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Established over 40 years ago by the Upton family, Uptons and The Bunker supply building materials into the Victorian, Tasmanian, NSW and Queensland markets.

As the exclusive Australian distributor of SHIELD doors and windows, we offer quality double glazed aluminium in standardised sizes off the shelf in addition to custom sizes fabricated to individual requirements. This combination of custom and standard offerings provides for a broad range of models, making us the ideal supplier for builders of quality homes and DIY customers.

With more than twenty years in the window and door market, we continue to deliver on our promise of personalised service at an affordable price.

AUSTRALIAN BUILDING STANDARDS

SHIELD's range of residential windows and doors comply with Australian Standards permitting their use in residential applications.

These include:

- \ AS 2047 Windows in Buildings – selection and installation
- \ AS 1288 Glass in Buildings
- \ AS 3959 Bush fire Code

Windows and Doors AS 2047

The SHIELD range of double-glazed windows and doors conforms to AS 2047 which permits their use in residential applications throughout Australia. AS 2047 certifies our product range meets relevant N and C performance guidelines. For more information on the standards required, please consult the AWA or your nearest SHIELD representative.

Glass in Buildings AS 1288

AS 1288 governs glass used in residential buildings. SHIELD doors and windows use grade A safety glass in all door and window products to ensure appropriate standards are met. For custom products, SHIELD will alter the glazing configurations to conform to relevant standards.

Construction in Bush fire Prone Areas AS 3959 - 2009

Please consult your SHIELD representative if constructing in a bush fire prone area to determine a suitable product based on your assessed BAL rating. This standard has been implemented to govern construction within the areas deemed at risk for bush fires and your local council will be able to help you with more information.



As energy costs continue to rise and environmental awareness and sensitivity become increasingly important, there has been a marked move towards double-glazing as an efficient, cost-effective method for reducing the energy consumption of new and existing homes. As more than 40% of heating and cooling energy is lost through doors and windows, improving thermal efficiency has a direct impact on the energy use of your home. This increases comfort as temperature variance is reduced, as well as a reduction in annual heating and cooling costs.

SHIELD doors and windows have emphasised the importance of energy efficiency by offering only double-glazed products with emphasis placed on thermally improved aluminium frames. The range of windows and doors on offer at SHIELD is rated by the Window Energy Rating Scheme (WERS).

Managed by the Australian Window Association, WERS provides a standard platform to measure the energy performance of windows and doors.

WERS measures the heat transferred through a window using a U Value and Solar Heat Gain Coefficient. The lower the U Value and SHGC, the better the level of insulation provided.

\ U Value – This is the measurement of air-to-air thermal conductance, or insulation between indoors and outdoors, through the glass. The lower the number, the better the insulation.

\ SHGC (Solar Heat Gain Coefficient) – The proportion of directly transmitted and absorbed solar energy that enters into a building's interior. The lower the number, the better the solar control.

The clever use of windows and doors to significantly increase natural light in your home will reduce lighting costs, whilst the use of insulated glass units (double glazing) will aid in the reduction of heating and cooling costs. Furthermore, double glazed and argon gas filled cavities will offer significant noise reduction advantages when used as one component of the total insulation package.

If sound-proofing is required, we can achieve up to 38 decibels. Please consult your SHIELD representative to assist you.

SLIDING DOORS

- \ Economical, low maintenance aluminium profile
- \ Double glazed configurations with 9mm argon gas sealed units
- \ Available in
 - Single (2-panel)
 - Stacking (3-panel)
 - Twin (centre opening 4 panels)
 - Twin stacking (centre opening 6 panels)
- \ Corner gasket sealing
- \ Twin dual-sealed ball bearing rollers for superior smooth panel action is housed within high-quality cassettes
- \ Flyscreen solutions available for order on all doors
- \ Silicon wet seal gives a more durable design

Sliding doors are an economical, functional, low maintenance choice for door openings. The SHIELD range of double-glazed sliding doors provides these qualities and improved energy performance and reliability to form a market-leading sliding door.

SHIELD sliding doors are available in both standard sizes (see size charts) and custom sizes. Our standard range allows for openings up to 5.2m wide and custom doors can be produced up to 6m. SHIELD sliding doors can also be produced in different heights to fit both new and existing builds.

