DOZO

Facade & Fenestration
Aluminum system window









High-performance
Facades,
engineered to last.

a brand of
RANIHATI CONSTRUCTION PVT. LTD.
(Engineers cum Contractor)

Follow us

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AMC Available

Why will

you choose DOZO System Windows?

Basic Windows requirement are fulfilled by DOZO Windows

- AIR - Wind pressure tested by 3.0 Kpa
- WATER - Water tested by 0.30 Kpa
- SOUND - Sound/noise cutoff Form outside to inside depends on glass 20-45 dB
- THERMAL - Heat reduced form outside to inside depend on glass by 10-12°C
- Fully Factory made with Automatic machine.
- Quality & tested raw material.
- 5 year warranty on hardware.
- 15 years warranty on Powder Coating.
- 25 years warranty on Aluminium material.
- Reasonable price.
- 4mm-24mm glass will be fitted in our windows & doors.

To ensure the quality, durability, and performance of our Aluminium Windows with Thermal & Noise Insulation, we comply with industry standards and conduct rigorous testing.

SHAPING MODERN

Architecture with Performance and Elegance

In today's architectural landscape, buildings are no longer judged solely by their structure. They are defined by their façade, natural light, energy efficiency, sustainability, and the experience they create for occupants. As India's premium real estate market continues to evolve, developers, architects, and luxury homeowners are seeking solutions that combine aesthetics, innovation, and long-term performance.

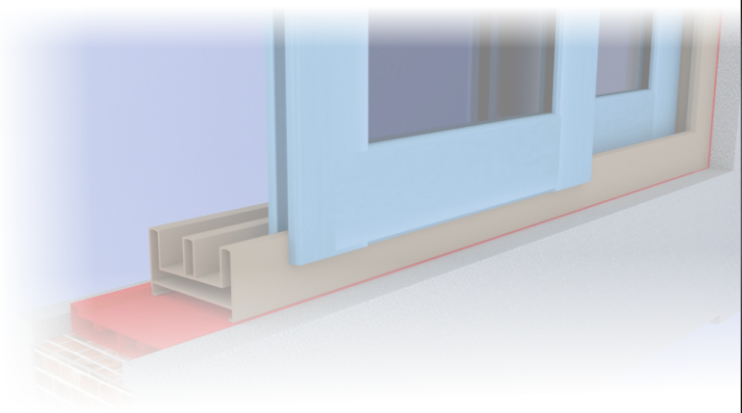
DESIGNED FOR LUXURY LIVING



At Dozo Windows & Façade, we deliver exactly that.

- Beyond Products, Complete Architectural Solutions
- A window is more than an opening. A façade is more than an exterior surface. Together, they define a building's identity, efficiency, and value.
- At Dozo, we provide integrated façade and fenestration solutions that combine design expertise, engineering precision, premium materials, fabrication excellence, professional installation, and dedicated after-sales support.
- Our approach ensures that every project achieves its architectural vision while meeting the highest standards of performance and durability.
- Modern homeowners expect more than beautiful homes. They seek comfort, security, energy efficiency, and timeless elegance.

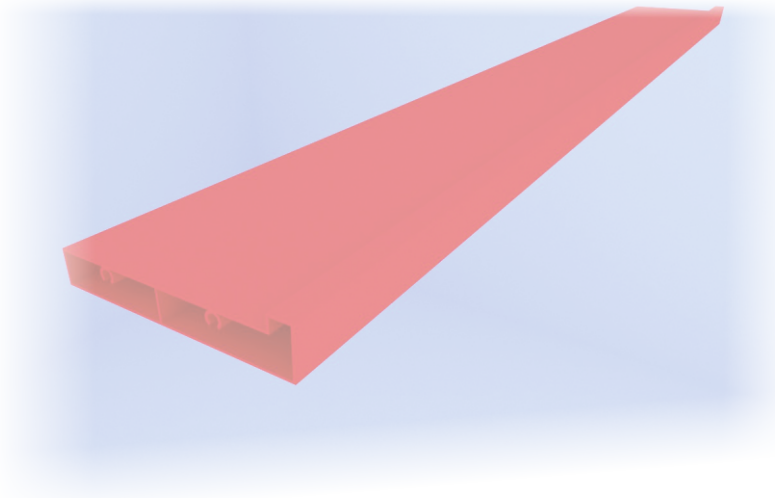




About Our
DOZO

Complete Building Envelope Solution

- Wind Load Capacity up to 3.0 kPa
- Premium 6063-T6 Aluminum
- Super Durable Powder Coating
- Thermal Efficiency
- Acoustic Comfort
- Luxury Appearance
- Sustainable & Recyclable



Applications:

- High-rise Buildings
- Luxury Apartments
- Commercial Complexes
- Hotels & Resorts
- Institutional Buildings

Aluminium Alloy Used in DOZO Systems

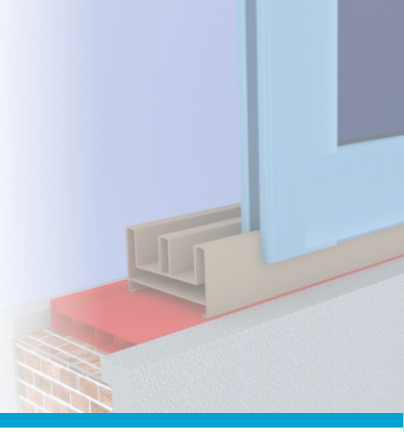
A. 6063-T6 Architectural Grade Aluminum Alloy chemical properties:

Elemen	Percentage
Aluminum	97–99%
Magnesium	0.45–0.90%
Silicon	0.20–0.60%
Iron	Controlled
Trace Elements	Cu, Mn, Cr, Zn, Ti

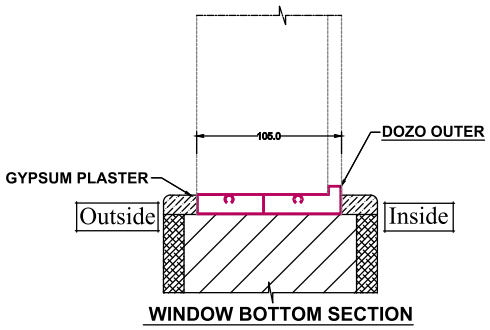
B. 6063-T6 Alloy Physical Properties:

Properties	Value
Tensile Strength	190-240 Mpa
Yield Strength	160-215 Mpa

Introduced
DOZO
Sub Frame amended system



SUB FRAME INSTALLATION BEFORE WINDOW FIXING.



WINDOW BOTTOM SECTION

1. Faster Installation

- The sub frame is fixed Before masonry/plaster work.
- The main window frame can be installed later without disturbing finishing works.
- Reduces site installation time.

2. Better Alignment and Leveling

- Provides a precise reference frame.
- Helps maintain verticality, level, and squareness of the window.
- Essential for smooth operation of sliding shutters and rollers.

3. Life time Leak proof window solution

- Prevents rainwater seepage at the wall-window junction.
- Minimizes water infiltration throughout the building life

4. Protection During Construction

- Main window frame is installed after major civil activities.
- Prevents damage to finished aluminum profiles, glass, and hardware during construction.



