



# Keep the Outside Outside Forever



Well-made, well-specified and carefully designed to enhance the value of your home, Fenesta windows and doors improve the façade and indoor aesthetics and elements of architectural style that alter the character of bedrooms, the living room, the dining room, the study and even the kitchen and bathrooms. They are stylish, elegant looking, smooth to touch and effortless to operate. Moreover, they insulate homes from noise, rain, dust and pollution, transforming your abode into a peaceful retreat.

With these wide-ranging skills, India's leading Windows and Doors Brand Fenesta, produces The World's Finest Windows and Doors for The World's Finest Homes.

# Innovations

## Window Innovations

The brand Fenesta is built around you. Built on a heritage of quality and innovation, we are continuously leading the industry with product design and function. Each product is made to order, one at a time to meet your exact specifications. With our customisation capabilities, exclusive innovations, high performance and energy efficient options and our unmatched personal service at every point in the process, you will be able to find beautiful windows and doors for your dream project.

Some of our major innovations are as:

### Innovation # 1

## The Rain Track – Barrier against Extreme Monsoon

Conventional 'face drainage' mechanism

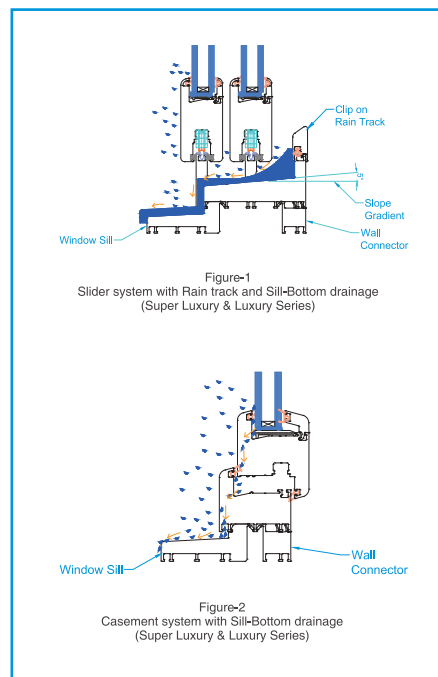
In coastal areas, 'monsoon precipitation rates' are extremely high. Worse, the monsoon storms arrive on the back of high velocity winds. The combined force of the wind and the rain annihilates conventional windows. The force is magnified in high-rise buildings, where rain spears in at a sharp 45° angle, accompanied by a gale storm.

### Conventional solutions don't work

The 'face drainage' mechanism in conventional uPVC windows is inadequate for heavy monsoon areas as the force of the wind pushes the rainwater indoors (see illustration).

### Fenesta has engineered three innovations to keep the rain out

- **Rain track:** An elevated section clipped on the inside track of the window functions like a dam. It captures rainwater and drains it out
- **Sill arrangement:** This special system prevents air pressure from pushing the rainwater indoors. Instead, the rainwater flows down vertically, at some distance from the outer wall
- **Gradient slope:** A track at a downward slope ensures accumulated rainwater flows out



### Innovation # 2

## The Hurricane Bar - Barrier against Strong Winds

Wind speeds in India are much higher than those of other parts of the world (see map). Along the coast, in the east and the west, wind speeds touch 200 kmph, the equivalent of 2000 Pascal wind loads.

In these conditions, conventional windows rattle and whistle.

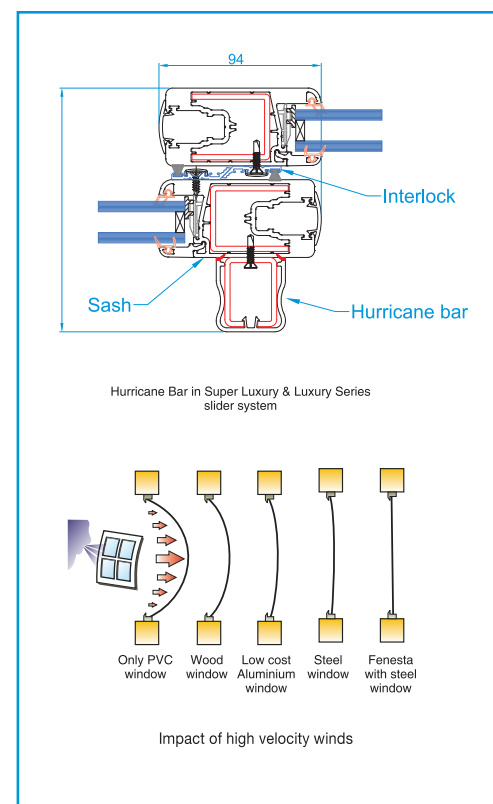
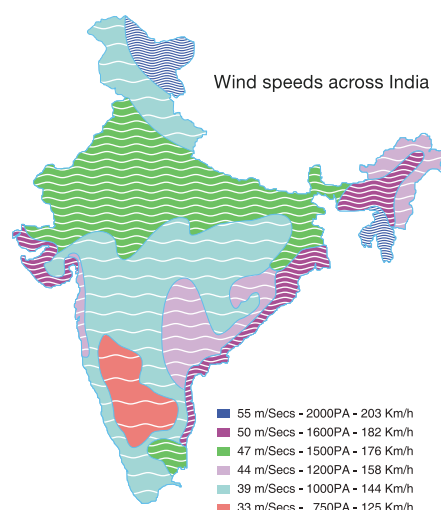
It gets worse in high-rise buildings. What appears to be a mild breeze on the ground floor becomes a gale force in the upper reaches of a tall building. Only Fenesta windows can cope; conventional ones cannot.

### Fenesta engineers an air tight solution

Fenesta Super Luxury & Luxury Series have broad sections reinforced with steel and further strengthened with a special Hurricane Bar.

The Hurricane Bar doubles up as a handle.

Multiple seals stop air ingress. No more whistling and rattling sounds even at 3000 Pascal wind loads.



