



SUSTAINABLE BUILDING RESOURCES Pty Ltd

TILT TURN WINDOW AND DOOR SYSTEMS



Peace of Mind with Style

At Sustainable Building Resources, we think outside the frame. Since every one of our windows and doors are custom made to your specifications, we are able to accommodate your individual requests, no matter what size, colour or shape. SBR delivers!

SBR Windows and Doors are manufactured in Germany by Fauser Fensterbau GmbH, an established, family owned company, with a reputation for quality products and satisfied customers over the past 50 years.

SBR custom windows and doors can be built in UPVC, Wood, Aluminum, Aluminum-Clad Wood, and Bronze-Clad Wood.

We think we offer the best insulated and highest quality windows & doors as well as sliding & folding doors available in Australia today.

- We use as standard toughened double glazed units:
4 mm glas/18 mm Argon filled space/4mm low E coated glass with an U-Value of 1.1 (R 0.91) .
- Our windows achieve an Ug Value of 1.3 (R 0.77) (frame + glas) compared to 5.6 (R 0.17) for an average Australian window.

We can do even better if you want us to!

Tilt & Turn operation explained

Tilt & Turn windows and doors have been the standard in Germany and other European countries for the past 40 years.

T & T windows combine functionality with security. All functions are one-handed, one move operated. It's easy and it is safe.

The multi-point locking mechanism also keeps the sash/frame from twisting or bending.

Our T & T windows and doors will therefore be kept straight and functional for many years to come. Unlike traditional windows, the turn & tilt hardware allows the window to open completely for a clear exit in an emergency.



Closed Position

A multi point locking mechanism with up to 7 cam locks for the (A 3) burglar-proof security level keeps the sash tightly locked into its frame. Wind & Rain resistance: tested and certified for loads of up to 300 N ($\text{kg}\cdot\text{m}/\text{s}^2$; N6 rating). This translates to resisting a 300 km/hr. storm. This makes this the most cyclone proof window available in Australia today.

Tilt Position

Tilted inwards on top for optimal, draught-free ventilation. This opening position is still secured against intruders, leaving you and your property safely protected. You can leave the windows tilted open even in rain, (tilted approximately 150 mm (5.9") inwards).

For Ventilation: A traditional open window often causes a draught due to the direct path of the outside wind into the room. With a turn & tilt window, the outside air is channelled through the sides of the window, while hotter air escapes through the top. This process allows efficient air circulation without the draught.



Turn Position

Windows turn completely open, left or right. Depending on the position of the window in relationship to the inside wall, they can be opened up to 180 degree, completely against the inside wall.

For Ease of Cleaning: By swinging the window inward into the room, both glass surfaces can be easily and safely cleaned on every floor level.

German window & door systems.

Proven quality - unsurpassed insulation & security

Timber, UPVC, Timber Aluminium, Timber Bronze, and Thermally broken Aluminium.

We offer solutions.

"Fauser" Windows and Doors are custom made in Germany to your exact specifications. This high-tech and well designed window and door system can be customized to meet most demands in modern construction. Easy to install, this is the most versatile replacement window available



You let us know what your concerns are and our team will design a window and doors solution which addresses all of the issues at hand! Be it energy savings, security issues, noise pollution, finding the correct design for new construction, figuring the correct design for historical restoration or just the need for a high quality product which is designed and built to last a life time with a minimum amount of maintenance.

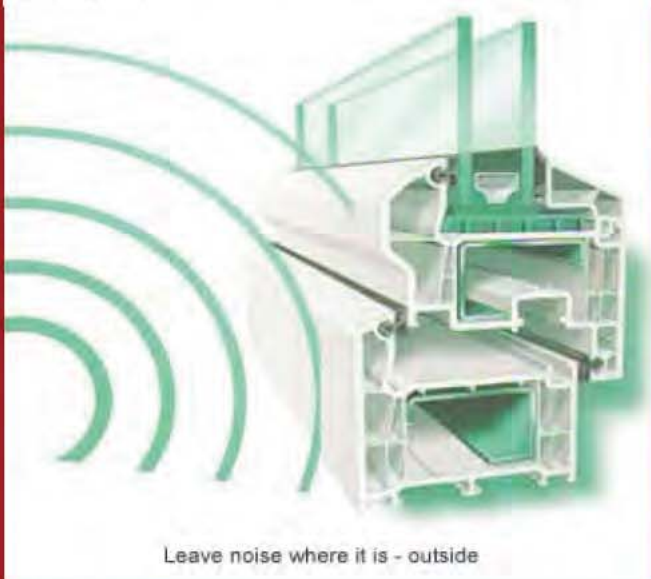
We have the solutions!

