JALA FACADE SYSTEM

Full range of solutions

CATALOG 2024

jalalfs.com

SUMMARY

ABOUT US

International experience and talent

JALAL was initially established to design and market aluminium curtain wall systems and façade systems in the Gulf region of the Middle East. Jalal is a SAUDI company which has at its disposal some of the most experienced and well qualified façade engineers and designers, several of whom hold a Masters Degree in façade Engineering. In addition the majority of our staff are members of the Society of Façade Engineering at either Member or Fellow level.

This combination of international experience and talent is behind the design and engineering of all JALAL FACADE SYSTEM making them unique in that they have been designed from the beginning to be suitable for the Gulf & Pakistan climatic conditions and con-struction methods. Over the past twenty years the company has grown its product and systems range significantly so that the product range available today from Jalal encompasses all types of façade solutions ranging from doors and windows through to structurally glazed and unitised curtain wall systems. The majority of Jalal systems are available in both thermally broken and standard versions. As a design company on-going system development ensures that new and innovative solutions and system enhancements are regularly added to the product range.

This is often done in consultation with Jalal approved fabricators to ensure that our designs are relevant to the end user and the markets that they are used in. **Jalal facade systems are only available from a network of approved fabricators thus ensuring both on-going quality assurance and local availa bility.** The aluminium profiles for the systems are extruded in the Gulf & Pakistan region by licensed extruders who meet Jalal exacting standards for the quality, accuracy and consistency of the profiles and sections supplied. Accessories and gaskets are specified in the system designs and again are available within the region.

All major Jalal Facade System are designed to meet the CWCT standards and have been independently tested to ensure that they meet the specified performance thus ensuring that they meet or exceed the various standards commonly used in the region such as BS:EN, ASTM, AAMA, etc. Whilst Jalal's design offices are located in the KSA we also operate a Islamabad branch office where locally resident engineers are available to provide ongoing technical and practical support to projects and customers throughout the region, including shop drawing reviews, design proposals and general façade engineering assistance.

BENEFITS

Design team led by Technical Director and Chief Designer who both hold a Bachelor Degree in Facade Engineering and over 35 years cw design experience on projects around the world.

Systems designed specifically for the regional climates and conditions from a clean sheet of paper, not an adapted European market system.

KSA design office with engineers also based at a regional office in Islamabad.

All project shop drawings are reviewed for each and every Jalal project by Jalal designers and engineers, drawings can be Approved if required.

All senior Jalal personnel are Fellows of the Society of Facade Engineering.

Jalal is a design and engineering company and can respond quickly and efficiently to specific project design requirements.

All systems are integrated so doors, windows, sun shade system, etc., can be incorporated into the overall curtain wall.

20 years track record of hundreds of successful projects completed throughout the Middle East, Africa, Asia and beyond.

Locally extruded in the region so available in a timely and economical manner.

Quality Control Team Available at Site.

Only fabricated and installed by approved fabricators in each territory, so fabricators are familiar with the systems and thus minimise errors.

Systems designed to meet CWCT performance standards so exceed ASTM, AAMA, BS:EN, etc., specifications.

All systems tested at independent test laboratories in either KSA or UAE, test reports available as required.

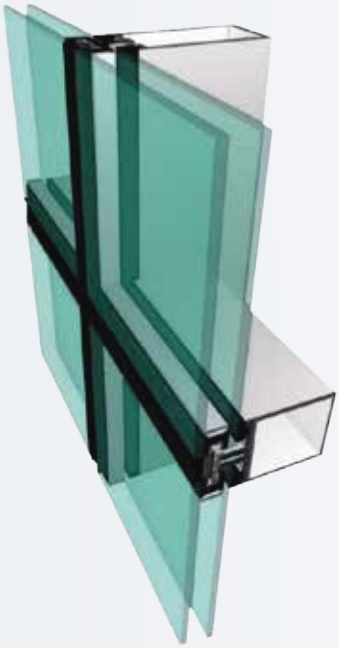
Systems designed to be simple to fabricate and install requiring no special machinery or experience, thus eradicating errors.

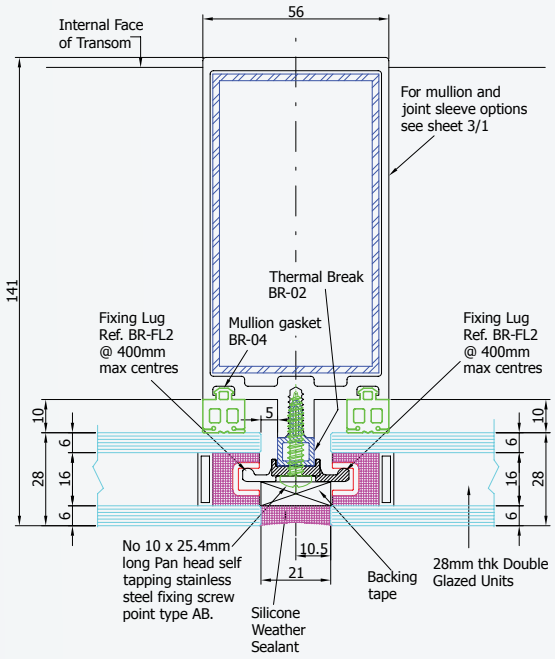
CURTAIN WALL SYSTEM

SG-4-56-FF

4 Sided Frameless Structurally Glazed Curtain Walling System

The system currently offers frames of 24mm, 28mm or 32mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All double glazed units MUST be dual sealed with a P.I.B. primary seal and a silicone secondary seal suitable for units being placed in SSG applications.





SG-4-56-FF

System Performance

SIZE

- Profile width only 56mm.
- Profile depths from 43mm to 200mm.

DESIGN

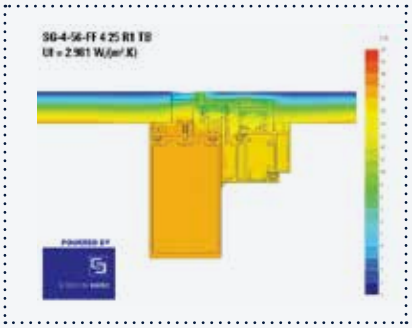
- Designed specifically for the GCC & Pakistan climate.
- Designed to perform at windloads in excess of 3.5 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Thermal performance can achieve Ucw of 1.6 W/m2/K.

INSTALLATION

- Glass panels mechanically fixed so do not require any structural bonding.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.



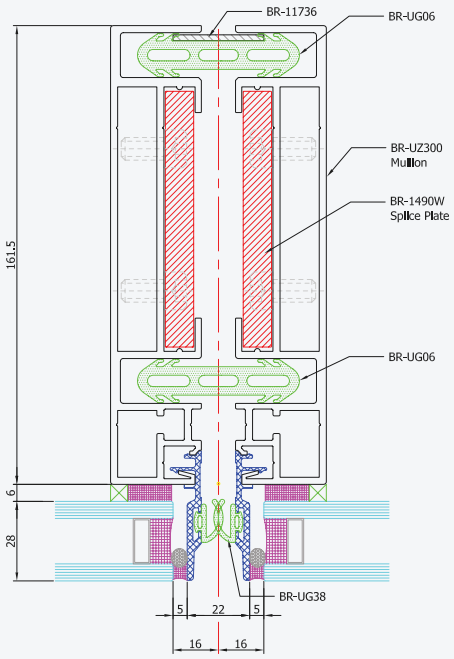
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

UN-4-76-SGEP

4 Sided Unitised Structural Glazed Curtain Walling System

The system currently offers frames for three types of glazed units, a 28 to 38mm thick double glazed fixed light unit, a 6mm single glazed spandrel panel and a 28 or 36mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All low all double glazed units must be dual sealed with a P.I.B. primary seal and a silicone secondary seal suitable for units being placed in SSG applications.



UN-4-76-SGEP

System Performance

SIZE

- Total frame profile widths only 76mm.
- Profile depths vary according to project requirements, such as 127mm or 161.5mm.

DESIGN

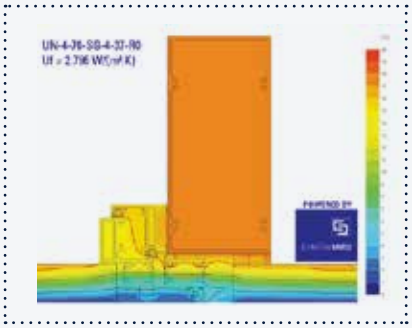
- Designed specifically for the GCC & Pakistan climate.
- Designed to perform at windloads in excess of 3.5 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Thermally Broken frameless outward opening vent panels can be incorporated.
- Extruded gaskets seal between frames to provide secure weather resistance.
- Thermal Break frameless outward opening vent panels can be incorporated.

