

FIRE DOOR LEAVES

Sliding fire doors 4 hr

TECH SHEET: FD-03

Issue: 30-11-2011

Sliding Fire Doorsets, with optional facings and thicknesses

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DESCRIPTION

Sliding Fire doorsets consisting of door leaf, and associated track and counterweights with steel facings, available in 4 hours of certified fire resistance.

APPLICATIONS

Ideal for applications that require a certified sliding fire door especially in hospitals, schools, public buildings, shopping centres, factories, warehouses, etc.

FEATURES

- Protection of openings in up to 4hr Concrete/Masonry walls.
- Facing - 1.0mm zincanneal sheet steel as standard, alternative of 4mm decorative fire retardant chemical treated plywood available.
- All doors have steel channels to protect edge of door leaves.
- Available in singles, two part, or bi-parting.
- Maximum size: Refer to Table *Models Available* on Page 3.
- Low weight to rating ratio - approx weight:
 - 80mm steel clad - 55kg/m²
- Can be manufactured in sections and assembled on site for easier transport and handling.
- Strong inner metal frame construction ensures long service life.
- Excellent insulation and sound reducing properties.

TRACK CONFIGURATIONS

- Henderson 305 for doors up to 700kg per leaf.
- Henderson 307 for doors up to 2000kg per leaf.

DETAILS

- All sliding fire doors must overlap top and both sides of opening by 75mm.
- Wall surfaces along the travel should be level with a maximum recommended tolerance of 5mm.
- Maximum clearance between door and floor should be 10mm.
- Ensure no wall obstructions along the distance of travel.
- Allow 250mm clear wall area for counter-weight case.

OPERATING SYSTEM

- **Fusible Link System:** Door is opened and closed manually. In case of fire the door closes automatically from any given position.
- **Pyropanel Electric System (BCA Kit):** Door is opened manually and will be held open by an electromagnet when the building is in use. Door is released to close using a release switch. In case of fire the door is released (closed) by a smoke/heat detectors.

(Note: Purchaser should specify one of the above system. Please contact Licensed distributor for more info)

STANDARD HARDWARE

- Track and brackets for wall mounting.
- 2 hangers per leaf
- Channel Section floor guide.
- Fusible link activated closing on wire rope and pulley system.
- Counterweight system allowing free-flow operation.
- Flush mounted door pulls.
- Galvanised steel wall mounted door binders to leading edge.
- Indicator arrow on both faces to indicate open direction.
- Standard specification excludes electromagnetic hold open device, smoke detectors, warning signs, battery back up and sirens, as typically required by BCA clause C3.6.
- *Purchaser should always confirm with agent to confirm specific hardware inclusions and exclusions.*

OPTIONAL EXTRAS

- Stainless Steel, Timber or Aluminium cladding.
- Vision panels (Standard size - 600 x 100mm or 300 x 200mm).
- Wicket (access) door up to 1830 x 750, located 300mm from bottom of slider (note: Wicket door is an access door only, and should not be used for emergency access).
- Speed control device.