We offer two ranges of sliding doors:

- An off the shelf range of 2, 3, 4 panel configurations
- A premium custom built range allowing openings up to 6m

Consult with your SHIELD representative for more information.



BI-FOLD DOORS



- \ Multiple sizing and door configurations to suit almost all patio openings
- \ Commercially inspired design for increased resilience and minimal maintenance
- \ Multiple sealing points for weather-exposed settings
- \ 9mm argon gas gap glazing configuration for increased energy efficiency
- \ A rebated bottom sill allows an obstruction-free view
- \ Available in standard sizes from 1.8 to large 4.8m openings
- \ Silicon wet seal gives a more durable design
- \ Custom sizes are also available

SHIELD's signature bi-fold doors known for their functionality, stylish presentation, a superb quality that bring the outdoors in and the indoors out.

The SHIELD range of bi-fold door settings is developed with the user in mind, combining the advantages of bi-fold settings within standard sizes to allow for a cost-effective folding door solution.

Employing a 'semi commercial' profile with heavy-duty hardware, SHIELD bi-fold doors have been designed with longevity in mind.

As a low maintenance design, bi-fold doors use an energy-efficient glazing configuration with argon gas filled double-glazing to offer end users high performing units.



FRENCH AND ENTRY DOORS

- \ Semi-commercial inspired frame design allows for durable, low maintenance door opening
- \ Extra heavy-duty adjustable hinges
- \ 9mm argon gas units allow increased energy efficiency
- \ Keyed lock solution
- \ Silicon wet seal gives a more durable design
- \ Can be coupled with fixed and awning window frames

A durable low maintenance solution designed with energy efficiency in mind. Paired with various window combinations, French and Entry doors can accommodate nearly all openings.

French settings allow an easy access dual door opening that provides straight forward retractable fly screening solutions.

French and Entry settings combine easily with various windows to produce customised openings.

Entry doors are produced in a standard external opening configuration. With the use of a subsill, these doors can be inverted to open internally.

Consult with your SHIELD representative for more information.



SLIDING WINDOWS



- \ Low maintenance profile design
- \ Dual, twin ball bearing rollers
- \ Slimline profile for unobstructed views
- \ Gasket corner seals for superior weather protection
- \ Energy efficient double glazed 5mm glazing - 9mm argon gas gap - 5mm glazing configuration as standard with custom configurations also available
- \ Flush locking system for superior security
- \ Anti-lift sash for security
- \ Customised designs available
- \ Sliding fly screen allowing for serverly style windows
- \ Silicon wet seal gives a more durable design

SHIELD sliding windows are a popular choice, offering excellent ventilation in a cost-effective window solution.

SHIELD's range of double-glazed sliding windows forms the backbone of the shield range. Valued for their economical design and excellent ventilation, double glazed sliding windows are the optimal choice.

With a silicon sealed standard glazing configuration comprised of a 9mm argon gas gap, sliding windows are still able to achieve high-energy efficiency.

Sliding windows can also be customised to suit bush fire areas through the use of different glazing and screening options.



AWNING WINDOWS

- \ Resilient thermally improved profile design for increased energy efficiency and durability
- \ Mitred corners for aesthetic clean design
- \ Keyed winder lock system for simple operation
- \ Energy efficient double glazed 5mm glazing - 9mm argon gas gap - 5mm glazing configuration as standard with custom configurations also available
- \ Fixed fly screen option as standard
- \ Retractable fly screen options available
- \ Silicon wet seal gives a more durable design

SHIELD's range of awning windows is valued for its stylish look and energy-efficient design.

SHIELD's awning windows are available in a wide variety of sizes and configurations and can be customised to suit any opening. An elegant design displaying mitred corners and a simple lock system gives SHIELD's range of awning windows a prominent place in the market.



FIXED WINDOWS



Perfect for coupling with other windows and door configurations, or alternatively as stand-alone fixed panels, SHIELD's range of fixed windows can be customised to suit all openings.

\ Energy efficient double glazed 5mm glazing - 9mm argon gas gap - 5mm glazing configuration as standard with custom configurations also available

\ Mitred, European inspired, thermally improved design for increased energy efficiency and aesthetics

\ Silicon wet seal gives a more durable design

BI-FOLD WINDOWS



Bi-fold windows are a popular choice for kitchen openings, as they allow large serving openings onto patios.