INSTALLATION

- Allows rapid on-site installation of factory prefabricated panels usually without the need for external access to the building.



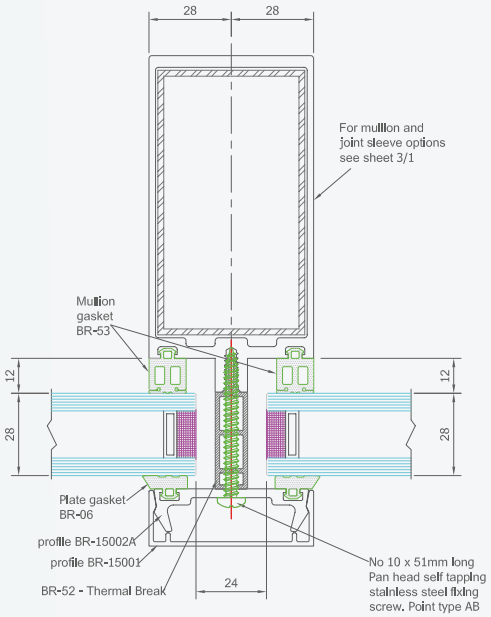
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

SG-2-56-HFF

2 Sided Horizontal Structural Glazed Curtain Walling System

The system currently offers frames for three types of glazed units, a 28 mm thick double glazed fixed light unit, a 6mm single glazed spandrel panel and a 28 & 24mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All fixed double glazed units MUST be dual sealed with a P.I.B. Primary Seal and a Silicone secondary seal suitable for units being placed in SSG applications.



SG-2-56-HFF

System Performance

SIZE

- Profile width only 56mm.
- Profile depths from 43mm to 200mm.

DESIGN

- Designed specifically for the GCC & Pakistan climate.
- Designed to perform at windloads in excess of 3.5 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Thermal performance can achieve Ucw of 1.6 W/m2/K.
- Thermal Break frameless outward opening vent panels can be incorporated.

INSTALLATION

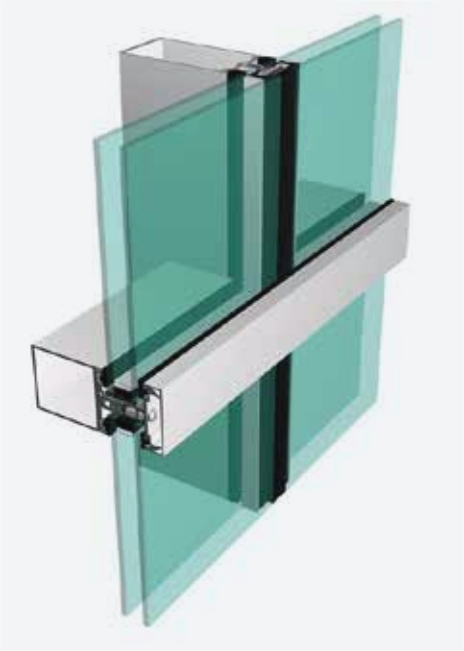
- Neat fully sealed horizontal weather seal joints.
- Neat extruded vertical cover caps conceal glazing fixings with a variety of standard and bespoke feature caps available.
- Glass panels mechanically fixed so do not require any structural bonding.

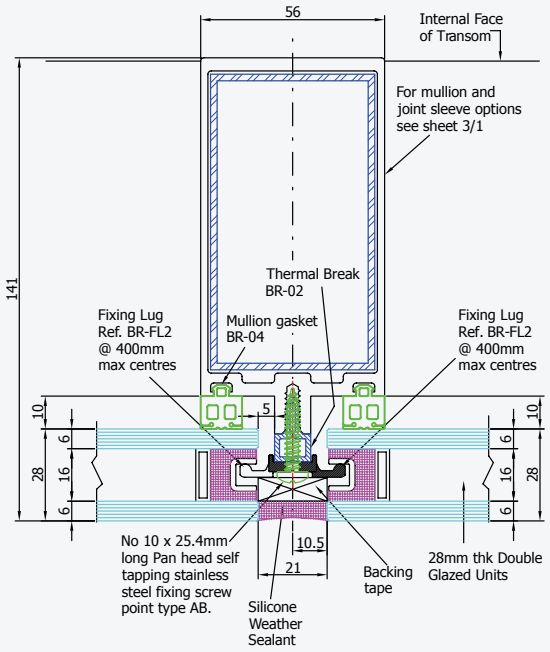
DISCOVER MORE ON OUR WEBSITE

SG-2-56-VFF

2 Sided Vertical Structurally Glazed Curtain Walling System

The system currently offers frames a 24mm and 28mm double glazed top hung casement. Used in conjunction with each other an almost limitless number of permutations can be achieved to suit most architectural requirements. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All double glazed units MUST be dual sealed with a P.I.B. primary seal and a silicone secondary seal suitable for units being placed in SSG applications.





SG-2-56-VFF

System Performance

SIZE

- Profile width only 56mm.
- Profile depths from 43mm to 200mm.

DESIGN

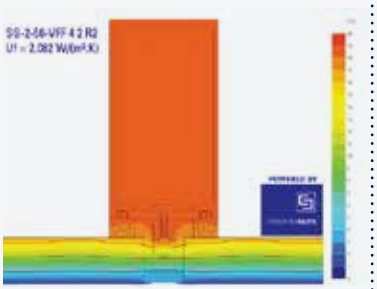
- Designed specifically for the Gulf climatic conditions.
- Designed to perform at windloads in excess of 2.4 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Neat extruded vertical cover caps conceal glazing fixings.
- Thermal Break frameless outward opening vent panels can be incorporated as can framed open-in vents.
- Thermal performance can achieve Ucw of 1.6 W/m2/K.

INSTALLATION

- Neat fully sealed horizontal weather seal joints.
- Neat extruded vertical cover caps conceal glazing fixings with a variety of standard and bespoke feature caps available.
- Glass panels mechanically fixed so do not require any structural bonding.



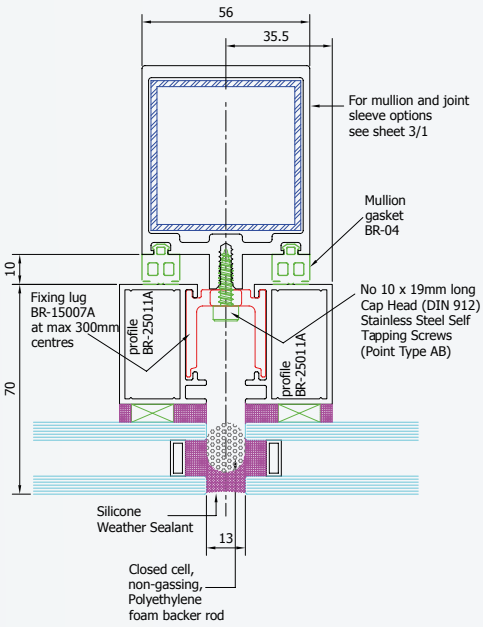
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

SG-4-56

4 Sided Structurally Glazed Curtain Walling System

The system currently offers frames for three types of glazed units, a 24mm thick double glazed fixed light unit, a 6mm single glazed spandrel panel and a 24mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All double glazed units MUST be dual sealed with a P.I.B. primary seal and a silicone secondary seal suitable for units being placed in SSG applications.



SG-4-56

System Performance

SIZE

- Profile width only 56mm.
- Profile depths from 43mm to 200mm.

DESIGN

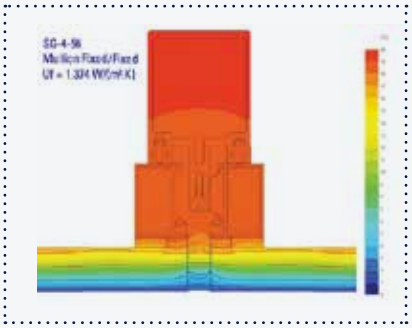
- Designed specifically for the Gulf climatic conditions.
- Designed to perform at windloads in excess of 2.4 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Thermal performance can achieve Ucw of 1.6 W/m2/K.
- Thermal Break frameless outward opening vent panels can be incorporated.

INSTALLATION

- Glass panels mechanically fixed so do not require any structural bonding.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.