# Innovations

## Window Innovations

### Innovation # 3

#### The Tropical Formulation Barrier Against Indian Weather

India happens to be situated in one of the highest UV receiving regions of the world. Solar radiation is far higher in India than other parts of the world.

India also experiences climatic extremes. In summers, temperatures soar as high as 50°C in the northern parts of Gangetic Plains, Rajasthan and Gujarat. In winters, temperatures in the hills often fall below freezing point.

To withstand the severity of these conditions, Fenesta has created a special uPVC blend, a unique tropical formulation that stands up to extreme radiation year after year.

The Fenesta uPVC blend has won BSI approval under extreme weather conditions simulated for 6000 hours. For Europe, a similar test is carried out for only 4000 hours.

##### Special additives: The Fenesta uPVC innovation for India

- **Titanium Dioxide:** High dosage of TiO<sub>2</sub> results in ongoing colour stability in the face of intense ultraviolet rays. Fenesta takes a color fading guarantee ( $\Delta E < 5$ ), not perceptible to the naked eye
- **Impact modifiers:** These impart additional strength to window profiles, giving them the necessary muscle to carry huge loads



Fenesta slider door and combination of fixed and slider door in Walnut finish



Global Radiation in kJ/year  
Global radiation: Note the intensity in India  
Data provided by the Surface Radiation Budget Project at NASA Langley Research Center.

### Innovation # 4

#### The Fenesta Customization Made only for You

Fenesta window systems are modular in nature like a Lego set. Combinations of different components make possible countless designs, shapes and sizes, from the modern to the traditional.

##### Seamless combinations of sliders and casements

This special feature integrates fixed and sliding windows in a single plane without any thick sight lines.

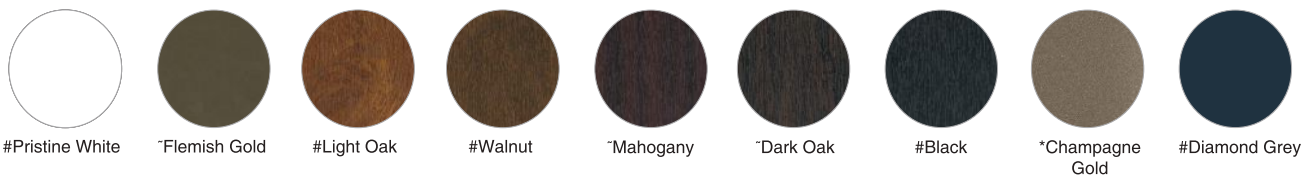
##### Large sizes

Modern homes have fewer walls and more windows. Fenesta frames can be made to stretch from the floor to the ceiling and span balconies, adding a sense of space to living areas. The strength of a window is determined more by the size of the reinforcement and less by the thickness of the profile. The Fenesta Villa Window too presents a rare combination of style, substance, sealing and security in sizes that span walls.

##### Design freedom

Extend your design palette, from casements and sliders to combinations of fixed, sliders and casements, tilt & turn windows, bay windows and even corner windows with glass-to-glass joints.

##### uPVC and Aluminium Colour Palette

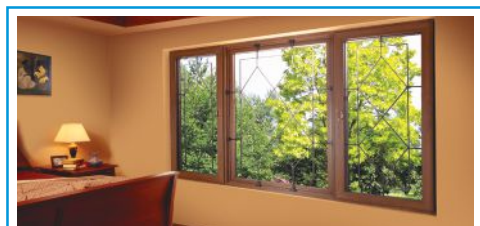


#Available in uPVC & Aluminium both | ^Available in uPVC | \*Available in Aluminium.

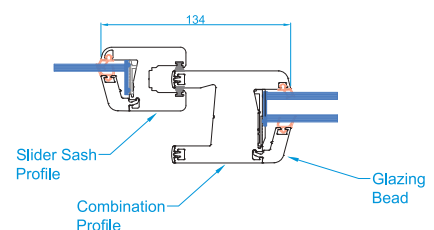
##### Solid Panel Door Colour Palette



#Available in All Door Range | ^Available in both Engineered Wooden & Designer Door | \*\*Only Available in Engineered Wooden Door | \*Only Available in Hybrid Material Door.



Cross section of seamless combination of slider and casement window



# Innovations

## Window Innovations

### Innovation # 5

#### Energy Efficient – The Green Windows

“An energy saving window can save nearly 30% energy”, says Prof. N.K. Bansal, Center of Energy Studies, IIT Delhi.

In his expert view “an energy saving window consists of (i) a heat insulating framing material, (ii) double-glazing and (iii) proper sealing between wall and window as well as between the opening and fixed framing of the windows.” Fenesta is modeled on these precise lines.

**Fenesta:** The anatomy of a green window

- **Heat insulating uPVC frame:** uPVC is a poor conductor of heat unlike windows made of steel and non-thermal break aluminium that have a higher U-value
- **Better sealing:** Fenesta windows are fusion welded and can be equipped with a multiple-point locking system for excellent sealing
- **Sealing between wall and window:** Fenesta uses silicone sealants to seal all gaps between the walls and windows for better insulation
- **Glazing:** Double glass (or even triple glass in some cases) further improves insulation

**Environment friendly**

- uPVC has a lower environmental impact in its production

| Critical volumes for the production of different materials |                           |                           |
|------------------------------------------------------------|---------------------------|---------------------------|
| Material                                                   | m <sup>3</sup> of air/Kgs | dm <sup>3</sup> water/Kgs |
| PVC                                                        | 700                       | 3000                      |
| Steel                                                      | 3400                      | 4600                      |
| Low Cost Aluminium                                         | 9320                      | 27700                     |

Source: Environmentally friendly packaging in the future. Stichting Milieudefensie (NI), 1991

| Material                    | U-value (Watt/m <sup>2</sup> °K) |
|-----------------------------|----------------------------------|
| Timber                      | 2.66                             |
| Non-Thermal break Aluminium | 4.92                             |
| PVC                         | 2.60                             |

Comparison of thermal properties of various window framing materials

| Energy used in Gjoules/ton |            |
|----------------------------|------------|
| Material                   | Energy use |
| PVC                        | 53         |
| Steel                      | 30         |
| Low Cost Aluminium         | 200        |

Note: Low Cost Aluminium is extruded cold which is more energy intensive. Source: Environmentally friendly packaging in the future. Stichting Milieudefensie (NI), 1991



Fenesta Slider Door in Mahogany finish

- uPVC reuse is the norm
- Fenesta uPVC blend (strengthened with special additives) does not require any painting, eliminating the consumption of paints that can emit harmful chemicals
- Long life: The life of a Fenesta uPVC window is equivalent to the life of a building

**Green Building Certification**

Fenesta windows can contribute to both LEED and GRIHA credit points.

