

# FIRE DOOR LEAVES

## Sliding fire doors

### 2hr and 4hr

TECH SHEET: FD-03

Issue: 27-05-2010

**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 2 hours and 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 2hr and 4hr 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, 2hr rating (-/120/30) & 4 hr rating (-/240/30) refer to Table *Models Available* on Page 3.
- Low weight to rating ratio - approx weight:
  - 65mm timber faced - 45kg/m<sup>2</sup>
  - 65mm steel clad - 48kg/m<sup>2</sup>
  - 80mm steel clad - 55kg/m<sup>2</sup>
- 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.
- May be face of wall or cavity mounted.

#### TRACK CONFIGURATIONS

- Henderson 301 for doors up to 450kg per leaf, approx 8m<sup>2</sup> (see *Henderson 450 system*, [www.hendersonrmd.com.au](http://www.hendersonrmd.com.au)).
- Henderson 305 for doors up to 700kg per leaf, approx 13m<sup>2</sup> (see *Henderson 700 system*).
- Henderson 307 for doors up to 2000kg per leaf, approx 36m<sup>2</sup> (see *Henderson 2000 system*).

#### 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.

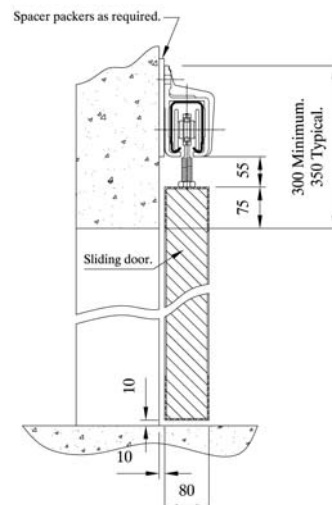
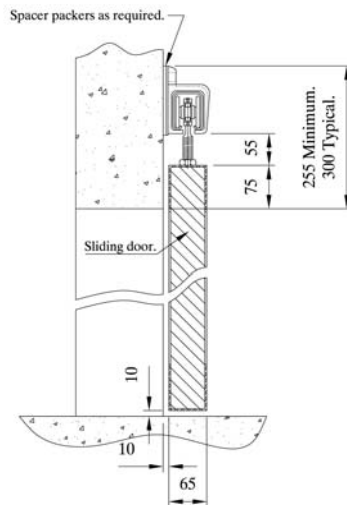
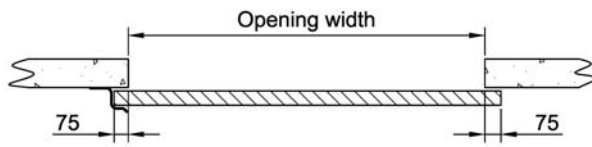
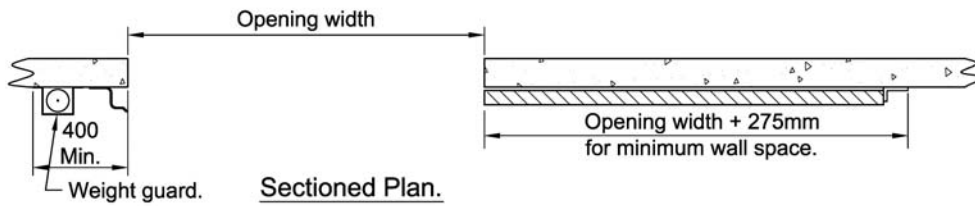
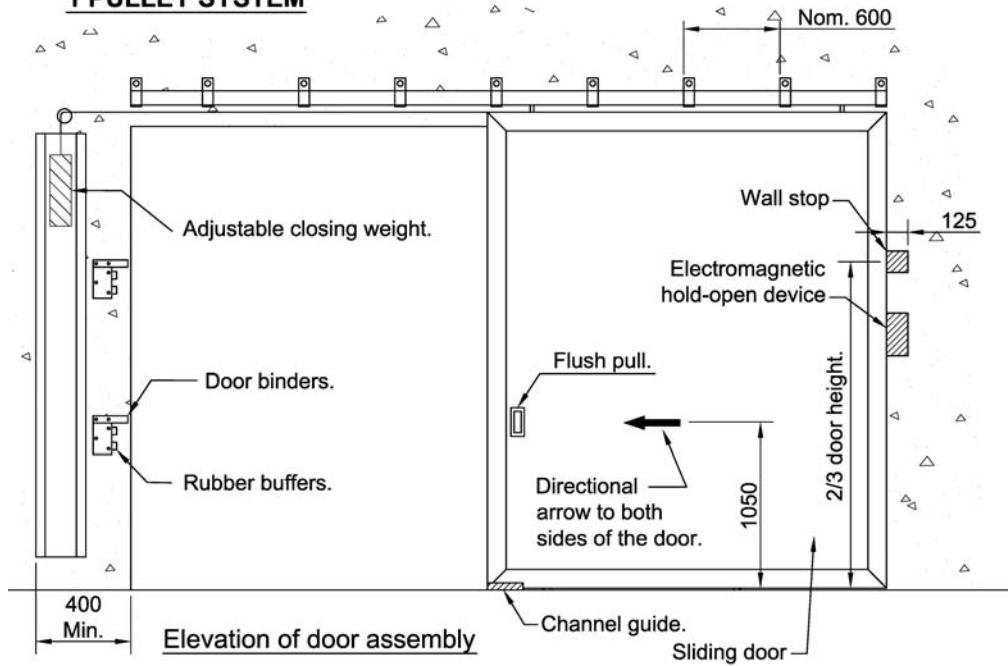
#### STANDARD HARDWARE