5. Improved Waterproofing

- Creates a controlled interface between the wall and window.
- Allows proper sealing with silicone, PU sealant, and waterproof membranes.
- Minimizes water leakage through perimeter joints.

6. Enhanced Structural Stability

- Transfers wind loads from the window system to the building structure.
- Particularly important for high-rise buildings where wind pressures can reach 3 kPa (3000 Pa).

7. Better Acoustic Performance

- Provides an additional barrier between the wall and window.
- Helps reduce sound transmission through perimeter gaps.
- Works together with EPDM gaskets and wool pile seals.

8. Reduced Site Tolerances

- Accommodates construction variations in RCC or masonry openings.
- Allows adjustment during installation.
- Ensures consistent window performance.

9. Easier Maintenance and Replacement

- Window frames can be removed and replaced while retaining the sub frame.
- Reduces maintenance costs over the building life cycle.
- Plaster – Finished wall surface.

DURACOAT

Super Durable Powder Coating

(In-house Manufactured Coating System)

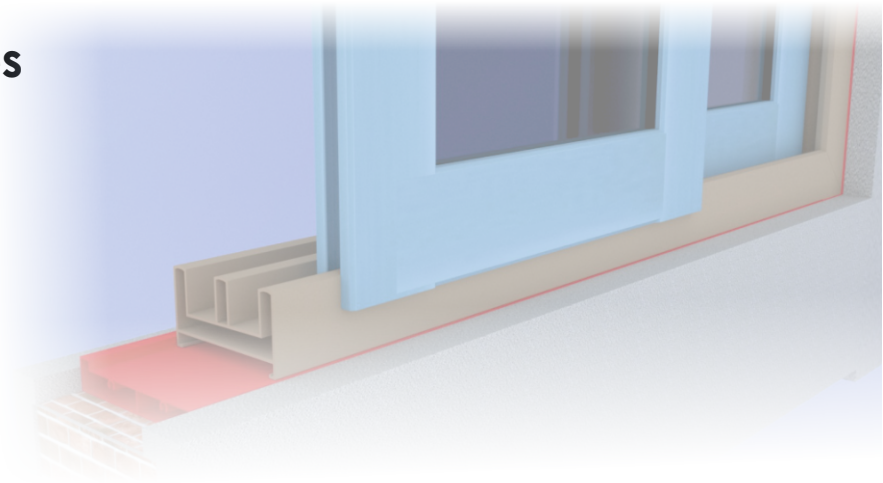
Specifications

- Thickness: 65–80 Microns
- Super Durable Architectural Grade

DOZO

also offer thermal insulation in shutter window

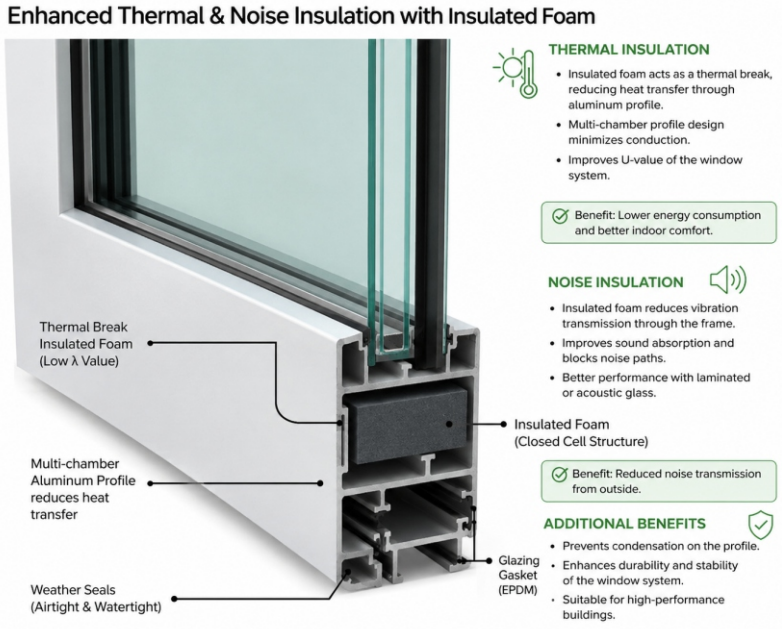
Foam Filled Window Profiles



Thermal Benefits

- Reduces internal convection
- Improves U-value
- Better thermal comfort
- Reduces condensation risk

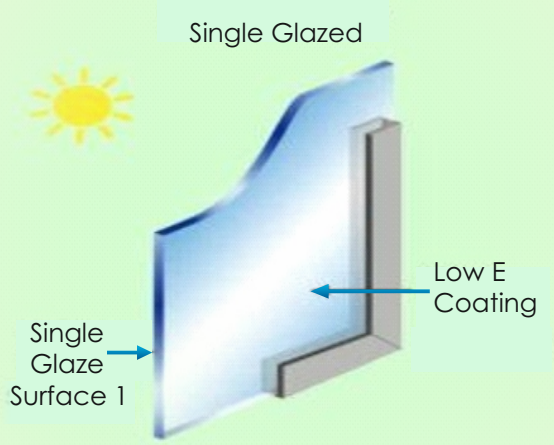
THERMAL INSULATION IN SHUTTER



DOZO

offer Different Glass Option

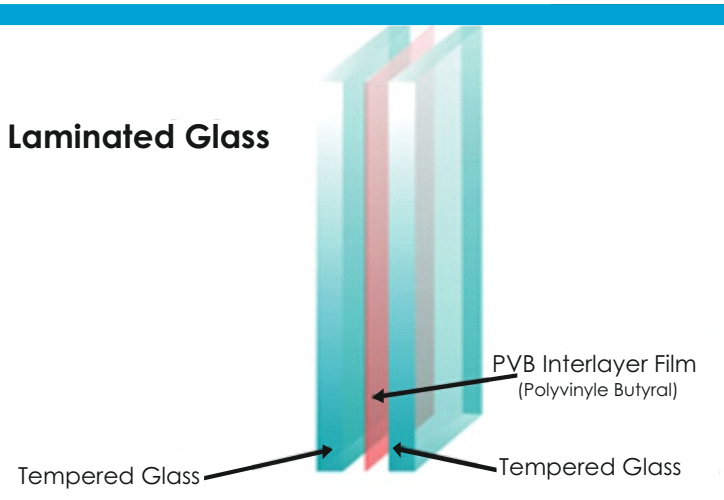
A. SINGLE GLAZING UNIT



Glass Performance

- Visible Light Transmission (VLT): 87%-88% Light transmission
- Noise reduction Coefficient (NRC): 30% of external noises.
- Thermal Insulation: Vary low only can reduced 15% of external weather.

B.Double glazing system



1. LAMINATED DGU

Glass Performance

- Visible Light Transmission (VLT): 87%-88% Light transmission
- Noise reduction Coefficient (NRC): 50% of external noises.
- Thermal Insulation : Vary low only can reduced 50% of external weather.