Combine elegance, practicality and high insulation values with our "Fauser" window and door system. Burglar proof windows and doors, bullet resistant windows and doors. Windows with built-in rolling shutters and roll-up fly screens. The burglar proof security windows will put your mind at ease while doing away with window bars and other mechanical safeguards.

This window system can be manufactured in steel reinforced UPVC, aluminum, wood and aluminum clad wood! The aluminum line can be ordered anodized or powder coated to any RAL color. Wooden windows and doors are made of Meranty (African mahogany), Framire (African light oak) or Swedish hemlock/fir. Other wood species are possible.



Fauser windows and doors are constructed to "old world" quality standards, by professional craftsman and technicians.



OUR WINDOWS ARE MANUFACTURED IN:

Solid Timber

Made to order in your choice of timber, colour and style



Aluminium- Bronze Timber

Warm Timber inside and low maintenance Aluminium or Bronze outside



U-PVC

New generation top quality plastic no painting ever



Thermally broken Aluminium

We use Heroal profiles powder coated to any RAL colour



DETAIL & SECTIONS

Timber Windows

Uw 0.8 - 1.3 W/(m²K)



Aluminium- Bronze/ Timber

Elegance 70

Uw 0.8 - 1.3 W/(m²K)



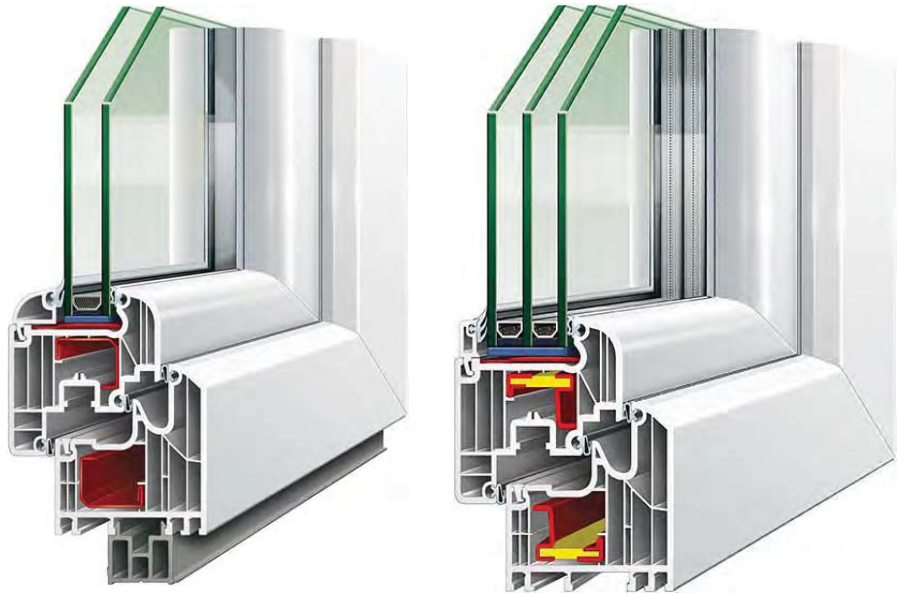
Uniform 500 S

Uw 0.73 - 1.1 W/(m²K)



