



CAPABILITY STATEMENT

INTEGRATED BUILDING SOLUTIONS DELIVERED AS ONE

 1800 VENTRA

1800 836 872

 info@ventraa.com.au

 [@ventraagroup](https://www.instagram.com/ventraagroup)

 www.ventraa.com.au

 [@ventraagroup](https://www.linkedin.com/company/ventraagroup)



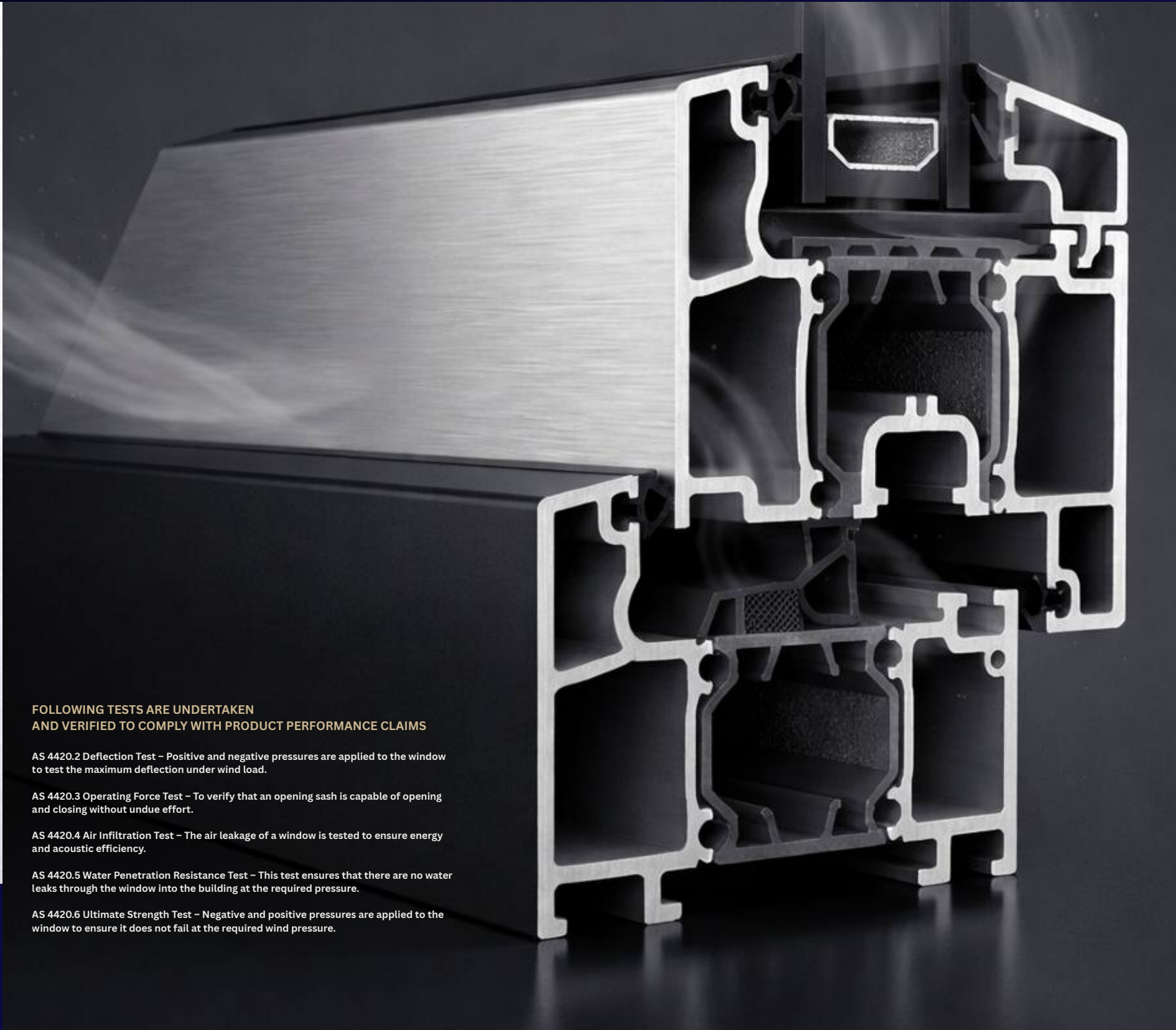
TESTING, PERFORMANCE & COMPLIANCE

“VENTRAA EXTRUSION SYSTEMS” ARE DESIGNED TO COMPLY to the Australian Standards:

- AS 2047 – Windows in Buildings – Selection and Installation.
- AS 1288 – Glass in Buildings – Selection and Installation.
- AS 5039 – Security Screen Doors and Security Window Grilles.
- AS 4666-2012 – Insulating Glass Units.
- AS 5040 – Installation of Security Screen Doors and Window Grilles.
- AS 5041 – Methods of Test – Security Screen Doors and Window Grilles.

As incorporated into the NCC.

Our products undergo full testing by Azuma Design, an accredited National Association of Testing Authorities (NATA) laboratory and are regularly audited by Intertek and SAI Global to maintain the integrity of the applicable standards.



FOLLOWING TESTS ARE UNDERTAKEN AND VERIFIED TO COMPLY WITH PRODUCT PERFORMANCE CLAIMS

- AS 4420.2 Deflection Test – Positive and negative pressures are applied to the window to test the maximum deflection under wind load.
- AS 4420.3 Operating Force Test – To verify that an opening sash is capable of opening and closing without undue effort.
- AS 4420.4 Air Infiltration Test – The air leakage of a window is tested to ensure energy and acoustic efficiency.
- AS 4420.5 Water Penetration Resistance Test – This test ensures that there are no water leaks through the window into the building at the required pressure.
- AS 4420.6 Ultimate Strength Test – Negative and positive pressures are applied to the window to ensure it does not fail at the required wind pressure.



THERMAL PERFORMANCE



STRUCTURAL TESTING



ACOUSTIC PERFORMANCE



WEATHER RESISTANCE

WHY VENTRAA GROUP



Ventraa Group brings manufacturing capability and integrated building systems together through one coordinated delivery model. By aligning windows, doors, façades, structural and interior systems from the beginning, we give builders and developers greater control over design, procurement, cost, quality and delivery while simplifying the complexity of managing multiple suppliers.

Our direct control over manufacturing, quality assurance and system coordination allows critical building interfaces, production requirements and delivery schedules to be considered as one connected process. This helps reduce duplicated scope, incompatible components, variations, rework and procurement delays—saving valuable time, protecting project margins and delivering greater certainty across the entire project lifecycle.

PROTECT MARGINS. REDUCE RISK. STRONGER OUTCOMES.

THERMAL BREAK & PERFORMANCE SYSTEMS

TECHNICAL COMPONENTS

Reinforced Polyamide Thermal Breaks: Ventraa aluminium systems incorporate high-strength polyamide thermal break technology integrated within the aluminium profiles. These engineered strips reduce thermal bridging between interior and exterior environments, improving insulation performance while maintaining structural integrity and durability.

Advanced Double / Triple Glazing Systems: Ventraa glazing systems utilise double or triple insulated glass units separated by precision warm-edge spacers. This multi-layer configuration significantly reduces heat transfer, improves energy efficiency and enhances acoustic performance for both residential and commercial environments.

INSULATED GLASS TECHNOLOGY

Dual / Triple Pane Insulated Glass Units (IGU): Ventraa insulated glass units consist of two or three glass panes hermetically sealed with desiccant-controlled cavities to maintain optimal dryness and long-term performance. The multi-pane construction creates an effective barrier against heat transfer, improving interior comfort and reducing energy consumption.

Argon Gas Filling Argon gas: Argon gas is used between glass panes to further improve thermal insulation. With lower thermal conductivity than air, argon reduces convective heat transfer within the glazing cavity, increasing overall thermal resistance and enhancing energy efficiency.

CONFIGURATIONAL FLEXIBILITY

Our façade systems support a wide range of architectural configurations to meet diverse structural and design requirements. The modular design approach enables seamless integration of sliding windows, awning systems, fixed glazing and custom façade assemblies, allowing architects and developers to achieve both aesthetic flexibility and optimal functional performance.

HARDWARE AND FINISH CUSTOMIZATION

Ventraa offers a comprehensive range of hardware options and premium finishes tailored to specific project requirements. From architectural-grade locking systems to powder-coated and anodised aluminium finishes, each component is designed for durability, low maintenance and compatibility with modern architectural styles.



QUALITY ASSURANCE AND COMPLIANCE

Ventraa systems undergo rigorous testing and validation to ensure compliance with Australian Standards and international performance benchmarks.



Thermal Performance Testing:

Evaluation of U-values and thermal break efficiency to ensure optimal thermal insulation and energy performance.



Acoustic Testing:

Measurement of sound transmission ratings (STC and OITC) to provide superior acoustic insulation in residential and commercial environments.



Structural Integrity Testing:

Comprehensive assessment of wind load resistance, impact durability and overall structural stability to ensure long-term reliability and safety.

HOW IS VENTRAA DIFFERENT FROM THE REST OF THE MARKET



DIFFERENT BY DESIGN A MORE INTELLIGENT WAY TO DELIVER BUILDING SYSTEMS

The traditional market separates structural systems, façades, windows, doors and interior solutions across multiple suppliers creating disconnected decisions, duplicated costs and competing timelines. Ventraa Group brings these systems together through one coordinated manufacturing and delivery model, creating greater alignment from design and specification through to production and delivery.

This integrated approach reduces procurement complexity, improves cost visibility and helps prevent incompatible components, variations, rework and delays. With fewer gaps between suppliers and one accountable partner coordinating the process, clients gain stronger quality control, protected project margins and greater certainty over time, cost and outcome.

FEWER GAPS. FEWER DELAYS. GREATER CERTAINTY.



Advanced EPDM Seals:

The Ventraa design integrates dual EPDM seals on the sash, providing an overlapping seal on the exterior framework. This is supplemented by a full perimeter EPDM seal, ensuring optimal weather resistance and performance under varying environmental conditions, crucial for maintaining façade integrity.

Minimalistic and Functional Design:

The Ventraa extrusion features a minimalistic design combined with semi-concealed fittings, creating a bespoke architectural façade system that balances aesthetic appeal with functional performance.

High Light Transmittance:

The Ventraa 6063-T5 aluminium extrusion design enhances light transmittance compared to conventional systems, thereby improving the visual integrity and daylighting performance of the building envelope, essential for modern façade engineering.

Proprietary Corner Bonding Technology:

Sash frame corners are connected using the proprietary Ventraa self-tightening angle bracket and high-strength adhesive, ensuring robust corner bonding and structural integrity. This is critical for maintaining the structural performance and longevity of façade systems.

Efficient Sealing and Insulation:

The assembly of windows and doors incorporates EPDM gaskets and thermal insulating foam, maximizing sealing efficiency and thermal insulation. This significantly enhances the overall energy performance of the building envelope, a key consideration in façade engineering.

High-Performance Insect Screens:

Our extruded insect screens are fabricated from stainless steel, ensuring compliance with bushfire standards and offering superior durability compared to conventional fiberglass screens. This enhances the functional performance and safety of the façade.

Polyamide Thermal Breaking System:

An optional Ventraa Polyamide Thermal Breaking System is available, designed to mitigate thermal bridging. This advanced feature significantly enhances the thermal efficiency of the façade, contributing to the overall energy performance of the building.



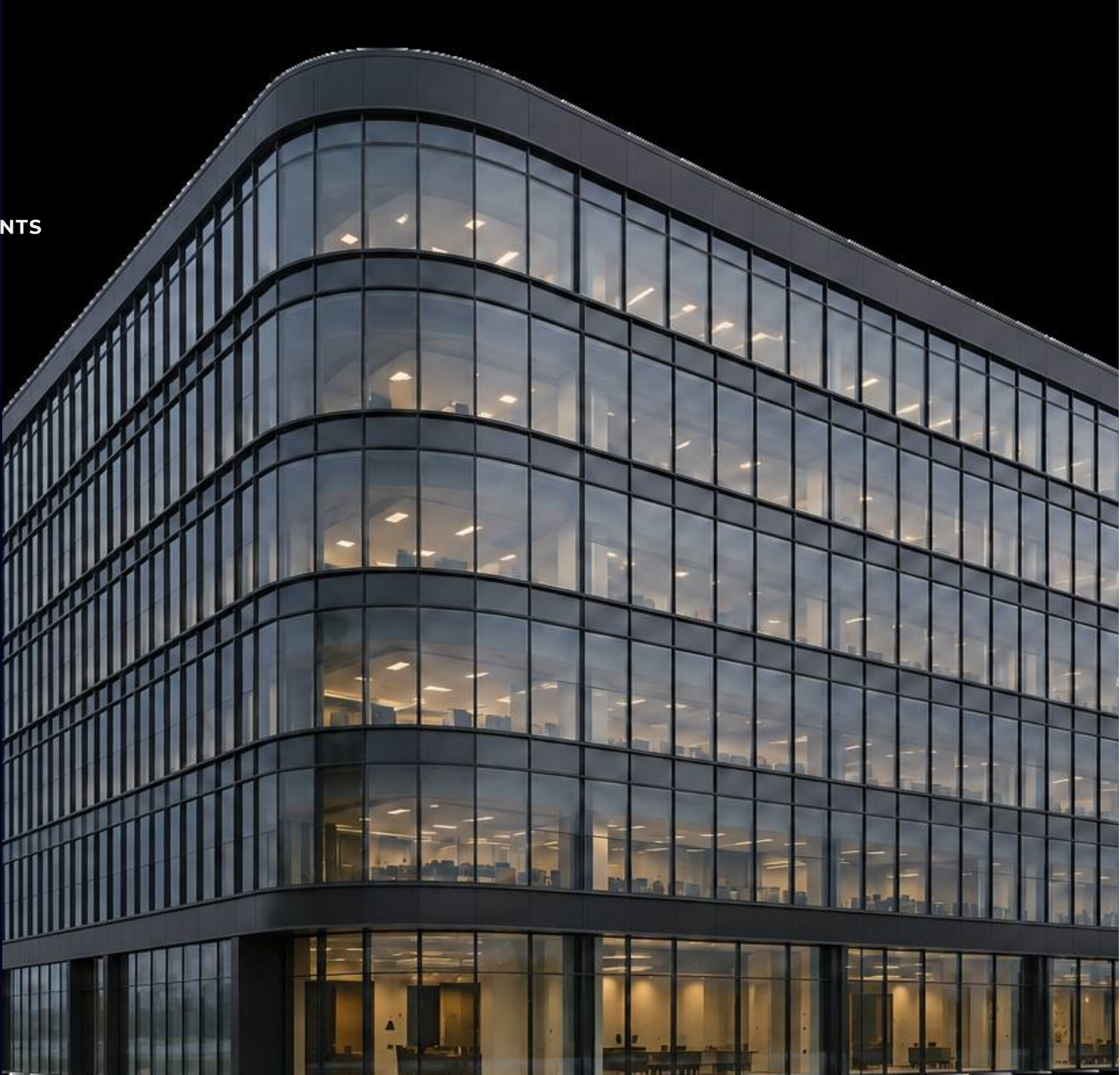
VENTRAA ALUMINIUM SYSTEMS stands at the forefront of façade engineering by delivering high-performance commercial window and door systems that integrate cutting-edge design, advanced materials, and superior engineering.