DOZO

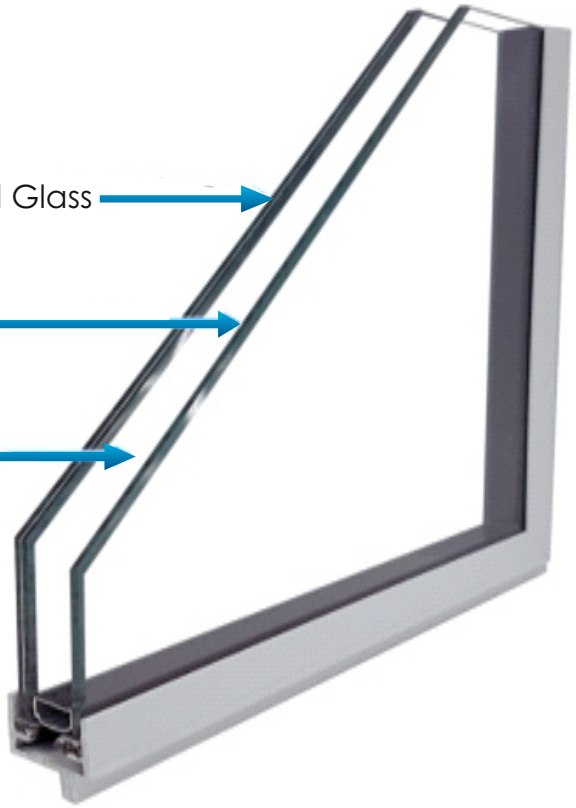
offer Different Glass Option

II. Insulated DGU

Exterior Glazing
6mm Clear Toughened Glass

Interior Glazing
6mm Low e Glass

12mm Gap
Thermal Argon Gap



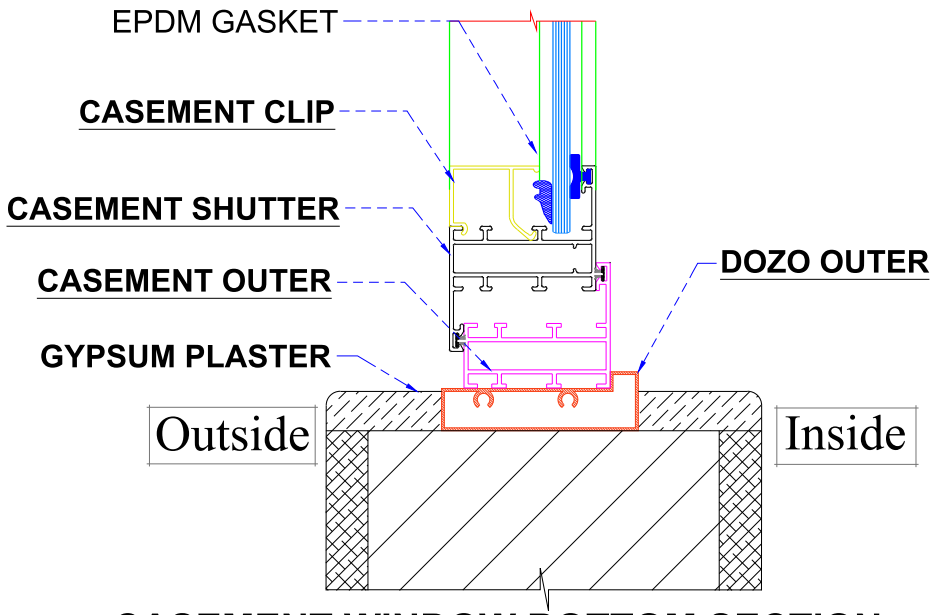
Glass Performance

- Visible Light Transmission (VLT): 78%-80% Light transmission
- Noise reduction Coefficient (NRC): 75% of external noises.
- Thermal Insulation : Vary low only can reduced 40% of external weather.