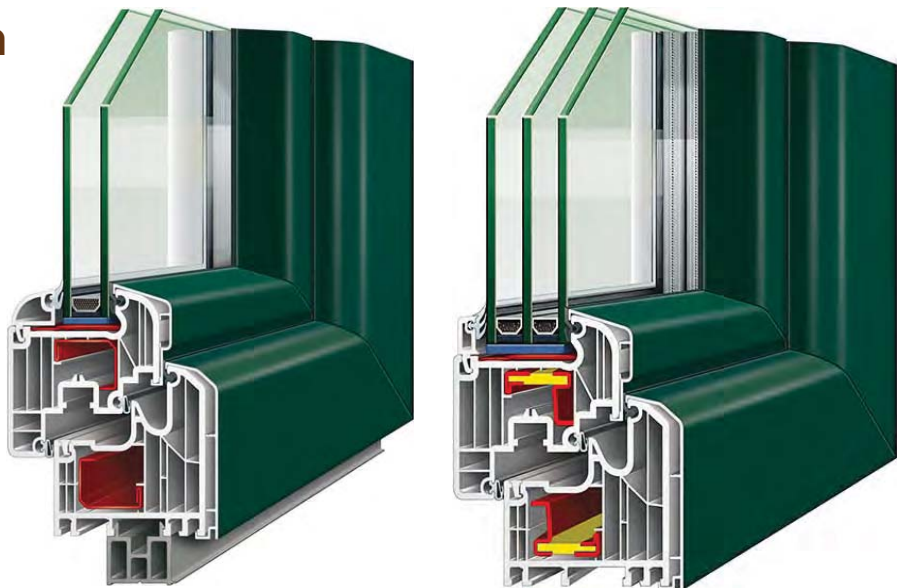
DETAIL & SECTIONS

U-PVC Windows



U-PVC / Aluminium Windows

Uw 0.75 - 1.3 W/(m²K)

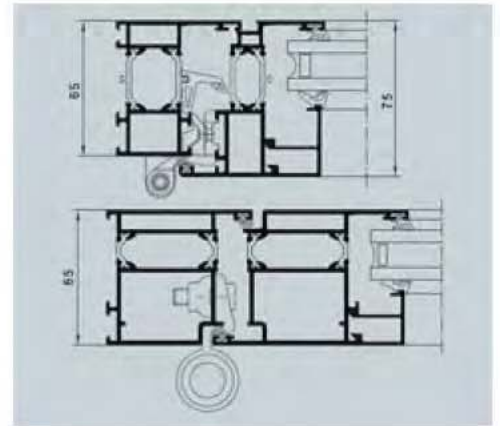


DETAIL & SECTIONS

Thermally broken Aluminium Windows

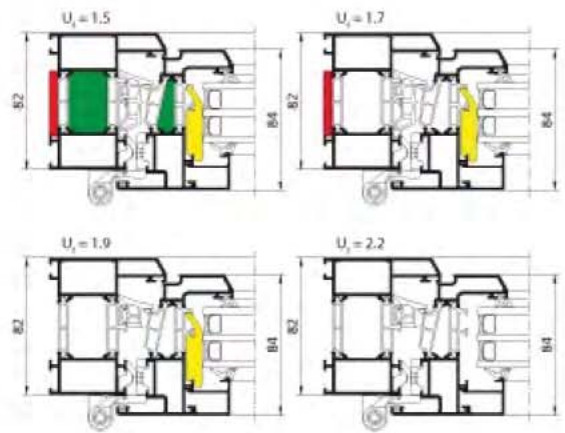
065

Uw 1,9 - 3.2 W/(m²K)



090 ES

Uw 1,0-1,6 W/(m²K)



Why double-glazed high quality windows in cool & tropical climate?.

There are many reasons to choose SBR Window & Door systems over traditional styles:

Comfort: Your house will stay cooler in summer and much warmer in winter .

Savings: You will see an instant saving on your cooling and heating bill of up to 40%. Savings in cooling and heating will be greater than the extra initial cost over the life-time of the windows.

Cyclones: Standard SBR Windows and doors are by far the most cyclone proof windows available in Australia today. Extra security options are available (see below) .

Wind & Rain resistance: tested and certified for loads of up to 300N (kg-m/s²) This translates to **300 km/hr storm gust.**

Made to last: The worlds most advanced construction, materials and hardware used ensure perfect functioning for a very long time saving you replacement costs.

Sustainable timbers: Only timbers from sustainable sources are chosen.

Finished: SBR windows & doors come complete: glazed, varnished and fitted with all hardware, ready to be built in. No costly painting and fitting of hardware necessary.

Varnishes: SBR windows & doors are flooded, dipped and sprayed with water based environment friendly breathable varnishes.

Toughened glass: SBR windows & doors are all fitted with toughened glass which is up to 5 times stronger than ordinary float glass & will withstand most cyclone debris.