Our commitment to customization, durability, and energy efficiency ensures that our façade solutions meet the highest standards of performance, aesthetics, and sustainability.

SEMI COMMERCIAL

APPLICATION:

- RESIDENTIAL MULTI-UNIT DEVELOPMENTS
- MODULAR KIT HOMES
- TRANSPORTABLE PARK HOMES
- LOW-RISE APARTMENTS



MATERIAL:	6063-T5, ALUMINIUM ALLOY
GLASS:	5MM + 12A + 5MM, 5MM + 12ARGON + 5MM LOW-E, ETC
EXTRUSION THICKNESS:	1.50MM – 2.00MM
SURFACE TREATMENT:	AKZO/DULUX POWDER COATING, ANODIZED, PVDF COATING AND ELECTROPLATING
REVEALS:	PRIMED PINEWOOD TIMBER REVEALS, EZY REVEALS AND SUBFRAME OPTIONS
HARDWARE:	DORIC, LOCKWOOD AND TRINITY (OEM)
FLYSCREEN:	SS316 MARINE GRADE STAINLESS STEEL SECURITY MESH
WARRANTY:	10+ YEARS

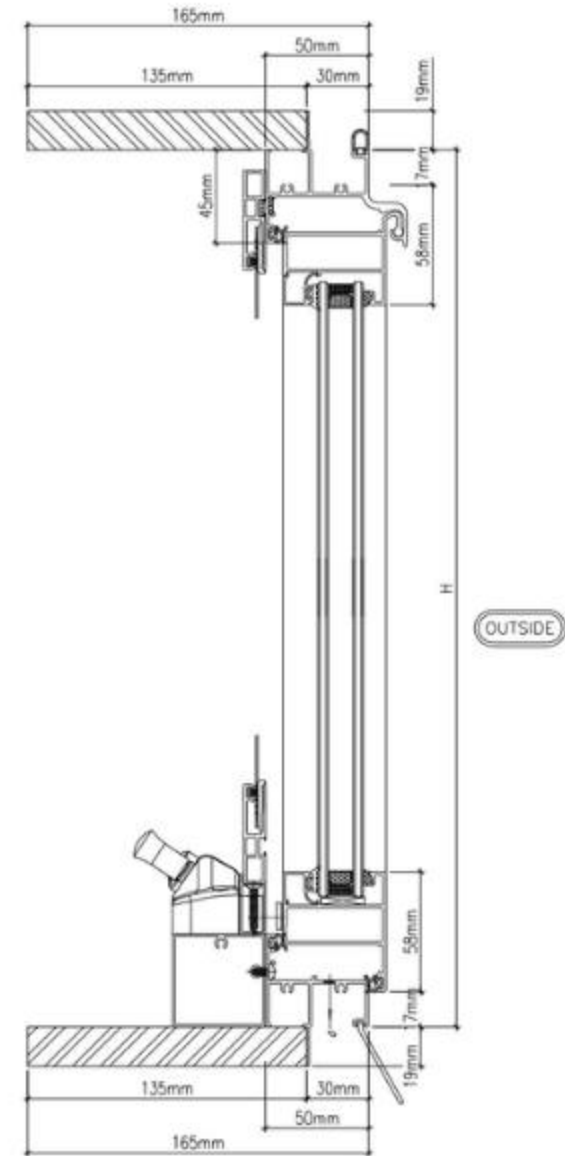
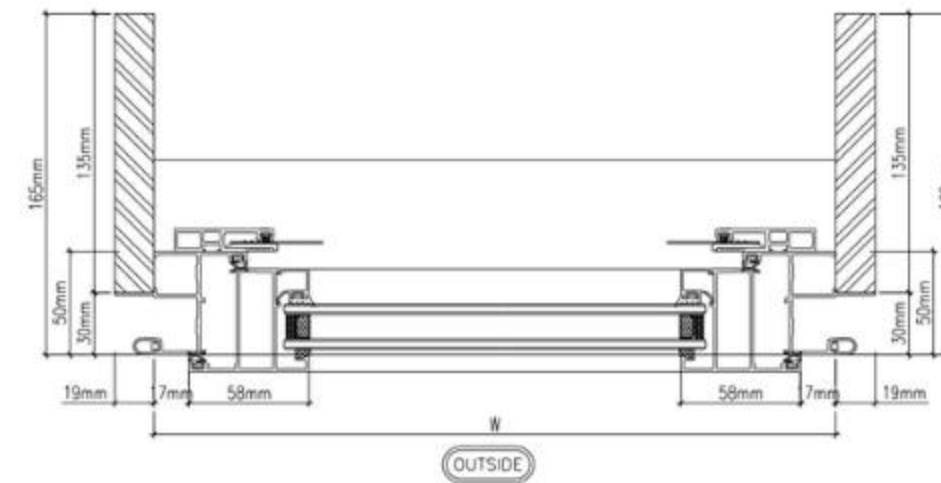
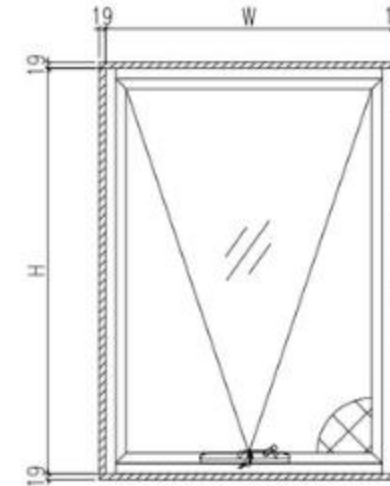
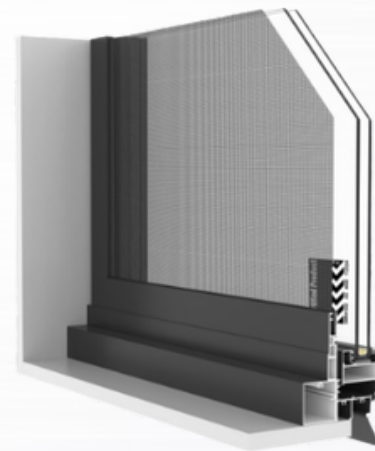
AWNING WINDOW-SEMI COMMERCIAL

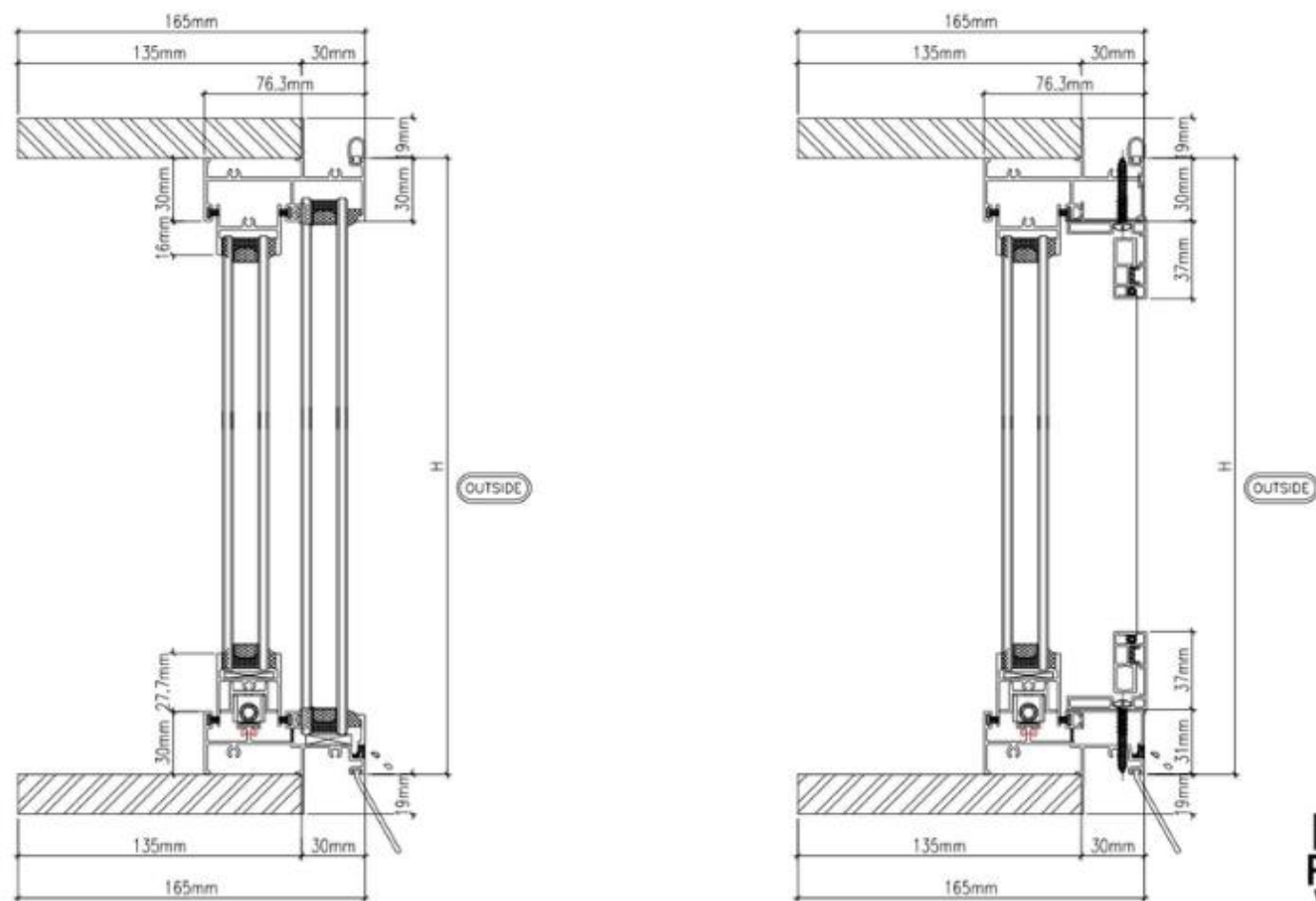
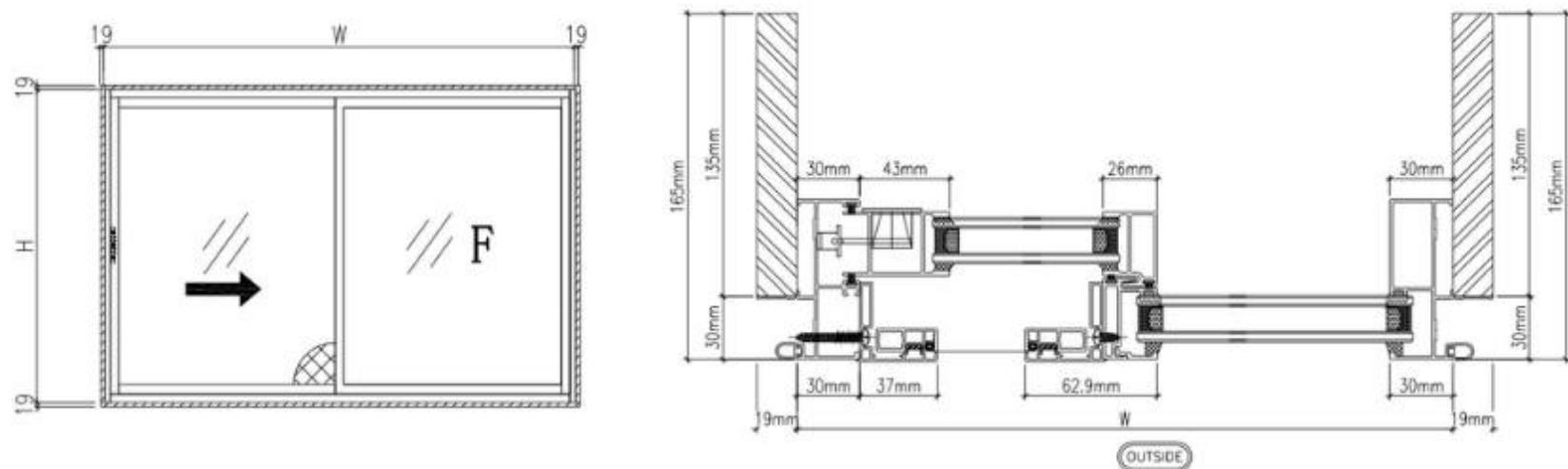
OPERABLE FAÇADE VENTILATION SYSTEM | SEMI-COMMERCIAL

THE VENTRAA AWNING WINDOW SYSTEM IS ENGINEERED TO PROVIDE CONTROLLED NATURAL VENTILATION WHILE MAINTAINING FAÇADE AIR, WATER, STRUCTURAL, AND THERMAL PERFORMANCE WITHIN SEMI-COMMERCIAL APPLICATIONS.