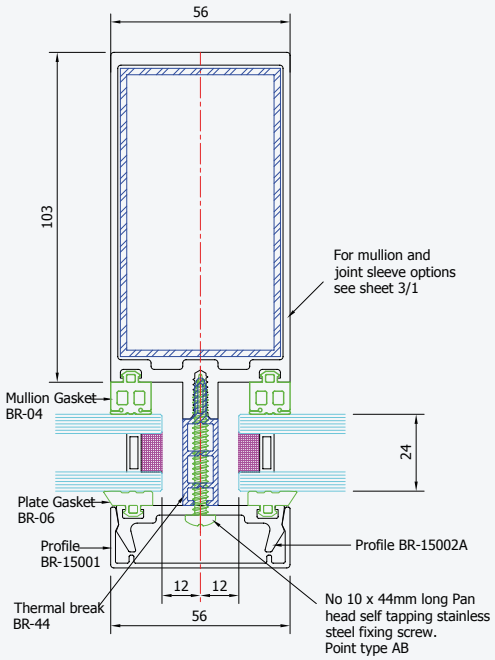
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

CG-4-56

4 Sided Fully Capped Curtain Walling System

The system currently offers frames for three types of glazed units, a 24mm thick double glazed fixed light unit, a 6mm single glazed spandrel panel and a 24mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units, whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All fixed double glazed units MUST be dual sealed with a P.I.B. primary seal and a secondary seal.



CG-4-56

System Performance

SIZE

- Profile width only 56mm.
- Profile depths from 43mm to 200mm.

DESIGN

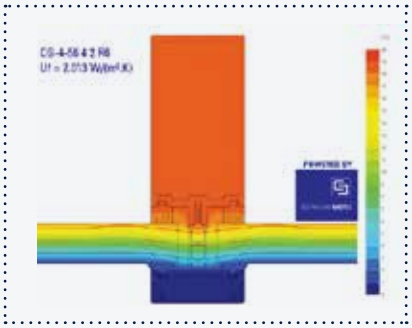
- Designed specifically for the Gulf climatic conditions.
- Designed to perform at windloads in excess of 2.4 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Neat extruded vertical cover caps conceal glazing fixings.
- Thermal Break frameless outward opening vent panels can be incorporated as can framed open-in vents.
- Thermal performance can achieve Ucw of 1.6 W/m2/K.

INSTALLATION

- Single or double glazed spandrel panels, aluminium composite cladding panels can all be incorporated into the system.



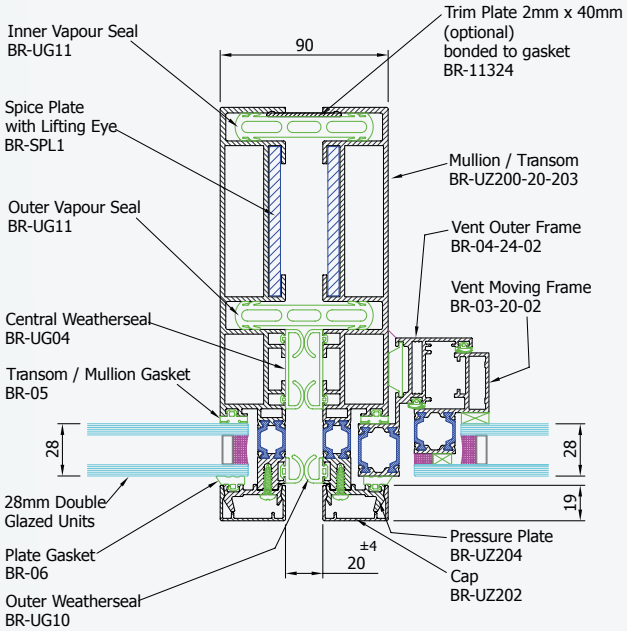
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

UN-4-90-CG

4 Sided Unitised Fully Capped Curtain Walling System

The system currently offers frames for two types of glazed units, a 28mm thick double glazed fixed light unit, and a 28mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All fixed double glazed units MUST be dual sealed with a P.I.B. primary seal and a secondary seal.



UN-4-90-CG

System Performance

SIZE

- Total frame profile widths only 90mm.
- Profile depths vary according to project requirements, such as 127mm or 161.5mm.

DESIGN

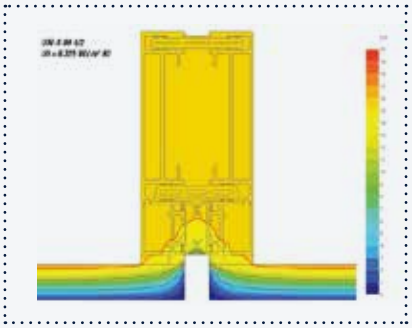
- Designed specifically for the Gulf climatic conditions.
- Designed to perform at windloads in excess of 3.5 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.
- Unitised frames are constructed using 45 degree mitre joints to provide secure weather resistance and high quality appearance.

PERFORMANCE

- Thermal performance can achieve Ucw of 1.6 W/m2/K.
- Thermally Broken frameless outward opening vent panels can be incorporated.

INSTALLATION

- Single or double glazed spandrel panels can be incorporated into the system as can aluminium cladding, stone cladding, etc.
- Cappings can be formed as feature fins or sun shade blades.



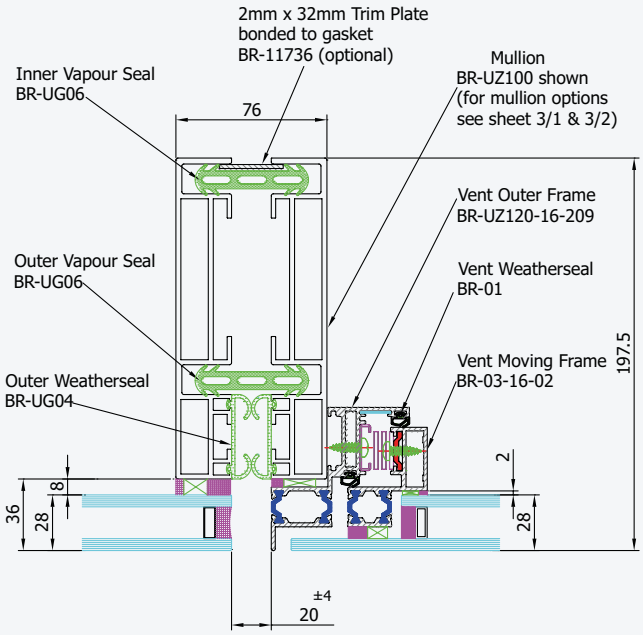
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

UN-2-76-SGV

2 Sided Unitised Vertical Structurally Glazed Curtain Walling System

The system currently offers frames for three types of glazed units, a 28mm thick double glazed fixed light unit, a 6mm single glazed spandrel panel and a 28mm double glazed top hung casement. Fixed double glazing incorporates flush edged double glazing units whilst the top hung windows utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All fixed double glazed units MUST be dual sealed with a P.I.B. Primary Seal and a secondary seal.



UN-2-76-SGV

System Performance

SIZE

- Total frame profile widths only 76mm.
- Profile depths vary according to project requirements, such as 127mm or 161.5mm.

DESIGN

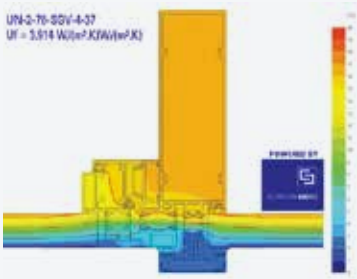
- Designed specifically for the Gulf climatic conditions.
- Designed to perform at windloads in excess of 3.5 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.

PERFORMANCE

- Thermally Broken frameless outward opening vent panels can be incorporated.
- Extruded gaskets seal between frames to provide secure weather resistance.
- Thermal Break frameless outward opening vent panels can be incorporated.

INSTALLATION

- Allows rapid on-site installation of factory prefabricated panels usually without the need for external access to the building.
- Horizontal cappings can be formed as feature fins or sun shade blades.