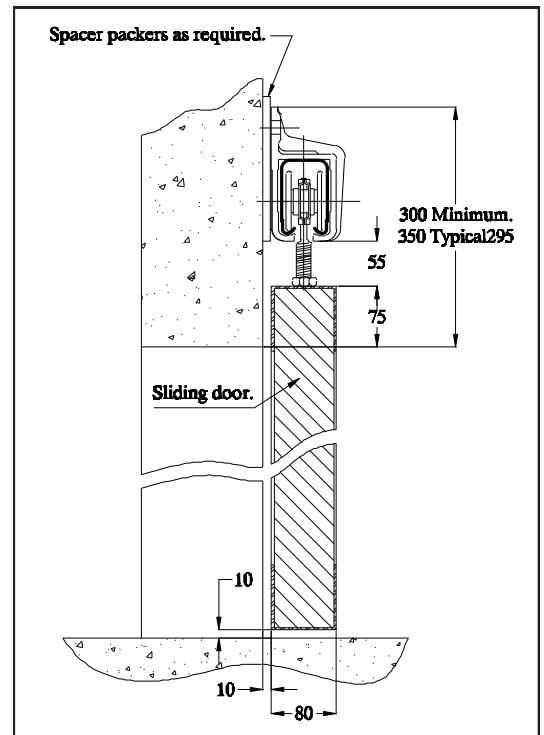
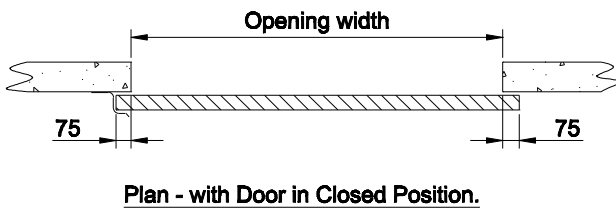
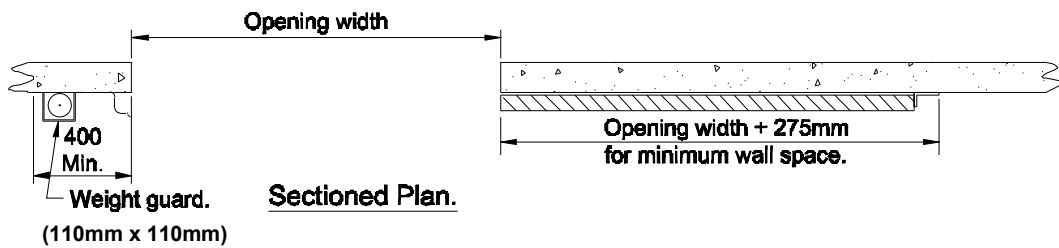
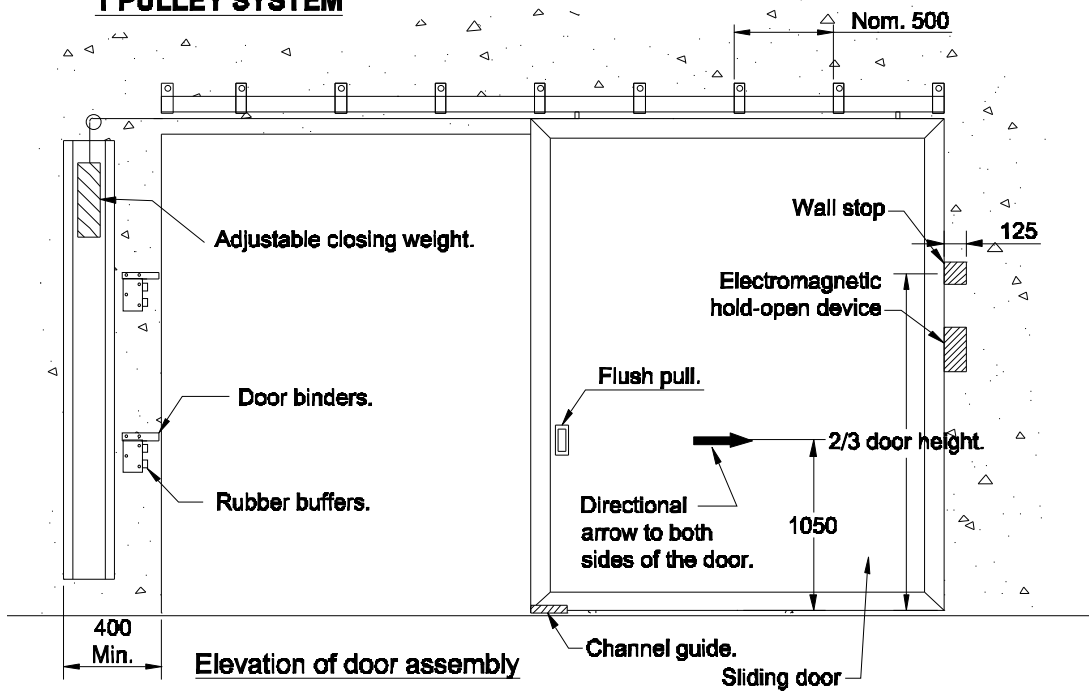