- Extrusion Thickness: 1.50mm – 2.00mm
- Maximum (W) Panel: 1800mm
- Maximum (H) Panel: 3000mm
- Max Glazing Thickness: 27mm
- SHGC Value: 0.58 – 0.74
- U-Value: 3.00W/M²K – 3.70W/M²K

- Aluminium framing engineered for wind actions to AS/NZS 1170
- Double / Triple-glazed IGUs compliant with AS 1288 / AS 2208
- Compression-sealed sash improving air infiltration performance
- Friction Stay hardware designed to resist wind-induced opening loads
- Suitable for integration within semi-commercial façade glazing systems





SLIDING WINDOW-SEMI COMMERCIAL

HIGH-DURABILITY OPERABLE GLAZING | SEMI-COMMERCIAL

THE VENTRAA SLIDING WINDOW SYSTEM IS ENGINEERED TO DELIVER FAÇADE CONSISTENCY, SMOOTH OPERATION, AND LONG-TERM OPERATIONAL STABILITY ACROSS SEMI-COMMERCIAL GLAZING APPLICATIONS.

- Extrusion Thickness: 1.50mm – 2.00mm
- Maximum (W) Sash: 1500mm
- Maximum (H) Sash: 2400mm
- Maximum Glazing Thickness: 27mm
- SHGC Value: 0.58 – 0.74
- U-Value: 3.0 – 3.7 W/m²K

- Reinforced aluminium extrusions limiting deflection under service loads
- Interlocking meeting stiles improving air leakage performance to AS/NZS 2047
- Double / Triple-glazed configurations enhancing thermal and acoustic outcomes
- Heavy-duty roller assemblies engineered for high-cycle operation
- Suitable for semi-commercial Infill and façade glazing systems



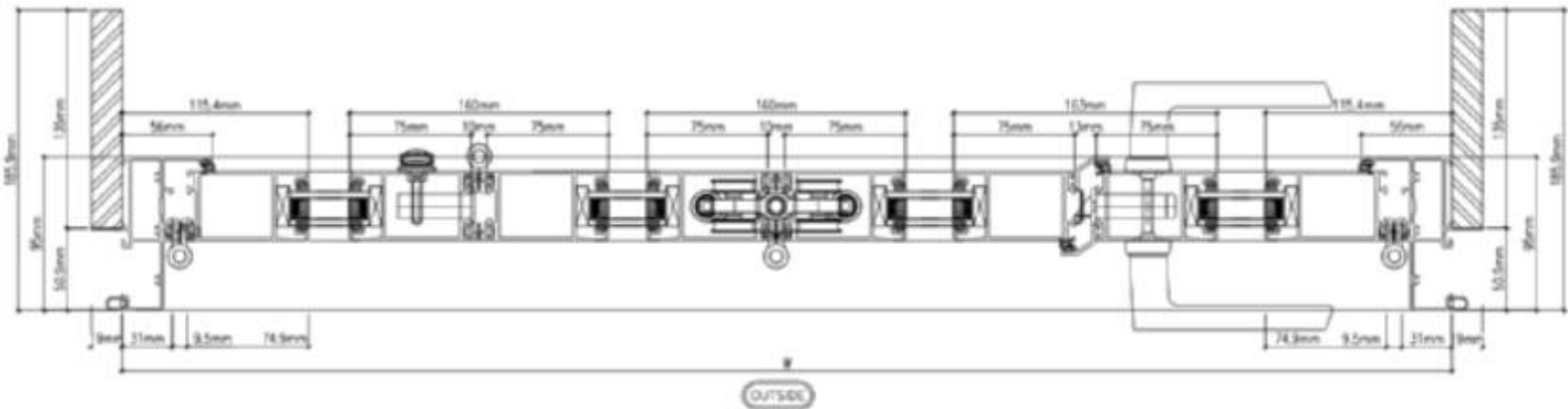
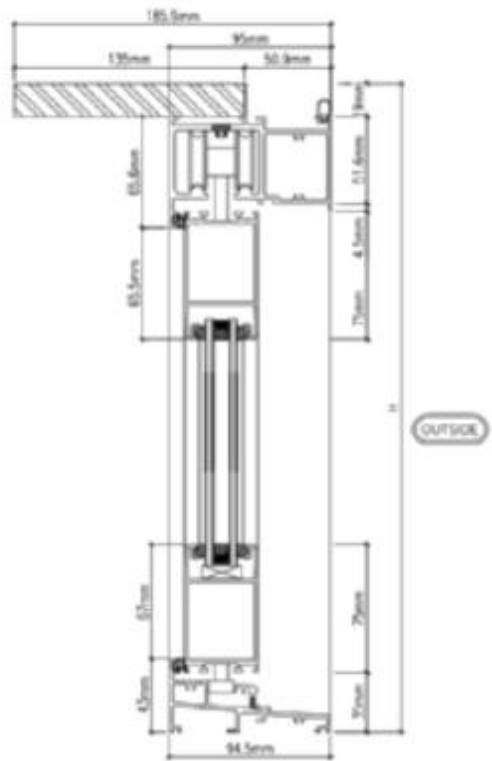
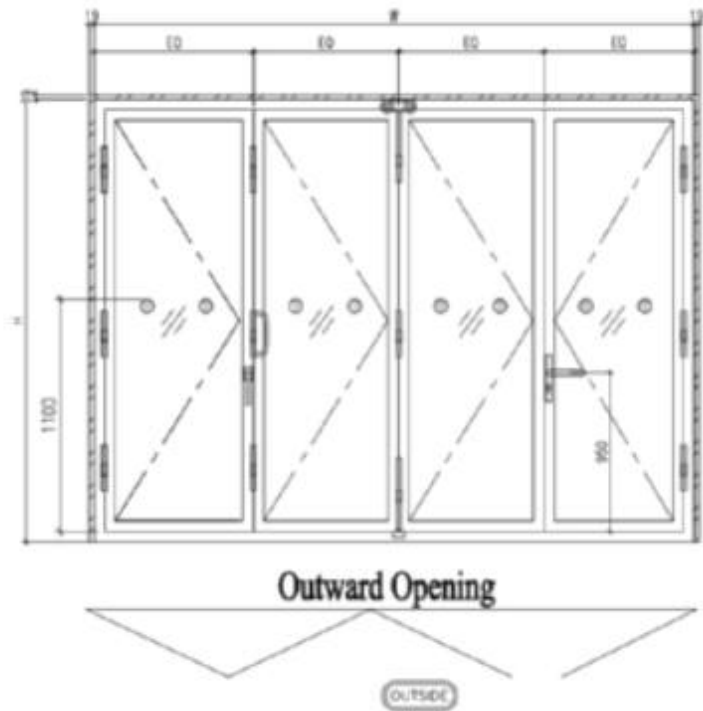
BIFOLDING DOOR-SEMI COMMERCIAL

LARGE-SPAN OPERABLE FAÇADE SYSTEM | SEMI-COMMERCIAL

THE VENTRAA BIFOLDING DOOR SYSTEM IS ENGINEERED TO ACCOMMODATE LARGE FAÇADE OPENINGS WHILE MAINTAINING PANEL ALIGNMENT, SMOOTH OPERATION, AND RELIABLE ENVIRONMENTAL CONTROL.

- Extrusion Thickness: 1.50mm–2.00mm
- Maximum (W) Sash: 950mm
- Maximum (H) Sash: 2700mm
- Max Glazing Thickness: 27mm
- SHGC Value: 0.58–0.74
- U-Value: 3.00W/M²K – 3.70W/M²K

- Aluminium Mullions and Rails engineered for panel weight and span
- Double / Triple safety glazing compliant with AS 1288 / AS 2208
- Load-rated roller and track systems designed to manage dead and live loads
- Multi-point locking system assisting sash alignment and sealing
- Integrated weather management detailing reducing air and water ingress



CASEMENT DOOR-SEMI COMMERCIAL

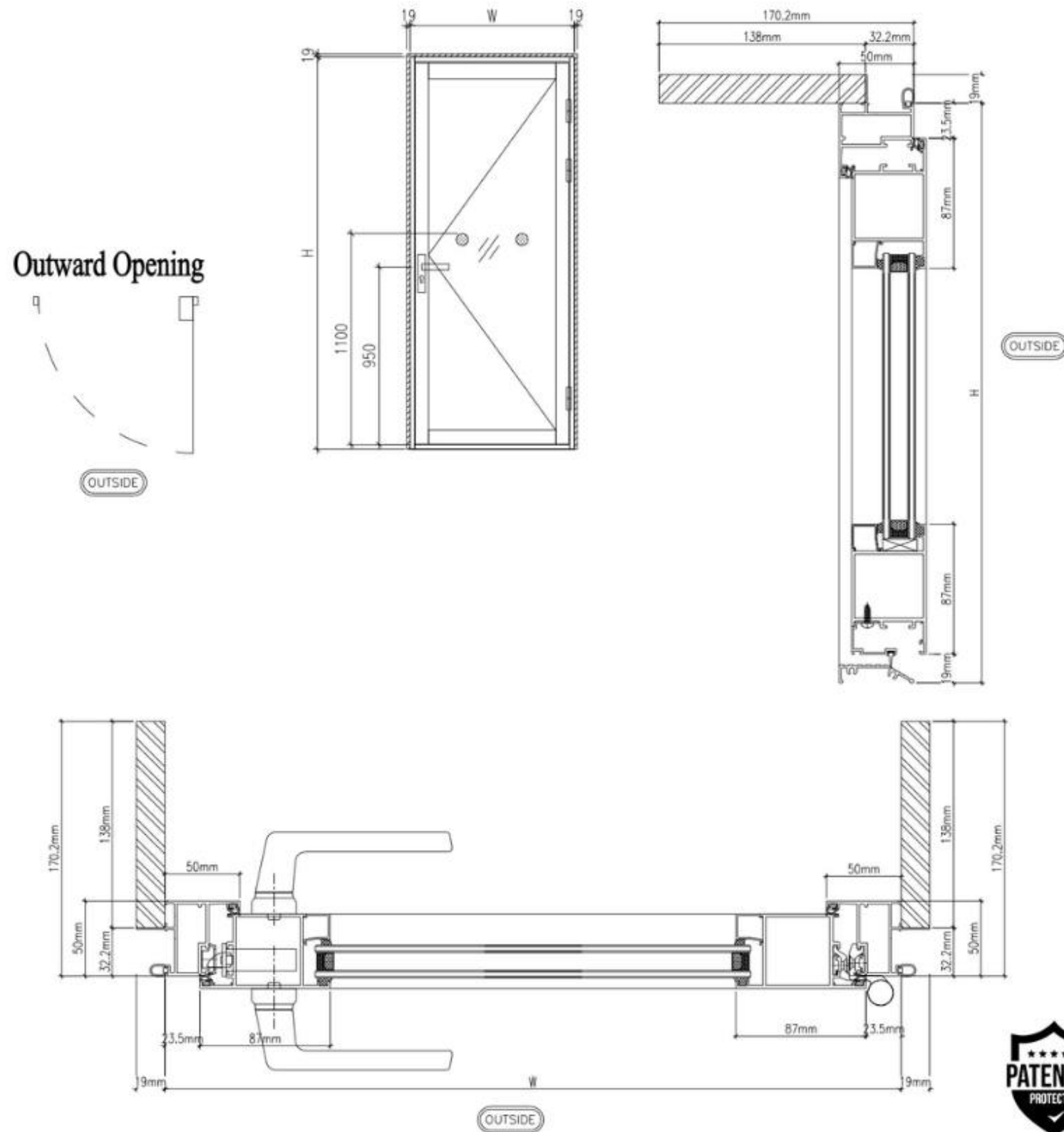
(DDA) COMPLIANT HINGED FAÇADE DOOR | SEMI-COMMERCIAL

THE VENTRAA CASEMENT DOOR SYSTEM IS ENGINEERED TO DELIVER COMPLIANT ACCESS WITHIN SEMI-COMMERCIAL FAÇADES WHILE MAINTAINING FAÇADE CONTINUITY AND RELIABLE THRESHOLD PERFORMANCE.