\ Multiple locking and sealing points for a secure weatherproof design

\ Energy efficient double glazed 5mm glazing - 9mm argon gas gap - 5mm glazing configuration as standard with custom configurations also available

\ Heavy-duty commercial inspired design for increased durability and low maintenance operation

\ Rebated track system for low profile bottom track

CASEMENT WINDOWS



Designed to meet standards for use in bush fire-prone areas, SHIELD's range of casement windows offers consumers excellent ventilation, secure locking and the option of external screening.

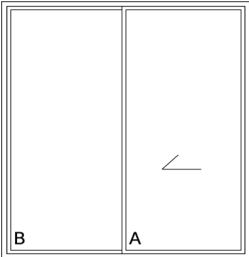
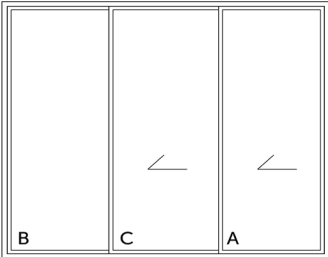
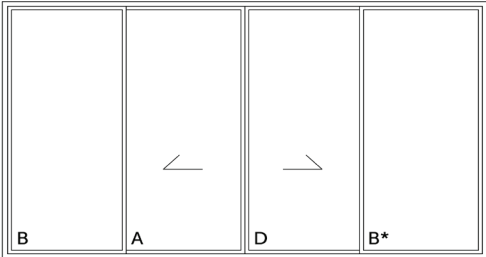
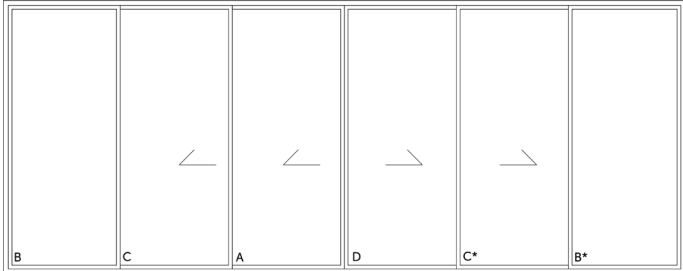
\ Energy efficient double glazed 5mm glazing - 9mm argon gas gap - 5mm glazing configuration as standard with custom configurations also available

\ Mitred, European inspired, thermally improved design for increased energy efficiency and aesthetics

\ Silicon wet seal gives a more durable design

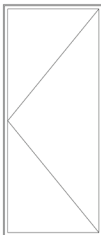
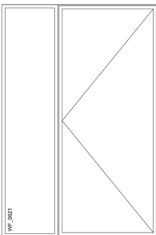
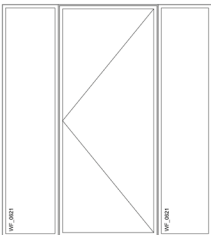
TECHNICAL
SPECIFICATION DRAWINGS

SLIDING DOORS – STANDARD STOCKED SIZES

STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100	1870	2705	3626
						1848	2683	3604
						1810	2645	3566
STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100			
						DS_2118 SINGLE		
								
						DS_2127 STACKER		
STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100			
						DS_2136 TWIN		
						5298		
						5276		
STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100			
						DS_2152 TWIN STACKER		
						5238		

Standard door heights available are 2100mm high and 2360mm high
Additional subsill available - add 13mm in height
The opening directions can vary from left or right with both single and stacker door combinations
Frame depths
- Single and twin = 110mm
- Stacker and twin stacker = 180mm
The sizes indicated are our standard sizes but can be produced in any size from 1500mm to 6000mm
Flyscreens are available with all frame types

