

OPEN & SHUT CASES

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Perfecting indoor/outdoor lifestyle design – with pushbutton control

Swish AutoStac residential door automation opens a 16-metre-wide panorama for the ultimate indoor/outdoor lifestyle setting

At 2.6 metres high and spanning an aperture almost as wide as three double garages, this 8-panel stacking doorset is impressive enough for sheer size and weight alone.

When automated, access to Hauraki Gulf panorama over a spacious outdoor entertaining area is revealed with effortless ease.

The eight 200kg panels in this installation were collected by the system in a seamless operation taking just over a minute from closed to fully open. This is the Swish AutoStac 500 Series door operator, precision-engineered for smooth, virtually noiseless motion, robust enough to cope with this very large example of automated open-wall architecture.



Left: External view of a 4-panel glazed doorset. Here, an automated door system integrates or separates two zones, offering acoustic privacy with views by day, or ... Right: ... complete, insulated privacy by night, provided by a separately controlled 4-panel louvre doorset. All eight panels disappear completely into the wall cavity when fully open.



One side of the story: The motion of four of the eight panels in this 16-metre bi-parting door-set are tracked in a vid-cam sequence during initial trials. This AutoStac R500 installation is regarded as the largest of its type in Australasia and a first for a residential site.

The smooth, quiet opening process took 1m 14s from closed position to stacked doorsets within wall cavities on either side (full video on our website). This installation has special keypad command settings to meet pool-safety compliance.

Planning essentials

Automated door installations, large or small, are becoming a sought-after residential design feature. A word of advice to designers, builders and fabricators – be aware of the need for perfectly level track foundations and well-supported door panels for load and travel. Brass or stainless-steel tandem



wheelsets on heavy-duty track demonstrate the best performance by far, with smoother operation, greater durability – and substantial energy savings.

Next-generation entrances

There's an AutoStac solution to suit single or multiple panel doorsets, and for interior or exterior walls. Units are typically keypad-controlled, fixed and/or remote, with adjustable settings for special needs – for example, pool-safety compliance or disabled and elderly care. AutoStac systems are supported with battery backup, manual override facilities and customised sensor activation.

Whether for pure function, pure fancy or simply effortless convenience, automated residential doors are in our future, as standard. ■