### Innovation # 6

#### The Villa Window

Fenesta technology has made the traditional Indian window the best it can ever be. The Villa Window is the world's first twin-sash uPVC casement window system that integrates an insect mesh and a security grill with airtight protection against noise, rain and rising energy costs.

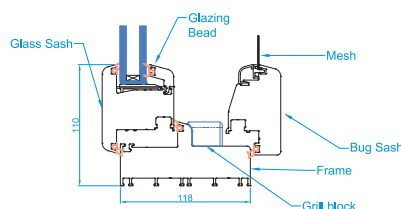
**Integrated grill**

The security grill is an absolute necessity in homes across India. In traditional windows, the grill is screwed to the masonry whereas in the Villa Window, it is integrated with clamps making homes much safer.

**Protection from insects and mosquitoes**

In India, protection against mosquitoes is a universal window requirement. An insect mesh in the inner sash of the Villa Window system blocks the entry of mosquitoes and insects when you open the window for ventilation.

This is the first uPVC casement window in the world to accommodate a grill in the same frame as a mesh.



Cross Section of Villa Window with integrated mesh and grill.

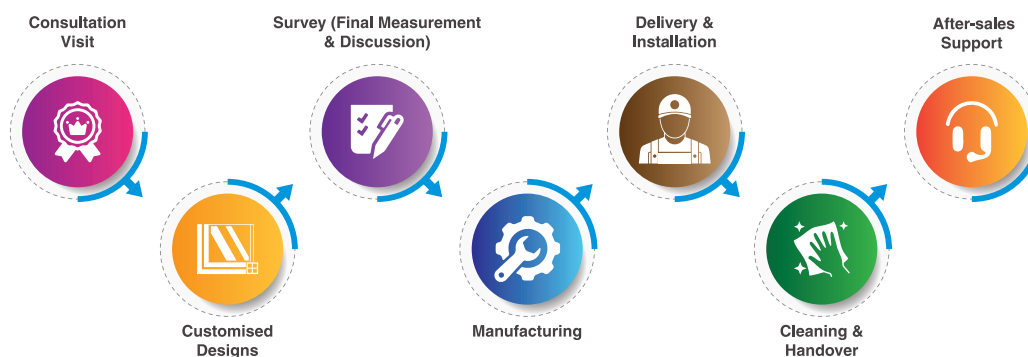


Fenesta Villa Window with security grill and bug mesh in Walnut finish



\*T&C Apply.

## Catering To All Your Needs With Our End-to-end Solution



### Stage I:

**Consultation Visit:** Our first step involves a consultation visit to assess your specific needs. Do you face challenges such as neighbourhood noise, dust, rain, heavy winds or insufficient sunlight affecting your space? Fenesta is here to address your concerns and find tailored solutions for you.

### Stage II:

**Customised Designs:** Fenesta's experts will recommend the most effective long-term solutions, ensuring that your windows are tailored to work best in your space for years to come.

### Stage III:

**Survey (final measurements & discussion):** This step involves precise measurements of each aperture and final approvals on selections made by the customer.

### Stage IV:

**Manufacturing:** Once your choices are confirmed, we proceed with the manufacturing of your customised windows/Doors.

### Stage V:

**Delivery & installation:** The windows arrive at your site at the appointed date. Installation is carried out once the civil work is complete. The installation process involves the use of anchor fasteners and sealants between the wall and the frame.

### Stage VI:

**Cleaning & Handover:** After the installation is complete, we thoroughly clean the installation premises. Our technicians will also provide a practical demonstration of each window to ensure your full understanding and satisfaction.

### Stage VII:

**After-sales Support:** Our customer service cell works for 365 days. You can **call us at 1800 102 9880 (Toll free)**, **74286 91568**, or **email at [response@fenesta.com](mailto:response@fenesta.com)** for any help that you require for smooth operations of your windows.

# Product

## The Fenesta Product Range - Windows and Doors



### The Villa Window

A rare combination of style and substance, the Villa Window when launched was the first to introduce a twin sash, bug mesh and a grill built in the system. This ensures enhanced security and ventilation while not allowing insects and mosquitoes inside.

Available in uPVC.

### The Tilt and Turn Window

Welcome more sunlight and ventilation inside your home with these Tilt & Turn windows. Featuring a sash that can tilt open at an angle from the top with hinges at the bottom or can swing inwards with hinges on the side. Advanced engineering facilitates both these operations with the simple turn of a single handle.

Available in uPVC and Aluminium.



### The Slider Window and Door

Featuring horizontal sashes fitted with rollers at the bottom, these windows optimize space with their swift sideways movement. Easy to open and shut, the slider gives you great ventilation and the widest view possible. Slider door is Available in threshold and non-threshold options.

Available in uPVC and Aluminium.

### The Casement Window

Featuring a sash that is hinged from the side on an outer frame that can open inwards or outwards. This ensures maximum ventilation in the room. Due to its double/triple glazing options, they enable better thermal and sound insulation as well. The windows come with multiple point locking systems and friction stay that ensures the window remains open in a fixed position even in the face of a stiff breeze.

Available in uPVC and Aluminium.