DOZO Provide

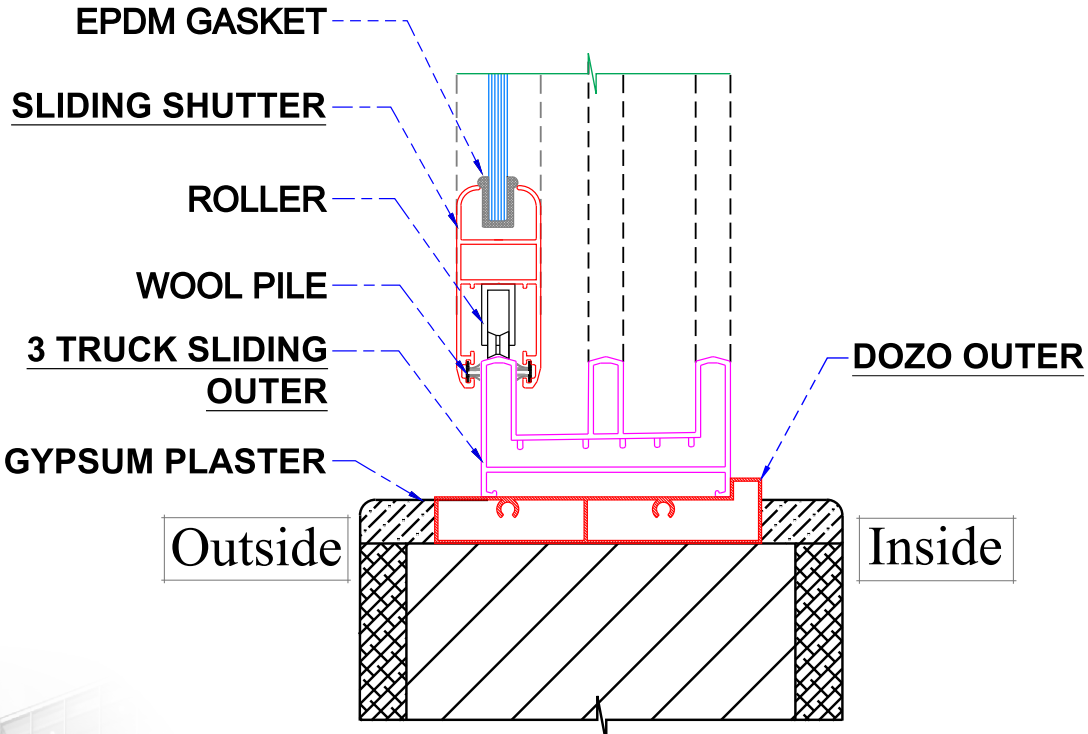
Quality system window in your budget

CASEMENT WINDOW BOTTOM SECTION ELEVATION



CASEMENT WINDOW BOTTOM SECTION

3 TRACK SLIDING WINDOW BOTTOM SECTION ELEVATION

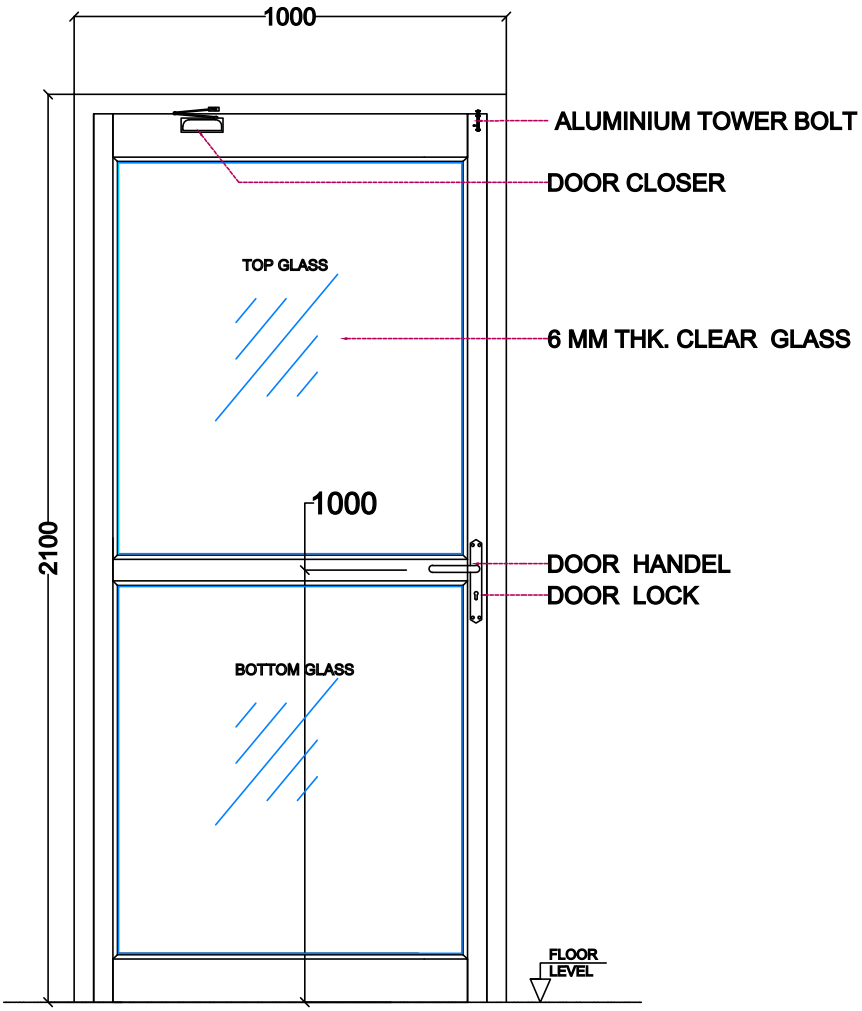


3 TRACK SLIDING WINDOW BOTTOM SECTION

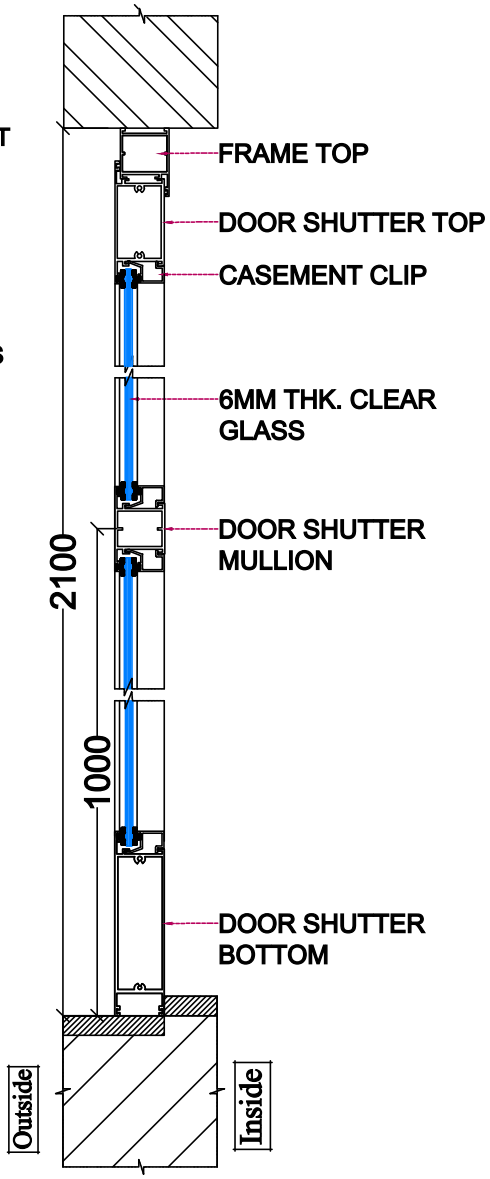
DOZO Provide

Quality system window in your budget

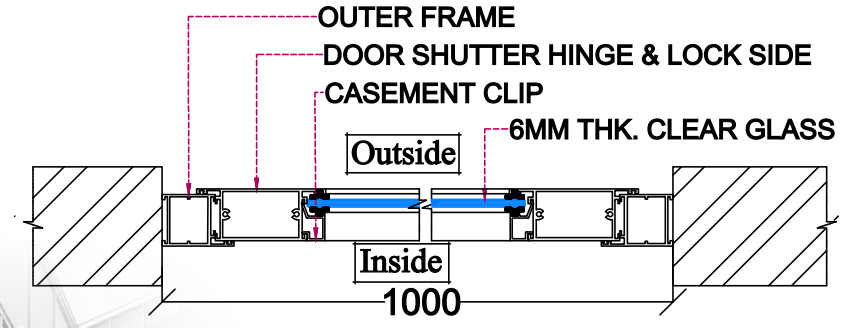
DOOR



ELEVATION OF CASEMENT DOOR



SECTION



PLAN

*** Term And Conditions Apply***

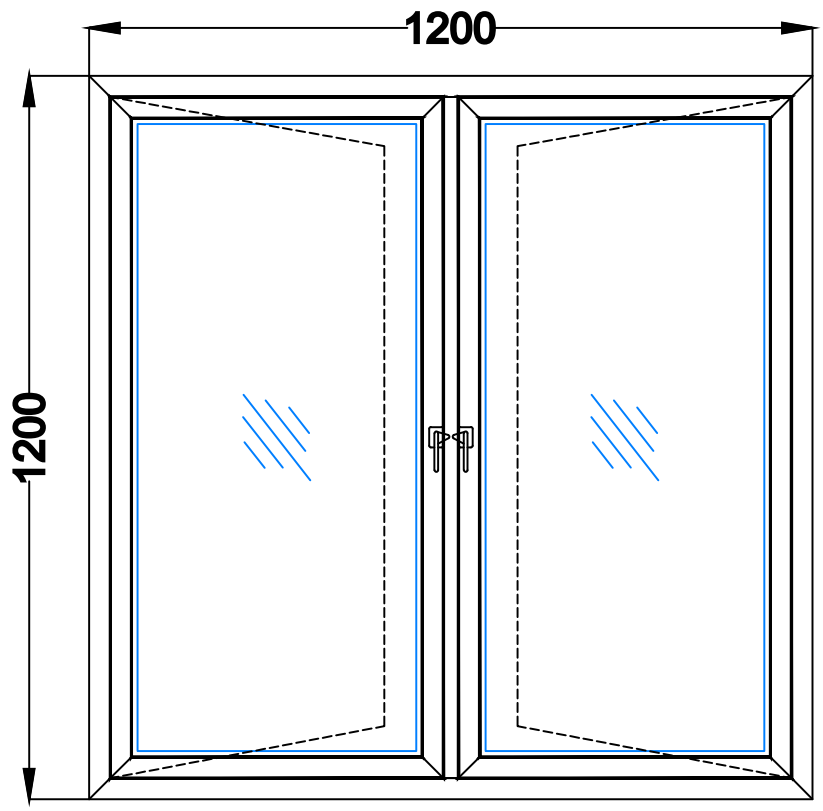
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DOZO Provide

