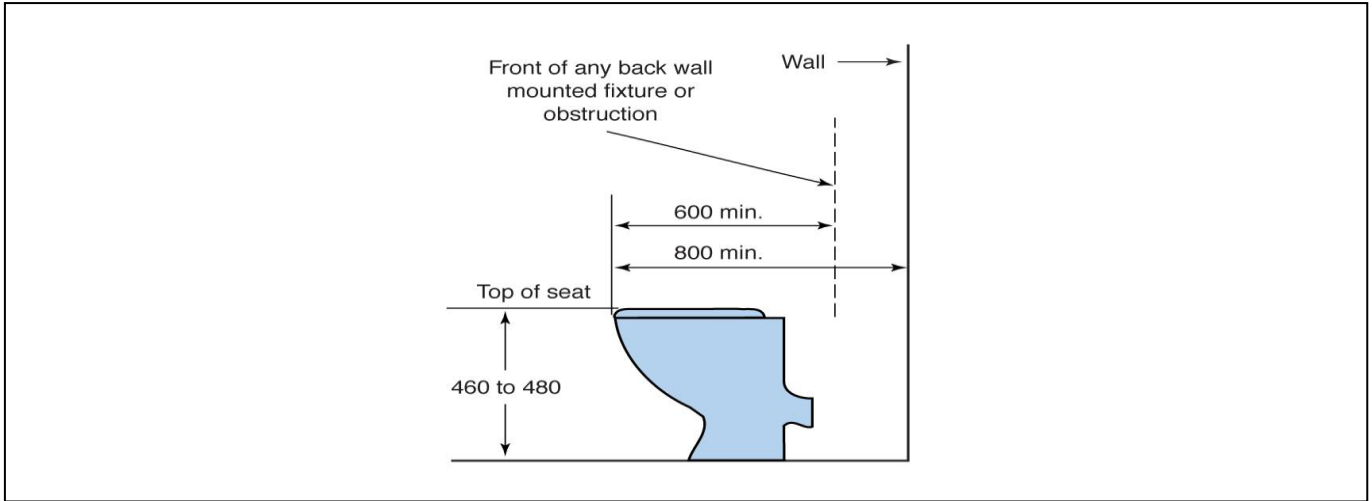
space under the front of basins, lever handles for taps and grab rails. The minimal spatial requirements given in **AS 1428.1 (2009)** are quite specific and must be met. Before commencing any rough-in work, it is strongly recommended that plumbing practitioners familiarise themselves with the relevant positioning requirements. The following drawings (Figures 1, 2, 3, 4 and 5) are provided for guidance only, and do not replace the requirements of **AS 1428.1 (2009)**.

Note:

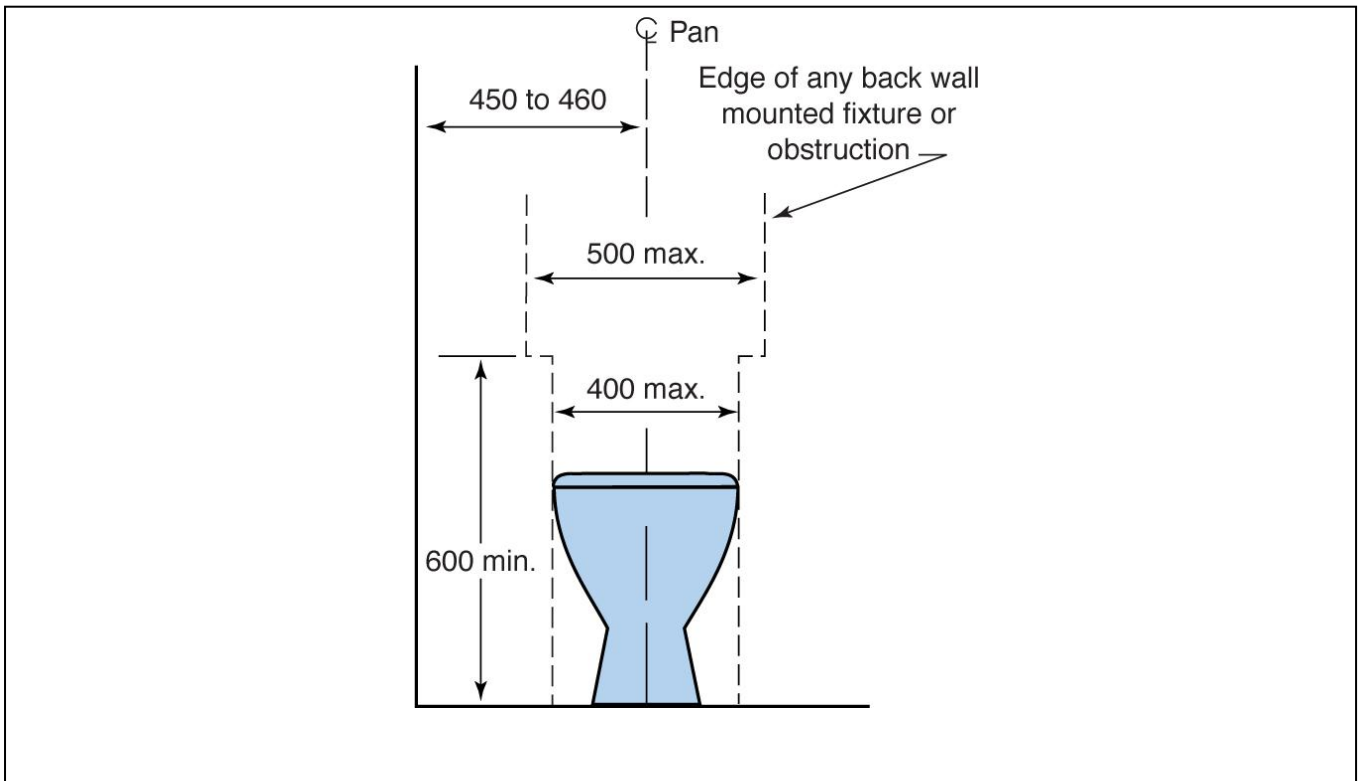
- All dimensions are in millimetres
- For the purpose of dimensioning, the front of the WC pan has been taken as the datum plane
- The dimensions of 800 mm plus or minus 10mm from the front of the WC pan to the wall is a critical dimension.

Technical Solution Sheet 1.04

FIGURE 1 – PAN CLEARANCES, SEAT HEIGHT AND SEAT WIDTH
(I) SIDE VIEW



(II) FRONT VIEW



Technical Solution Sheet 1.04

FIGURE 2 – WATER CLOSET INSTALLATION FRONT VIEW (SOURCE: AS 1428.1)