# Product

## The Fenesta Product Range - Windows and Doors



### The Slide & Fold Door

Nothing looks or works better in rooms overlooking gardens and terraces. Fenesta Slide and Fold Door can elegantly and effortlessly connect your inside space with the environment outside. Stylish, contemporary and elegant, they offer a unique slide and fold mechanism that can divide and join large openings effortlessly. Fusion-welded frame and a sash for strength ensure that their beauty stays ageless.

Available in uPVC and Aluminium.

### The Lift & Slide Door

Enjoy vast panoramic views with divider-less glass panes that offer superior insulation and enhanced security. Lift & slide technology can connect inside with outside with just a feather touch. Available in thermal break and non-thermal break variants.

Available in uPVC and Aluminium.



### Ultra Slim Slider Door

Enter a new dimension of elegance & sleekness with just 40 mm of interlock sightline which aligns the doors in perfect harmony with modern architectural designs.

Available in uPVC.

### Large Slider Door

Explore a new possibility with extended length and breadth (2000 mm x 4200 mm) along with adding exquisiteness to the environment with large slider doors which offers minimally visible sightlines of 30 mm for maximized visibility along with scoring high on functionalities.

Available in Aluminium.



# Product

## The Fenesta Product Range - Windows and Doors



### Slim Line Slider Door

Fenesta's range of Slimline Sliding Doors offers minimally visible aluminium sight lines of 25mm, which maximises the view you get. With a great balance of functionality and style, these Aluminium doors add exquisiteness to the façades they are used in.

Available in Aluminium.

### Aluminium One Side Fix One Side Railing Slider

Step into a world of sophistication and safety with our Aluminium sliding doors adorned with an integrated railing that not only elevates the aesthetics of your space but also offers unparalleled security with its sturdy build.

Available in Aluminium.



### 90° Corner Slider

Keeping in mind the styles of contemporary homes, Fenesta introduces the 90° Corner Slider system. It is perfect for use in corners of balcony, garden spaces and facades.

Available in uPVC and Aluminium



### Glass-to-Glass Window

Features a fixed window unit, where the glass panes meet at an angle of 90° and are neatly joined together without using any mullions.

Available in uPVC and Aluminium.



# Product

## The Fenesta Product Range - Windows and Doors



### Casement Door

Counted among the most popular door designs, it gives a classic look in even the most modern of settings. Designed to swing inwards or outwards with the twist of a handle, Casement Doors offer clear views of the other side. Above all, it's their picturesque profile that makes Casement Doors the preferred choice for many. These Doors are equipped with hook locks and 3D hinges which ensure smooth operation with safety.

Available in uPVC and Aluminium.

### Internal Door

Fenesta's Internal Doors are made of a special hybrid polymer. They are composite materials made of wood fibre and thermoplasts replacing traditional material, hence making them environment friendly. Hybrid polymer is very sturdy and makes the doors resistant to termite, water, moisture absorption, fire and wear & tear of weather. Unlike the old-style traditional doors, Fenesta Internal Doors are low maintenance, superior in quality and lasts longer.



### Designer Door

The Fenesta Designer door can be used at entrance, rooms, bathrooms, kitchen or anywhere else. The core is filled with a metal sheet and foam to enhance sound & thermal insulation and weather-endurance.

### Engineered Wooden Doors

Fenesta's range of Engineered Wooden Doors are factory made and completely customisable. These are perfect for both internal and external door applications. Taking inspiration from the traditional designs and combining it beautifully with the modern innovations, these Fenesta doors are truly a work of art.



# Project

## Fenesta Project Series



### Fenesta Premium Series

The Fenesta Premium Series is a value priced product suited to meet your needs for living room, bedroom and kitchen. Prepared from unique uPVC blend, this series is designed to handle wind loads upto 2000 Pascals, making it weather resistant, energy efficient, UV resistant, low maintenance and outlast building. Products made from Premium Series retain their shape and sheen for years together. Professional installation by the Fenesta installation team further ensures insulation against noise, dust and pollution.

Available in uPVC

### Slider Window System X-Section Sightline

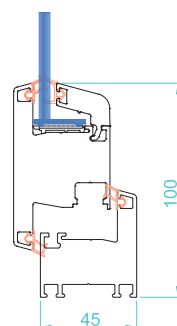
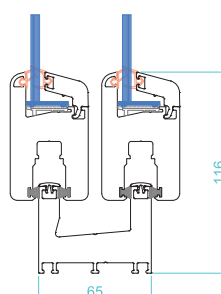
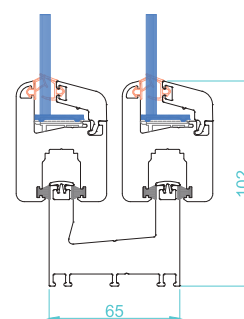
- 1 Differential wall thickness for corner finish
- 2 Tapered base for water drainage
- 3 Sleeker profiles / bolder sightline
- 4 Common profiles & accessories

### Slider Door System X-Section Sightline

- 1 Differential wall thickness for corner finish
- 2 Tapered base for water drainage
- 3 Sleeker sash / bold sightline
- 4 Common profiles & accessories

### Casement Window System X-Section Sightline

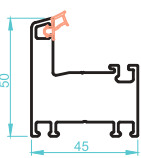
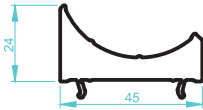
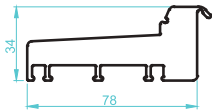
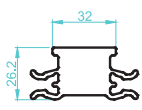
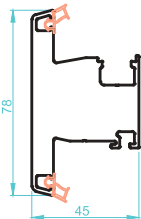
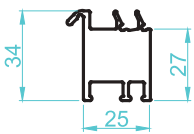
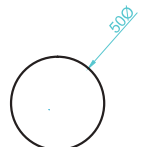
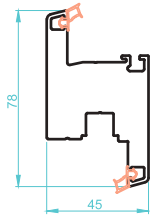
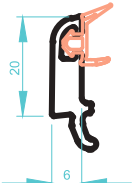
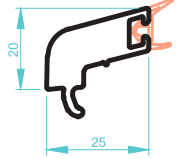
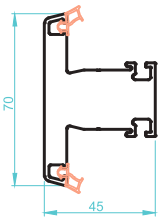
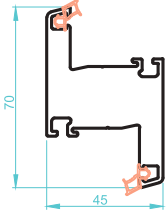
- 1 Euro-groove for standard hardware
- 2 Tapered base for water drainage
- 3 Higher wind load rating
- 4 Common profiles & accessories