Isotherm Diagram

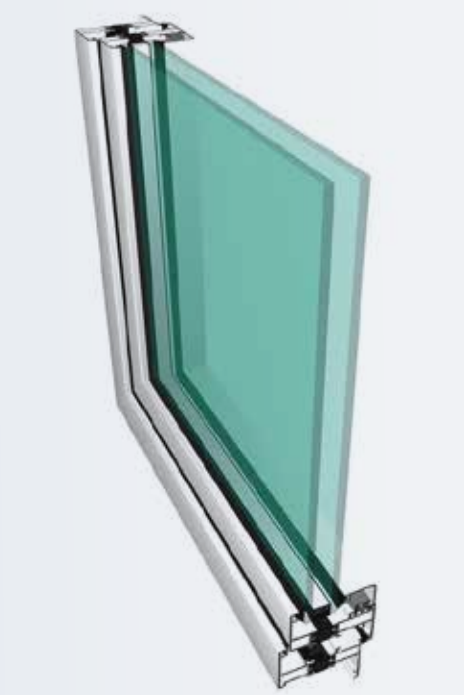
DISCOVER MORE ON OUR WEBSITE

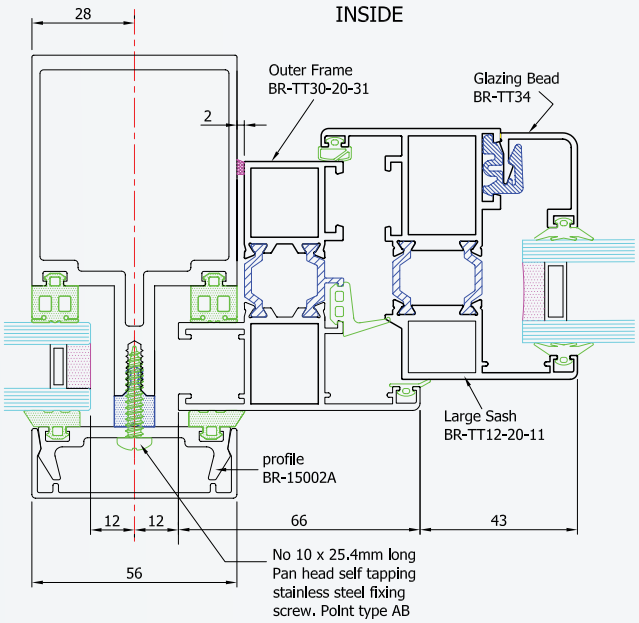
CASEMENT WINDOW SYSTEMS TILT/TURN, SIDE HUNG & BOTTOM HUNG OPEN-IN

TB-68-CASE

Case tilt & turn window system (thermally broken)

The system is glazed internally to accommodate 24mm or 26mm double glazed units, using standard beads. As with all Jalal systems, the Tilt & Turn window system is manufactured to exacting standards enabling economy to Le combined with strength to give many years of aesthetic trouble-free operation.





TB-68-CASE

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

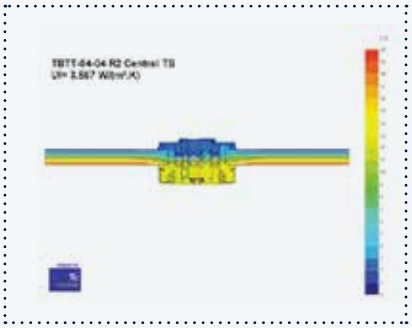
- Economy is combined with strength to provide many years of trouble free operation and to be aesthetically pleasing.
- Designed to perform at wind resistances up to 2.4 kPa.

PERFORMANCE

- Thermal performance can achieve Uw of 1.6 W/m2K.
- Opening panels fully weather-sealed with EPDM gaskets.

INSTALLATION

- Accommodates various thicknesses of single and double glazed units.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.



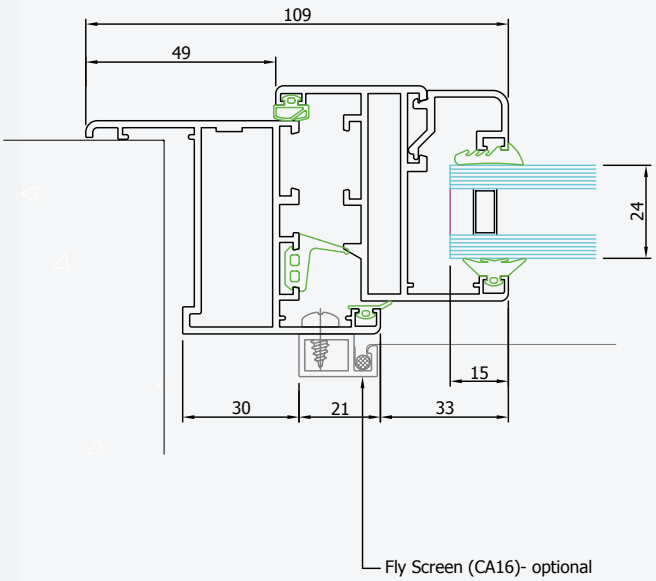
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

NTB-55-CASE

Window system Open-in casements

The system is glazed internally to accommodate up to 35mm thick double glazed units, using standard beads. As with all Jalal systems, the Open-in window system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



NTB-55-CASE

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

- Economy is combined with strength to provide many years of trouble free operation and to be aesthetically pleasing.
- Designed to perform at wind resistances up to 2.4 kPa.

PERFORMANCE

- Thermal performance can achieve Uw of 1.6 W/m2K.
- Opening panels fully weather-sealed with EPDM gaskets.

INSTALLATION

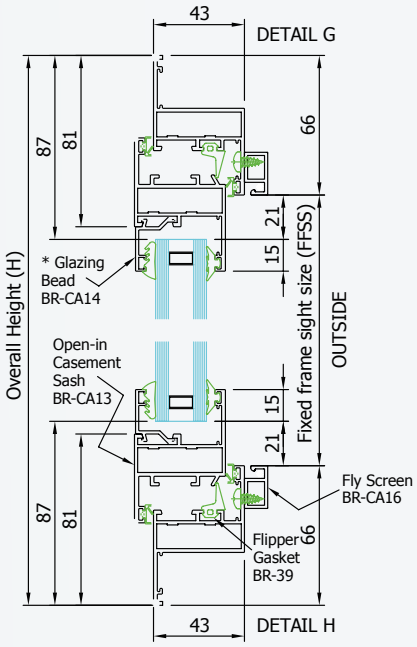
- Accommodates various thicknesses of single and double glazed units.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.

DISCOVER MORE ON OUR WEBSITE

NTB-43-CASE

Case open-in casement window system (non-thermally broken)

The system is glazed internally to accommodate 6mm or 24mm double glazed units, using standard beads. As with all Jalal systems, the NTB 43 CASE system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



NTB-43-CASE

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

- Economy is combined with strength to provide many years of trouble free operation and to be aesthetically pleasing.
- Designed to perform at wind resistances up to 2.4 kPa.

PERFORMANCE

- Thermal performance can achieve Uw of 1.6 W/m2K.
- Opening panels fully weather-sealed with EPDM gaskets.

INSTALLATION

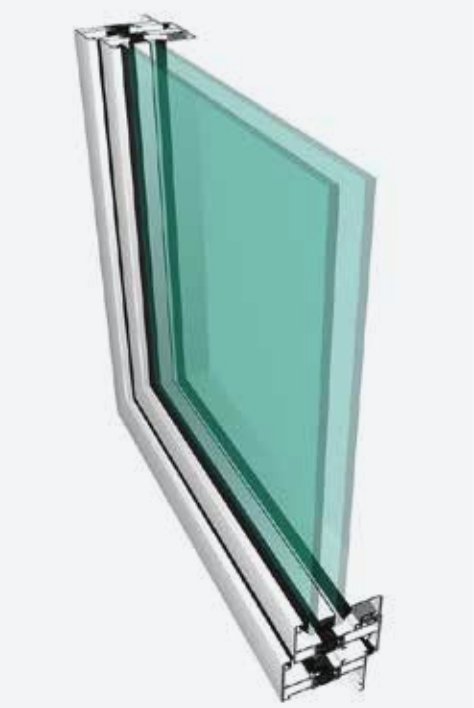
- Accommodates various thicknesses of single and double glazed units.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.

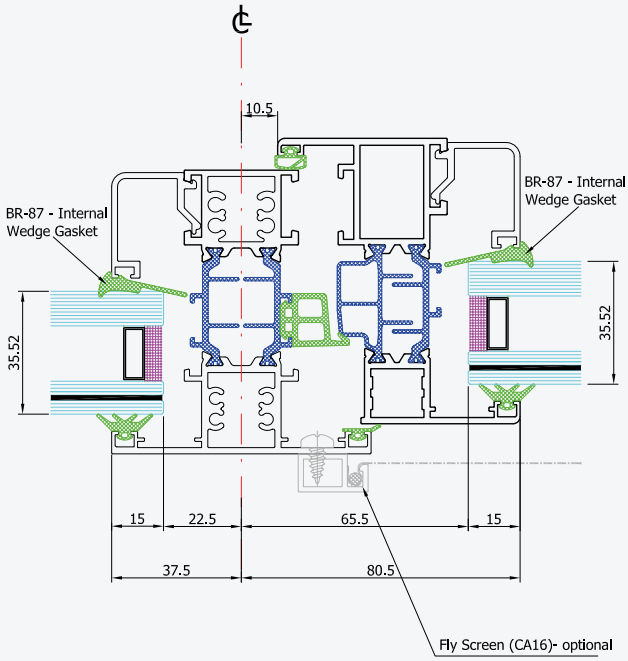
DISCOVER MORE ON OUR WEBSITE

TB-82

Window system Open-in casements

The system is glazed internally to accommodate 28mm to 56mm double glazed units, using standard beads. As with all Jalal systems the Til & Turn window system is manufactured to exacting standards, enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.