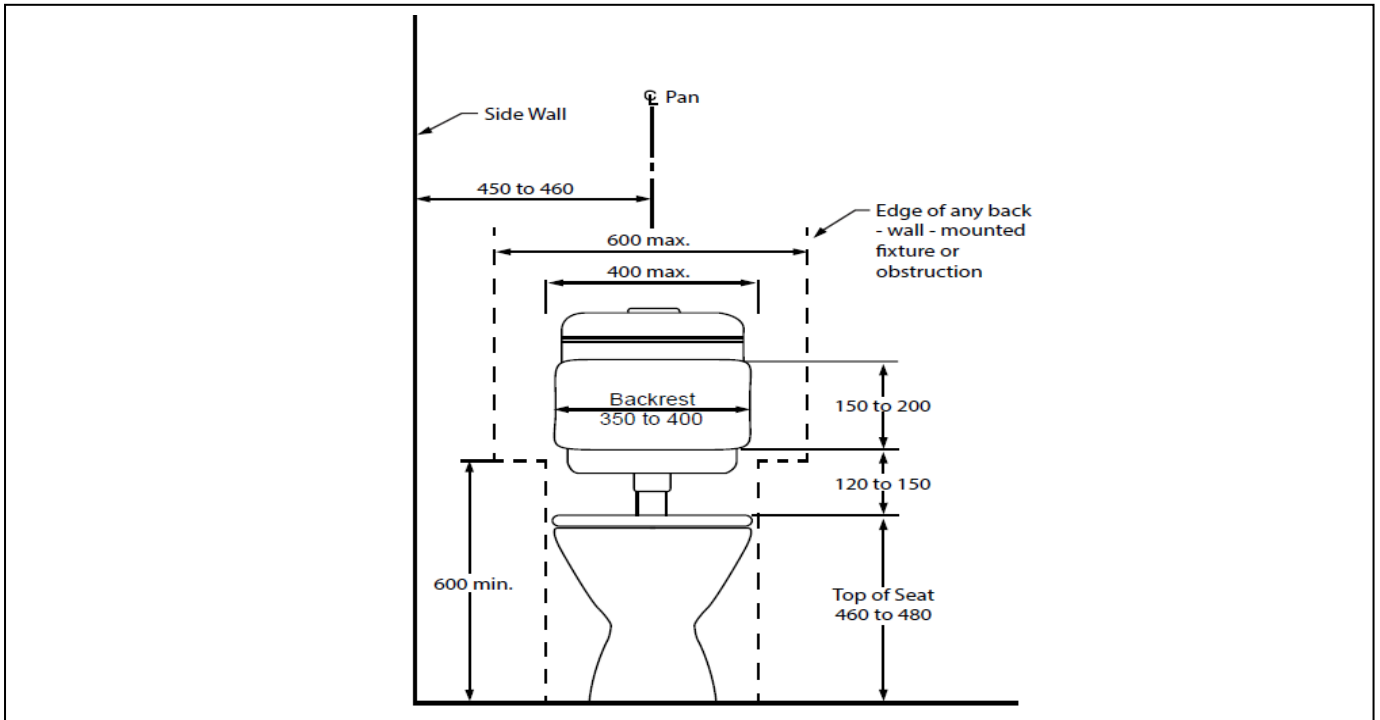