# Portfolio

## Fenesta Premium Series Portfolio

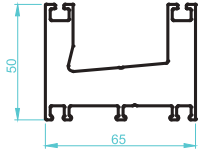
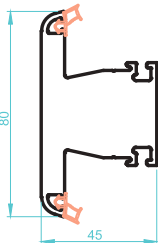
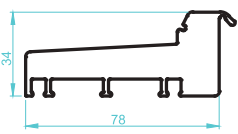
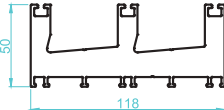
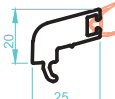
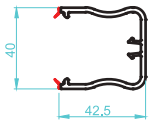
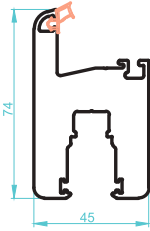
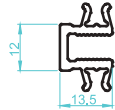
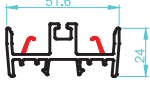
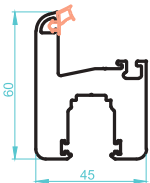
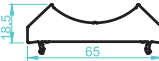
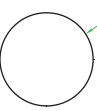
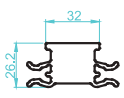
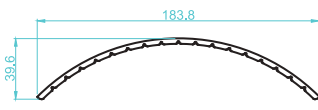
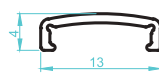
### CASEMENT WINDOWS

|                 | PROFILE                                                                                                                                 | ACCESSORIES                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                 |                                                                                                                                        |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| OUTER FRAMES    |  <p>Casement - Outer Frame<br/>Drawing No - C45PF2</p> |  <p>BB Adaptor<br/>Drawing No - C45PO1</p>                                                                                                                                                                                                                                                                                                      |  <p>Sill Profile<br/>Drawing No - A65PO1</p> |  <p>Structural Coupler<br/>Drawing No - A65PO10</p> |
| SASH            |  <p>Casement - T Sash<br/>Drawing No - C45PS1</p>     |  <p>Wall Connector<br/>Drawing No - A65PO2</p>                                                                                                                                                                                                                                                                                                 |  <p>C56 Py1 BAY POLE</p>                     |                                                                                                                                        |
|                 |  <p>Casement - Z Sash<br/>Drawing No - C45PS2</p>    |  <p>Double Glaze Bead<br/>Drawing No - A65PB2</p>                                                                                                                                                                                                                                                                                              |  <p>Glass Bead<br/>Drawing No - A45PB1</p> |                                                                                                                                        |
| TRANSOM/MULLION |  <p>Casement - T Mullion<br/>Drawing No - C45PT1</p> | <p>GASKET</p>  <p>FGR/FGL_R1</p>  <p>BGR 1_R1</p>  <p>BGR 3</p>  <p>BGR 5</p> |                                                                                                                                 |                                                                                                                                        |
|                 |  <p>Casement - Z Mullion<br/>Drawing No - C45PT2</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                 |                                                                                                                                        |

# Portfolio

## Fenesta Premium Series Portfolio

### SLIDER WINDOW & DOOR

|              | PROFILE                                                                                                                                 | ACCESSORIES                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                          |                                                                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| OUTER FRAMES |  <p>Slider - 2 Track Frame<br/>Drawing No - S65PF5</p> |  <p>Slider Midrail<br/>Drawing No - S65PT4</p>                                                                                                                                                                                                                                                                                                   |  <p>Sill Profile<br/>Drawing No - A65PO1</p>          |  <p>Interlock Cover<br/>Drawing No - S65PO1</p>     |
|              |  <p>Slider - 3 Track Frame<br/>Drawing No - S65PF6</p> |  <p>Slider Glaze Bead<br/>Drawing No - A45PB1</p>                                                                                                                                                                                                                                                                                                 |  <p>Wall Connector<br/>Drawing No - A65PO2</p>        |  <p>Static Profile<br/>Drawing No - S65PO2</p>      |
| SASH         |  <p>Slider - Door Sash<br/>Drawing No - S65PS2</p>   |  <p>Double Glaze Bead<br/>Drawing No - A65PB2</p>                                                                                                                                                                                                                                                                                               |  <p>Structural Coupling<br/>Drawing No - A65PO4</p> |  <p>Inline Sash Adaptor<br/>Drawing No - S65PO3</p> |
|              |  <p>Slider - Window Sash<br/>Drawing No - S65PS3</p> |  <p>Bay Pole Adaptor<br/>Drawing No - A65PO6</p>                                                                                                                                                                                                                                                                                               |  <p>PVC Rail<br/>Drawing No - S65PO7</p>            |  <p>Track Cap<br/>Drawing No - S65PO4</p>         |
|              |                                                                                                                                         |  <p>Bay Pole<br/>Drawing No - A65PO7</p>                                                                                                                                                                                                                                                                                                        |  <p>Structural Coupler<br/>Drawing No - A65PO10</p> |  <p>Monsoon Stop<br/>Drawing No - S65PO5</p>      |
|              |                                                                                                                                         |  <p>Bay Pole Cover<br/>Drawing No - A65PO8</p>                                                                                                                                                                                                                                                                                                 |                                                                                                                                          |  <p>Interlock Cap<br/>Drawing No - S65PO6</p>     |
|              |                                                                                                                                         | <p>GASKET</p> <div>     </div> <p>FGR/FGL_R1    BGR 1_R1    BGR 3    BGR 5</p> |                                                                                                                                          |                                                                                                                                        |

# Project

## Fenesta Project Series

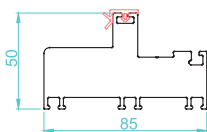
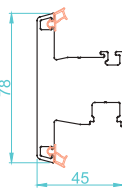
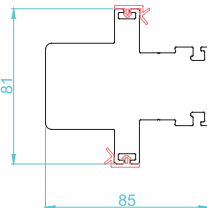


### Premium Villa Window

Villa window designs are created keeping in mind the standard benefits of the casement window, combining them with aesthetics. These windows are created especially for Indian homes which offer protection from various situations, including theft (grill) or insects (mesh) without having to sacrifice on the ventilation. They also come with multiple lock points which help in enhancing the security of your house.