TB-82

System Performance

SIZE

- The system is glazed internally to accommodate 28mm to 56mm double glazed units, using standard beads

DESIGN

- Aluminium profiles are extruded from aluminium alloy 6063 T6 complying with the recommendations of BS EN 12020-2:2008 / BS EN 755-9:2008

PERFORMANCE

- Air permeability - BS6375: Pt1:1983 test pressure 600 Pa
- Water tightness - BS6375: Pt1:1983 test pressure 600 Pa
- Wind resistance - BS6375: Pt1:1983 test pressure 2400 Pa

INSTALLATION

- Detailed installation instructions are provided which should be strictly followed.
- Jalal recommend the use of restrictors to prevent the window opening more than 90° in the side hung mode.

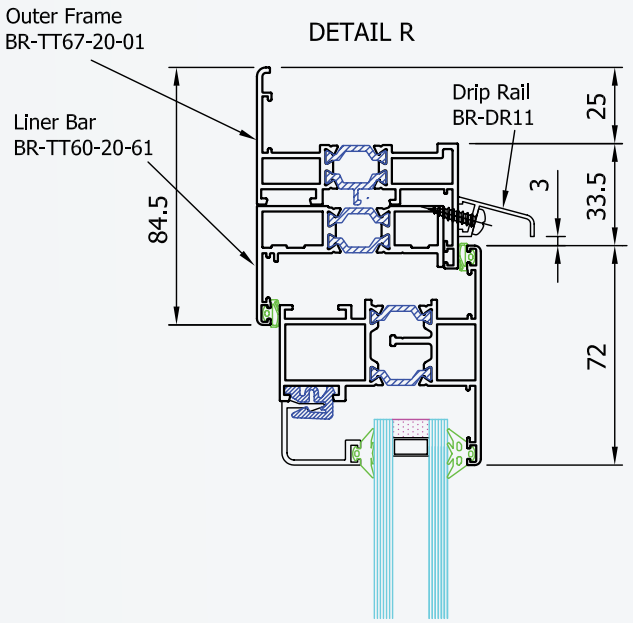
DISCOVER MORE ON OUR WEBSITE

CASEMENT WINDOW SYSTEMS SIDE HUNG & BOTTOM HUNG OPEN-OUT

TB-66-O/CASE

Open-out casement window system (thermally broken)

The system is glazed internally to accommodate 24mm or 26mm double glazed units, using standard beads. As with all Jalal sy stems the Open Out Casement window system is manufactured to exacting standards, enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



TB-66-O/CASE

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

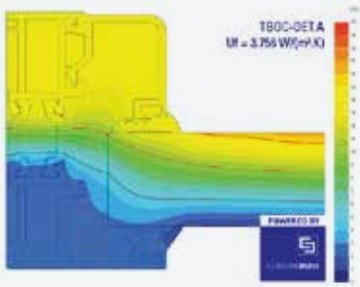
- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance.
- Designed to perform at wind resistances up to 2.4 kPa.

PERFORMANCE

- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Thermal performance can achieve Uw of 1.6 W/m2K.

INSTALLATION

- Windows are hung on heavy duty fixed hinges with concealed multi-locking system for effective weather resistance and security.



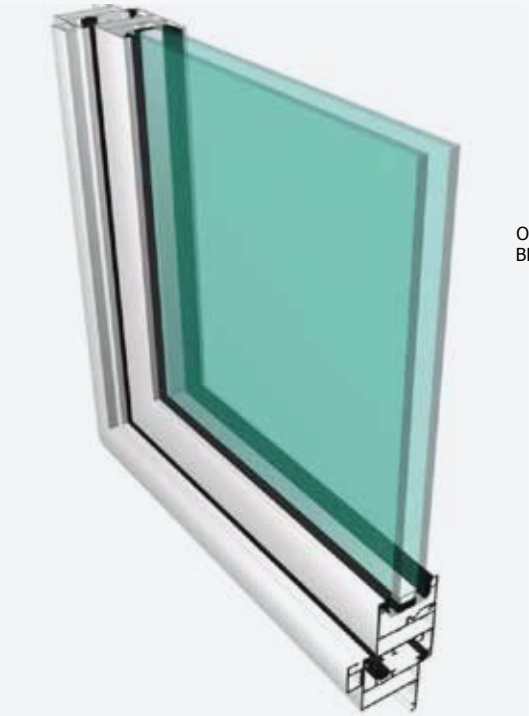
Isotherm Diagram

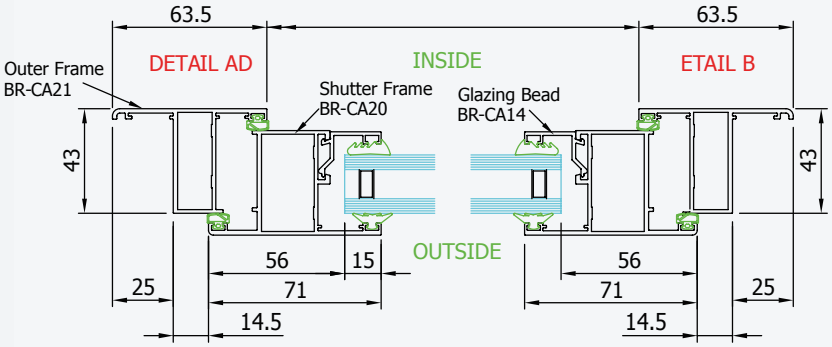
DISCOVER MORE ON OUR WEBSITE

NTB-43-O/CASE

Open-out casement window system (non-thermally broken)

The system is glazed internally to accommodate 6mm or 24mm double glazed units, using standard beads. As with all **Jalal** systems, the NTB 43 CASE system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.





NTB-43-O/CASE

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

- Economy is combined with strength to provide many years of trouble free operation and to be aesthetically pleasing.
- Designed to perform at wind resistances up to 2.4 kPa.

PERFORMANCE

- Thermal performance can achieve Uw of 1.6 W/m2K.
- Opening panels fully weather-sealed with EPDM gaskets.

INSTALLATION

- Accommodates various thicknesses of single and double glazed units.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.

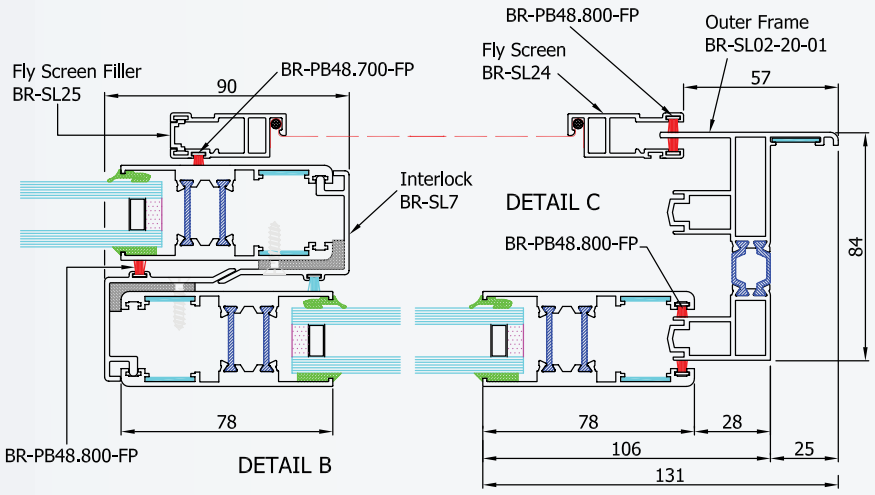
DISCOVER MORE ON OUR WEBSITE

SLIDING WINDOW SYSTEMS

TB-84-SLIDE

Horizontal sliding window system (thermally broken)

The system is designed to accommodate 24mm double glazed units, using non beaded or beaded sash and fixed light windows accommodate 24mm or 26mm double glazed units, with standard clip in glazing bead. As with all **Jalal** systems, the horizontal sliding/fixed light window system is manufactured to exacting standards, enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



TB-84-SLIDE

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

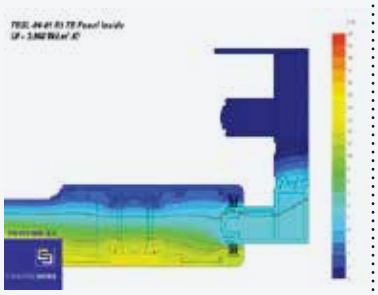
- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance.
- Designed to perform at wind resistances up to 1.5 kPa.

PERFORMANCE

- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Thermal performance can achieve Uw of 2.2 W/m2K.

INSTALLATION

- Windows are hung on heavy duty fixed hinges with concealed multi-locking system for effective weather resistance and security.