Quality system window in your budget

CASEMENT WINDOW



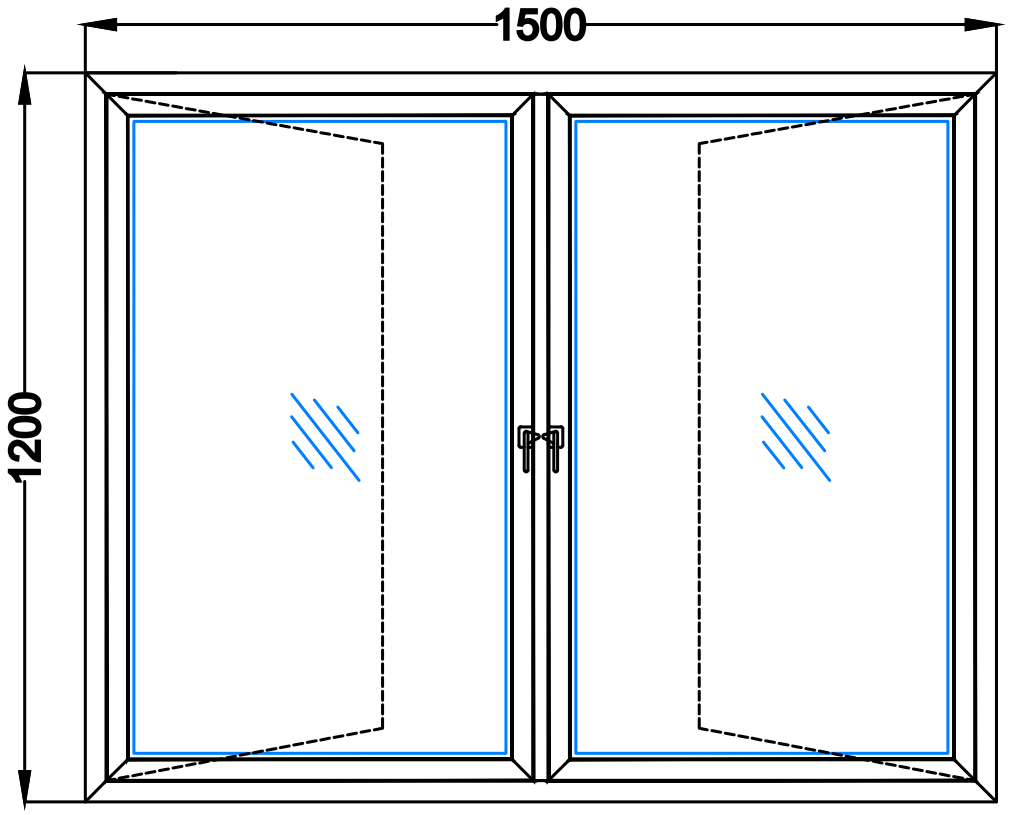
TYPE	CASEMENT WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6399/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT WINDOW



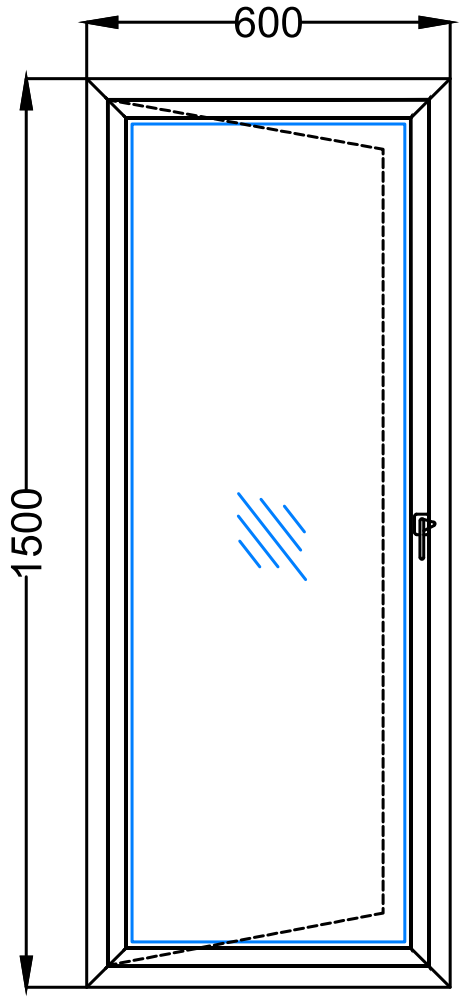
TYPE	CASEMENT WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	5829/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT WINDOW