Top energy rating: Our standard double glazing with 4mm clear/18mm Argon filled space/ 4mm low E coated glass has a Ug Value of 1.1, the highest rating for any double glazing in Australia. We can even do better if asked for.

Noise control: Excellent solutions for noise control : dB reductions range from 32 dB (our standard) up to 51 dB. Every additional 3 dB reduces the noise level by 50%.

Security: Thoroughly thought-out security concept: multi-locking cams metal to metal as standard. Standard to Burglar Proof, Bullet Resistant and Explosion Resistant /Blast Resistant possible.

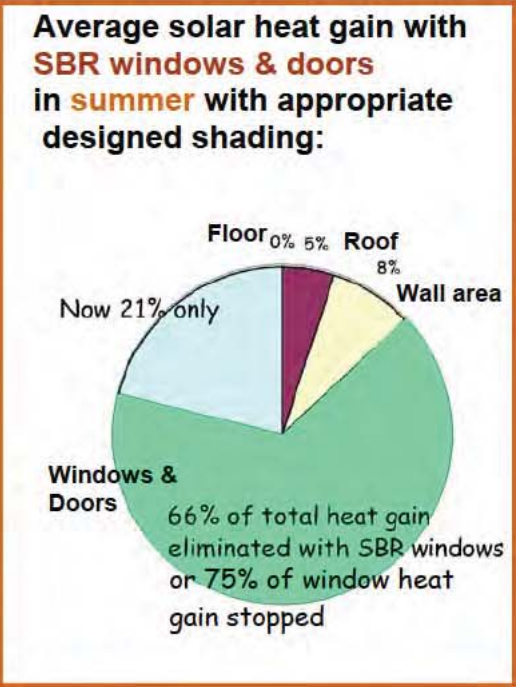
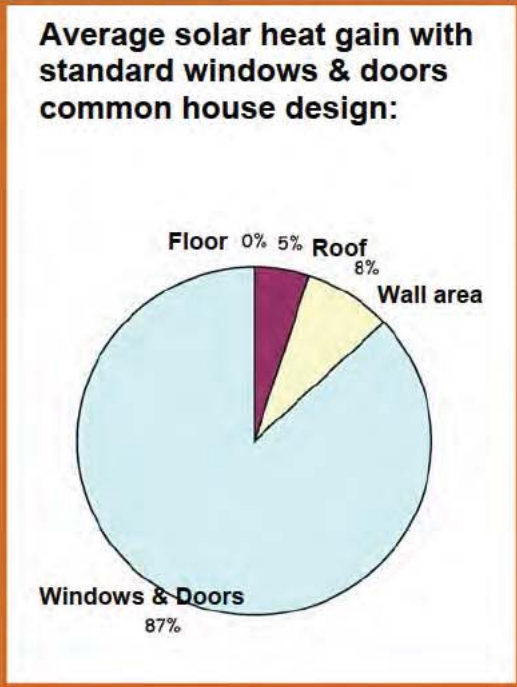
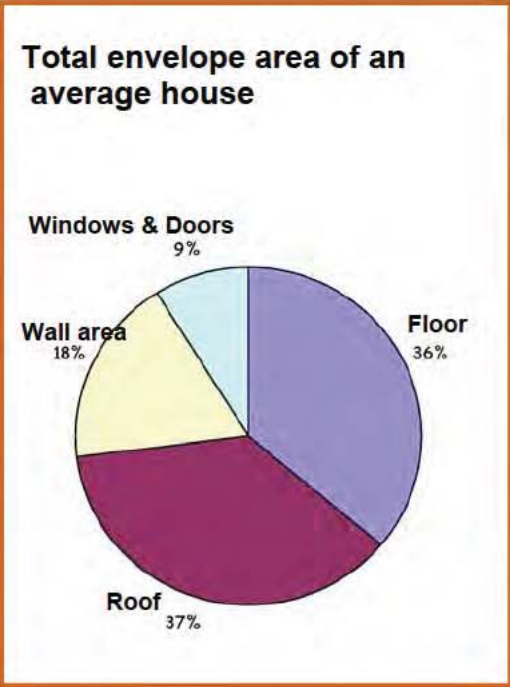
Custom made: No standard sizes. Every window is custom made to your design.