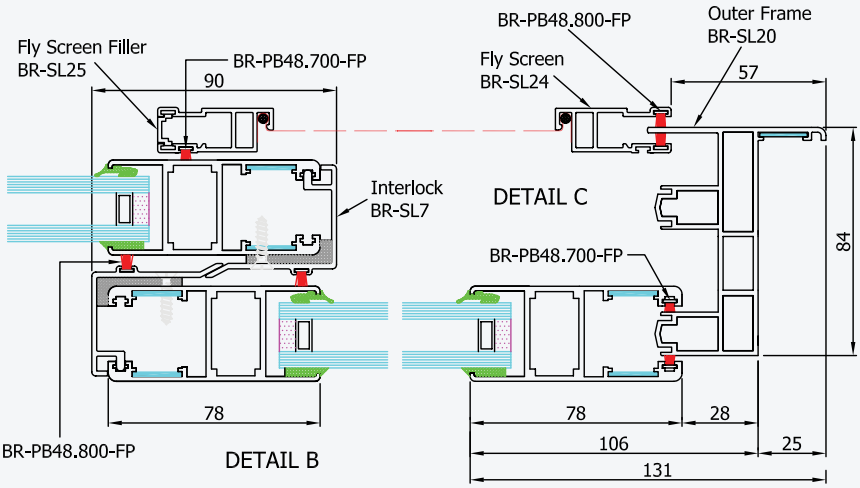
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

NTB-84-SLIDE

Slide horizontal sliding window system (thermally broken)

The system is designed to accommodate 24mm double glazed units, using non beaded or beaded sash and standard clip in glazing beads to fixed light windows. As with all Jalal systems, the horizontal sliding/fixed light window system is manufactured to exacting standards, enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



NTB-84-SLIDE

System Performance

SIZE

- Sliding panels run on stainless steel tracks for smooth operation and long service life.

DESIGN

- All frame joints are fully sealed during manufacture.
- Neat pencil rounded section edges to glazing beads and frames to provide a softer, higher quality appearance.

PERFORMANCE

- Economy is combined with strength to provide many years of trouble free operation and to be aesthetically pleasing.
- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Designed to perform at wind resistances up to 1.5 kPa.

INSTALLATION

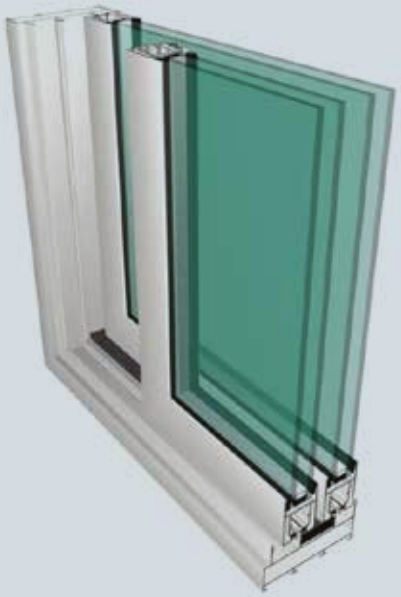
- Sliding panels run on stainless steel tracks for smooth operation and long service life.
- Thermal Break frameless outward opening vent panels can be incorporated.
- Neat fully sealed weather seal joints.

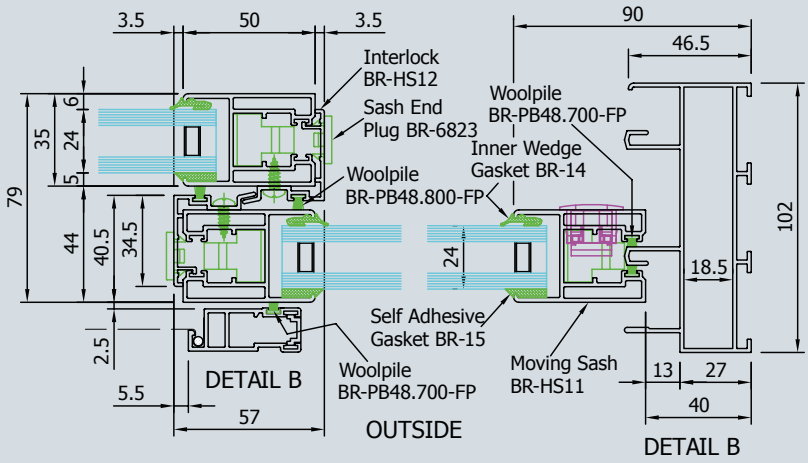
DISCOVER MORE ON OUR WEBSITE

NTB-102-SLIDE

Slide horizontal sliding window system (non-thermally broken)

The system is designed to accommodate 24mm double glazed units or 6mm single glazing using non-beaded sash. As with all **Jalal Facade System**, the horizontal sliding window system is manufactured to exacting standards, enabling economy to be combined with strength to give many years of aesthetic, trouble free operation.





NTB-102-SLIDE

System Performance

SIZE

- Maximum sash weight 40 Kg with Corner/Roller Kit BR-0302.1 & BR-0302.2

DESIGN

- A non-thermal break system for use where economic construction is the primary requirement.
- Corners formed as 45 degree mitres to provide a quality
- All frame joints are fully sealed during manufacture.
- Neat pencil rounded section edges to glazing beads and frames to provide a softer, higher quality appearance.

PERFORMANCE

- Designed to perform at wind resistances up to 1.5 kPa.
- Opening panels fully weather-sealed with EPD gaskets.

INSTALLATION

- Accommodates various thicknesses of single and double glazed units.

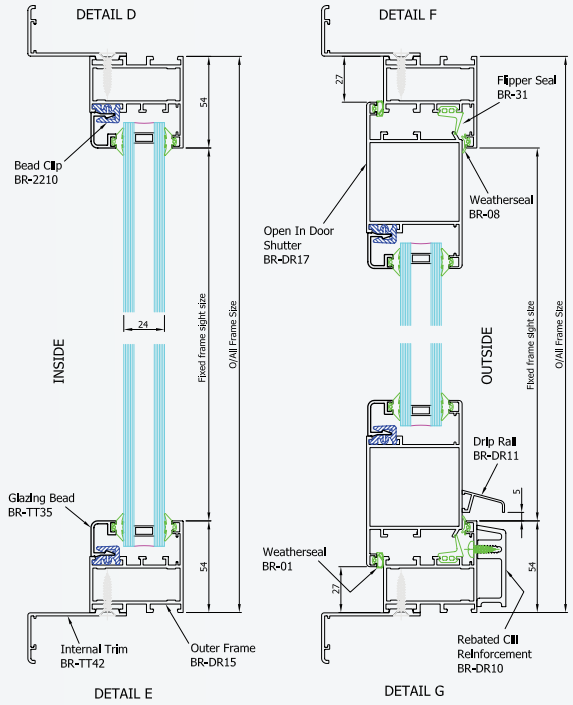
DISCOVER MORE ON OUR WEBSITE

DOOR SYSTEMS

TB-68-DOOR

Door open-in and out door systems (thermally broken)

The system is glazed internally to accommodate a range of double glazed units, using standard beads. As with all **Jalal** systems, the Door system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



TB-68-DOOR

System Performance

SIZE

- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance

DESIGN

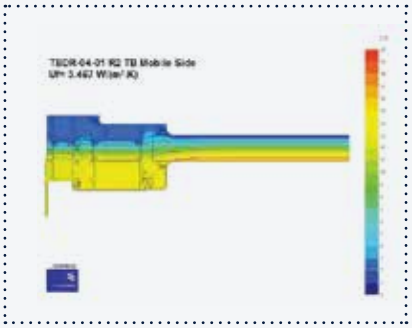
- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance.
- Designed to perform at wind resistances up to 1.2 kPa.

PERFORMANCE

- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Thermal performance can achieve Uw of 1.8 W/m2K.

INSTALLATION

- Windows are hung on heavy duty fixed hinges with concealed multi-locking system for effective weather resistance and security.



Isotherm Diagram

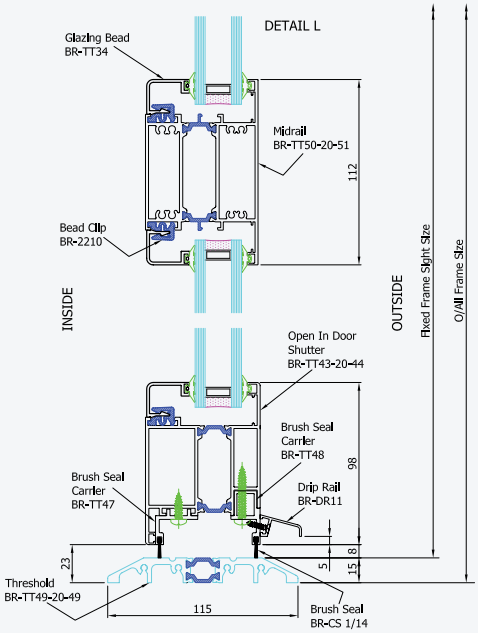
DISCOVER MORE ON OUR WEBSITE

NTB-55-DOOR

Door open-in and out door systems (non-thermally broken)

The system is glazed internally to accommodate 24mm or 26mm double glazed units, using standard beads. As with all **Jalal** systems, the Door system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.