- Extrusion Thickness: 1.50mm – 2.00mm
- Maximum (W) Sash: 900mm
- Maximum (H) Sash: 2700mm
- Maximum Glazing Thickness: 27mm
- SHGC Value: 0.58 – 0.74
- U-Value: 3.0 – 3.7 W/m²K

Flush threshold compliant with AS 1428.1 for accessible circulation

- Extrusion geometry designed to integrate compliant floor build-ups and drainage
- Double / Triple-glazed sash improving thermal and Acoustic Performance
- Compression seals maintaining façade envelope performance at accessible thresholds
- DDA-compliant heavy-duty hardware and accessories engineered for high-traffic environments



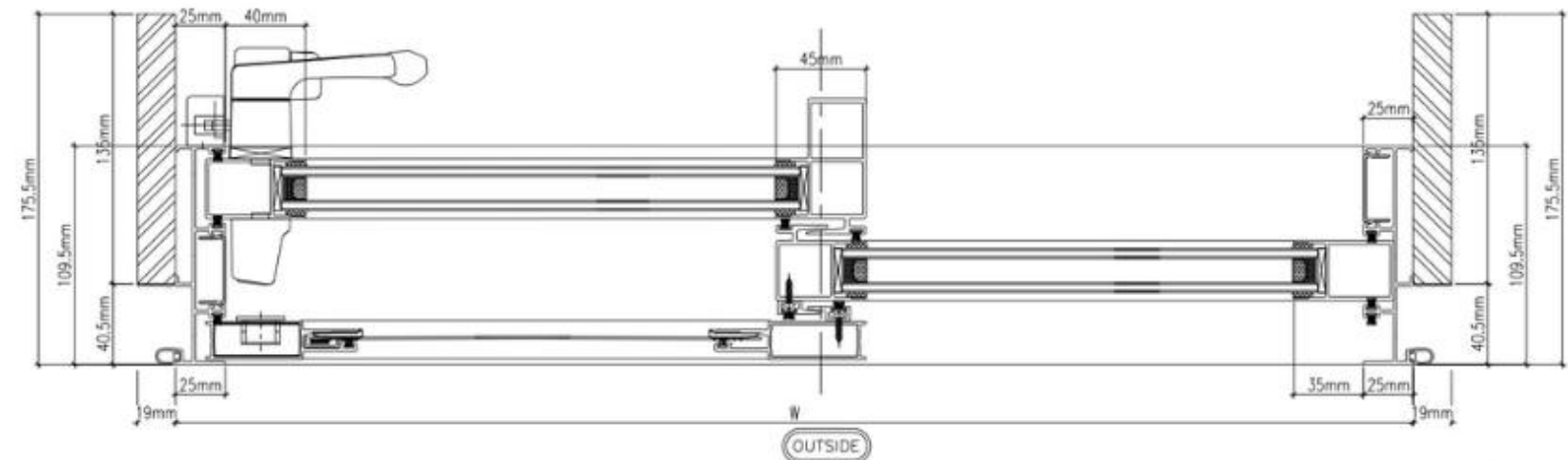
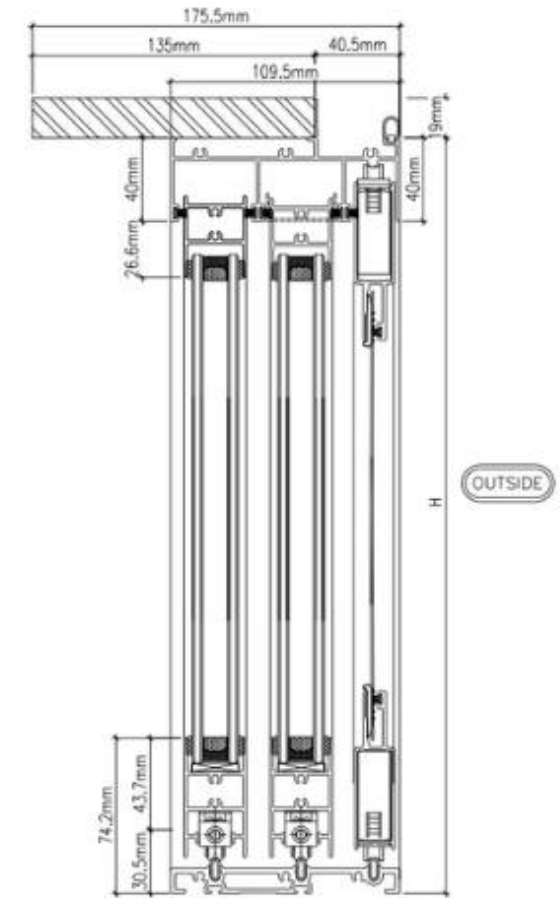
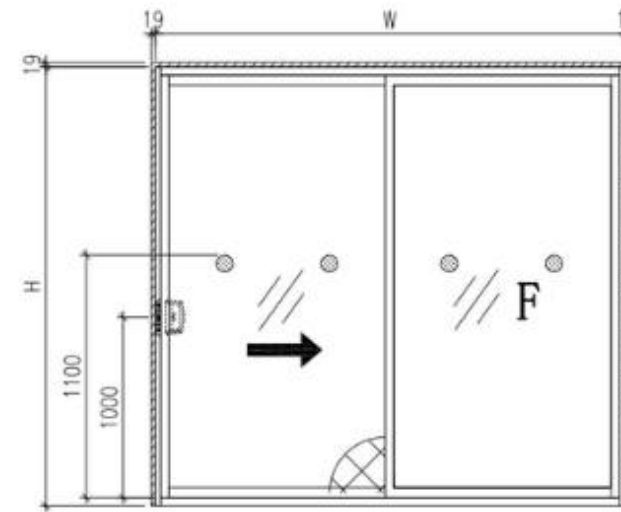
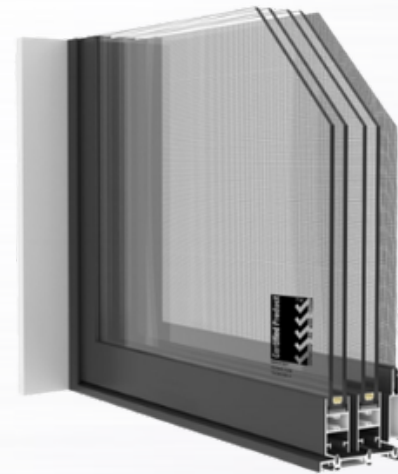
SLIDING DOOR-SEMI COMMERCIAL

ACCESSIBLE LARGE-FORMAT FAÇADE OPENING | SEMI-COMMERCIAL

THE VENTRAA SLIDING DOOR SYSTEM IS ENGINEERED TO DELIVER ACCESSIBLE CIRCULATION OPENINGS WITHIN SEMI-COMMERCIAL FAÇADE APPLICATIONS WHILE MAINTAINING STRUCTURAL STABILITY AND SMOOTH OPERATIONAL PERFORMANCE.

- Extrusion Thickness: 1.50mm–2.00mm
- Maximum (W) Sash: 1200mm
- Maximum (H) Sash: 2700mm
- Max Glazing Thickness: 27mm
- SHGC Value: 0.58–0.74
- U-Value: 3.05W/M²K – 3.79W/M²K

- DDA-compliant threshold geometry to AS 1428.1
- Double / Triple-glazed sashes improving thermal resistance across large openings
- Heavy-duty roller systems engineered to support increased sash weights
- Precision track tolerances reducing operating forces and improving alignment
- Suitable for public, retail, and high-use environments



STACKER DOOR-SEMI COMMERCIAL

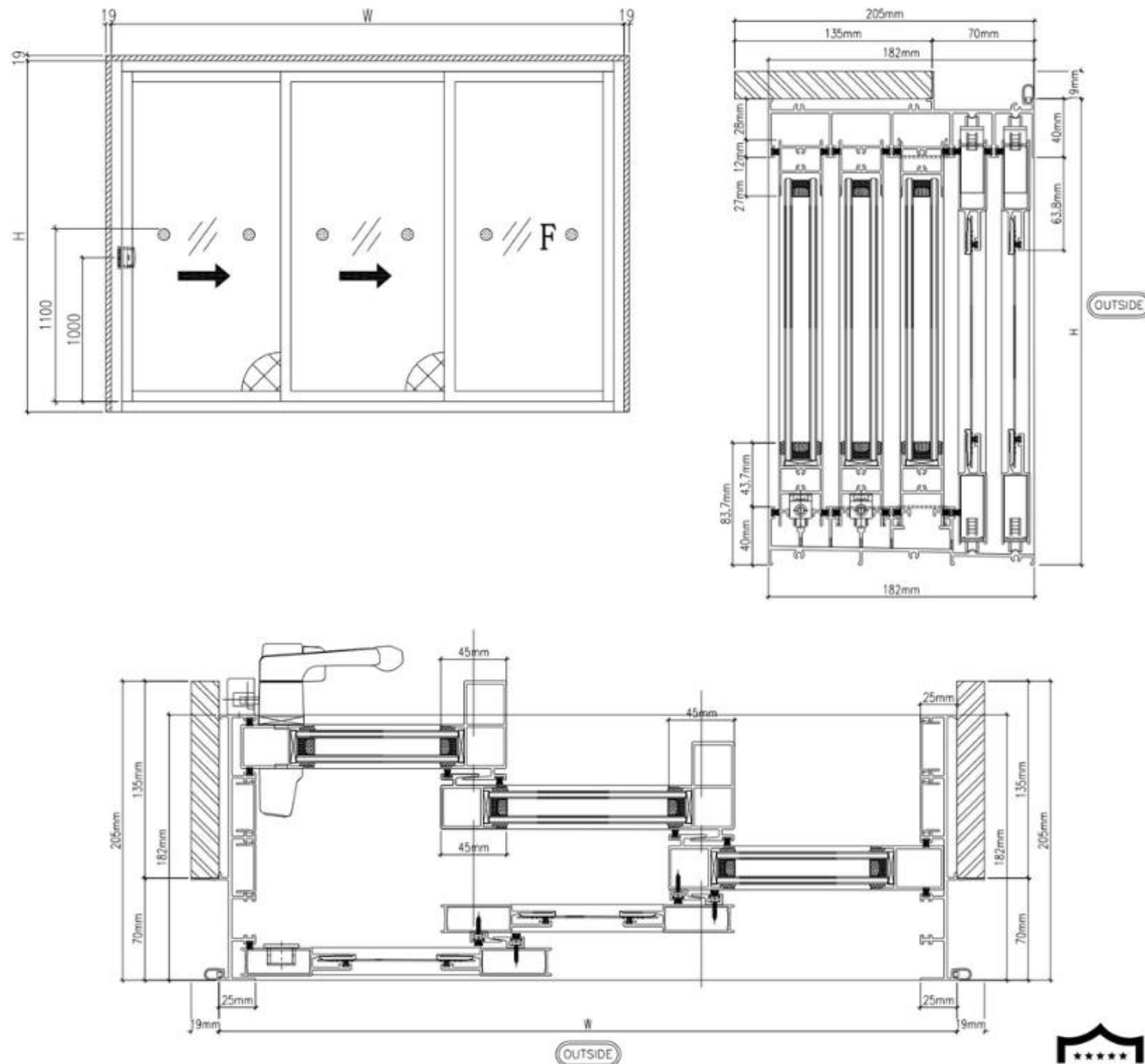
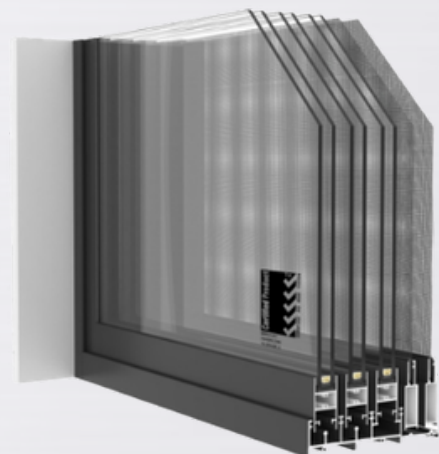
MULTI-PANEL ACCESSIBLE FAÇADE SYSTEM | SEMI-COMMERCIAL

THE VENTRAA STACKER DOOR SYSTEM IS ENGINEERED TO DELIVER WIDE FAÇADE OPENINGS WHILE MAINTAINING STRUCTURAL STABILITY, SMOOTH OPERATION, AND LONG-TERM FAÇADE PERFORMANCE.

- Extrusion Thickness: 1.50mm – 2.00mm
- Maximum (W) Sash: 1200mm
- Maximum (H) Sash: 2700mm
- Maximum Glazing Thickness: 27mm
- SHGC Value: 0.58 – 0.74
- U-Value: 3.05 – 3.7 9W/m²K

Multi-track configuration supporting large opening widths

- Reinforced aluminium extrusion framing engineered for wind and serviceability loads
- Double / Triple safety glazing compliant with AS 1288 / AS 2208
- Load-rated roller and track assemblies designed for smooth sash operation
- Sealing strategy designed to manage air and water infiltration at sash junctions



THERM

APPLICA

LUXURY

HIGH-R

PASSIVE

64-T5, ALUMINIUM ALLOY

4 + 18A + 6MM,
4 + 27ARGON + 6MM LOW-E, ETC

0MM – 3.00MM

HO/DULUX POWDER COATING, ANODIZED,
OF COATING AND ELECTROPLATING

2 LINED PINEWOOD TIMBER REVEALS, EZY
EVEALS AND SUBFRAME OPTIONS

PO, SIEGENIA, CMECH AND ROTO

FLYSCREEN: 316 MARINE GRADE STAINLESS
EL SECURITY MESH

WARRANTY: 10 YEARS

CASEMENT WINDOW | THERMAL BREAKING

THERMALLY BROKEN OPERABLE FAÇADE | THERMAL BREAKING

THE VENTRAA CASEMENT WINDOW SYSTEM IS ENGINEERED TO DELIVER HIGH-PERFORMANCE THERMAL INSULATION, AIR AND WATER TIGHTNESS, AND STRUCTURAL RELIABILITY ACROSS COMMERCIAL AND HIGH-END RESIDENTIAL FAÇADES.