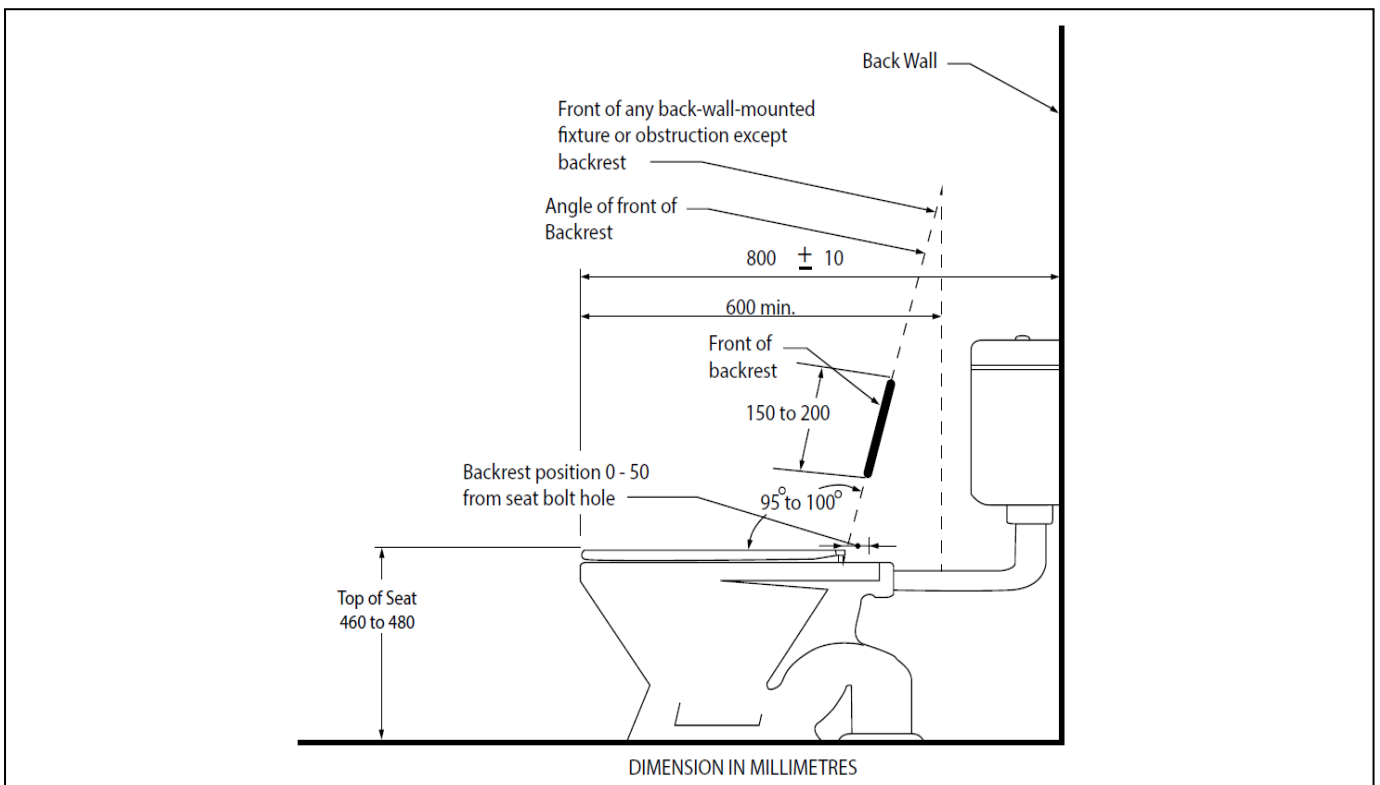


