

B&D PANELIFT® DOOR up to 2.5 m Wide for Northern Territory Cyclonic Areas

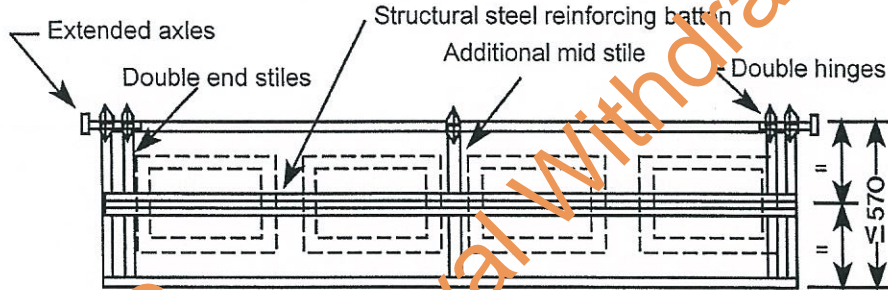


Figure 1 Typical door panel

PANELIFT® DOOR CONFIGURATION:

A Panelift® door consists of 4 to 6 panels each up to 570 mm high as shown in Figure 1

Each panel must have the following configuration:

- one Sumit TH 64120 G550 grade, 1.2 mm thick top hat section reinforcing batten, fastened with two 14 gauge x 20 mm screws to each stile.
- double end stiles and double end hinges as illustrated in Figure 1
- additional mid stile
- extended axles as shown in Figure 2
- stiffened track brackets consisting of a pair of standard 2.4 mm thick L brackets 105 x 35 x 73 mm long, tack welded together as shown in Figure 2.
- track bracket fixing to jamb sufficient to resist load per metre height of door as shown in Figure 2.

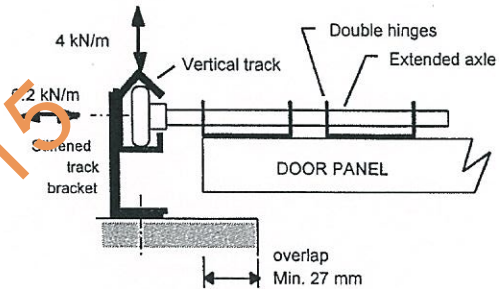


Figure 2 Plan of end support

DESIGN NOTES

The 2.5 m wide Panelift® doors satisfied the cyclic test criteria specified in TR 440 for both net outwards pressures and net inwards pressures, based on the criteria listed in Table 1 for Region C, terrain category 2.5.

Table 1 Design wind pressures (AS1170.2-1989)

Net pressure	C _{pe}	C _{pi}	K _L	PSD design pressures (kPa)
Outwards	0.65	0.7	1.5	2.36
Inwards	0.7	0.65	1.0	1.90

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	DESIGN DATA SHEET	
Cyclone Structural Testing Station School of Engineering, James Cook University, Townsville, Qld 4811	Northern Territory Dept of Lands & Housing Building Authority Branch	Dwg No M/413/1
Certified: <i>[Signature]</i> M.I.E.Aust. C. P. Eng Date: 21-3-01	Approved: <i>[Signature]</i> Date: 21-4-01	

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