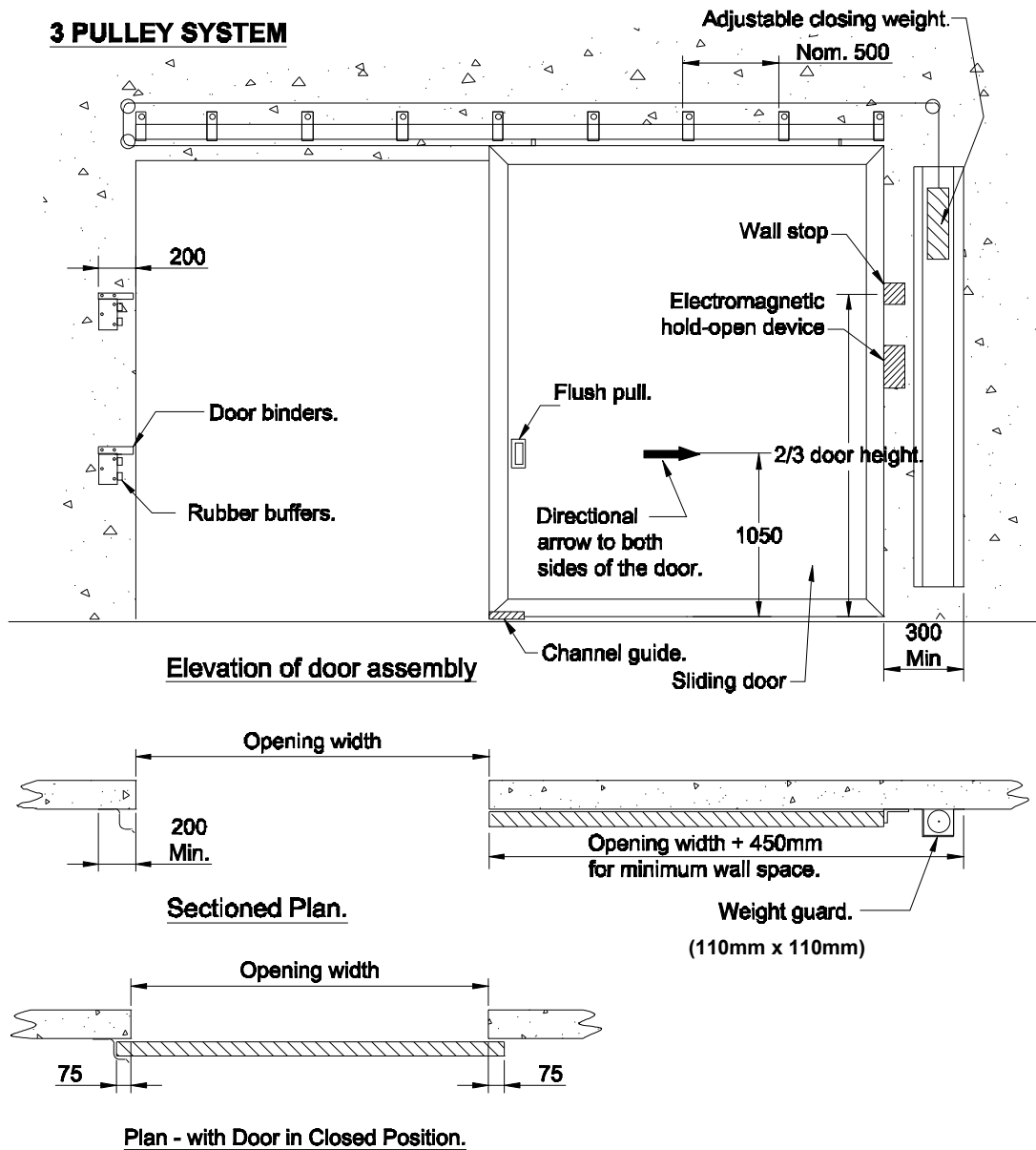
Protecting Life & Property

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1 PULLEY SYSTEM





MODELS AVAILABLE

Model	FRL	Thick ness (mm)	Max Leaf size - Single (mm)	Max Leaf size - Pair (mm)
PSFD120-80	-/120/120	80	5000(h) x 6000(w) [#]	5000(h) x 6000(w) [#]
PSFD240-80	-/240/120	80	5000(h) x 6000(w) [#]	5000(h) x 6000(w) [#]

HOW TO SPECIFY

Eg, "Door to be a Pyropanel PSFD120-80 Metal clad Sliding Fire Rated Door, 80mm thick, -/120/30 FRL, Fusible link system*, Zinc plated*, including track, fittings, fusible link and counterweight closing system*, with the following options: (eg, vision panels, kick panels, wicket door, etc*)

* denotes example - delete or change or specify as required

[#] Max height 5m, Width can be increased provided the area of the door leaf does not exceed 30m².



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