FIGURE 2 – WATER CLOSET INSTALLATION SIDE VIEW (SOURCE: AS 1428.1)



Technical Solution Sheet 1.04

FIGURE 3 – ZONE FOR POSITION OF FLUSHING CONTROL (SOURCE: [AS 1428.1](#))

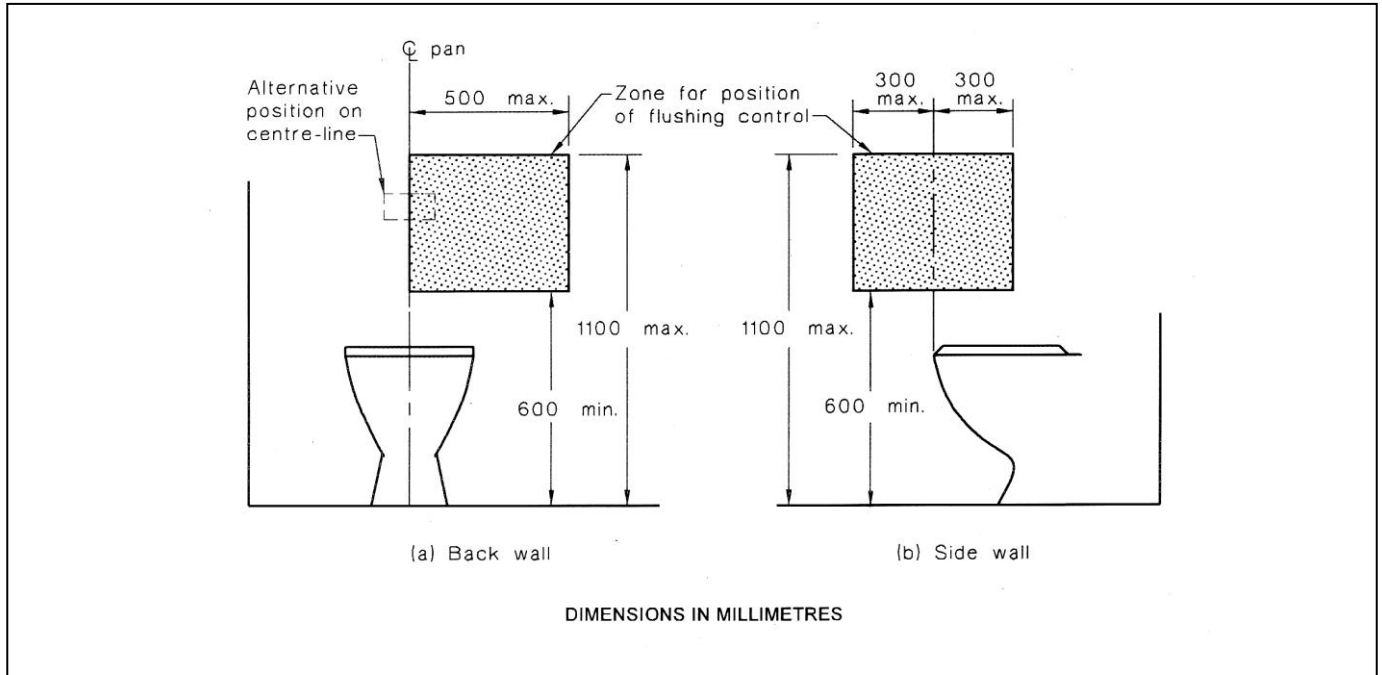
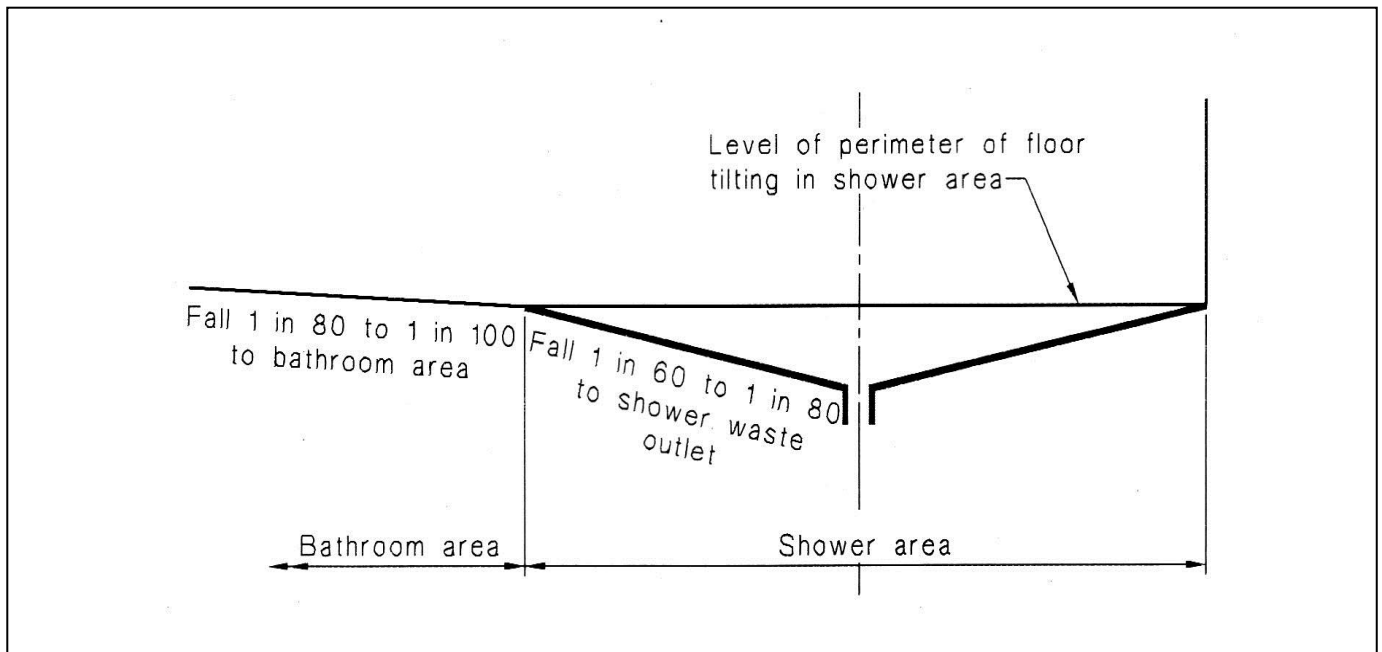
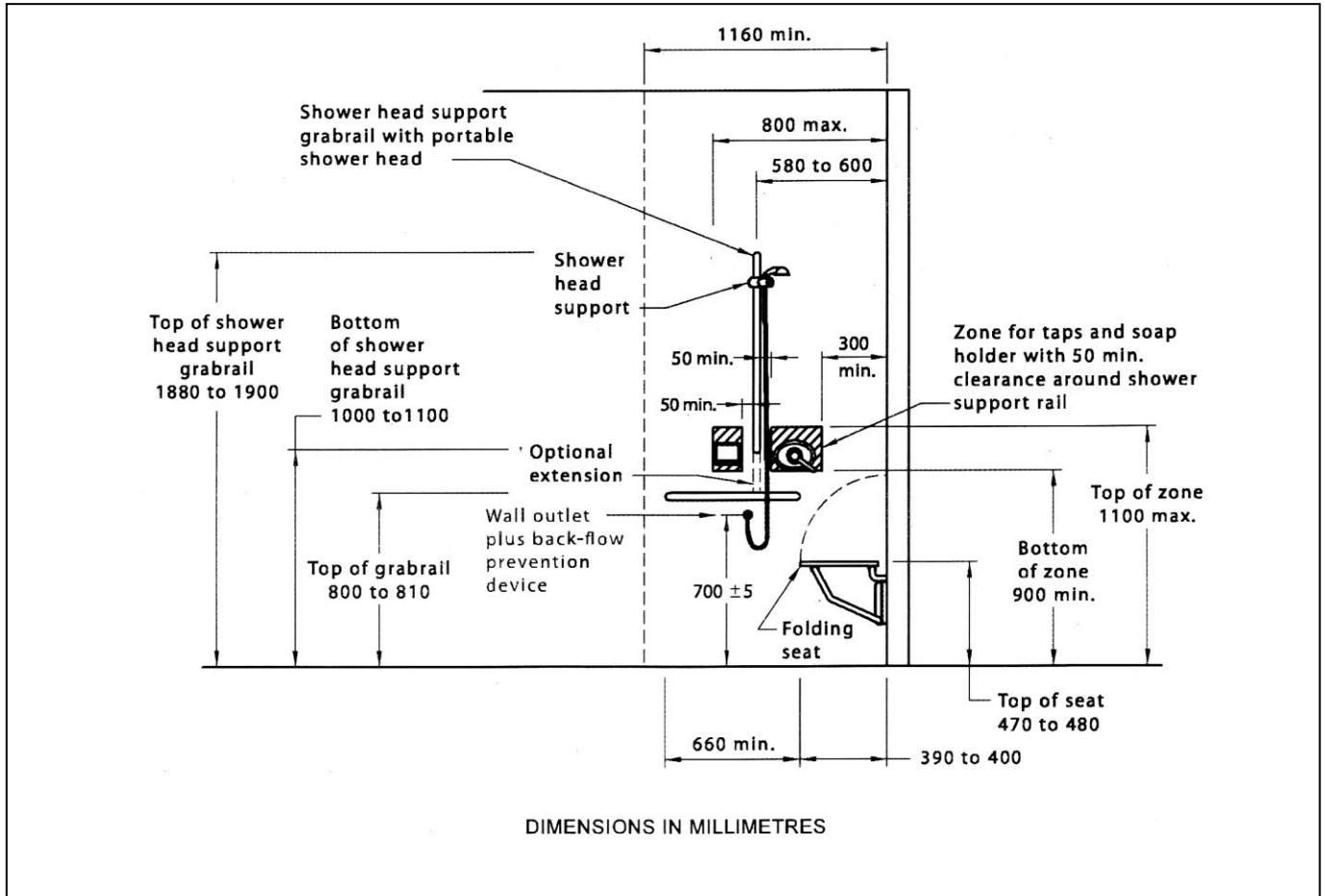


FIGURE 4 – GRADES FOR BATHROOM AND SHOWER FLOORS (SOURCE: [AS 1428.1](#))



Technical Solution Sheet 1.04

FIGURE 5 – SHOWER RECESS FITTINGS – ELEVATION (SOURCE: [AS 1428.1](#))



AS 1428.1 and AS 1428.2 are published by SAI Global limited. The full suite of standards can be obtained from www.saiglobal.com/shop