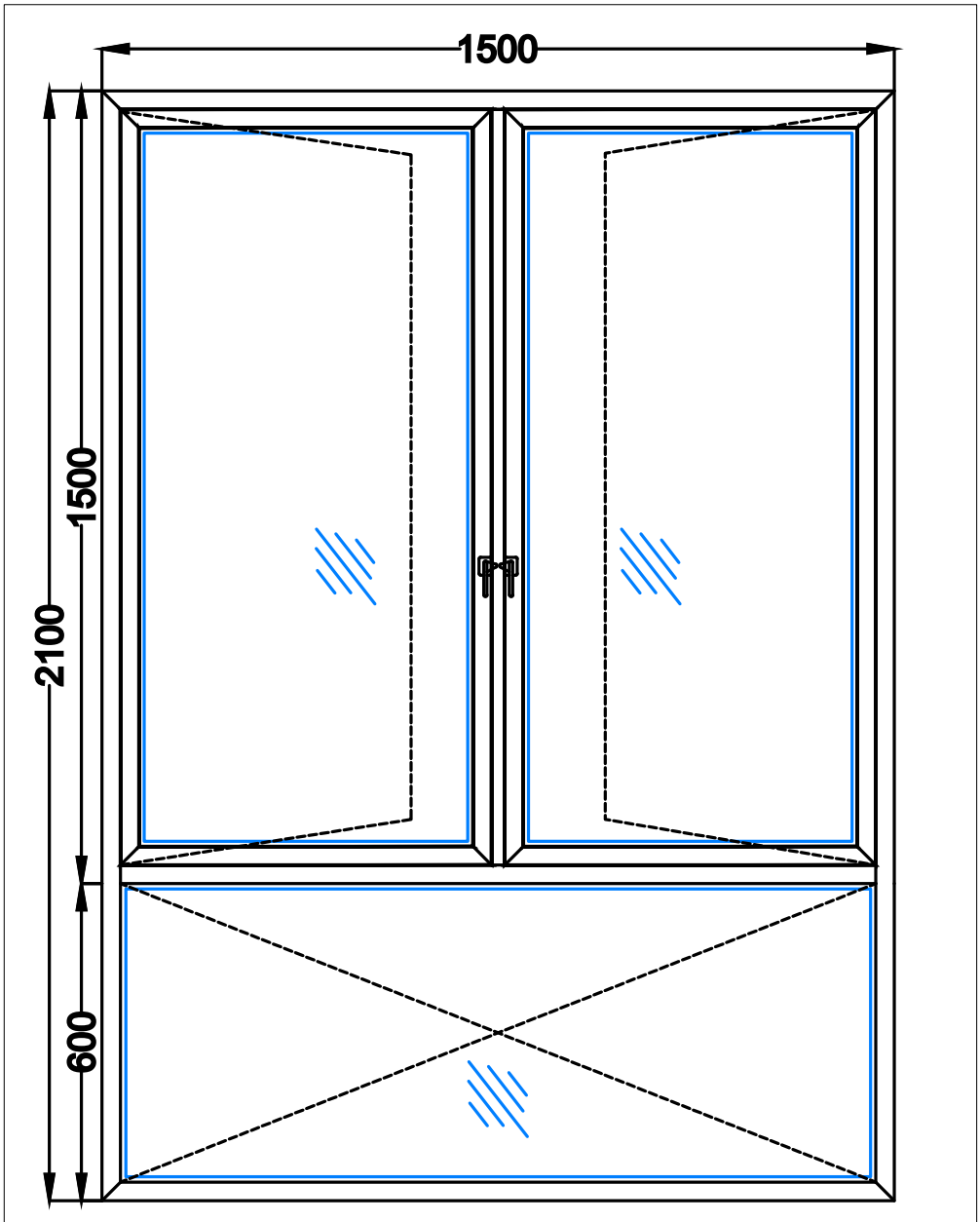
TYPE	CASEMENT WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	7469/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT WINDOW CUM FIXED



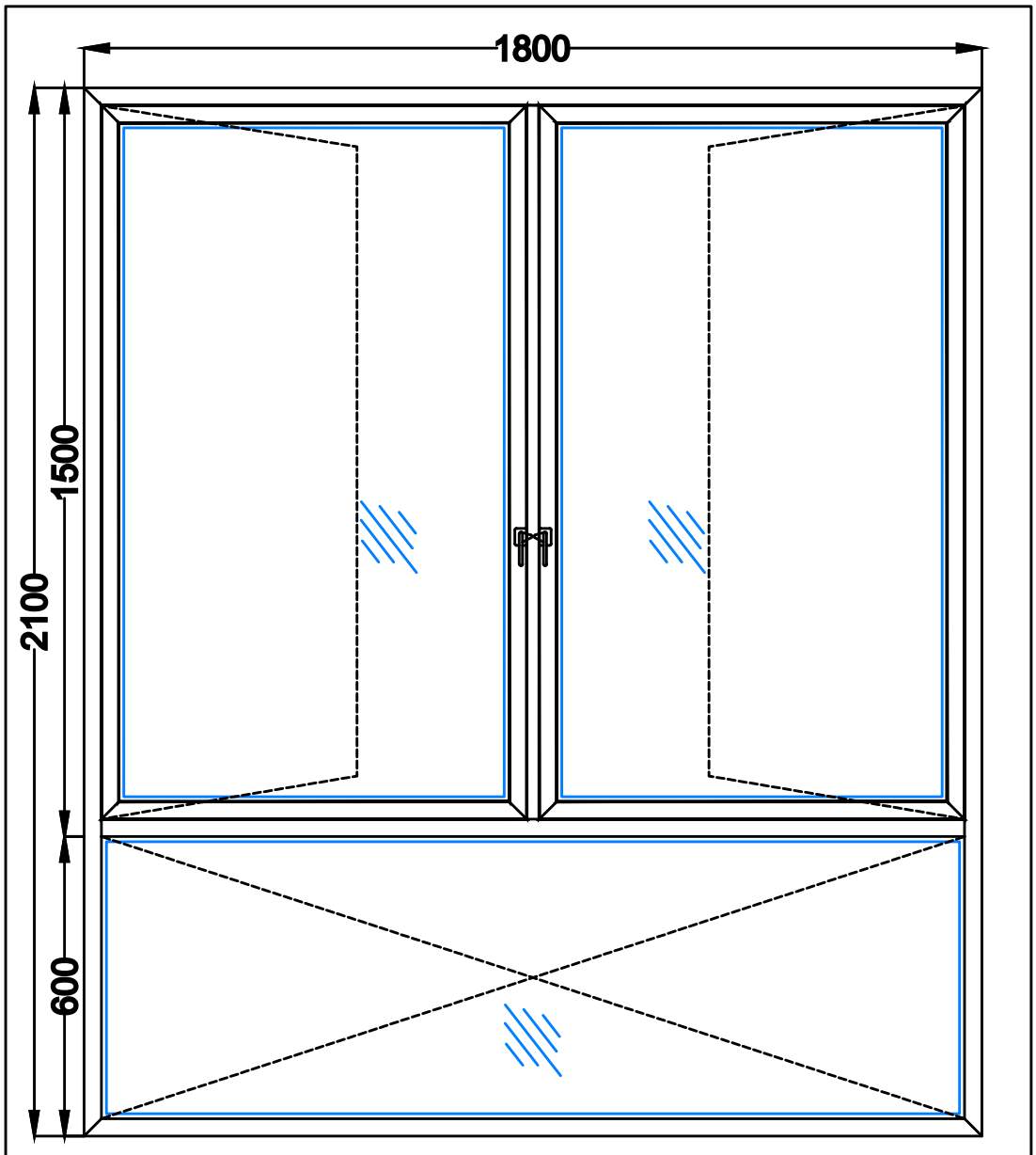
TYPE	CASEMENT WINDOW CUM FIXED
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	5469/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT WINDOW CUM FIXED



