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As the centre piece of the SHIELD range, all our windows and doors are produced argon gas filled and double glazed with the use of double tempered, clear toughened safety glass through out the range for peace of mind. This increases the energy efficiency of the unit in order to reduce the heating and cooling costs of your home.

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Established more than 30 years ago, Uptons supplies the Victorian, Tasmanian, NSW and Queensland markets with a range of quality building products.

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

With more than fifteen years' in the window and door market, we continue to deliver on our promise of personalised service and an affordable and energy-efficient product.

SHIELD's range of residential windows and doors complies with a range of 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 Bushfire 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 performance 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 uses 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 Bushfire Prone Areas AS 3959 - 2009

Please consult your SHIELD representative if constructing in a bushfire 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 bushfires 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 results in an increase in comfort as temperature variance is reduced, as well as a reduction in annual heating and cooling costs.

SHIELD doors and windows has 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 are 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 into 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.

SLIDING DOORS

\ Economical, low maintenance aluminium profile

\ Double glazed configurations with 9mm argon gas sealed units

\ Available in single (two-panel), stacking (three-panel, twin (centre opening four panels) or twin stacking (centre opening six panels) solutions

\ Corner gasket sealing

\ Twin dual sealed ball bearing rollers for superior smooth panel action are housed within high quality cassettes

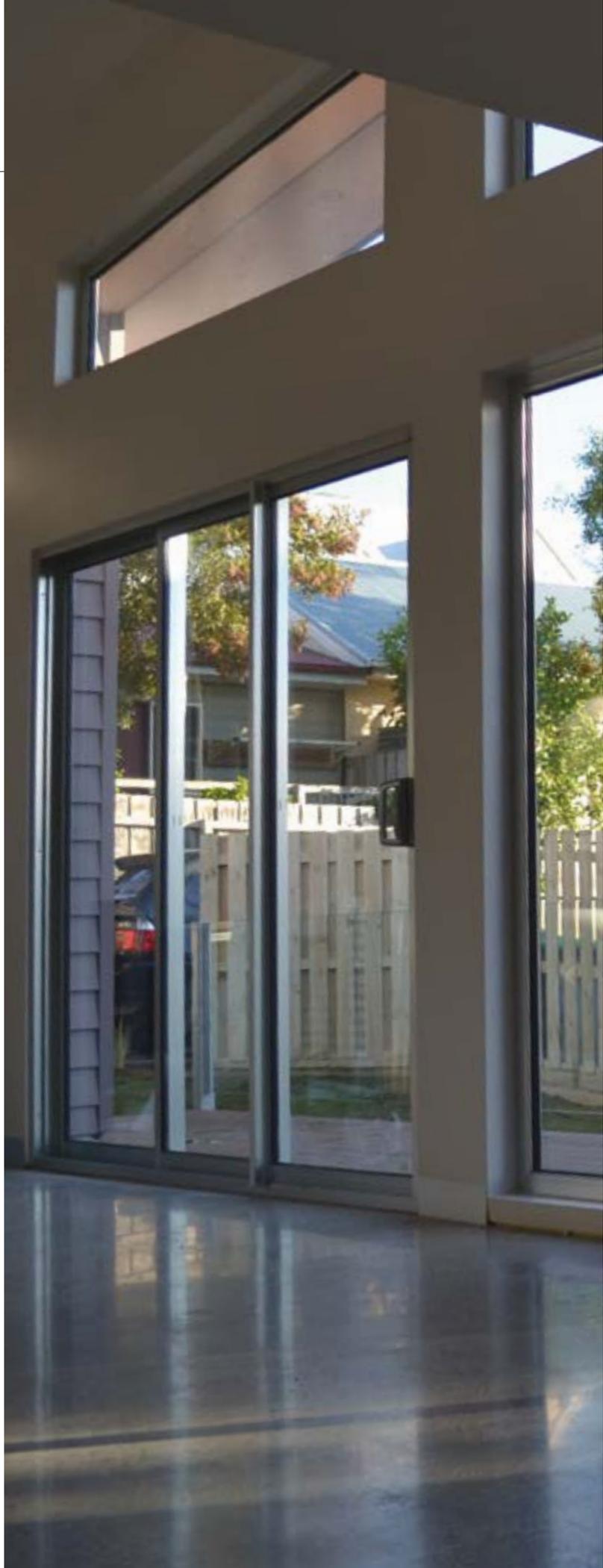
\ Flyscreen solutions available on all doors. Talk to your SHIELD representative for more information

\ Silicon wet seal gives 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 improving energy performance and reliability from 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 3.6 metres wide and custom doors can be produced up to 6 metres. SHIELD sliding doors can also be produced in different heights to fit both new and existing builds.