- Extrusion Thickness: 2.00mm
- Maximum (W) Sash: 1000mm
- Maximum (H) Sash: 2700mm
- Maximum Glazing Thickness: 40mm
- SHGC Value: 0.58 – 0.74
- U-Value: 1.654 W/M²K-2.21W/M²K

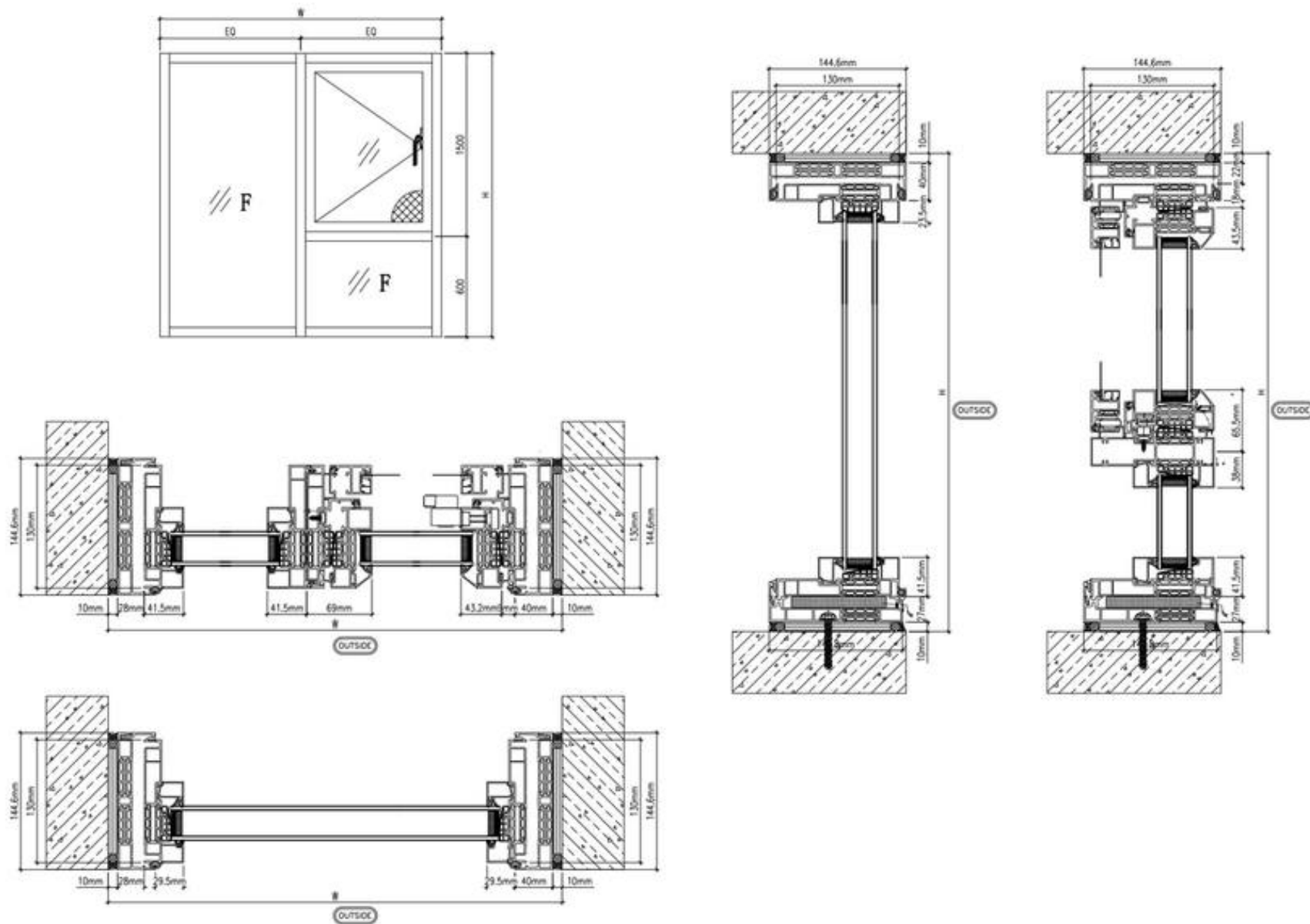
Thermally broken extrusion system with polyamide isolators engineered for wind loads to AS/NZS 1170

- Double / Triple glazed IGUs with laminated glass and Low-E coatings compliant with AS 1288 / AS 2208

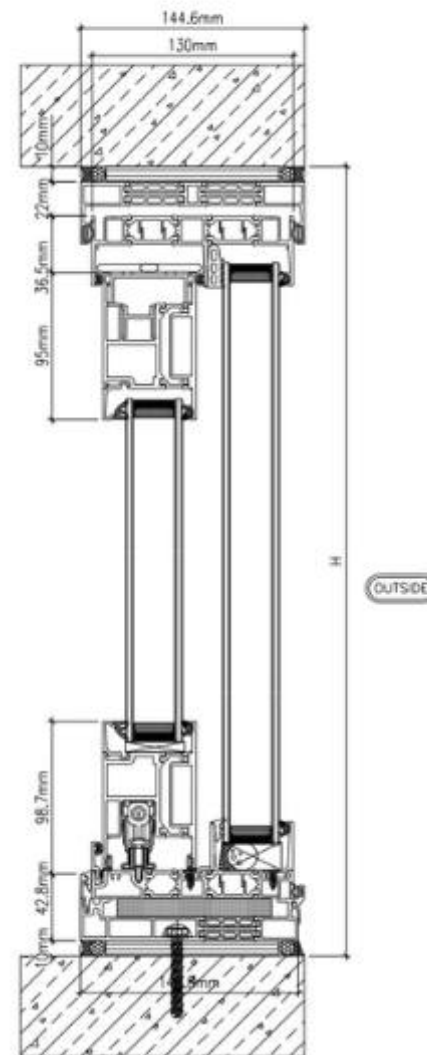
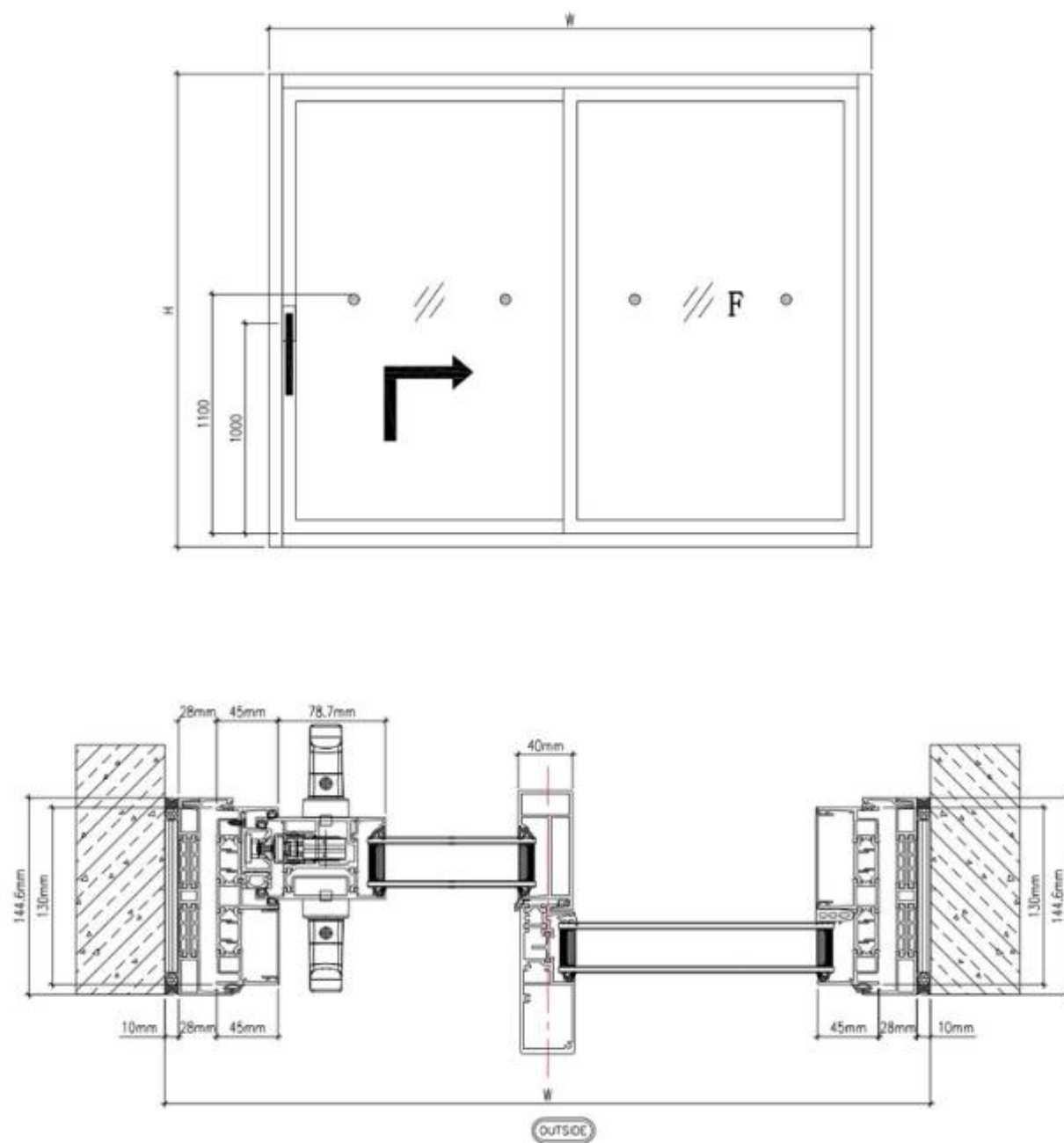
- Compression-sealed sash with high-performance EPDM gaskets delivering enhanced air and water resistance to AS/NZS 4284

Heavy-duty stainless steel hinges and friction hardware engineered for wind-induced sash loads and high-cycle operation

- Precision-engineered sill and frame interfaces coordinating with façade drainage and waterproofing systems



LIFT-AND-SLIDE DOOR | THERMAL BREAKING

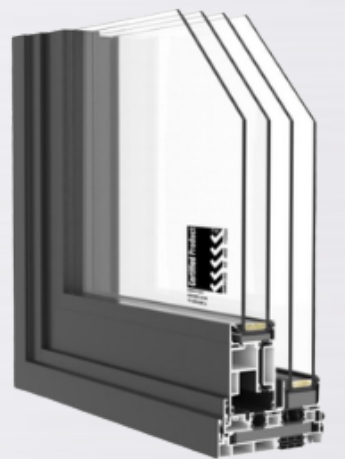


THERMALLY BROKEN LARGE-FORMAT FAÇADE OPENING | THERMAL BREAKING

THE VENTRAA LIFT-AND-SLIDE DOOR SYSTEM IS ENGINEERED FOR LARGE-SPAN FAÇADE OPENINGS, DELIVERING SUPERIOR THERMAL PERFORMANCE, STRUCTURAL CAPACITY, AND LONG-TERM OPERATIONAL RELIABILITY.

- Extrusion Thickness: 2.00mm–3.00mm
 - Maximum (W) Sash: 2000mm
 - Maximum (H) Sash: 3600mm
 - Max Glazing Thickness: 28.5mm
 - SHGC Value: 0.40–0.80
 - U-Value: 1.8W/M²K – 3.6W/M²K

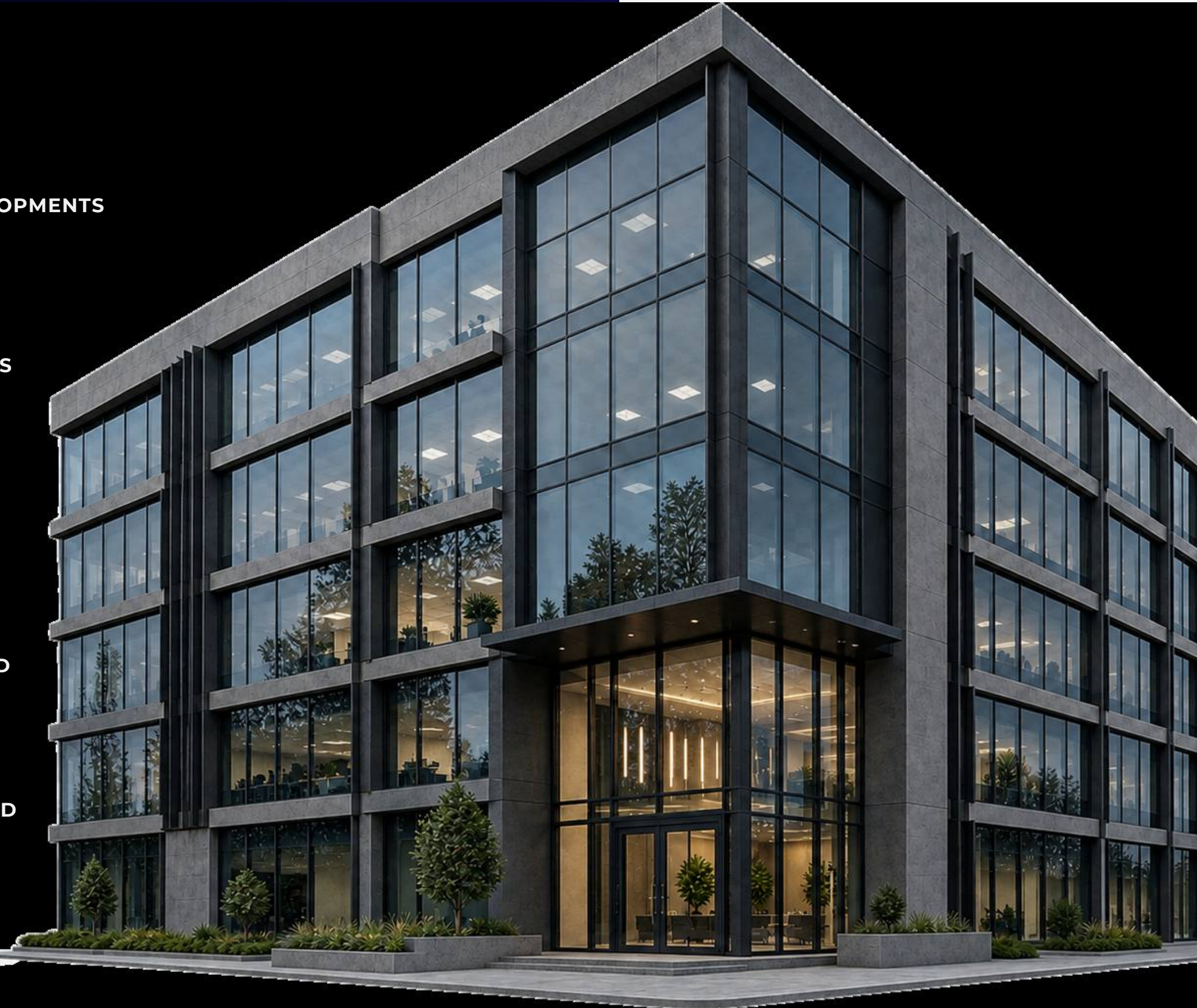
 - Thermally broken extrusion system with reinforced polyamide isolators engineered for wind loads to AS/NZS 1170
 - Double / Triple laminated IGUs with Low-E coatings compliant with AS 1288 / AS 2208
 - Precision-engineered lift-and-slide hardware supporting sash weights exceeding 500kg per panel
 - Multi-point compression sealing with EPDM gaskets and integrated drainage for air and water performance
 - DDA-compliant threshold geometry to AS 1428.1, coordinated with floor finishes and waterproofing systems