VERTICAL SECTIONS



NTB-55-DOOR

System Performance

SIZE

- Door shutter weights Medium Duty door with BR-8020 Hinge - 150kg (max)
- Bacony Door with two BR-9211.6 hinges - 80kg (max)
  with three BR-9211.6 hinges - 90kg (max)
  with two BR-8041.1 hinges - 90kg (max)

DESIGN

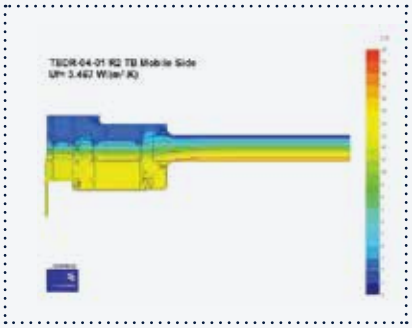
- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance.
- All frame joints are fully sealed during manufacture.
- Opening panels fully weather-sealed with woolpile seals.

PERFORMANCE

- Economy is combined with strength to provide many years of trouble free operation and to be aesthetically pleasing.
- The **Jalal** thermally broken system should be used where additionalthermal perbrmance is required

INSTALLATION

- Detailed installation instructions are provided on our web site



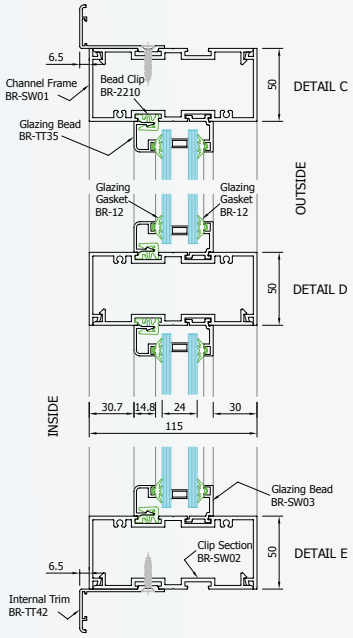
Isotherm Diagram

DISCOVER MORE ON OUR WEBSITE

NTB-55-SWDR

Swing Door System (Non-Thermally Broken)

The system is glazed internally to accommodate a range of double glazed units, using standard beads. As with all **Jalal** systems, the door system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, troublefree operation.



NTB-55-SWDR

System Performance

SIZE

- Door shutter weights
  Medium Duty Door with BR-8020 Hinge: 150 kg (max)
- Bacony Door
  with two BR-9211.6 hinges : 80kg (max)
  with three BR-9211.6 hinges: 90kg (max)
  with two BR-8041.1 hinges: 90kg (max)

DESIGN

- All frame joints are fully sealed during manufacture.
- Robust design ensures they are suitable for high traffic applications such as main entrance doors
- Opening panels fully weather-sealed with woolpile seals.

PERFORMANCE

- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Thermal performance can achieve Uw of 1.6 W/m2K.

INSTALLATION

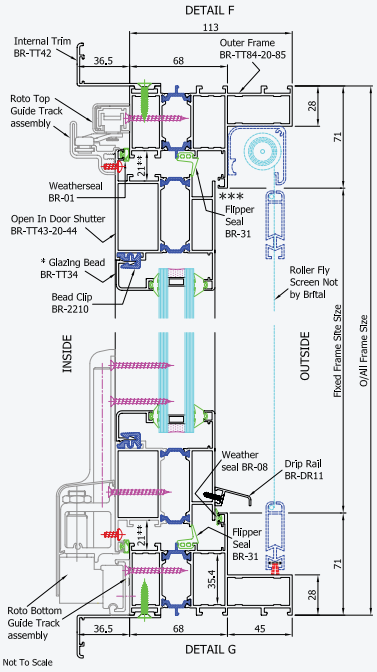
- Windows are hung on heavy duty fixed hinges with concealed multi-locking system for effective weather resistance and security.

DISCOVER MORE ON OUR WEBSITE

TB-113-TSDR

Tilt slide door systems (thermally broken)

The system is glazed internally to accommodate 24mm or 26mm double glazed units, using standard beads. As with all **Jalal** systems, the Door system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.



TB-113-TSDR

System Performance

SIZE

- Door shutter Section BR-TT43-20-44
- Door Shutter Height: 2330 mm (max), 930 mm (min)
- Door Shutter Width: 1680 mm (max), 630 mm (min)

DESIGN

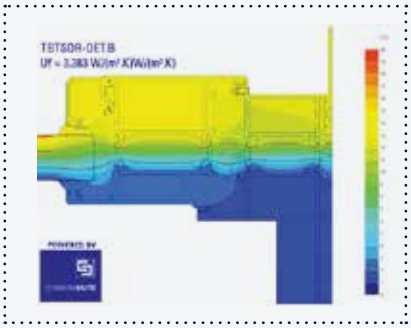
- Corners formed as 45 degree mitres to provide a quality appearance, high performance and weather resistance.
- All frame joints are fully sealed during manufacture.

PERFORMANCE

- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Designed to perform at wind resistances up to 2.0 kPa.
- Thermal performance can achieve Uw of 1.6 W/m2K.

INSTALLATION

- Tilt slide Shutter Weights with ROTO 4150 S Alu gear - 150 kg (max)



Isotherm Diagram

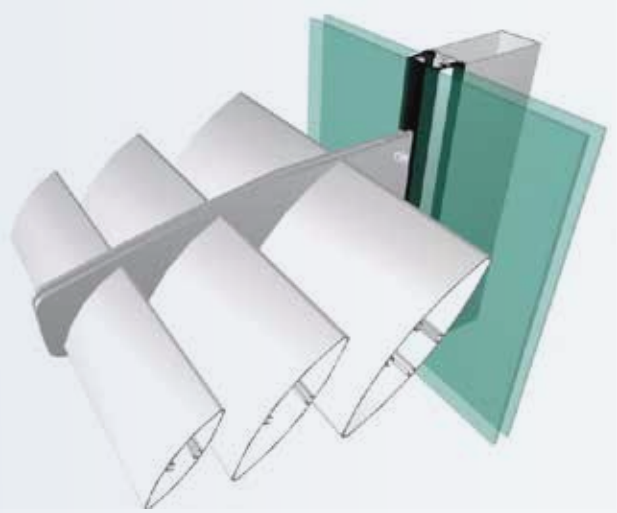
DISCOVER MORE ON OUR WEBSITE

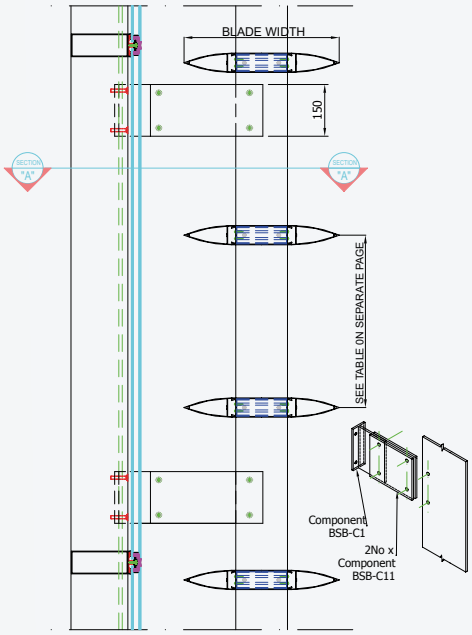
OTHER SYSTEMS

BSOL-1-56

Brise Soleil System

The system offers a number of one piece blades or can be made up of 3 pieces to form larger blades. The Brise Soleil is hung horizontally or vertically. Various other profles can be designed and incorporated allowing architects to achieve fexible designs. In addition Jalal Systems can supply solid blades that can be fxed on cantilever fxing. As with all Jalal Systems, the Aluminium Brise Soleil System is manufactured to exacting standards enabling economy to be combined with strength to give many years of trouble free operation





BSOL-1-56

System Performance

SIZE

- The Brise Soleil system can be used for the blades up to 4.0m long.

DESIGN

- The aluminium profiles are extruded from aluminium alloy 6060 T6 complying with the recommendations of BS EN 12020-2:2008. BS EN 755-9:2008.
- Brise Soleil Blades are designed for a maximum deflection of SPAN/100 but not more than 25mm

PERFORMANCE

- The system offers high quality thermally broken sections to suit specific project requirements and reduce heat gain.
- Thermal performance can achieve Uw of 1.8 W/m2K.