We also have available two ranges of doors, our high quality standard or premium offer. Our premium range has a commercial square profile with an integrated sliding flyscreen system and is produced with a 12mm argon gas filled gap. Consult with your SHIELD representative for more information.



BI-FOLD DOORS

\ Multiple sizing and door configurations to suit almost all patio openings

\ Commercial inspired design for increased resilience and minimal maintenance

\ Multiple sealing points for weather exposed settings

\ 12mm argon gas gap glazing configuration for increased energy efficiency

\ A rebatable bottom sill allows an obstruction free view

\ Available in standard sizes from 1.8 to large 5.4 metre openings

\ Silicon wet seal gives more durable design

\ Custom sizes are also available



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

The SHIELD range of bi-fold door settings are 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.

In addition a low maintenance design, bi-fold doors use an energy efficient glazing configuration with argon gas filled units 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 hinges
- \ 12mm argon gas units allow increased energy efficiency
- \ Keyed lock solution
- \ Silicon wet seal gives more durable design

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 easy fly screening solutions. Standard models are produced to open externally, but the French doors can also be customised to open internally, and combine easily with various windows settings to produce a customised opening.

Entry doors are a popular choice for external openings onto balconies, patios and back openings. With a standard single opening, entry doors – like French doors – can be paired with various window settings to developed customised door openings.



SLIDING WINDOWS

- \ Low maintenance profile design
- \ Dual, twin ball bearing rollers
- \ Slimline profile for unobstructed views
- \ Gasket corner seals for superior weather protection
- \ 4mm safety class - 9mm argon gas gap - 4mm safety glass glazing configuration as standard
- \ Flush locking system for superior security
- \ Anti-lift sash for security
- \ Customised designs available
- \ Sliding flyscreen allowing for servery style windows
- \ Silicon wet seal gives 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 form 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 bushfire 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

\ Push out sash lock system based on European design

\ Energy efficient double glazed 4mm safety glass - 12mm argon gas gap - 4mm safety glass glazing configuration as standard with custom configurations also available

\ Dual locking mechanism for increased security and superior sash sealing

\ Retractable flyscreen options available

\ Winder/fixed flyscreen options available

\ Silicon wet seal gives more durable design

SHIELD's range of awning windows are valued for their stylish European look and energy efficient design.

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

OUR WINDOWS

SHIELD's range of windows includes fixed, bi-folds and bushfire zone inspired casement windows. As standalone or coupled with other window and door combinations, these windows can be customised to suit all openings.



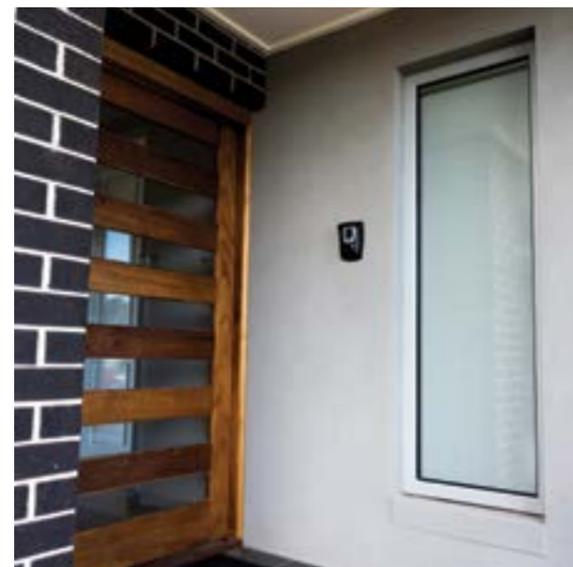
FIXED WINDOWS

Perfect for coupling to 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 4mm safety glass - 12mm argon gas gap - 4mm safety glass glazing configuration as standard

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

\ Silicon wet seal gives more durable design



BI-FOLD WINDOWS

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

\ Multiple locking and sealing points for a secure weatherproof design

\ Energy efficient double glazed 4mm safety glass - 12mm argon gas gap - 4mm safety glass glazing configuration as standard