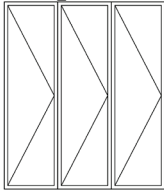
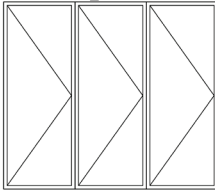
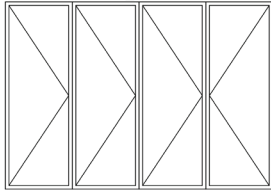
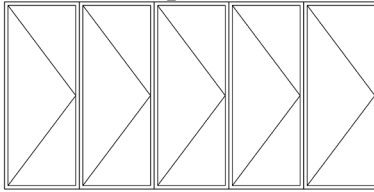
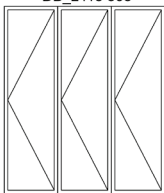
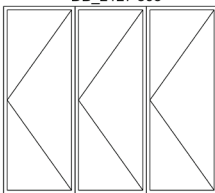
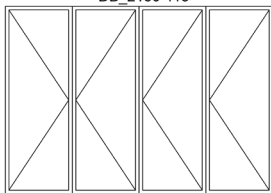
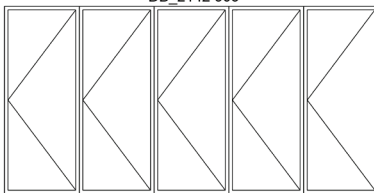
ENTRY DOORS

STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100	960	1560	2160
						938	1538	2138
						900	1500	2100
STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100			
						DE_2109		
								
						DE_2115		
STUD OPENING	2130	REVEALED SIZE	2118	DOOR SIZE	2100			
						DE_2121		

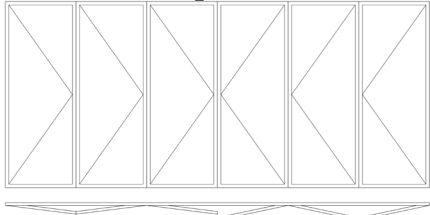
Standard door heights available are 2100mm high and 2360mm high
The sizes indicated are standard sizes and can be coupled to fixed and awning windows
Additional subsill available - add 13mm in height
retractable flyscreen available to order

BI-FOLD DOOR

1870	2770	3070	4270
1848	2748	3048	4248
1810	2710	3010	4210

DB_2118 330	DB_2127 330	DB_2130 431	DB_2142 550
			
DB_2118 303	DB_2127 303	DB_2130 413	DB_2142 505
			

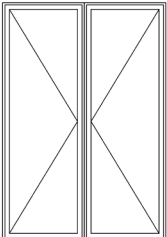
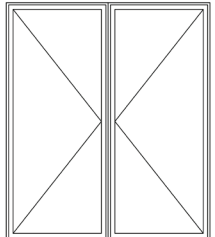
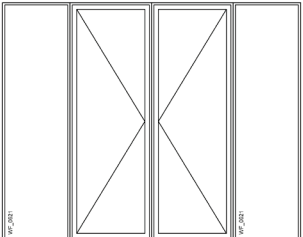
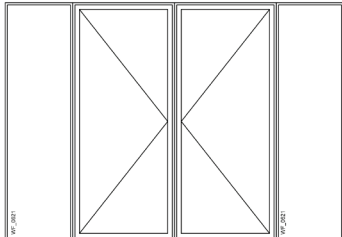
4870
4848
4810

DB_2148 633


Standard door heights available are 2100mm high and 2360mm high
 Additional subsill available - add 13mm in height
 The sizes indicated are our standard sizes and opening directions can vary from left or right with both single and stacker door combinations
 Bi-fold door frame depth is = 70mm