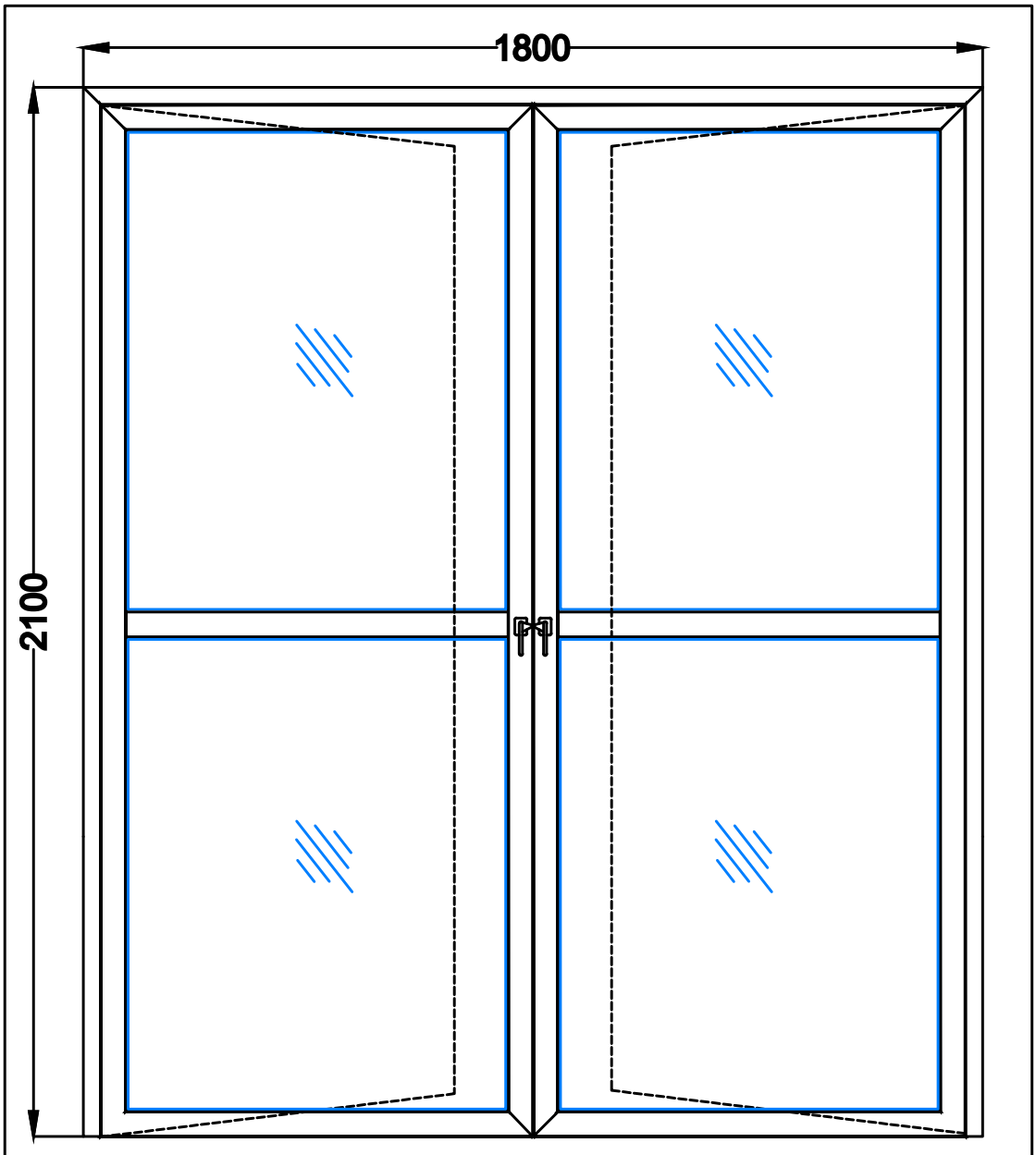
TYPE	CASEMENT WINDOW CUM FIXED
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	4269/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT DOOR(DOUBLE SHUTTER)



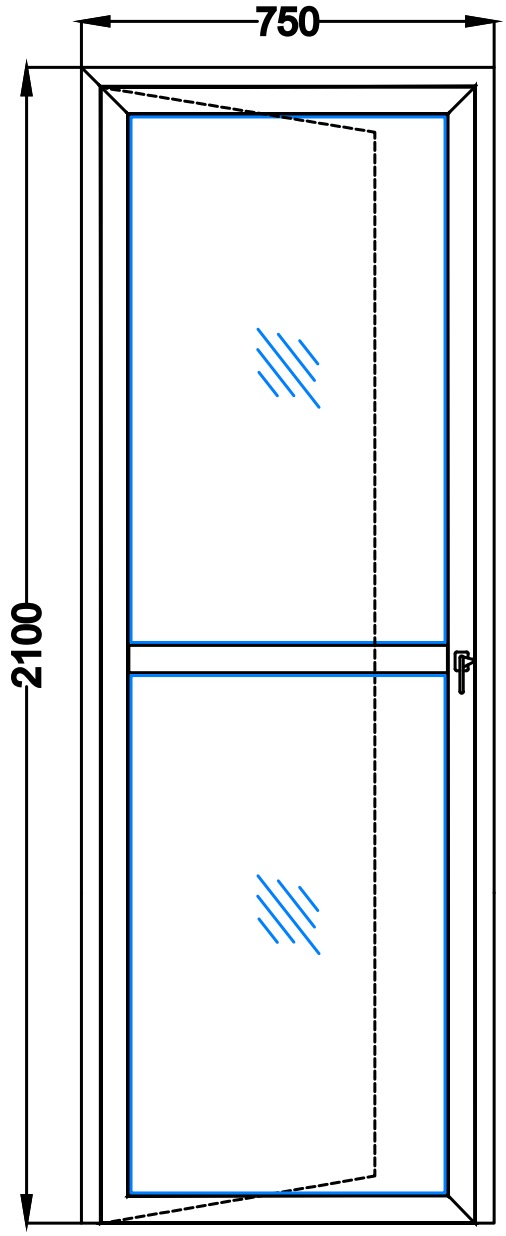
TYPE	CASEMENT DOOR(DOUBLE SHUTTER)
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	4679/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT DOOR(SINGLE SHUTTER)