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

\ Rebatable track system for low profile bottom track



CASEMENT WINDOWS

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

\ Energy efficient double glazed 4mm safety glass - 12mm argon gas gap - 4mm safety glass glazing configuration as standard

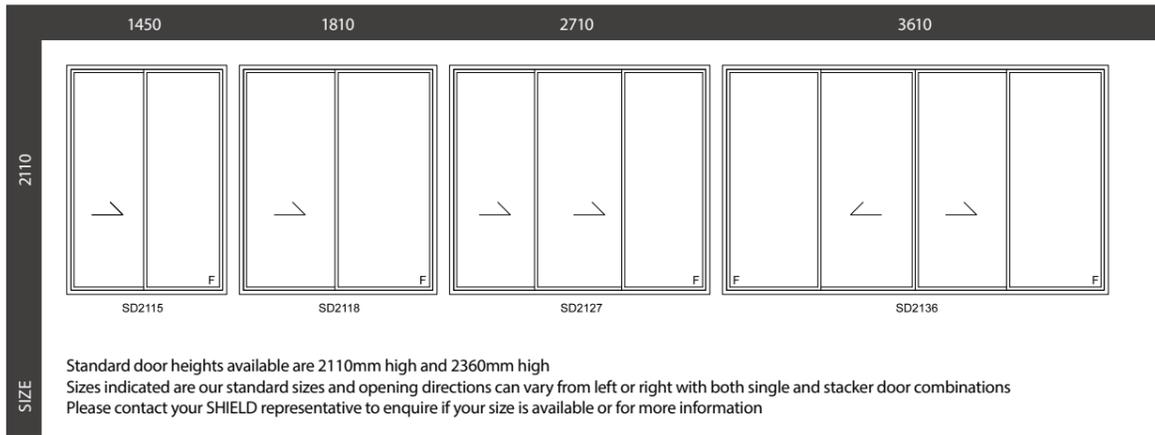
\ Mitred, European inspired, thermally improved design for increased energy efficiency and aesthetics