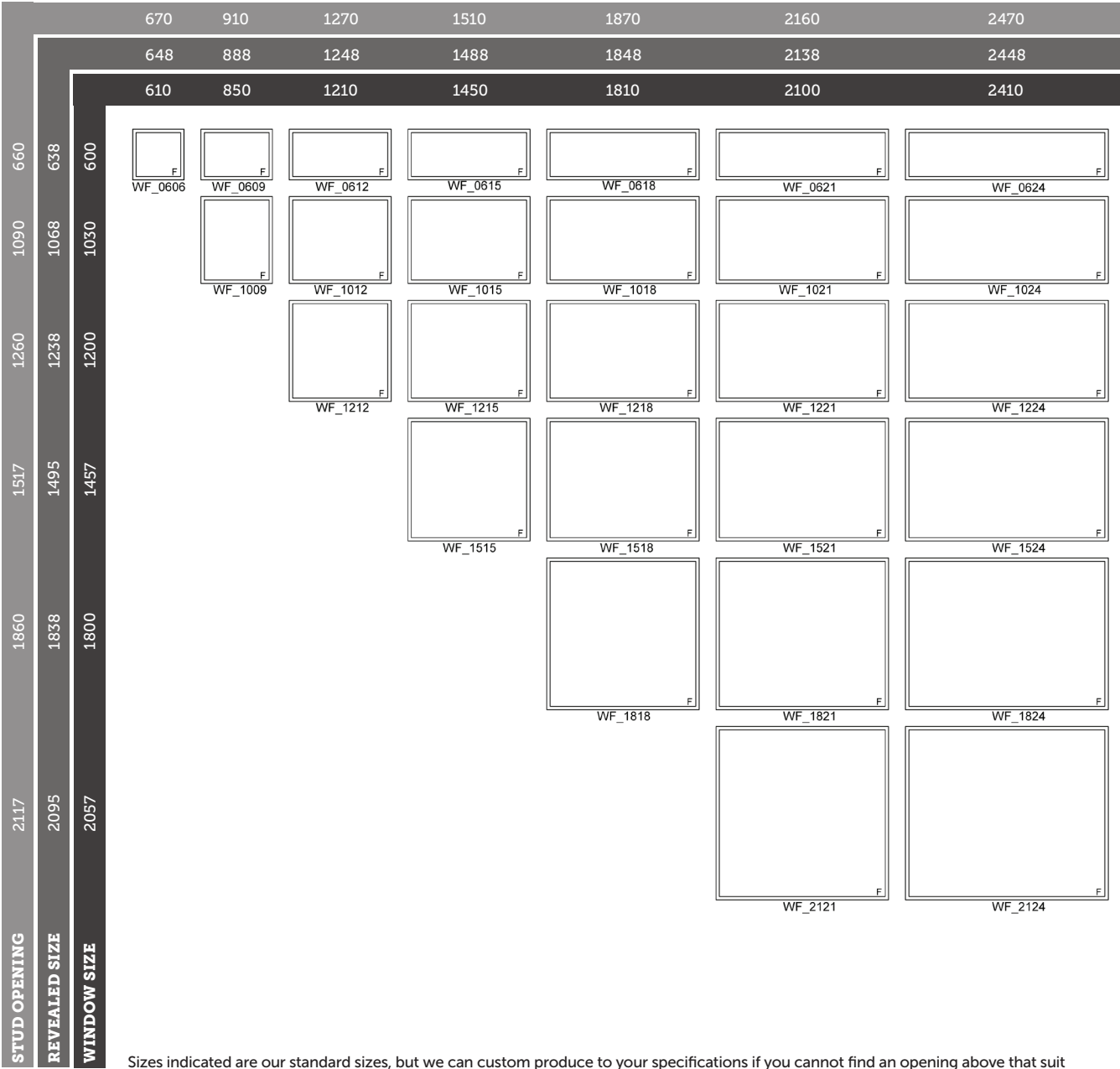
FRENCH DOORS

1510	1870	2710	3070
1488	1848	2688	3048
1450	1810	2650	3010

DF_2114	DF_2118	DF_2126	DF_2130
			

Standard door heights available are 2100mm high and 2360mm high
 The sizes indicated are standard sizes and can be coupled to fixed and awning windows
 Additional subsill available - add 13mm in height

FIXED WINDOWS



Sizes indicated are our standard sizes, but we can custom produce to your specifications if you cannot find an opening above that suit

BI-FOLD WINDOWS

1870	2470	3070	
1848	2448	3048	
1810	2410	3010	
<div><div><div>WB_1218 330</div></div><div><div>WB_1224 330</div></div><div><div>WB_1230 550</div></div></div> <div><div><div>WB_1218 303</div></div><div><div>WB_1224 303</div></div><div><div>WB_1230 505</div></div></div> <div><div><div>WB_1218 330</div></div><div><div>WB_1224 330</div></div><div><div>WB_1230 550</div></div></div> <div><div><div>WB_1218 303</div></div><div><div>WB_1224 303</div></div><div><div>WB_1230 505</div></div></div>	1030	1038	1090

1200	1238	1260
WINDOW SIZE	REVEALED SIZE	STUD OPENING

Sizes indicated are our standard sizes, but we can custom produce to your specifications if you cannot find an opening above that suit

WINDOW SIZE

1200

1030

REVEALED SIZE

1238

1068



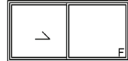
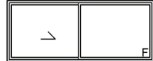