- ◆ **Double glazed windows are not all equal. Properties differ greatly.**
- ◆ **Insulation is better the lower the U-Value or the higher the R-Value.**
- ◆ **For example: Insulation Value (U-value) can range from 5.8 (worst) to 1.4 (best standard in Australia).**
- ◆ **All SBR windows have a minimum. U-Value of 1.3 as standard.**
- ◆ **SBR windows can achieve values of up to U 0.7 with 72% translucency still available.**

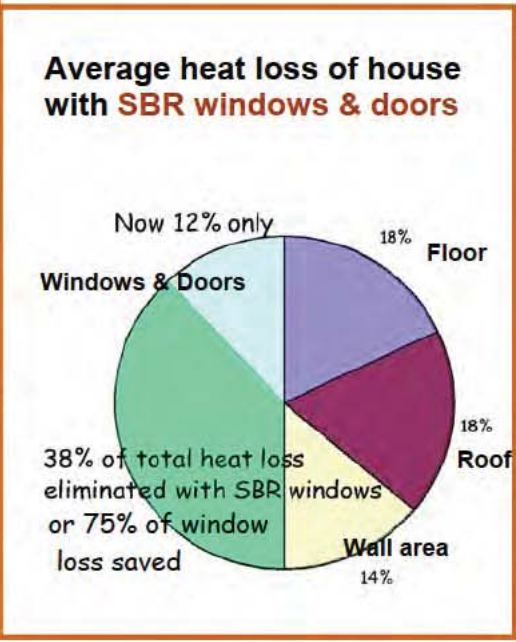
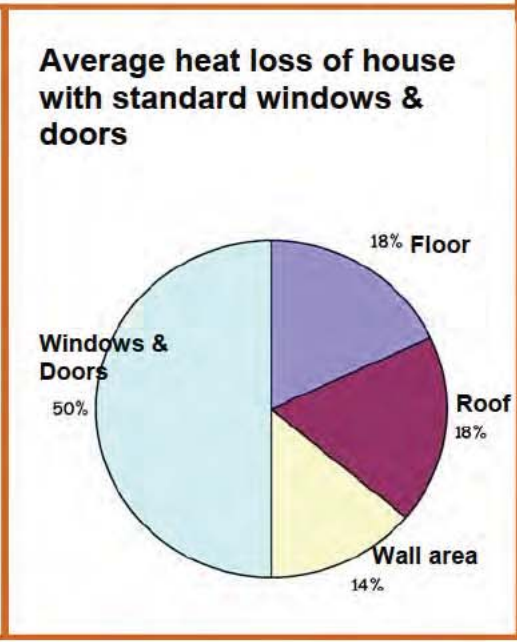
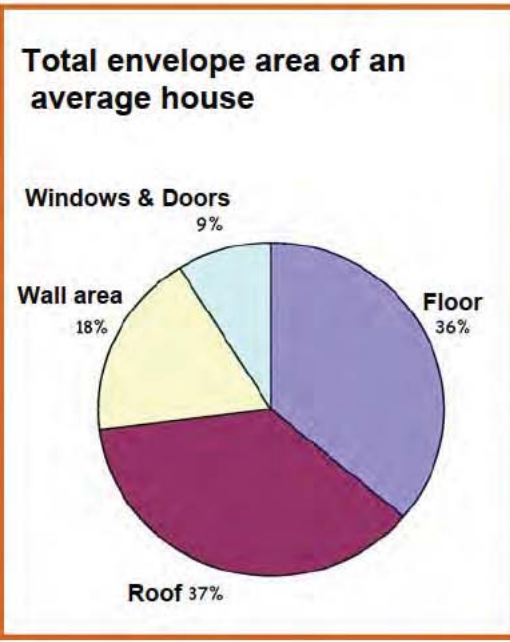
THE FOLLOWING CHARTS GIVE AN INDICATION OF THE ADVANTAGES SBR TILT TURN WINDOWS & DOORS CAN OFFER COMPARED TO AVERAGE WINDOW & DOOR SYSTEMS.

Double glazed windows are not all equal. Insulation properties (U-values) can range from 5.8 (worst) to 1.3 (best standard in Australia) with SBR windows.

THE SKIN OF YOUR HOUSE :	SOLAR HEAT GAIN IN SUMMER:	
	STANDARD	SBR WINDOWS



THE SKIN OF YOUR HOUSE :	HEAT LOSS IN WINTER:	
	STANDARD	SBR WINDOWS



Please note that these charts are estimated for average houses only using data from WERS and the Australian Glass & Glazing Association. Accurate comparisons can only be made with exact matching of design, materials, components and orientation.