\ Silicon wet seal gives more durable design

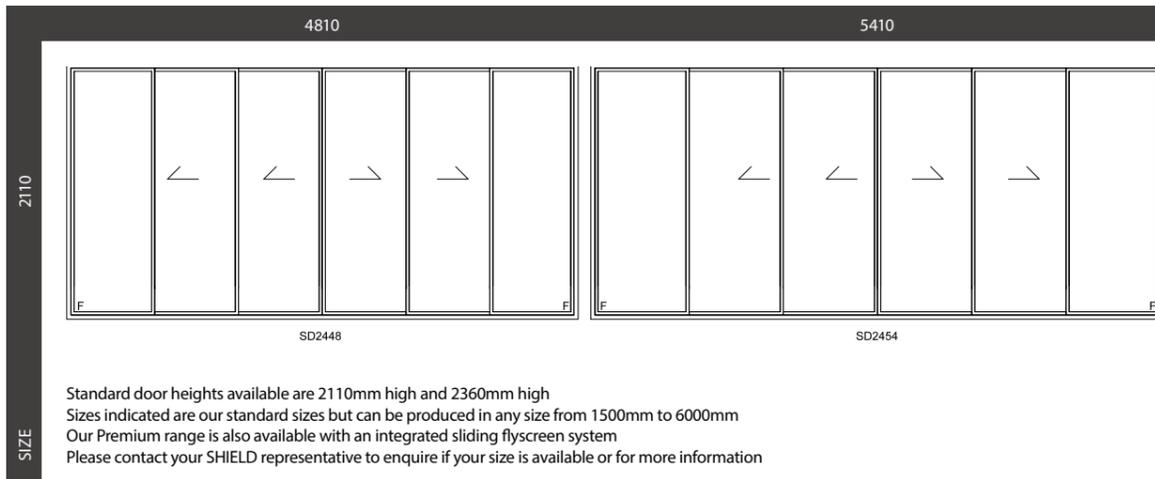


TECHNICAL
SPECIFICATION DRAWINGS

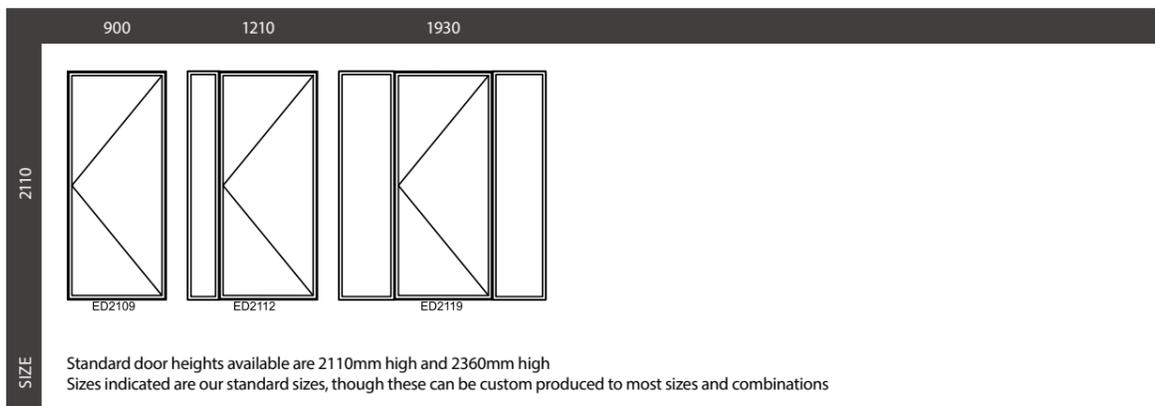
SLIDING DOORS – STANDARD



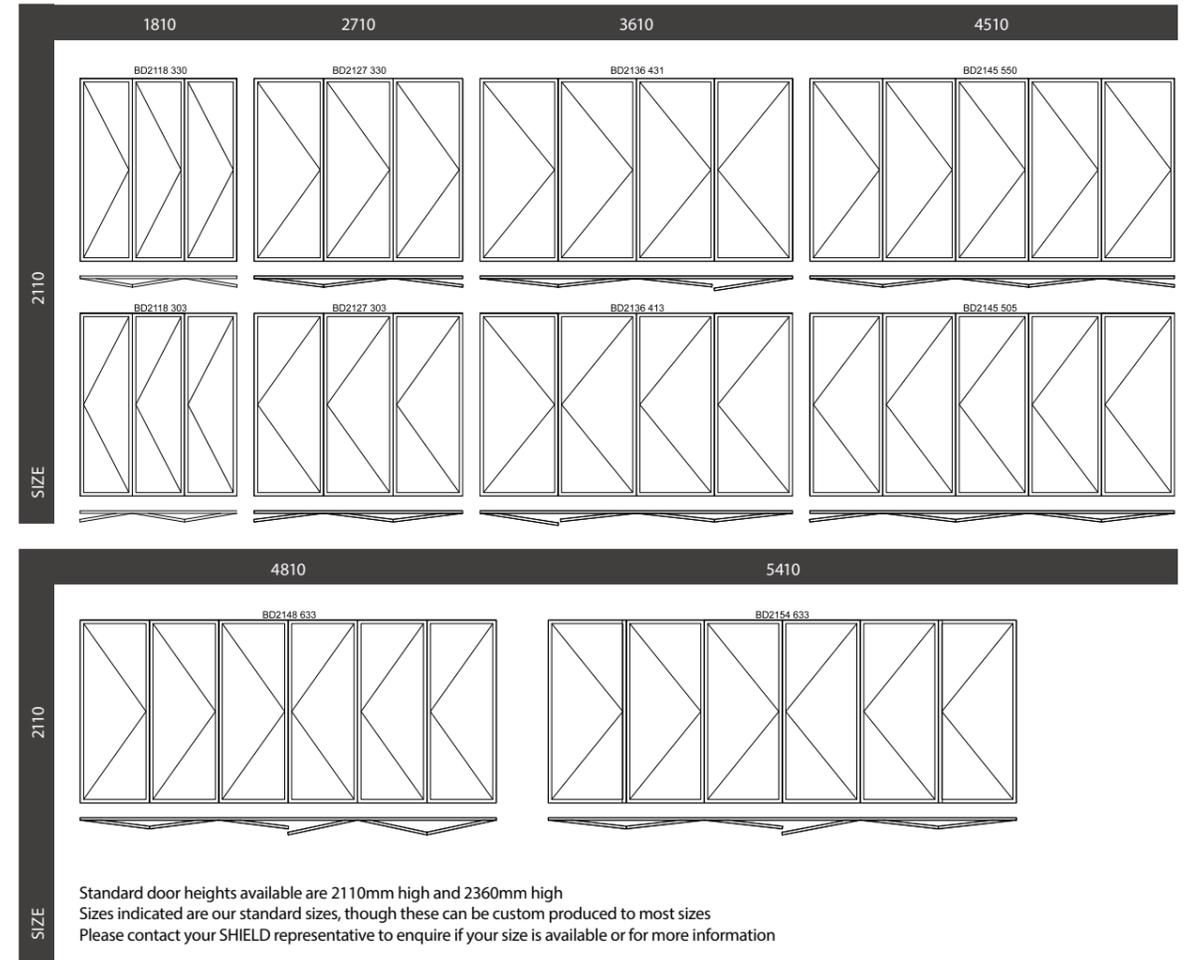
SLIDING DOORS – PREMIUM



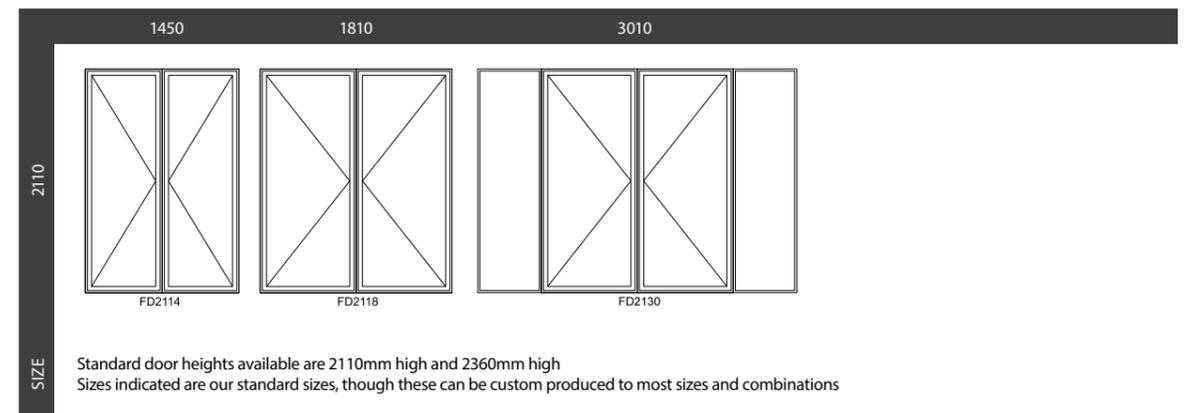
ENTRY DOORS



BI-FOLD DOOR



FRENCH DOORS



SLIDING WINDOWS

	610	850	1210	1450	1810	2050	2410
600	SW0606	SW0609	SW0612	SW0615	SW0618	SW0621	SW0624
1030	SW1006	SW1009	SW1012	SW1015	SW1018	SW1021	SW1024
1200	SW1206	SW1209	SW1212	SW1215	SW1218	SW1221	SW1224
1457	SW1506	SW1509	SW1512	SW1515	SW1518	SW1521	SW1524
1800	SW1806	SW1809	SW1812	SW1815	SW1818	SW1821	SW1824
2057	SW2106	SW2109	SW2112	SW2115	SW2118	SW2121	SW2124

SIZE

Sizes indicated are our standard sizes but we can custom produce to your specifications if you cannot find an opening above that suits
Please contact your SHIELD representative to enquire if your size is available or for more information