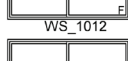
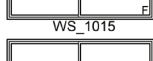
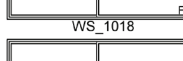
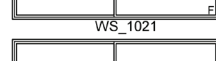
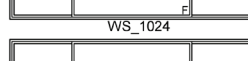


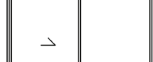
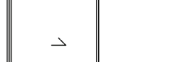




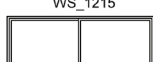
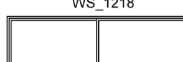

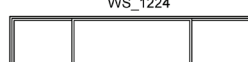

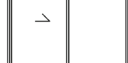
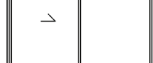
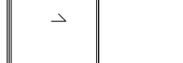


STUD OPENING

1260

1090






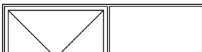

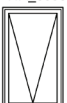
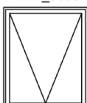
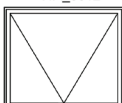
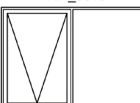
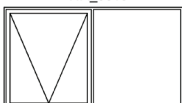
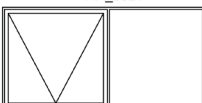

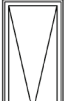
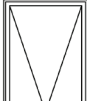
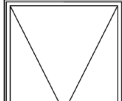




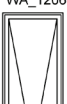
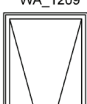
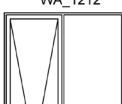











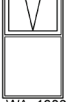
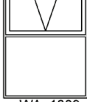




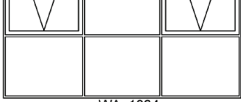
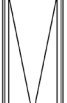
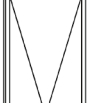

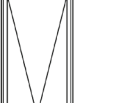


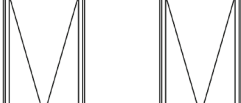




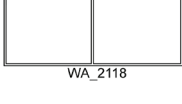

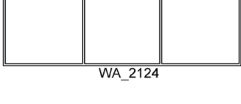














Sizes indicated are our standard sizes, but we can custom produce to your specifications if you cannot find an opening above that suit

SLIDING WINDOWS

		670		910		1270		1510		1870		2110		2470	
		648		888		1248		1488		1848		2088		2448	
		610		850		1210		1450		1810		2050		2410	
STUD OPENING	660														
	638														
	1090														
	1068														
	1030														
REVEALED SIZE	1260														
	1238														
	1200														
WINDOW SIZE	1517														
	1495														
	1457														
	1860														
	1838														
	1800														
	2117														
	2095														
	2057														