WINDOWS GALLERY



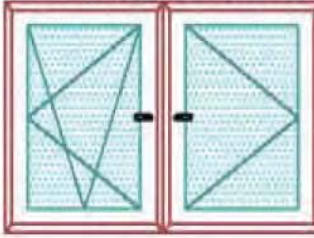
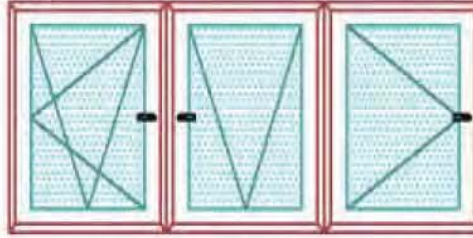
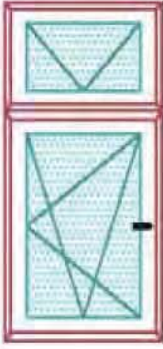
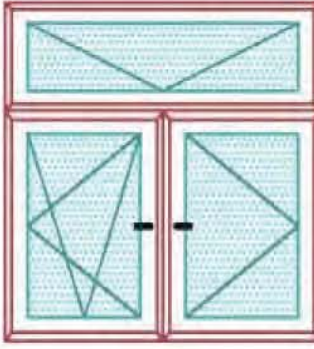
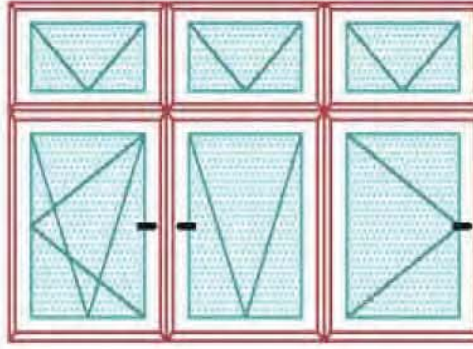


