

## Breezway® Window System Checklist (Powerlouvre® & Manual Version)

REQUIRED INFORMATION viewed from inside	OPTIONAL INFORMATION
<ul style="list-style-type: none"> <li>■ Design Wind Pressure Rating</li> <li>■ Manual or Automated</li> <li>■ Frame Size</li> <li>■ With or without the Stronghold® System</li> <li>■ Gallery Clip Size<sup>1</sup></li> <li>■ Height &amp; Width</li> <li>■ Number of Bays</li> <li>■ Frame Colour</li> <li>■ Gallery Colour</li> <li>■ Clip &amp; Handle Colour</li> <li>■ Handle Type<sup>2</sup> (if required)</li> <li>■ Blade Type<sup>3</sup></li> <li>■ Remote Control Configuration paperwork (available from the Breezway website)</li> </ul>	<ul style="list-style-type: none"> <li>■ Reveal/Flashing Type &amp; Size</li> <li>■ Left or Right Handed</li> <li>■ Handle Locking Bar</li> <li>■ Restricted Opening</li> <li>■ Variable Handle Position/Additional Handles</li> <li>■ Security Bar System</li> <li>■ Keylock</li> <li>■ Offset Mullions</li> <li>■ Couplers &amp; Cover Plates</li> <li>■ Bay Configuration</li> <li>■ Sub Framing</li> </ul>

### Notes:

1. Altair Stronghold Clips are only available in 152 clip sizes.
2. For Altair Powerlouvre Windows handle specification sare not required.
3. Timber Blades are not available for use with the Stronghold System.

**Altair® Louvre Window System and Powerlouvre® Window Recommended Specification**

RECOMMENDED SPECIFICATION		
Altair® Louvre Window System	Powerlouvre® Window System	Remote Controlled Powerlouvre® Window System
The louvre window shall be the Altair® Louvre Window System by Breezway® — as certified by the Australian Window Association.	The automated louvres shall be the Powerlouvre® Window System by Breezway® with concealed motors and connectors — as certified by the Australian Window Association.	The remote controlled automated louvres shall be the Powerlouvre® Window System by Breezway® with concealed motors, connectors and Remote Receivers and remotely controlled by hand held Breezway® Remote Controls - as certified by the Australian Window Association.
Fabricated to perform in (Insert applicable N rating) Zone to comply with AS2047.		

**Comprehensive specification**

Delete points as required.

1. The aluminium louvre window shall be the Altair® Window System by Breezway® Australia, using the Breezway Easyscreen® surround frame or the Breezway SL2® Surround Frame.
2. The Surround Frame shall be fitted with 102mm or 152mm Altair® Galleries.
3. The gallery shall be attached by a clip on feature to the jamb.
4. The jamb shall be rebated to create a flush finish with the gallery.
5. The system shall be glazed with 6mm glass as per window schedule, Breezway® extruded hollow aluminium blade or extruded hollow aluminium blade with Decowood® finish or Breezway’s rebated or straight cut Western Red Cedar timber blades.
6. The window system shall be manufactured to comply with the requirements of AS2047 and AS1288 in particular the Wind performance, Water penetration and Air infiltration performance requirement of AS2047.
7. The key lock shall be capable of being operable after testing to 15,000 cycles.
8. The key shall be removable from the key lock when in the locked position.
9. The key lock body is made from injection moulded acetal and nylon for strength with self fabrication properties.
10. The lock is intuitive in operation.
11. Security bars are to be Breezway integral “D” security bar system.
12. The system shall incorporate purpose designed mullions for various wind loadings up to and including cyclonic conditions as per Breezway specification.
13. The system shall be installed using Easyscreen® Sub Sill, Easyscreen® Sub Head and Easyscreen® Jamb Angles.
14. The remote controlled Powerlouvre® Window shall have a Breezway® Remote Receiver concealed within the head of the frame.
15. The remote controlled Powerlouvre® Window shall be controlled by a hand held Breezway® Standard Remote Control that can control multiple windows simultaneously or a hand held Breezway® Advanced Remote Control that can control up to 6 groups of windows independently of each other.
16. The remote controlled Powerlouvre® Windows shall be controlled as specified on the Breezway® Remote Control Configuration Forms.