COMMERCIAL

APPLICATION:

- COMMERCIAL MIXED-USE DEVELOPMENTS
- RETAIL AND HOSPITALITY SPACES
- HEALTHCARE FACILITIES AND MEDICAL CENTRES
- EDUCATIONAL INSTITUTIONS AND CAMPUSES
- AIRPORTS, TRANSPORT HUBS AND PUBLIC INFRASTRUCTURE



MATERIAL:	6063-T5, ALUMINIUM ALLOY
GLASS:	6MM + 12A + 6MM 6MM + 12 ARGON + 6MM LOW-E, ETC.
EXTRUSION THICKNESS:	2.00MM-3.00MM
SURFACE TREATMENT:	AKZO/DULUX POWDER COATING, ANODIZED, PVDF COATING AND ELECTROPLATING
SUB-FRAME:	SUB-HEAD, SUB-SILL AND SUB-JAMB
HARDWARE:	DORIC, LOCKWOOD AND TRINITY (OEM)
FLYSCREEN:	SS316 MARINE-GRADE STAINLESS STEEL SECURITY MESH
WARRANTY:	15+ YEARS

AWNING WINDOW | COMMERCIAL

OPERABLE FAÇADE ADE VENTILATION SYSTEM | COMMERCIAL

THE VENTRAA AWNING WINDOW SYSTEM IS ENGINEERED TO DELIVER CONTROLLED NATURAL VENTILATION WHILE MAINTAINING COMMERCIAL-GRADE FAÇADE PERFORMANCE ACROSS AIR, WATER, STRUCTURAL, AND THERMAL REQUIREMENTS.

- Extrusion Thickness: 1.50mm–2.00mm
- Maximum (W) Sash: 1800mm
- Maximum (H) Sash: 3200mm
- Max Glazing Thickness: 27mm
- SHGC Value: 0.58–0.74
- U-Value: 3.00W/M²K – 3.70W/M²K

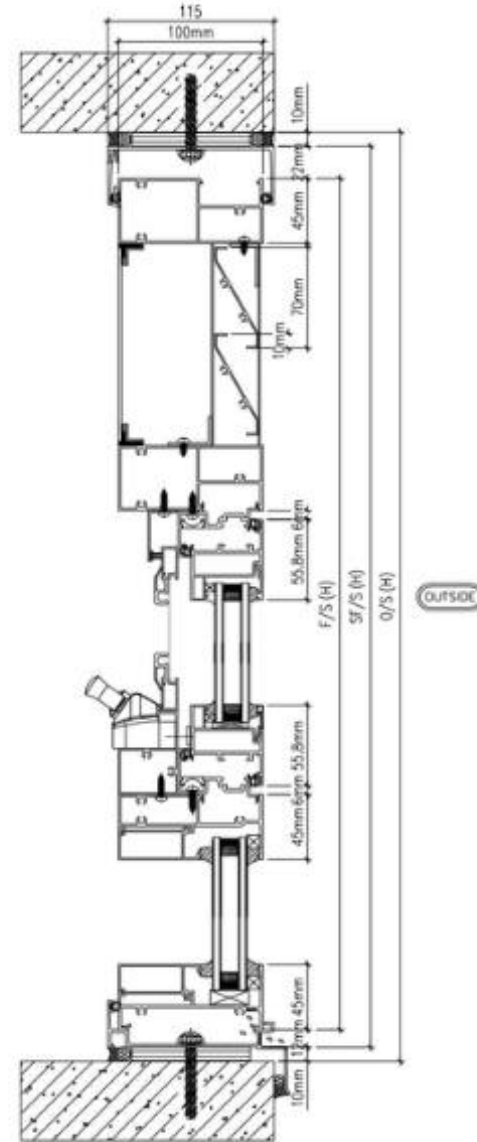
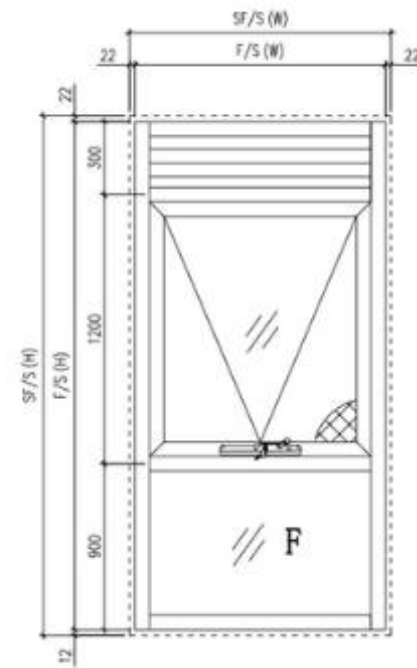
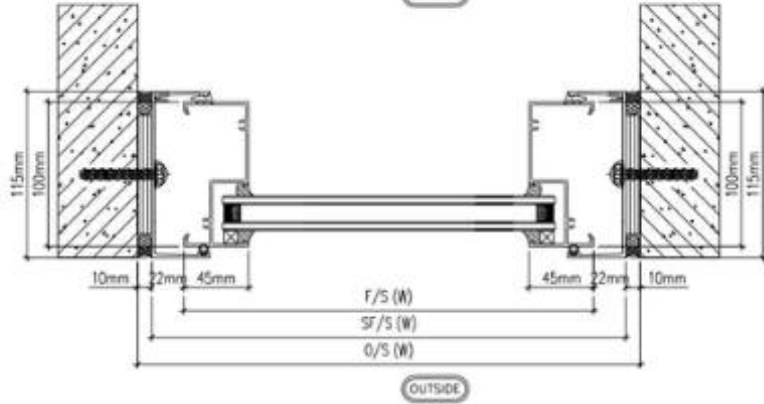
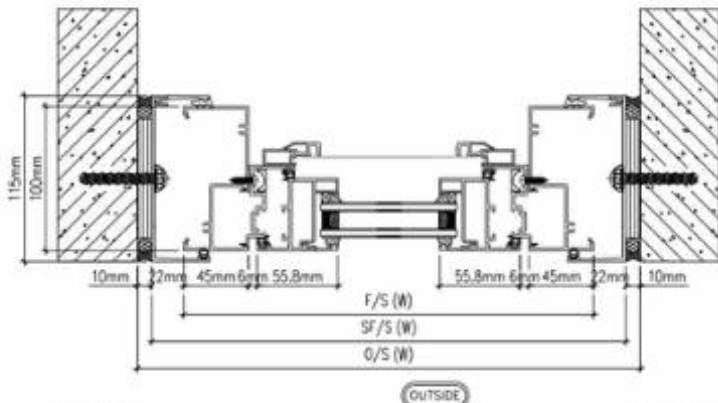
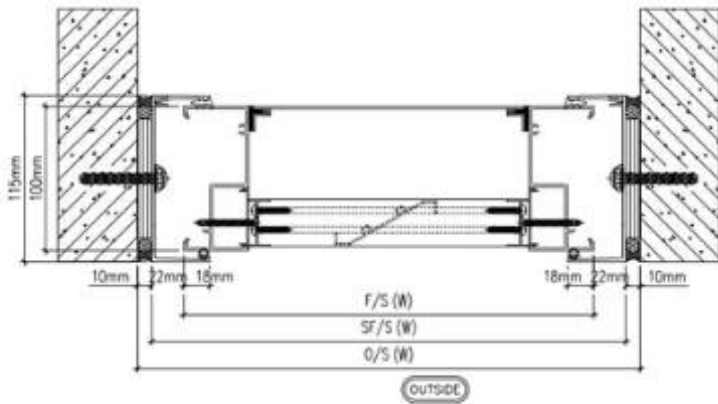
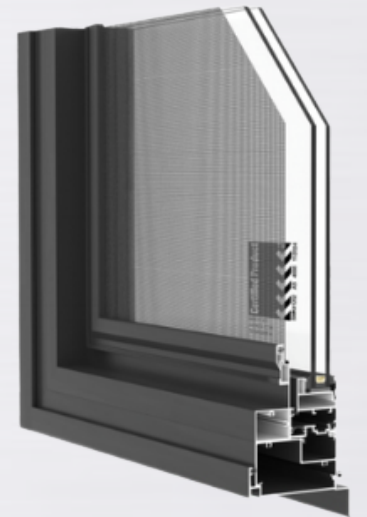
• Thermal / Non-Thermal breaking system designed for wind actions AS/NZS 1170

• Double / Triple-glazed laminated IGUs compliant with AS 1288 / AS 2208

• Compression-sealed operable sash for air and water performance

• Heavy-duty hardware resisting wind-induced opening loads

• Suitable for curtain wall and commercial façade integration



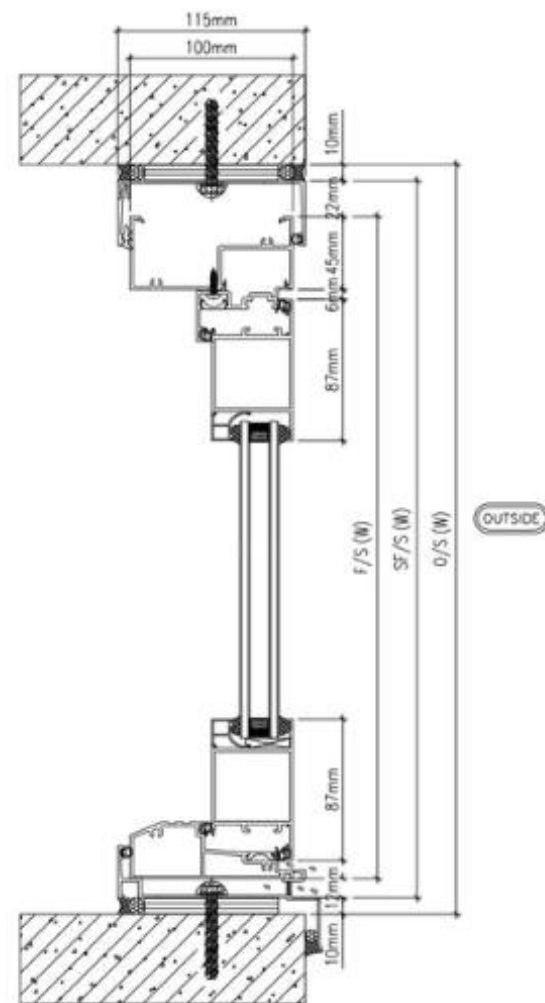
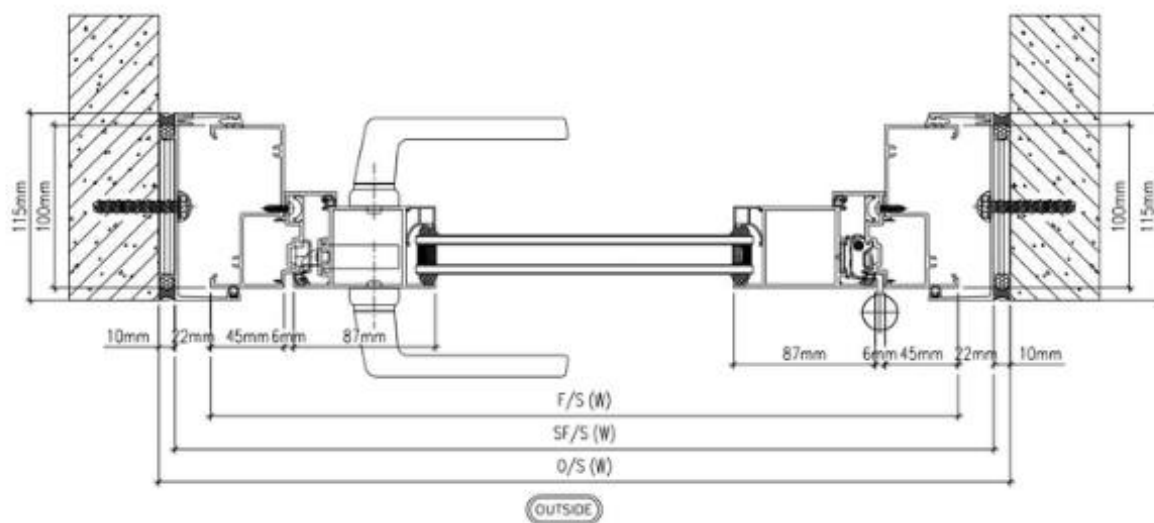
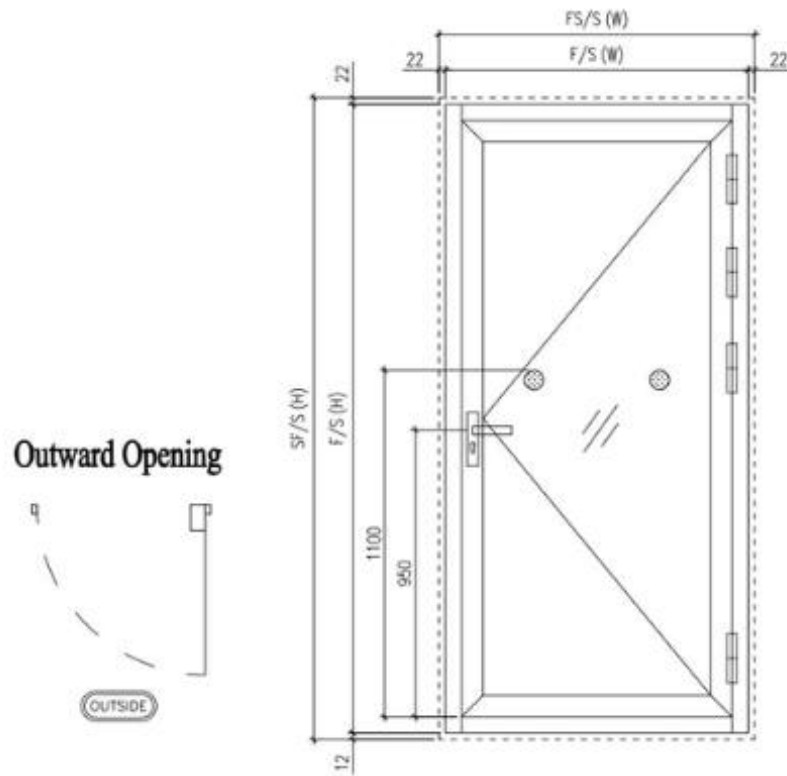
CASEMENT DOOR | COMMERCIAL