Available in uPVC

### PREMIUM VILLA WINDOW

| FRAME                                                                                                          | ACCESSORIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Drawing No - V45PF1</p> |  <p>Description - <b>Single Glaze Bead</b><br/>Drawing No - <b>A45PB1</b></p>                                                                                                                                                                                                                                                                                                                                                      |
| SASH                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  <p>Drawing No - C45PS1</p> |  <p>Description - <b>Double Glaze Bead</b><br/>Drawing No - <b>A65PB2</b></p>                                                                                                                                                                                                                                                                                                                                                      |
|  <p>Drawing No - B45PS2</p> |  <p>Description - <b>Bug Bead</b><br/>Drawing No - <b>B45PB1</b></p>                                                                                                                                                                                                                                                                                                                                                               |
|                                                                                                                |  <p>Description - <b>Bug Clip</b><br/>Drawing No - <b>B65PO1</b></p>                                                                                                                                                                                                                                                                                                                                                               |
| TRANSOM / MULLION                                                                                              | GASKET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|  <p>Drawing No - V45PT1</p> |  <p>V45GO1</p>  <p>FGR/FGL_R1</p>  <p>BGR 1_R1</p>  <p>BGR 3</p>  <p>BGR 5</p> |

# Portfolio

## Fenesta Project Series

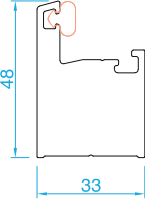
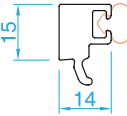
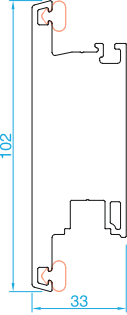
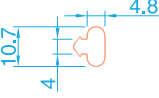
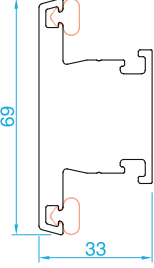


### Premium Pro Series

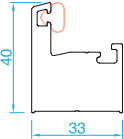
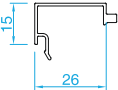
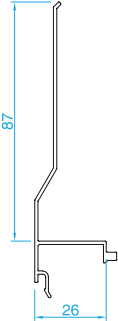
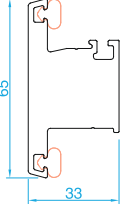
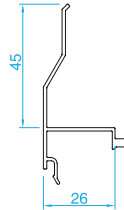
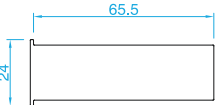
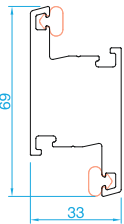
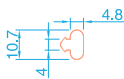
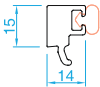
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Available in uPVC

### CASEMENT SYSTEM WINDOW

| FRAME                                                                                                                    | ACCESSORIES                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><p>Drawing No - C33PF2</p></div> | <div><p>Drawing No - A33PB1</p></div>                                    |
| SASH                                                                                                                     |                                                                                                                                                              |
| <div><p>Drawing No - C33PS4</p></div> | <div><p>Description:- louver_side_clip<br/>Drawing No - A33G01</p></div> |
| TRANSOM / MULLION                                                                                                        |                                                                                                                                                              |
| <div><p>Drawing No - A33PT1</p></div> |                                                                                                                                                              |

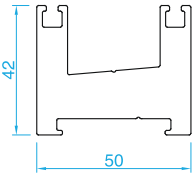
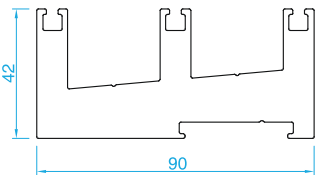
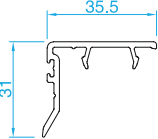
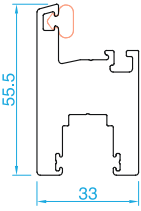
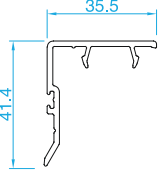
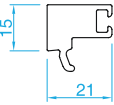
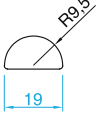
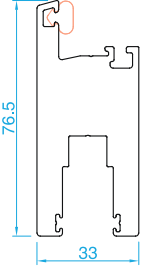
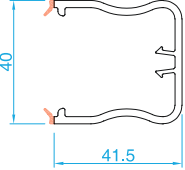
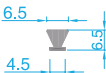
CASEMENT SYSTEM WINDOW

| FRAME                                                                                                          | LOUVERS                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Drawing No - C33PF1</p>   |  <p>Drawing No - C33AO01</p>                                                                                                                                                                                     |
| SASH                                                                                                           |  <p>Drawing No - C33AO03</p>                                                                                                                                                                                    |
|  <p>Drawing No - C33PS2</p>  |  <p>Drawing No - C33PF1</p>                                                                                                                                                                                    |
| TRANSOM / MULLION                                                                                              |  <p>Drawing No - A33AO01</p>                                                                                                                                                                                   |
|  <p>Drawing No - A33PT1</p> | ACCESSORIES                                                                                                                                                                                                                                                                                        |
|  <p>Drawing No - C33PT1</p> |  <p>Descriptions:- louver_side_clip<br/>Drawing No - A33G01</p>  <p>Descriptions:- Glass Bead<br/>Drawing No - A33PB1</p> |