**Other Specification Tools**

- The specifications above can be copied and pasted from the Specification Page of the Breezway website.
- Breezway Louvre Windows are included in NATSPEC. The NATSPEC specification can be downloaded from the Specification Page of the Breezway website.

[www.breezway.com.au/louvres\\_specification.htm](http://www.breezway.com.au/louvres_specification.htm)

## Altair® Louvre Window With The Stronghold® System Recommended Specifications

A tight specification will help to make sure that what you specify ends up in your building thereby achieving your design objectives. Use our recommended specifications below, being sure to delete points from the comprehensive specifications as required.

RECOMMENDED SPECIFICATION		
Altair® Louvre Windows with the Stronghold® System	Powerlouvre® Window System	Remote Controlled Powerlouvre® Window System
The louvre window shall be the Altair® Louvre Window with the Stronghold® System in a Breezway® Surround Frame – as certified by the Australian Window Association. Fabricated to perform in (Insert applicable N rating) Zone to comply with AS2047 and tested to AS1170.	The automated louvres shall be the Altair® Powerlouvre® Window with the Stronghold® System in a Breezway® Easyscreen® Surround Frame with concealed motors and connectors – as certified by the Australian Window Association. Fabricated to perform in (Insert applicable N rating) Zone to comply with AS2047 and tested to AS1170.	The remote controlled automated louvres shall be the Powerlouvre® Window with the Stronghold® System in the Breezway® Easyscreen® Surround Frame with concealed motors, connectors and Remote Receivers and remotely controlled by hand held Breezway Remote Controls - as certified by the Australian Window Association. Fabricated to perform in (Insert applicable N rating) Zone to comply with AS2047 and tested to AS1170.
Fabricated to perform in (Insert applicable N rating) Zone to comply with AS2047.		

### Comprehensive specification

Delete or modify points as required

- The aluminium louvre window shall be the **Altair® Window System by Breezway® Australia** using the **Breezway Easyscreen® Surround Frame** or the **Breezway SL2® Surround Frame**.
- The surround frame shall be fitted with **152mm Altair® Galleries with the Stronghold® System**.
- The galleries shall have the Patented Altair® Stronghold® System which mechanically retains blades in the Altair Stronghold Clips using an acetal Stronghold Pin that passes through the Stronghold Clip, the Stronghold Bearing and toughened glass or aluminium blades processed for use with the Stronghold System.
- The Altair® Louvre Window with the Stronghold® System shall have been tested to **AS1170 “Structural Design Actions”**.
- Automated louvres shall be the **Altair® Powerlouvre® System**.
- The gallery shall be attached by a clip on feature to the jamb.
- The Easyscreen® Window System jamb Shall be rebated to create a flush finish with the gallery.
- The system shall be glazed with **6mm toughened glass as per the window schedule, 6mm toughened glass as per the window schedule that has been heat soak tested, Breezway extruded hollow aluminium blade or extrude hollow aluminium blade with Decowood® finish**. All blades shall be processed for use with the Stronghold® System.
- The window system shall be manufactured to comply with the requirements of **AS2047 and AS1288 in particular the Wind performance, Water penetration and Air infiltration performance requirements of AS2047**.
- The key lock shall be capable of being operated after testing to 15,000 cycles.
- The key shall be removable from the keylock when in the locked position.
- The key lock body shall be made from injection moulded acetal and nylon for strength with self lubrication properties.
- The keylock shall be intuitive in operation.
- Security bars are to be Breezway integral “D” security system.
- The system shall incorporate purpose designed mullions for various wind loadings up to and including cyclonic conditions as per Breezway specification.
- The remote controlled Powerlouvre® Window shall have a Breezway Remote Receiver concealed within the head of the frame.
- The remote controlled Powerlouvre® Window shall be controlled by a hand held Breezway Standard Remote Control that can control multiple windows simultaneously or a hand held Breezway Advanced Remote Control that can control up to 6 groups of windows independently of each other.
- The remote controlled Powerlouvre® Window shall be controlled as specified on the Breezway Remote Control Configuration forms.

### Other Specification Tools

- The specifications above can be copied and pasted from the Specification Page of the Breezway website.
- Breezway Louvre Windows are included in NATSPEC. The NATSPEC specification can be downloaded from the Specification Page of the Breezway website.