ACCESSIBLE (DDA) COMPLIANT HINGED FAÇADE DOOR | COMMERCIAL

The Ventraa Casement Door System is engineered to deliver compliant commercial access while maintaining façade continuity and performance at threshold interfaces.

- Extrusion Thickness: 1.50mm – 2.00mm
- Maximum (W) Sash: 900mm
- Maximum (H) Sash: 2700mm
- Maximum Glazing Thickness: 27mm
- SHGC Value: 0.58 – 0.74
- U-Value: 3.0 – 3.00W/M²K – 3.70W/M²K

- Flush DDA-Compliant Threshold to AS 1428.1.
- Thermally optimised Extrusion Geometry integrating Floor Build-Ups and Drainage.
- Double/Triple-Glazed laminated Sash for Thermal and Acoustic Performance.
- Compression Seals maintaining Façade envelope Performance.
- Commercial-Grade (DDA)-Compliant Hardware/Accessories for High-Traffic Environments.

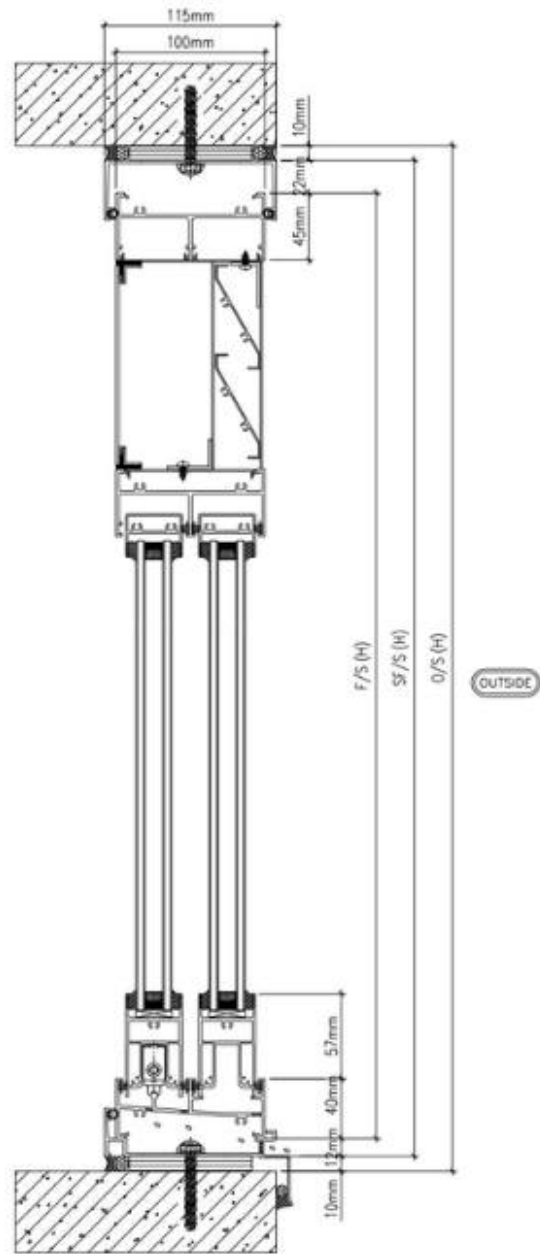
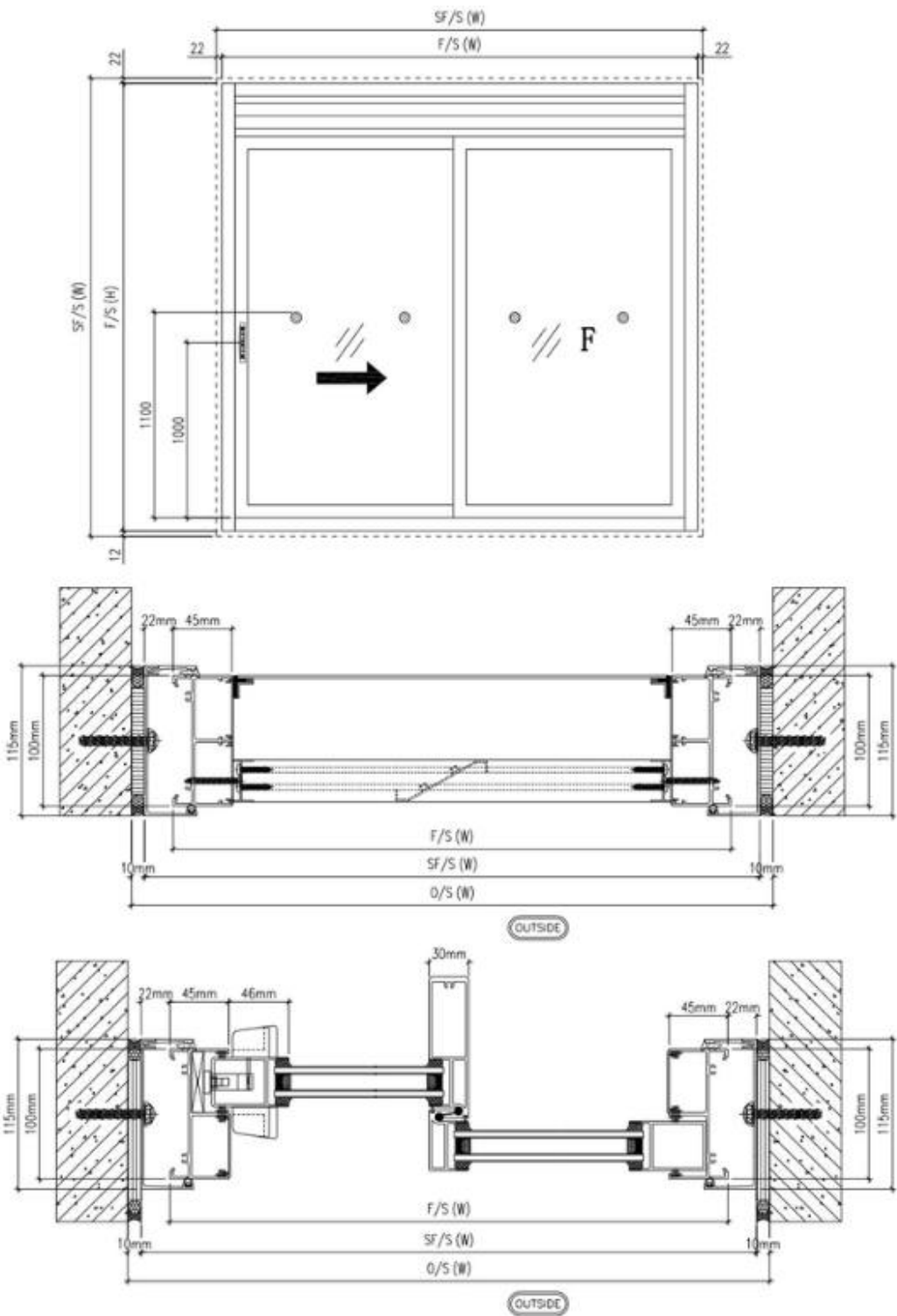
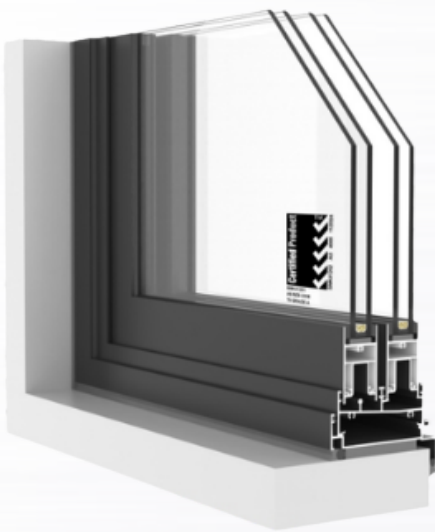


SLIDING DOOR | COMMERCIAL

ACCESSIBLE LARGE-FORMAT FAÇADE OPENING | COMMERCIAL

The Ventraa Sliding Door System incorporating integrated Louvre Panels is engineered to provide controlled Ventilation while maintaining Commercial Facade Performance and Accessibility.

- Extrusion Thickness: 1.50mm–2.00mm
- Maximum (W) Sash: 1200mm
- Maximum (H) Sash: 2700mm
- Max Glazing Thickness: 27mm
- SHGC Value: 0.58–0.74
- U-Value: 3.05W/M²K – 3.79W/M²K
- Thermal/Non-Thermal Breaking System designed to AS/NZS 1170.
- Double/Triple-Glazed laminated door sashes to AS 1288 / AS 2208.
- Structurally integrated Aluminium Louvre Modules engineered for Wind Loads.
- High-Capacity Roller Systems for increased Sash and Louvre Weights.
- DDA-Compliant Threshold to AS 1428.1.



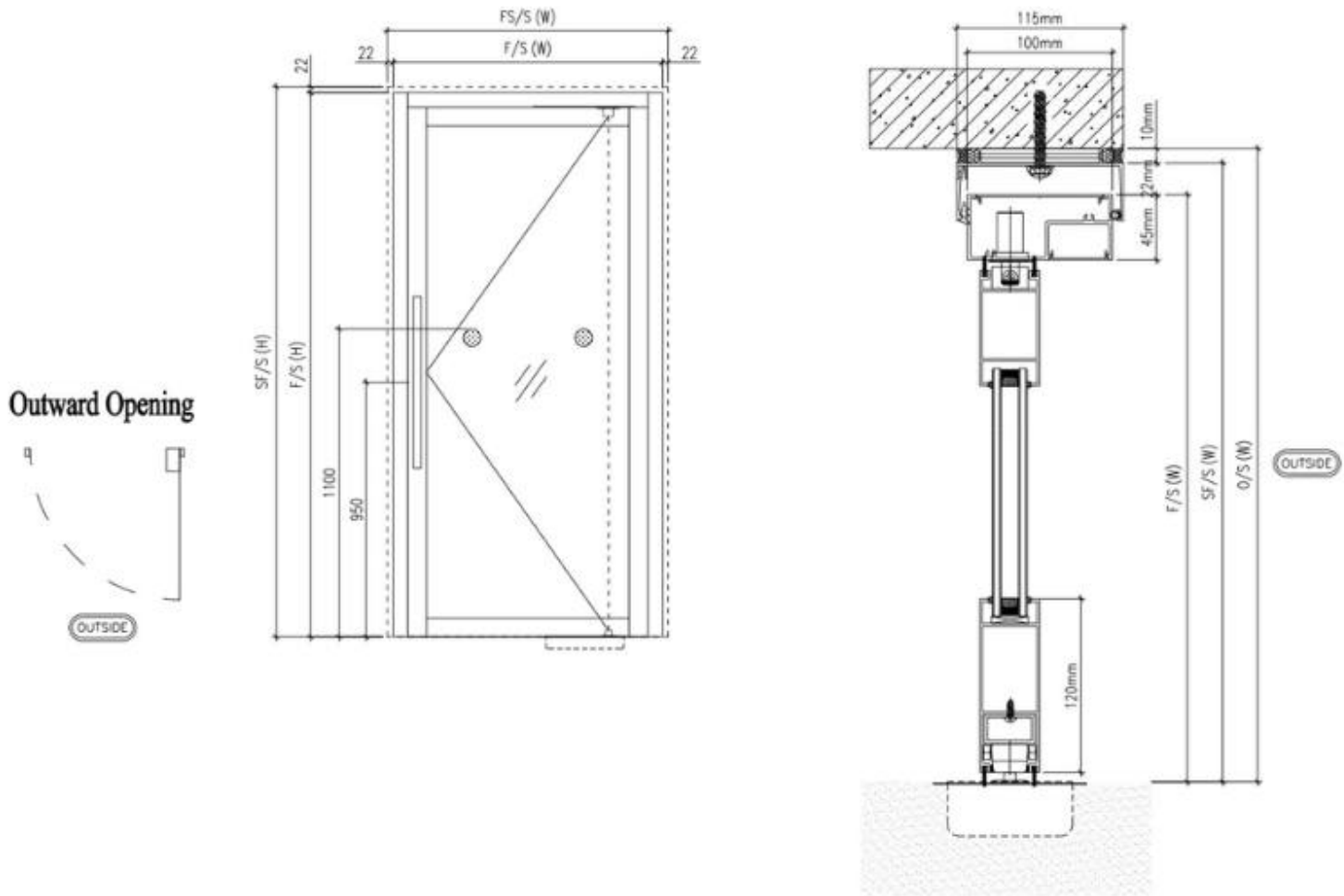
PIVOT DOOR | COMMERCIAL

LARGE-SPAN FAÇADE INTEGRATED PIVOT DOOR | COMMERCIAL

The Ventraa Pivot Door System is engineered for primary commercial entrances requiring enhanced structural capacity and seamless façade integration.

