

COMMERCIAL WIDESPAN SECTIONAL DOOR TECHNICAL DATA



Glideaway Door Systems

Manufacturers, Importers & Distributors of Residential, Commercial & Industrial Door Systems

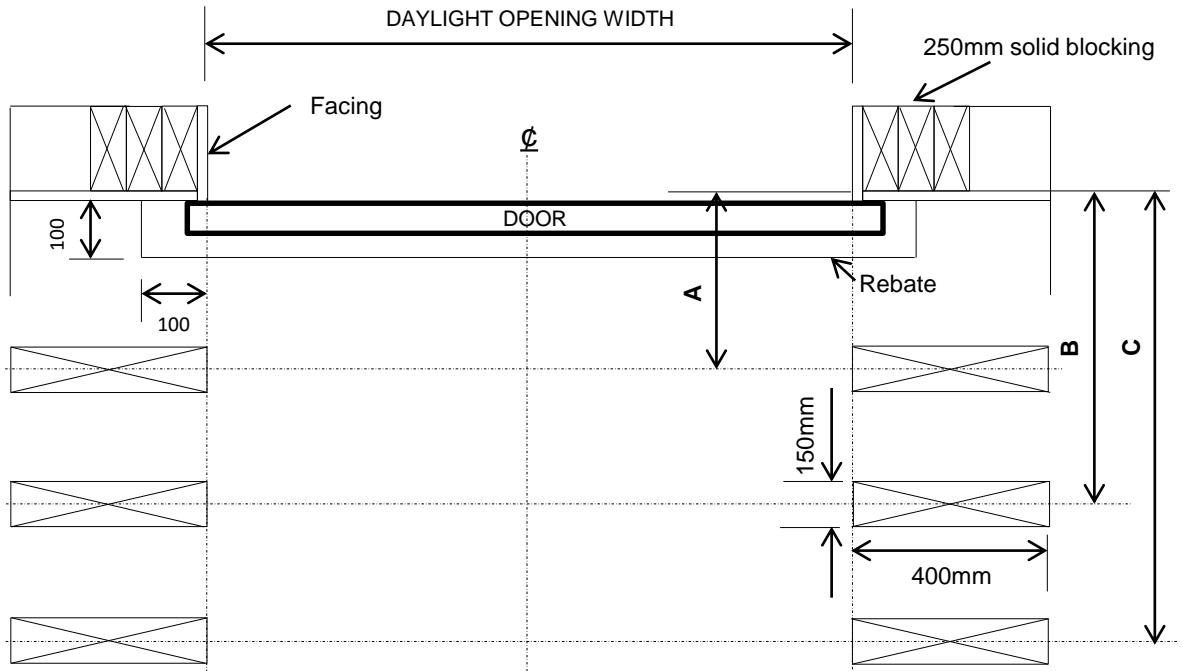
New Zealand Wide Sales & Installations

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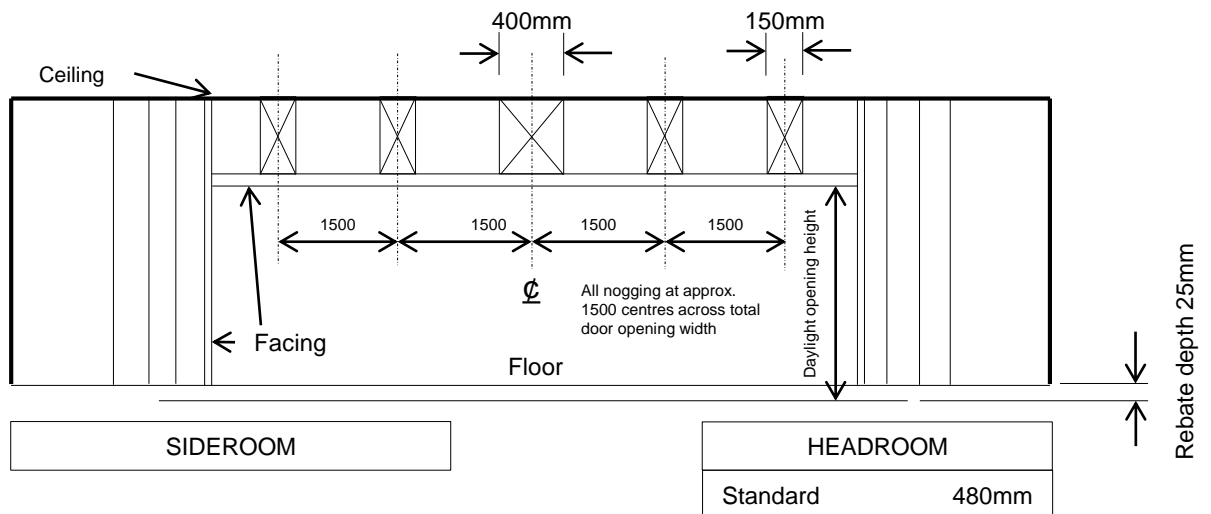
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Structural Fixing Details



All fixing nogs 150mm x 400mm

DOOR OPENING HEIGHT	NOG A	NOG B	NOG C
3100mm	1100	2200	3200
3600mm	1200	2400	3600
4500	1300	2600	3900



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Widespan doors can be used in a wide range of applications including Aircraft/ Helicopter hangers, industrial and commercial structures. Each door is custom built to each individual door opening. Sectional doors are made up of individual sections with structural bracing, each section is guided by wheel inside a track section. Operation is either by manual hand chain or electric motor.

- Door Operation:** Sectional overhead
Roll formed panels interlocked to give door height
Door is spring balanced with lifting cables connected to both side at the door on the bottom section
- Door Panels:** Roll formed sections calculated to each individual door opening.
Where possible door section are transported to site in full length, joining on site may be possible for some locations
Choice of materials including Zinalume, coloursteel and Aluminium
Panel is constructed with vertical muntons to give high inherent strength and rigidity.
Bottom panel double skinned with polyurethane core for structural and horizontal bracing
Purlin braces are used horizontally on each section to wind loading and structural strength
bracing sizes and thickness calculated on door opening size and location
- Hinges:** Heavy duty grade galvanized steel hinges, double up the side of door.