[www.breezway.com.au/louvres\\_specification.htm](http://www.breezway.com.au/louvres_specification.htm)

**Altair® Louvres For Other Frames Checklist**

REQUIRED INFORMATION viewed from inside	OPTIONAL INFORMATION
■ Gallery Clip Size	■ Left or Right Handed
■ Gallery Height	■ Handle Locking Bar
■ Gallery Colours	■ Restricted Opening
■ Manual or Powerlouvre® Galleries	■ Handle Type
■ Clips & Handle Colour	■ Variable Handle Position/Additional Handles
■ Blade Length & Type	■ Screw Holes (Ref frame, mullion, security type)
■ Weather strip for head & sill	■ Security Bar System
■ Remote Control Configuration paperwork (available from the Breezway website)	■ Keylock

## Altair Louvres For Other Frames Recommended Specification

RECOMMENDED SPECIFICATION		
Altair® Louvre	Powerlouvre®	Remote Controlled Powerlouvre®
The louvre window shall incorporate the Altair® Louvre Gallery by Breezway - as certified by the Australian Window Association.	The automated louvre window shall incorporate the Altair® Powerlouvre® Gallery with concealed motors and connectors and Altair® Powerlouvre® Weatherstrip sets by Breezway® - as certified by the Australian Window Association.	The remote controlled automated louvre window shall incorporate the Altair® Powerlouvre® Gallery with concealed motors and connectors and Altair® Powerlouvre® Weatherstrip sets by Breezway and shall be controlled by hand held Breezway® Remote Controls - as certified by the Australian Window Association.
Fabricated to perform in (insert applicable N rating) to comply with AS2047.		

### Comprehensive Specification

Delete points as required

- The louvres shall be Altair® Louvres by Breezway®. The louvre gallery is to be manufactured from extruded aluminium alloy 6060 T5, with convenient clip on feature.
- Blade holding clips are UV stabilized polypropylene, that incorporate the unique patented drainage system.
- Bearings are injection-moulded acetal, incorporating the patented living hinge and are gear driven by T shaped aluminium-operating bars.
- Handles are to be as per window schedule.
- The blade holding clips shall be replaceable.
- Altair® Weatherstrip, complete with flexible santoprene seal shall be fitted to manufacturer's specification with an approved sealant to head and sill of each louvre set.
- The louvre system shall comply with AS2047 or NZS4211 (windows in buildings), including performance for water penetration and air infiltration tests for windows.
- Glass blades shall be 102mm or 152mm tall x 6mm thick. Length of blades must be in accordance with AS1288 (Glass in buildings) or Breezway® Product Performance Warranty. Glass type as per window schedule.
- Breezway Australia hollow extruded aluminium blades shall be 102mm or 152mm tall x 6mm thick. Length of blades must be in accordance with the Breezway Product Performance Warranty.
- Timber blades shall 152mm tall and either rebated to suit 6mm clips or straight cut to suit 14mm clips, or 102mm tall and rebated to suit 6mm clips and will have a water performance rating to suit site conditions.
- The key lock shall be fitted as required and shall be capable of being operable after testing to 15,000 lock and unlock cycles.
- The Key shall be removable from the key lock when in the locked position.
- The keylock body is made of injection moulded acetal and nylon for strength with self lubrication properties.
- The lock is intuitive in operation.
- Security bars shall be 152mm or 102mm Security jamb "D bar" or Security U Channel "round bar".
- Altair® Louvre galleries to be installed into specified frame to allow for flyscreens to the exterior face of the window.
- Galleries, Weatherstrips, handles, clips, blades, keylocks, and security bar colour(s) as per window schedule.
- The remote controlled Powerlouvre® Window shall be controlled by a Breezway® Remote Receiver Unit that can control 1 or 2 groups of up to 6 Powerlouvre® Motors per group.
- The Breezway® Remote Receiver Units shall be controlled by a hand held Breezway® Standard Remote Control that can control multiple Remote Receiver Units simultaneously or a hand held Breezway® Advanced Remote Control that can control up to 6 groups of Breezway® Remote Receiver Units independently of each other.
- The remote controlled Powerlouvre® Windows shall be controlled as specified on the Breezway® Remote Control Configuration Forms.

### Other specification tools

- The specification above can be copied and pasted from the Specification Page of the Breezway website.
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