# Portfolio

## Premium Pro Series Portfolio

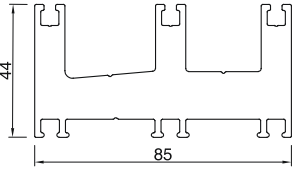
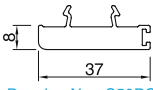
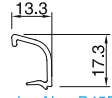
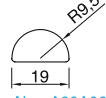
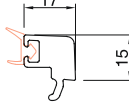
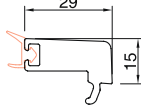
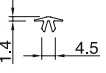
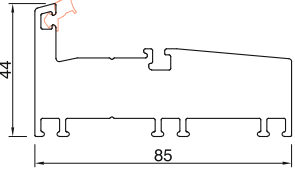
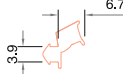
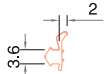
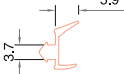
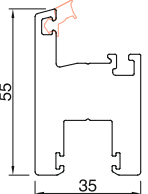
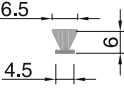
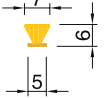
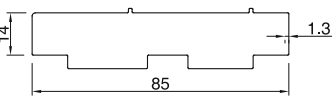
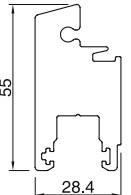
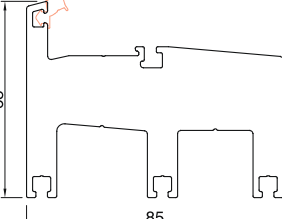
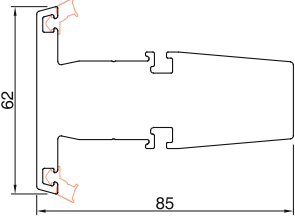
### SLIDER SYSTEM DOOR

| FRAME                                                                                                                                                                                                                            | ACCESSORIES                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Drawing No - S33PF1</p>  <p>Drawing No - S33PF3+S50PO1</p> |  <p>Descriptions:- Window Interlock<br/>Drawing No - S33PO1</p>  <p>Descriptions:-Premium slim track cap<br/>Drawing No - S50PO1</p>  <p>Descriptions:-Rail track<br/>Drawing No - S50AO01</p> |
| SASH                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|  <p>Drawing No - S33PS1</p>                                                                                                                   |  <p>Descriptions:- Door Interlock<br/>Drawing No - S33PO2</p>  <p>Descriptions:- Bug_Bead<br/>Drawing No - B33PB1</p>  <p>Descriptions:-Bug screen AL Midrail<br/>Drawing No - A00A06</p> |
|  <p>Drawing No - S33PS2</p>                                                                                                                   |  <p>Descriptions:-Static Profile<br/>Drawing No - S65PO2</p>  <p>Descriptions:-Woolpile<br/>Drawing No - FN048</p>  <p>Description:- Bug clip<br/>Drawing No - B33PO1</p>                |