- Wire Ropes:** Galvanized wire to be used in all situations safety factor 6-1
- Wheels:** Sealed bearings with nylon moulded wheels on a high tensile roller shaft designed for high wind loading.
- Tracks:** Constructed using galvanized steel where possible.
To suit applicable wind and cladding loads.
Horizontal track to have spring stops to control door travel
Fixing to wall or structure is site dependent.
Vertical tracks with 3mm solid angle fixing
Horizontal tracks to have C channel section to strengthen with lattice truss.
Building structure deigned to tack door weight.
- Spring Balance:** Torsion spring system on 25.4mm solid shafting.
Heavy duty spring 6mm flange bearing plate
Cable drum for calculated size and weight of door
- Seals:** Door closes against back edge of door opening
Mohair pile seal or rubber GA sheet seals are available for the door to close on
Bottom door section with bulb type seal to contact with the floor.
- Vision Panels:** Glideaway offer a range of vision panels including full width aluminium box section glazing with a range of glazing options
Acrylic glazing is recommended to keep the total door weight lower
- Activation:** Doors to be manual chain operated or motorised
Hand chain to have 4.5:1 ratio
Motor to be singe or 3 phased depending on door size and weight
Motors to have emergency over ride features and be capable of incorporating remotes and other activations
Power to be supplied to door by Owner or Builder

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Locking: Manual hand chain operation to have internal side latches
Motorised door to have no locks. Locking by activation

Wind-loading: All doors to be designed to with stand .85KPA/135KM winds.
Structure for door tracks to be fixed to is to be engineered by others
Wind-loads are transferred on to the roller axles. Wind-loading in some cases to be site specific.



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