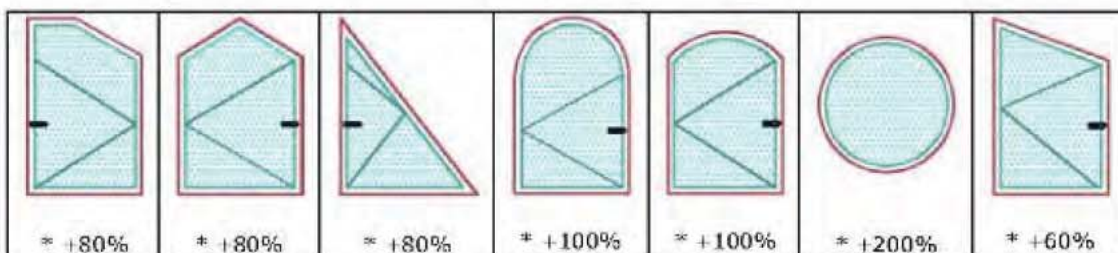
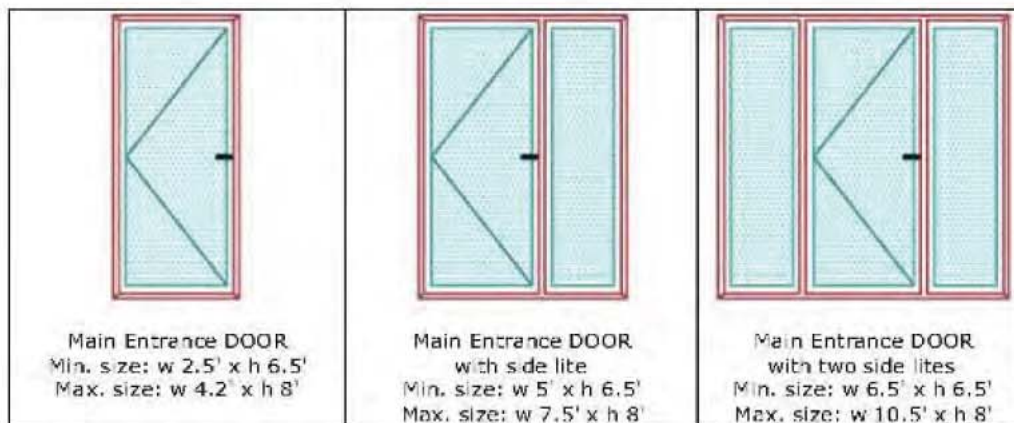
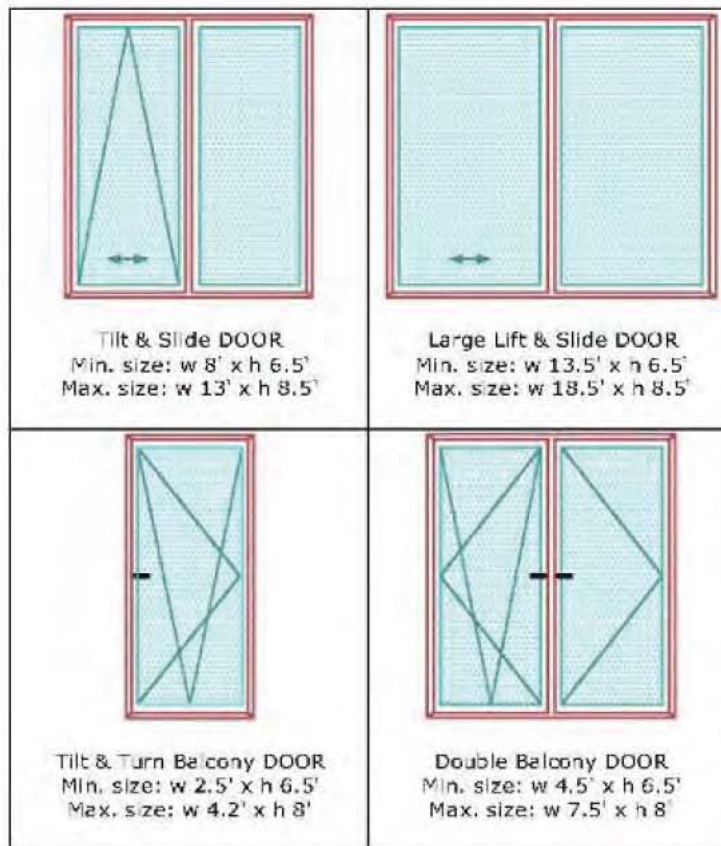


Please note:

The following window drawings use American representative standards to show window opening directions. Australian representations are exactly mirrored so the base of the triangle would mark the hinge side while the tip would mark the handle side on an Australian drawing.

SBR Window and Door Configurations

 <p>Fixed WINDOW element: Min. size: w 2' x h 2' Max. size: w 10' x h 8'</p>	<p>?? The samples below indicate only the most used configurations.</p> <p>?? Other configurations and combinations are possible.</p> <p>?? All opening windows can be ordered with tilt & turn, tilt only or turn only operation.</p> <p>?? The maximum window sizes are based on regular glazing. Higher security levels decrease size.</p> <p>?? Security glazing, because of the increasing weight, has to be calculated individually.</p> <p>?? The turn operation can be designed with left or right opening direction.</p> <p>?? Transoms can be at the bottom or at the top of the window.</p> <p>?? Each window or door can be designed with mullions and muntins to your specification.</p> <p>For architectural design elements, please refer to the "Architectural Restoration" page</p>	
 <p>Single WINDOW element Min. size: w 2' x h 2' Max. size: w 5' x h 5.4'</p>	 <p>Double WINDOW element Min. size: w 3' x h 2' Max. size: w 9' x h 5.4'</p>	 <p>Triple WINDOW element Min. size: w 6' x h 2' Max. size: w 10' x h 5.4'</p>
 <p>Single WINDOW element with transom. Min. size: w 2' x h 4.5' Max. size: w 5' x h 8'</p>	 <p>Double WINDOW element with transom. Min. size: w 3' x h 4.5' Max. size: w 9' x h 8'</p>	 <p>Triple WINDOW element with transom. Min. size: w 6' x h 4.5' Max. size: w 10' x h 8'</p>



* Indicates the additional cost in % for these special window designs.

Please contact us for window & door configurations not displayed here. As all our products are custom made, we will most likely be able to come close to your desired window and door design

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