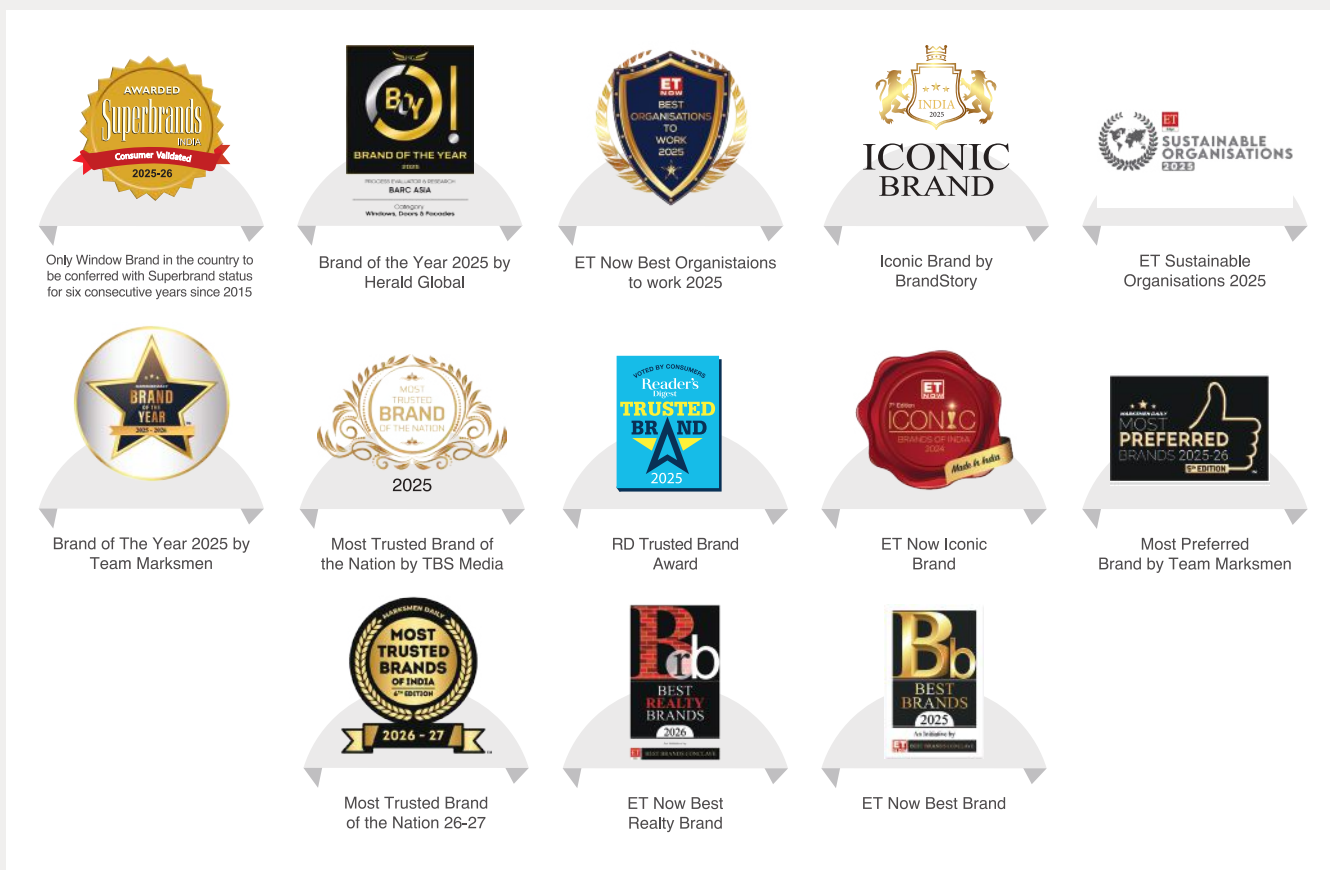
# Portfolio

## Slim Slider System Window

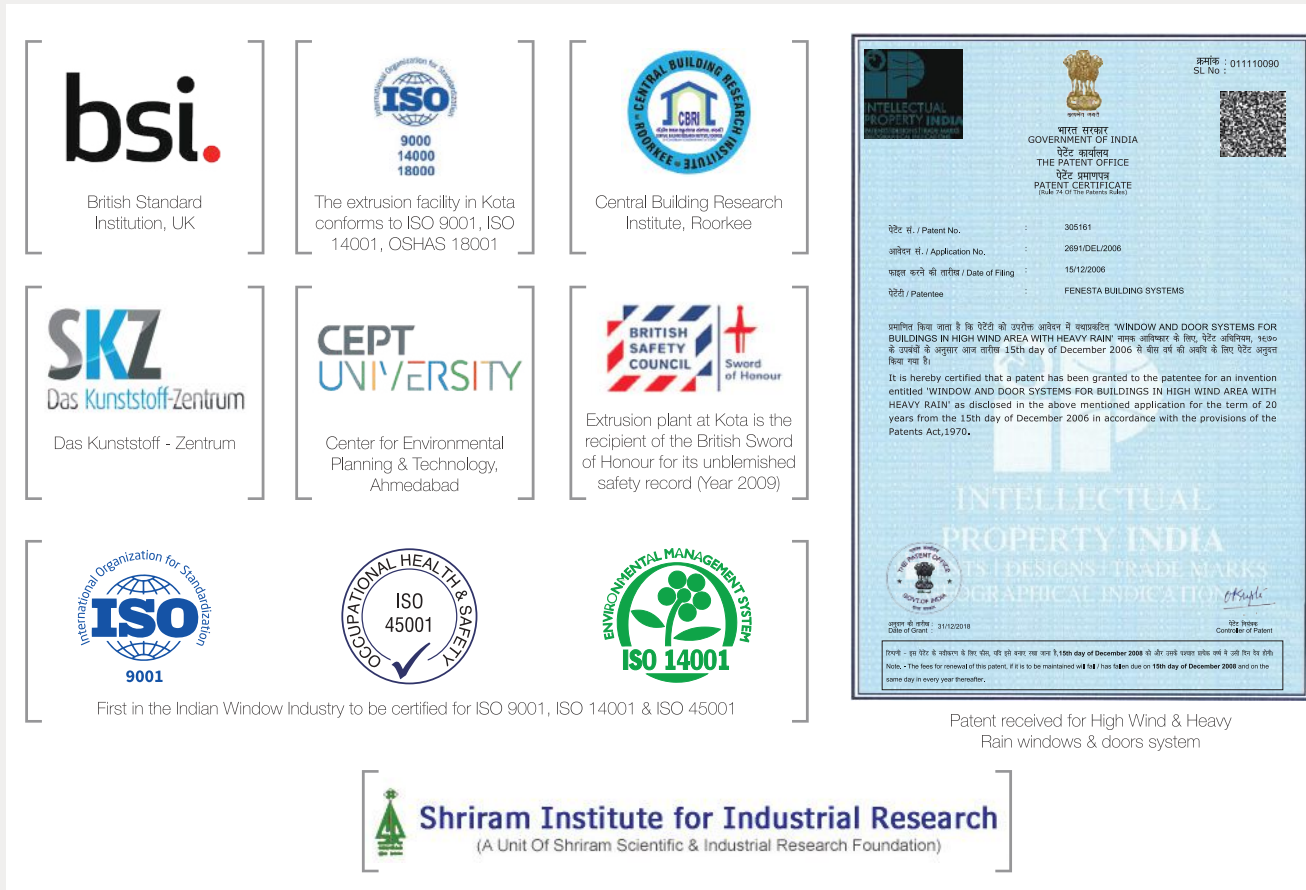
### SLIDER SYSTEM WINDOW

| FRAME                                                                                                          | ACCESSORIES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Drawing No - S50PF2</p>   |  <p>Drawing No - S50PO2</p>  <p>Drawing No - B45PB1</p>  <p>Drawing No - A00A06</p>  <p>Drawing No - S50PB1</p>  <p>Drawing No - A50PB1</p>  <p>Drawing No - S50AO01</p>  <p>Drawing No - S50PO1</p> |                                                                                                                                                                                                     |
|                                                                                                                | GASKET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                     |
|  <p>Drawing No - A50PF1</p>  |  <p>FGR/FGL_R1</p>  <p>BGR1_R1</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  <p>BGR3</p>  <p>BGR5</p> |
| SASH                                                                                                           | WOOLPILE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | ALUMINIUM                                                                                                                                                                                           |
|  <p>Drawing No - S50PS1</p> |  <p>Drawing No - FN048</p>  <p>Drawing No - FN7X6X6_4P2L_ST_GR</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  <p>Drawing No - A50AO02</p>                                                                                   |
| TRANSOM / MULLION                                                                                              | COMBINATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                     |
|  <p>Drawing No - B50PS1</p> |  <p>Drawing No - S50PT2</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  <p>Drawing No - A50PT1</p>                                                                                    |

# Awards & Accolades



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