AWNING WINDOWS

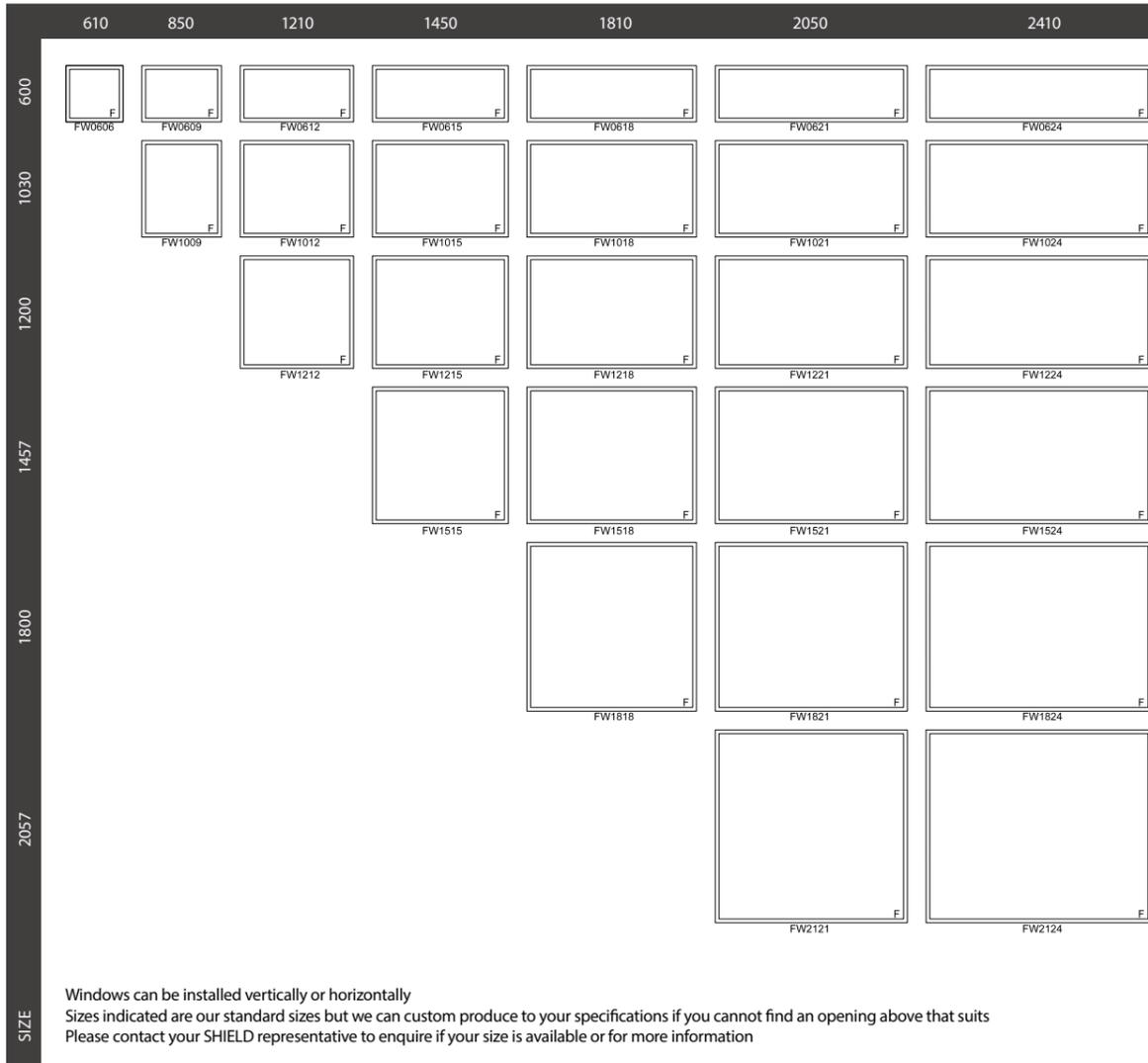
	610	850	1210	1450	1810	2050	2410
600	AW0606	AW0609	AW0612	AW0615	AW0618	AW0621	AW0624
1030	AW1006	AW1009	AW1012	AW1015	AW1018	AW1021	AW1024
1200	AW1206	AW1209	AW1212	AW1215	AW1218	AW1221	AW1224
1457	AW1506	AW1509	AW1512	AW1515	AW1518	AW1521	AW1524
1800	AW1806	AW1809	AW1812	AW1815	AW1818	AW1821	AW1824
2057	AW2106	AW2109	AW2112	AW2115	AW2118	AW2121	AW2124