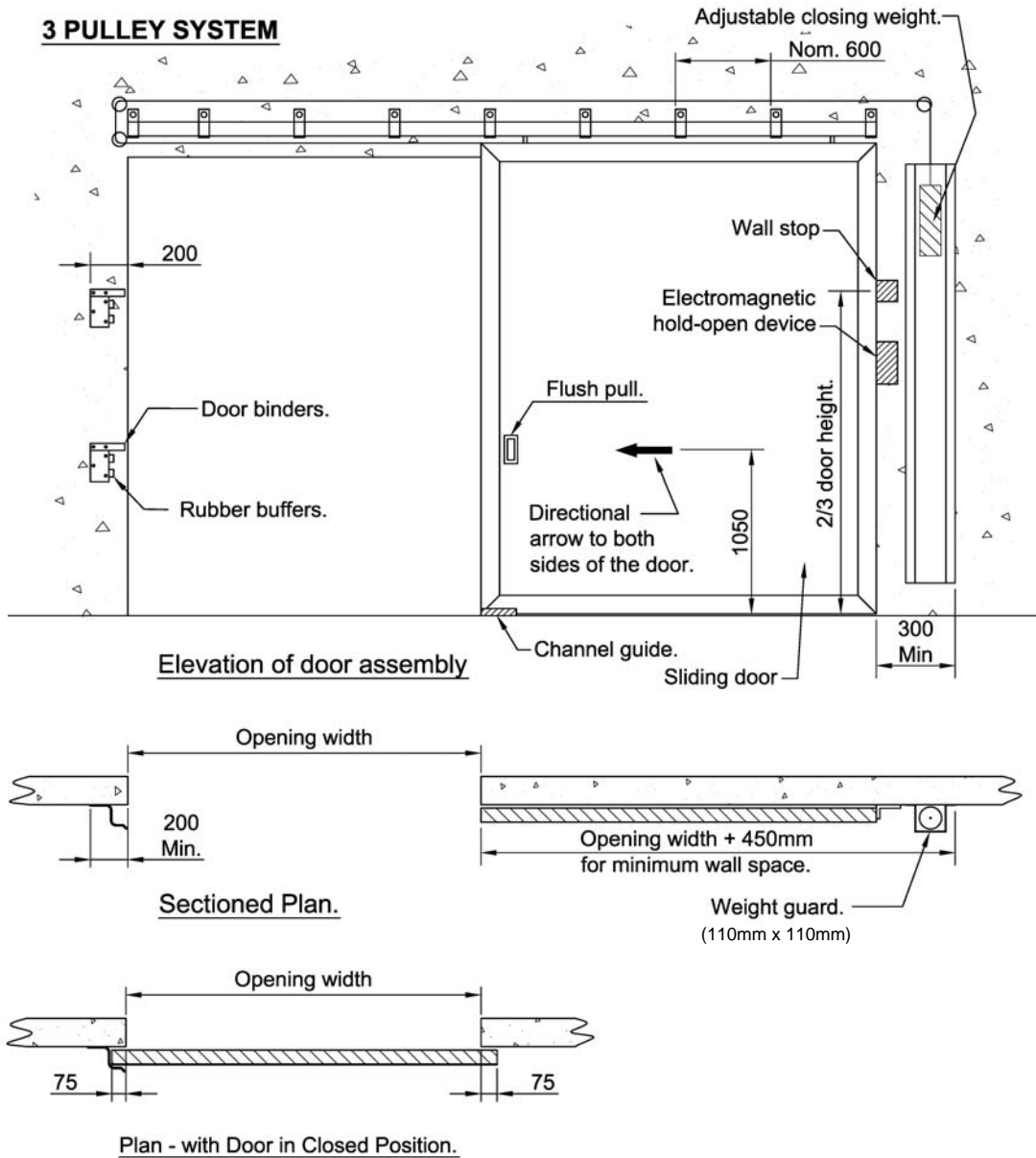
- Track and brackets for wall mounting.
- 2 hangers per leaf
- Channel Section floor guide.
- Fusible link activated closing on wire rope and pulley system.
- Counterweight system allowing free-flow operation.
- Flush mounted door pulls.
- Galvanised steel wall mounted door binders to leading edge.
- 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.
- 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).
- Acoustic performance calculations.
- Door may also be held open by magnetic hold-open units, which are wall mounted and have automatic release by smoke or heat detectors.
- Speed control device.
- Fully insulated models with 120 minute insulation rating available on request.

**1 PULLEY SYSTEM**





MODELS AVAILABLE

Model	FRL	Thick-ness (mm)	Max Leaf size - Single (mm)	Max Leaf size - Pair (mm)
PSFD120-65	-/120/30	65	4000(h) x 2600(w) or 3500(h) x 3000(w)	4000(h) x 2600(w) or 3500(h) x 3000(w)
PSFD120-80	-/120/30	80	5000(h) x 6000(w) <sup>#</sup>	5000(h) x 6000(w) <sup>#</sup>
PSFD240-80	-/240/30	80	5000(h) x 6000(w) <sup>#</sup>	5000(h) x 6000(w) <sup>#</sup>

HOW TO SPECIFY

Eg, "Door to be a Pyropanel PSFD120-80 Metal clad Sliding Fire Rated Door, 80mm thick, -/120/30 FRL, 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

<sup>#</sup> Max height 5m, Width can be increased provided the area of the door leaf does not exceed 30m<sup>2</sup>.  
Note: Higher insulation models available on request



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