



Design Guide Note

DGN003 – Sliding Glazed Doors and Wall Specifications

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Table of contents

Design Guide Note DGN003 – Sliding Glazed Doors and Wall Specifications0

 Overview 2

 Design Guide Note - Proposed Change..... 2

List of tables

No table of contents entries found.

List of figures

No table of figures entries found.

Overview

The purpose of this DGN is to adopt the use of a Glass Sliding Doors in GLS units only and the performance requirements associated.

This DGN is intended as a guideline only and it is considered that project specific circumstances will require these principles to be reviewed by each project team to confirm appropriateness.

Design Guide Note - Proposed Change

The workshop outcomes resulted in the recommendation of the following guidelines for sliding glazed doors and wall specifications.

Modern Methods of Construction (MMC) have facilitated a reduced performance specification for Fern Bay Public School (using Rw30) whilst installing a proprietary system that has addressed and met Rw39 and DDA requirements (single sliding panel system – one sliding + one fixed panel). Fern Bay Public School Documentation has been provided to project teams for use on their projects.

Glazed sliding doors between Teaching Spaces or Learning Commons are to achieve:

- A tested 32Rw min acoustic rating (subject to holistic acoustic review of the spaces by an acoustic consultant). Door hardware and sliding mechanisms to achieve DDA/AS compliance including but not limited to:
 - (i) Thresholds and tracks as per AS1428.1
 - (ii) Force required to operate the door as per AS1428.1
 - (iii) Latch side clearance / circulation as per 1428.1
(please note offset handle is a performance solution, generally supported by DaIS and MMC teams, however final approval must be sought via ESC)
- Provide door soft close safety mechanisms on both ends to address potential WHS/SiD risks when opening and closing the sliding doors (add to SiD register)
- 2/3 openable + 1/3 solid ratio preferred (lessening the opening will compromise the collaborative teaching practices – refer SLEC team for more information)
 - a) Various configuration options accepted – eg. shorter 1.3m panel + 2 equal panels
 - b) Note: 1.3m panel should more easily achieve egress/full DDA/AS1428.1 requirements

c) Multi-Purpose Space depth to be nominally 3.4m deep (approx. 25m²), allowing the glazed sliding doors on Y axis (between GLS and LC) to be nominally 5.2m – 5.3m wide (subject to structural column size/s)

- 2.4m minimum height
- Door locks not required to internal GLS Hub glazed sliding doors
- Junction with columns not to include proprietary jamb subject to in-situ test to determine if acoustic upgrades are required
- Bottom rolling and Top Hung options can both be considered (subject to consultation with FM/AMU)

a) (Bottom rolling likely better in existing schools)

- SiD disengagement of door panels must be eliminated (add to SiD register)
- System to be coordinated to meet structural tolerances
- Laminated safety glass to be used
- All internal glazing to be transparent as default. Glazed panels promote collaborative teaching and provide unobstructed sight lines for supervision.
- Obscure film can be applied to control transparency levels as required if disruptions are an issue
- Vision panels to be incorporated where obscure film is applied to address WHS concerns

The Design Guide Note provides the details of the proposed changes to Education Facilities Standards and Guidelines (EFSG) and/or design guidance for technical and project teams. If your projects are unable to meet these parameters, then please reach out to the Design and Infrastructure Standards (DaIS) team to assist. The DaIS team can help navigate achievable outcomes whilst informing ongoing development of SINSW projects.