SIZE

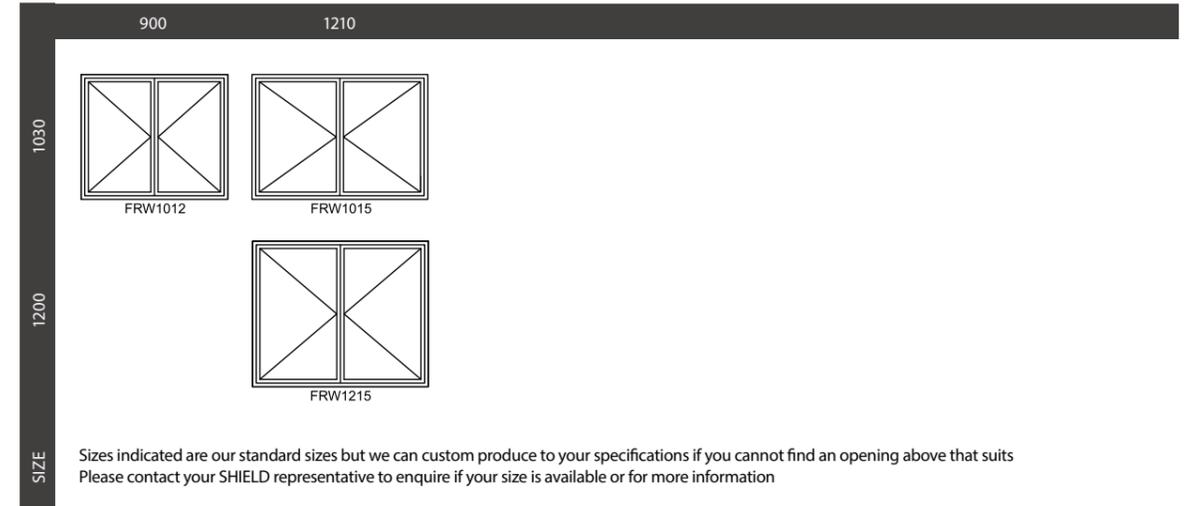
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TECHNICAL
SPECIFICATION DRAWINGS

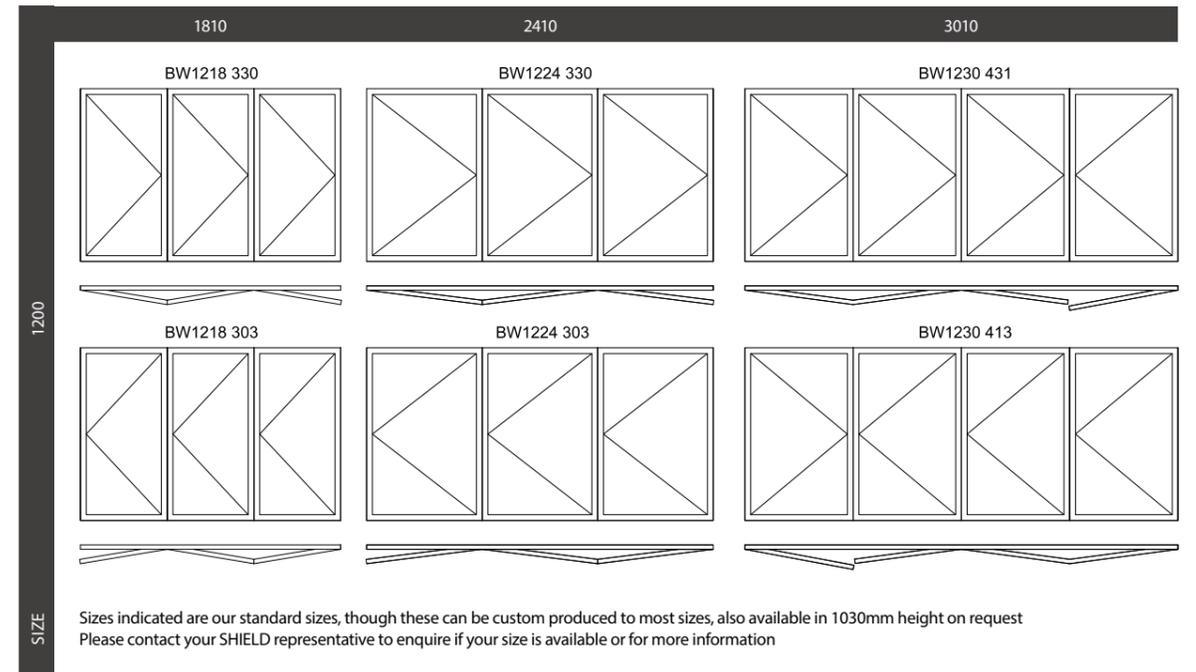
FIXED WINDOWS



FRENCH WINDOWS



BI-FOLD WINDOWS



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 the Uptons Website 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. Use of bristled brushes are 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.