INSTALLATION

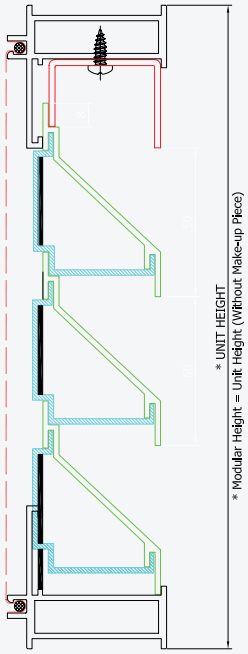
- Detailed installation instructions are provided which should be strictly followed.

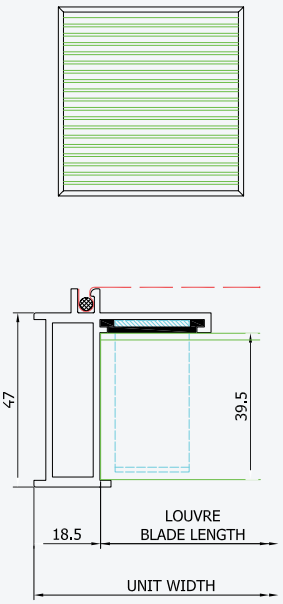
DISCOVER MORE ON OUR WEBSITE

LV-2-50

Aluminium fixed louvre & door system (with insect screen)

As with all **Jalal** systems, the Louvre system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.





LV-2-50

System Performance

SIZE

- Louvre Height: 2400 mm (max)
- Louvre Width: 1200 mm (max)

DESIGN

- Designed so that the ventilation louvres can be installed directly onto the structure or incorporated into **Jalal** window and door sections.
- Manufactured to exacting standards enabling economy to be combined with strength to provide many years of trouble free operation.

PERFORMANCE

- Standard and Heavy Duty louvre blades can be used to provide numerous different ventilation performance possibilities.

INSTALLATION

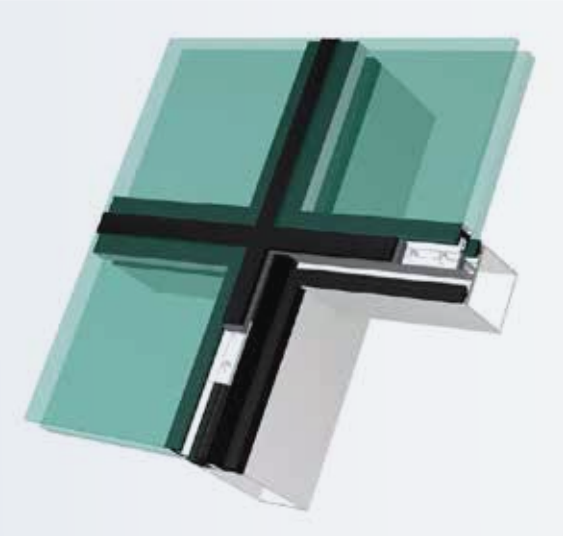
- Simple and quick installation method saves time and money in fabrication.

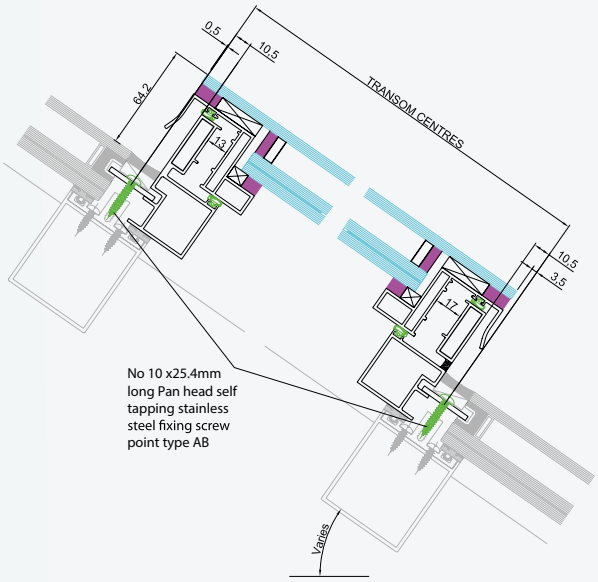
DISCOVER MORE ON OUR WEBSITE

SG-4-56-RG

4 Sided Frameless Structurally Glazed Roof System

The system currently suits 35.5mm double glazing units as either fixed or opening shutters. Used in conjunction with each other an almost limitless number of permutations can be achieved to suit most architectural requirements. Fixed double glazing incorporates flush edged double glazing units whilst the opening shutters utilise double glazing units that have stepped edges to enable clean and continuous sight lines whilst providing high levels of performance. All double glazed units MUST be dual sealed with a P.I.B. primary seal and a silicone secondary seal suitable for units being placed in SSG applications.





SG-4-56-RG

System Performance

SIZE

- Profile width only 56mm and Profile depths from 43mm to 200mm.

DESIGN

- Designed to perform at windloads in excess of 3.5 kPa.
- Designed to meet the CWCT standards so meets BS:EN, ASTM, AAMA specifications.
- Designed to be fully compatible with the range of **Jalal** Curtain wall systems

PERFORMANCE

- Thermal performance can achieve Ucw of 1.6 W/m2K.
- Thermal Break frameless outward opening vent panels can be incorporated

INSTALLATION

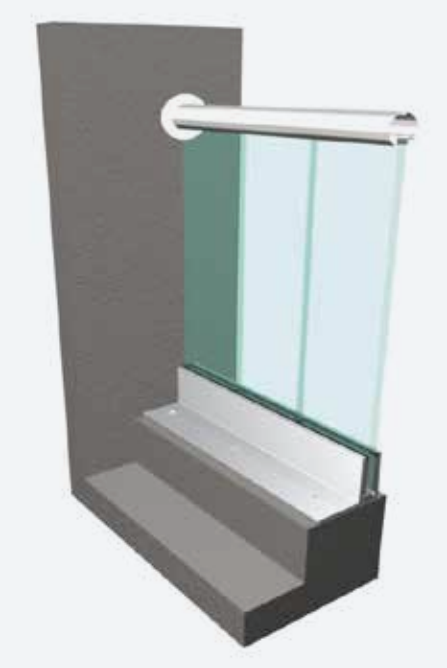
- Neat fully sealed weatherseal joints plus a special continuous gutter gasket providing a drainage system as well as two lines of defence against water ingress.

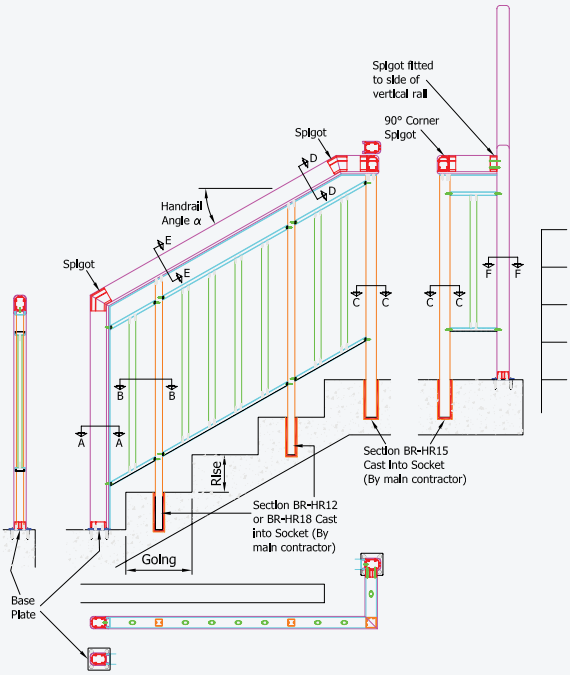
DISCOVER MORE ON OUR WEBSITE

HR-1-156

Handrails and balustrades

The Jalal aluminium handrail sections are from extruded aluminium and are available as either a one piece or two piece extruded section. The handrail sections are supported at the ends by means of circular stainless steel plates, which are screw fxed to the handrail and the adjacent structure. Intermediate fxing can be provided by posts (supplied by fabricators), which are fxed to the top of the concrete and then secured to the handrail via a purpose extruded plate.





HR-1-156

System Performance

SIZE

- Can accommodate glass panels up to 20mm in thickness.

DESIGN

- Designed to resist loads in accordance with the standard BS 6180.
- Designed as a lightweight but robust balustrade system suitable for residential and commercial applications.
- Base fixings designed to be used fixed to the top surface of the structure or embedded into the concrete.

PERFORMANCE

- Longer spans can be achieved using intermediate support posts fixed to the handrail with purpose designed aluminium plates.
- Manufactured to exacting standards enabling economy to be combined with strength to provide many years of trouble free operation.

DISCOVER MORE ON OUR WEBSITE

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info@jalalfs.com

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JALAL FACADE SYSTEM

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