- Extrusion Thickness: 1.50mm – 2.00mm
- Maximum (W) Sash: 1200mm
- Maximum (H) Sash: 2700mm
- Maximum Glazing Thickness: 27mm
- SHGC Value: 0.58 – 0.74
- U-Value: 3.0 – 3.05W/M²K – 3.79W/M²K

- Extruded Aluminium Panels engineered for Wind and Dead Loads to AS/NZS 1170.
- Double/Triple Laminated Safety Glazing compliant with AS 1288/AS2208.
- Heavy-Duty concealed Pivot Hardware designed for High Panel Weights and Cyclic Loading.
- Thermally optimised Framing with continuous Perimeter Sealing.
- Head and Sill pivot interfaces coordinated with Façade, Slab, and Waterproofing Systems.

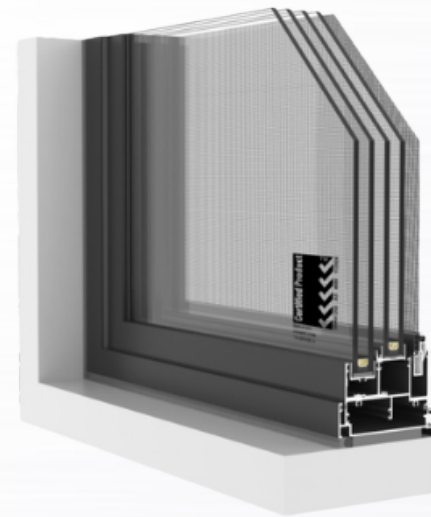


SASHLESS DOUBLE-HUNG WINDOW | COMMERCIAL

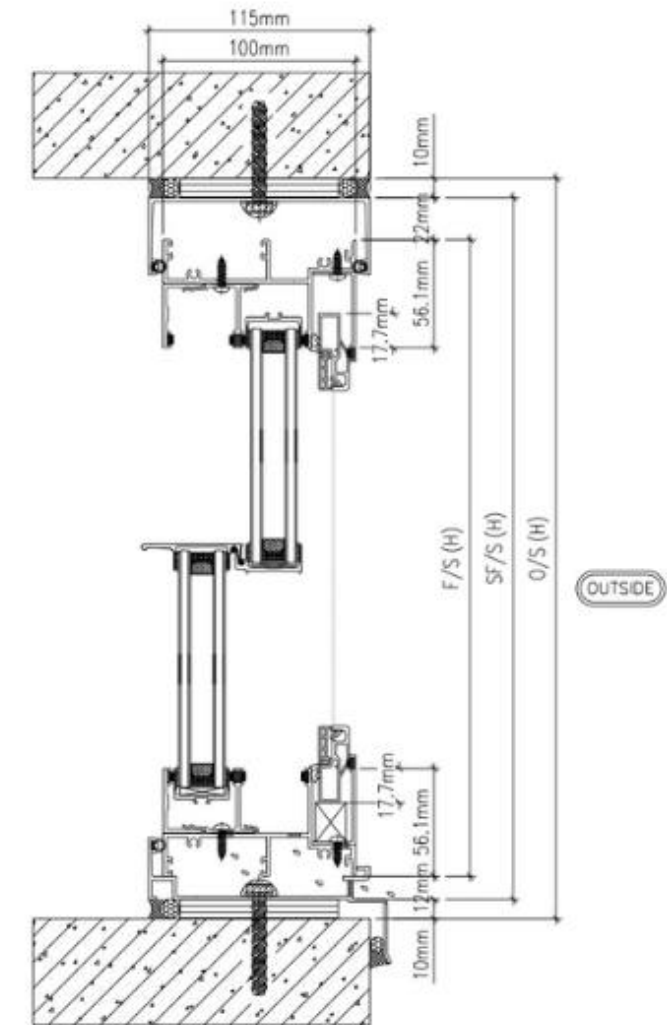
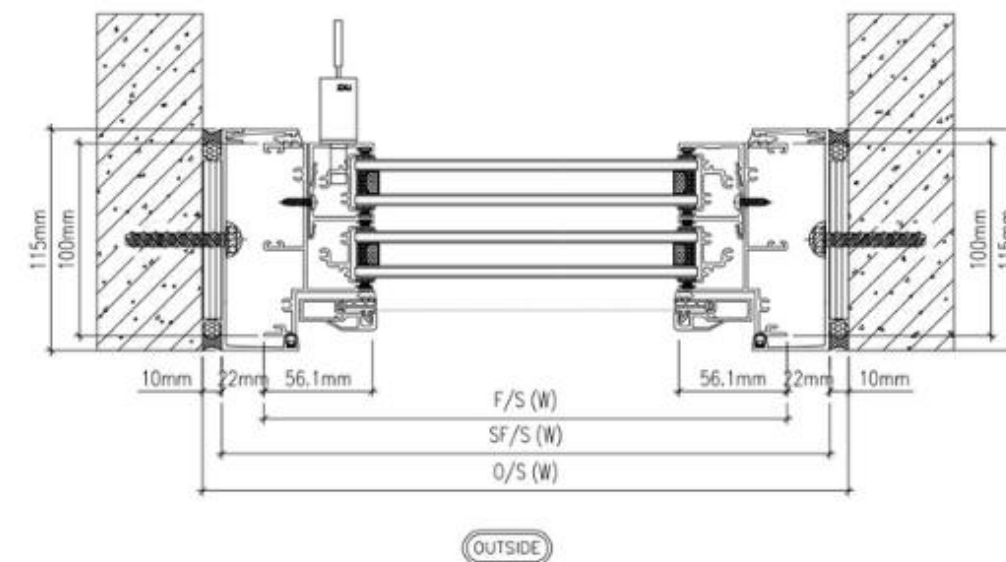
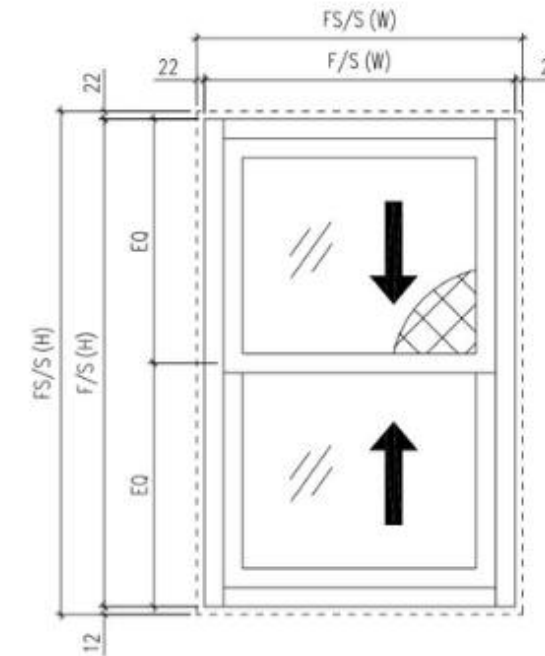
VERTICALLY OPERABLE COUNTER-BALANCED FAÇADE SYSTEM | COMMERCIAL

The Ventraa Sashless Double-Hung System is designed to provide controlled ventilation while maintaining clear visual transparency. Engineered for modern façade applications, the system delivers smooth vertical operation with balanced performance and reliability.

- Extrusion Thickness: 1.50mm–2.00mm
- Maximum (W) Sash: 1200mm
- Maximum (H) Sash: 2700mm
- Max Glazing Thickness: 27mm
- SHGC Value: 0.58–0.74
- U-Value: 3.00W/M²K – 3.70W/M²K



- Counterbalanced Sashless Glazing Panels engineered for smooth Vertical Operation.
- Thermal/Non-Thermal Extrusion System designed for Wind Actions to AS/NZS 1170.
- Double/Triple-Glazed laminated glass compliant with AS 1288 / AS 2208.
- Precision Guide and Balance Mechanisms maintaining alignment under Service Loads with continuous Perimeter Sealing controlling Air Infiltration and Water Penetration.
- Suitable for Integration within Curtain Wall and Commercial Façade Systems.



WORKPLACE HEALTH & SAFETY



Ventraa Group maintains a strong commitment to workplace health and safety across all areas of operation.

We operate within a structured safety framework designed to protect employees, project partners, and the environments in which we work. Our approach focuses on maintaining safe work practices ensuring regulatory compliance, and continuously improving safety performance across all projects.

Our objective is to maintain a safety-focused culture that supports consistent, reliable project delivery.



IMPLEMENTATION STRATEGIES

Ventraa implements procedures to identify and manage operational risks across all project stages.

- Key safety procedures include:
- Pre-construction risk assessments
 - Safe Work Method Statements (SWMS)
 - Ongoing workforce training
 - Regular safety monitoring and reporting

CORE COMPONENTS OF OUR SAFETY SYSTEM

Management Leadership

Ventraa leadership maintains oversight of all safety procedures and ensures compliance across operations and project delivery.

Engaged Workforce

Employees are actively involved in maintaining safe work environments through training, accountability, and adherence to safety procedures.

Regulatory Compliance

All activities are conducted in accordance with relevant workplace health and safety legislation and industry standards.

STAKEHOLDER INVOLVEMENT

Ventraa works collaboratively with contractors, consultants, and project stakeholders to maintain consistent safety standards across project sites.

Project inductions, toolbox meetings, and safety briefings ensure all participants understand and comply with required safety procedures.



ENVIRONMENTAL MANAGEMENT

“VENTRAA ALUMINIUM SOLUTIONS” acknowledges the critical importance of the environmental and community contexts in which we operate.

Our approach focuses on proactive engagement with stakeholders to mitigate environmental risks, implement comprehensive recycling and re-use strategies.

CORE COMPONENTS OF OUR SAFETY SYSTEM

Stakeholder Engagement: Actively collaborate with stakeholders to implement and optimise waste reduction initiatives.

Sustainable Practices: Employ advanced recycling and re-use protocols to significantly diminish our environmental footprint.

Regulatory Compliance: Execute all projects in strict accordance with ISO 14001:2015 certification standards, as well as the specific conditions outlined in project approvals and regulatory requirements.

QUALITY ASSURANCE

“VENTRAA ALUMINIUM SOLUTIONS” is a quality-endorsed organisation, certified by Intertek and SAI Global. Our quality management system adheres to ISO 9001:2008 standards, reflecting our commitment to excellence and continuous improvement.

QUALITY ASSURANCE FRAMEWORK

Audit Protocols:

We conduct independent third-party audits alongside structured internal team audits to ensure ongoing compliance and drive continuous improvement.

Comprehensive Quality Plan:

Our quality plan covers all facets of administration and management, including work methods, document control, inspections, testing, and compliance checklists. Through these practices, VENTRAA ALUMINIUM SOLUTIONS demonstrates its commitment to environmental stewardship and sustainable business practices.

Continuous Improvement Mechanism:

Our quality system is subject to ongoing review and enhancement. Employees are actively encouraged to propose changes, which are reviewed by the System Manager and distributed for feedback and approval before implementation.

Integrated Management Approach:

Our management system integrates Workplace Health and Safety, Environmental Management, and Quality Assurance, ensuring a cohesive and comprehensive approach. All systems and procedures are readily accessible to employees through our IT infrastructure.

THROUGH THESE STRINGENT PROTOCOLS AND COMMITMENT TO CONTINUOUS IMPROVEMENT, VENTRAA ALUMINIUM SOLUTIONS ENSURES THE HIGHEST STANDARDS OF QUALITY IN ALL OPERATIONS.

ENQUIRE ABOUT

- Light Gauge Steel
- AAC Panels
- Windows & Doors
- Façade Systems
- Interior Solutions
- Modular Living
- Ventraa Developments
- Project Partnerships

DISCUSS YOUR NEXT PROJECT WITH OUR TEAM.

 **1800 VENTRA**

1800 836 872

 **info@ventraa.com.au**

 **@ventraagroup**

 **www.ventraa.com.au**

 **@ventraagroup**