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AWNING WINDOWS

670	910	1270	1510	1870	2110	2470	
648	888	1248	1488	1848	2088	2448	
610	850	1210	1450	1810	2050	2410	
 WA_0606	 WA_0609	 WA_0612	 WA_0615	 WA_0618	 WA_0621	 WA_0624	600
 WA_1006	 WA_1009	 WA_1012	 WA_1015	 WA_1018	 WA_1021	 WA_1024	638
 WA_1206	 WA_1209	 WA_1212	 WA_1215	 WA_1218	 WA_1221	 WA_1224	660
 WA_1506	 WA_1509	 WA_1512	 WA_1515	 WA_1518	 WA_1521	 WA_1524	1030
 WA_1806	 WA_1809	 WA_1812	 WA_1815	 WA_1818	 WA_1821	 WA_1824	1068
 WA_2106	 WA_2109	 WA_2112	 WA_2115	 WA_2118	 WA_2121	 WA_2124	1090
 WA_2406	 WA_2409	 WA_2412	 WA_2415	 WA_2418	 WA_2421	 WA_2424	1200
 WA_2706	 WA_2709	 WA_2712	 WA_2715	 WA_2718	 WA_2721	 WA_2724	1238
 WA_3006	 WA_3009	 WA_3012	 WA_3015	 WA_3018	 WA_3021	 WA_3024	1260
 WA_3306	 WA_3309	 WA_3312	 WA_3315	 WA_3318	 WA_3321	 WA_3324	1457
 WA_3606	 WA_3609	 WA_3612	 WA_3615	 WA_3618	 WA_3621	 WA_3624	1495
 WA_3906	 WA_3909	 WA_3912	 WA_3915	 WA_3918	 WA_3921	 WA_3924	1517
 WA_4206	 WA_4209	 WA_4212	 WA_4215	 WA_4218	 WA_4221	 WA_4224	1800
 WA_4506	 WA_4509	 WA_4512	 WA_4515	 WA_4518	 WA_4521	 WA_4524	1838
 WA_4806	 WA_4809	 WA_4812	 WA_4815	 WA_4818	 WA_4821	 WA_4824	1860
 WA_5106	 WA_5109	 WA_5112	 WA_5115	 WA_5118	 WA_5121	 WA_5124	2057
 WA_5406	 WA_5409	 WA_5412	 WA_5415	 WA_5418	 WA_5421	 WA_5424	2095
 WA_5706	 WA_5709	 WA_5712	 WA_5715	 WA_5718	 WA_5721	 WA_5724	2117
 WA_6006	 WA_6009	 WA_6012	 WA_6015	 WA_6018	 WA_6021	 WA_6024	2400
 WA_6306	 WA_6309	 WA_6312	 WA_6315	 WA_6318	 WA_6321	 WA_6324	2438
 WA_6606	 WA_6609	 WA_6612	 WA_6615	 WA_6618	 WA_6621	 WA_6624	2460
 WA_6906	 WA_6909	 WA_6912	 WA_6915	 WA_6918	 WA_6921	 WA_6924	2700
 WA_7206	 WA_7209	 WA_7212	 WA_7215	 WA_7218	 WA_7221	 WA_7224	2738
 WA_7506	 WA_7509	 WA_7512	 WA_7515	 WA_7518	 WA_7521	 WA_7524	2760
 WA_7806	 WA_7809	 WA_7812	 WA_7815	 WA_7818	 WA_7821	 WA_7824	3000
 WA_8106	 WA_8109	 WA_8112	 WA_8115	 WA_8118	 WA_8121	 WA_8124	3038
 WA_8406	 WA_8409	 WA_8412	 WA_8415	 WA_8418	 WA_8421	 WA_8424	3060
 WA_8706	 WA_8709	 WA_8712	 WA_8715	 WA_8718	 WA_8721	 WA_8724	3300
 WA_9006	 WA_9009	 WA_9012	 WA_9015	 WA_9018	 WA_9021	 WA_9024	3338
 WA_9306	 WA_9309	 WA_9312	 WA_9315	 WA_9318	 WA_9321	 WA_9324	3360
 WA_9606	 WA_9609	 WA_9612	 WA_9615	 WA_9618	 WA_9621	 WA_9624	3600
 WA_9906	 WA_9909	 WA_9912	 WA_9915	 WA_9918	 WA_9921	 WA_9924	3638
 WA_10206	 WA_10209	 WA_10212	 WA_10215	 WA_10218	 WA_10221	 WA_10224	3660
 WA_10506	 WA_10509	 WA_10512	 WA_10515	 WA_10518	 WA_10521	 WA_10524	4030
 WA_10806	 WA_10809	 WA_10812	 WA_10815	 WA_10818	 WA_10821	 WA_10824	4068
 WA_11106	 WA_11109	 WA_11112	 WA_11115	 WA_11118	 WA_11121	 WA_11124	4090
 WA_11406	<						

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SHIELD DOORS AND WINDOWS GUARANTEE

SHIELD doors and Windows have a factory-backed guarantee against defects arising from faulty workmanship or materials for a period of 6 years from date of delivery.

For further details refer to www.uptons.net.au

Maintenance Procedures for Aluminium Powder-Coat Surfaces

Cleaning by regularly washing the products in a warm detergent-based solution with a soft cloth or sponge is recommended. The use of bristled brushes is not recommended as it can cause irreversible damage to the powder-coat finish. A white spirit should be used to remove soiling without the use of a bristled or abrasive brush. At no time should a cleaning agent containing ketones, esters or alcohols be used.





The background of the entire page is a photograph of a wooden building facade. The wood is arranged in horizontal slats. On the right side, there is a window with a dark frame, divided into two panes. The window shows a view of bare trees against a light sky. The overall tone is warm and natural.

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**SHIELD DOORS & WINDOWS
HOBART**

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ALBURY**

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**THE BUNKER
BRISBANE**

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Burrpengary, QLD 4505
Ph: 07 3888 1100
brisbane@bunker.net.au