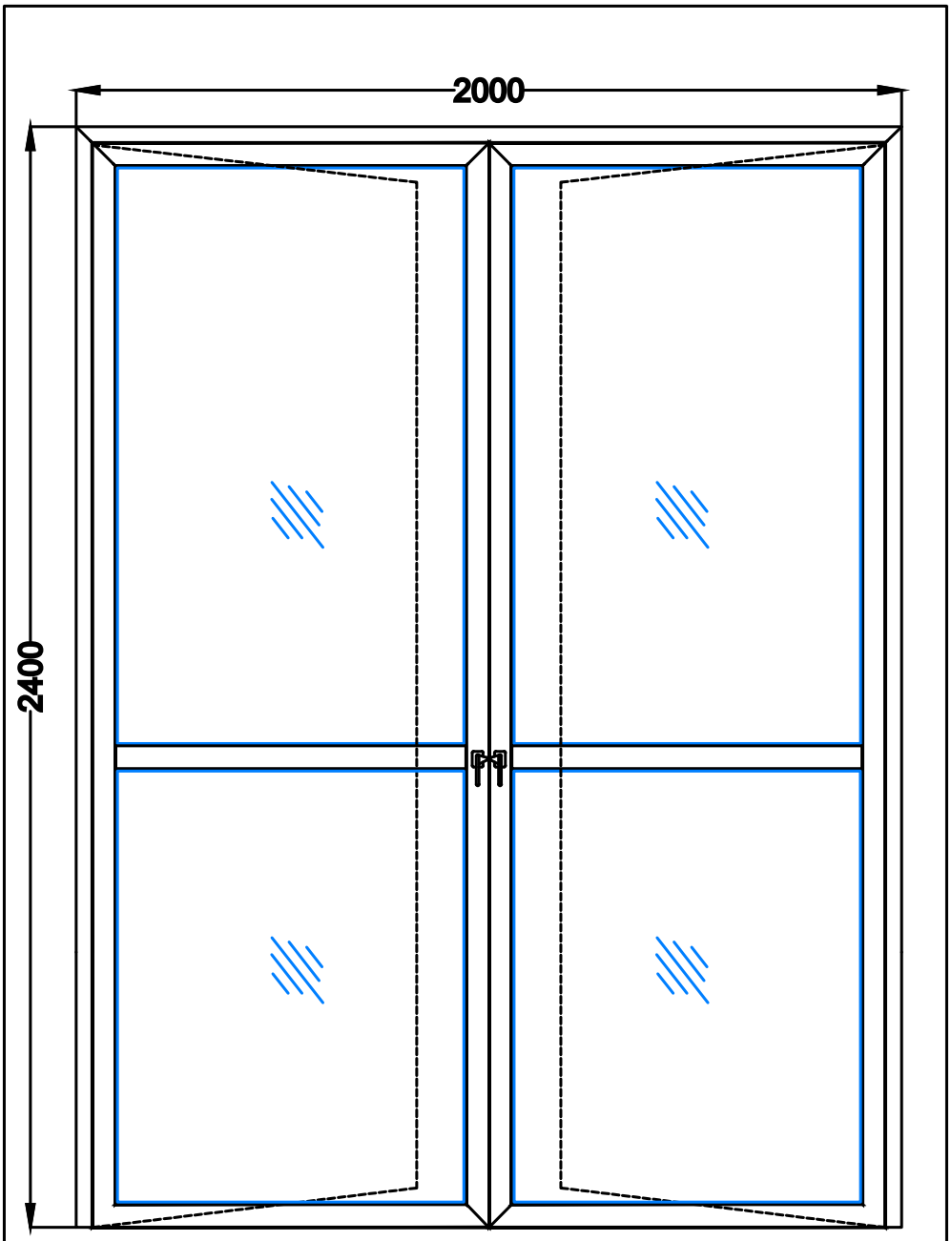
TYPE	CASEMENT DOOR(SINGLE SHUTTER)
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	5359/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT DOOR(DOUBLE SHUTTER)



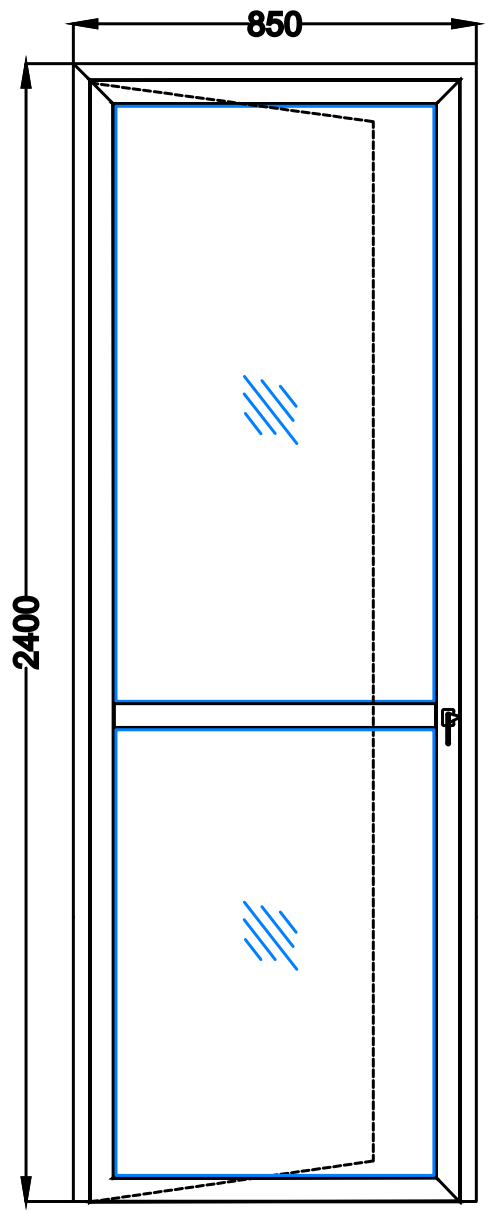
TYPE	CASEMENT DOOR(DOUBLE SHUTTER)
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	5559/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

CASEMENT DOOR(SINGLE SHUTTER)



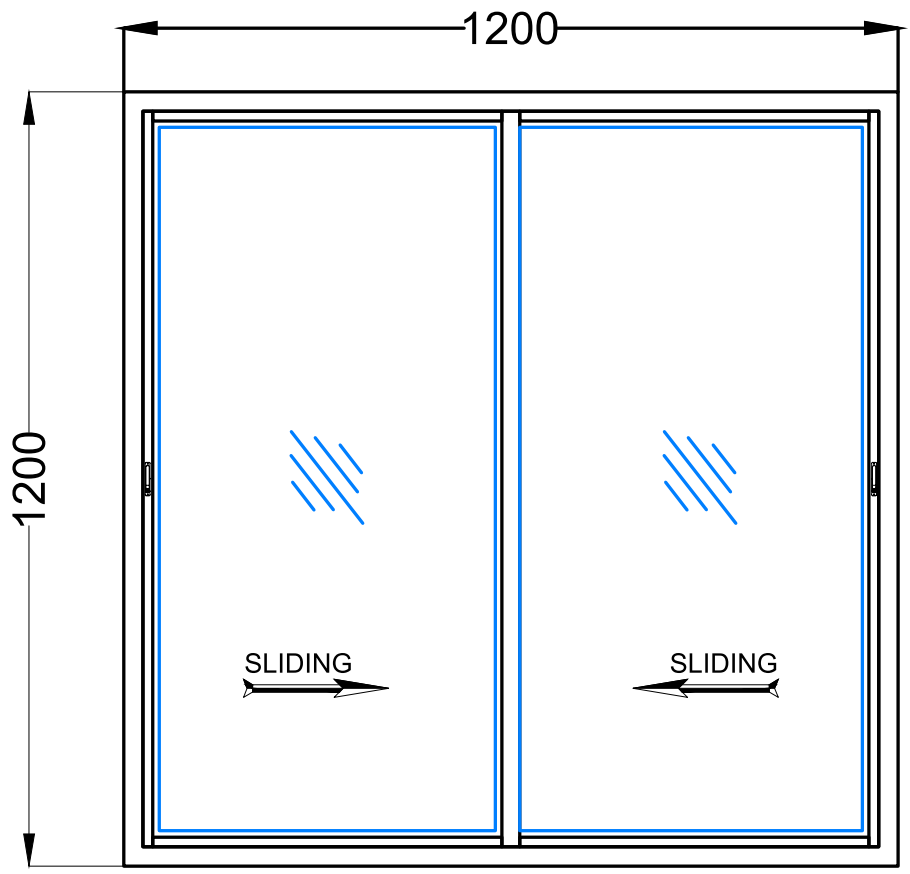
TYPE	CASEMENT DOOR(SINGLE SHUTTER)
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	5369/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



TYPE	2 TRACK SLIDING WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6889/- ***

*** Term And Conditions Apply***

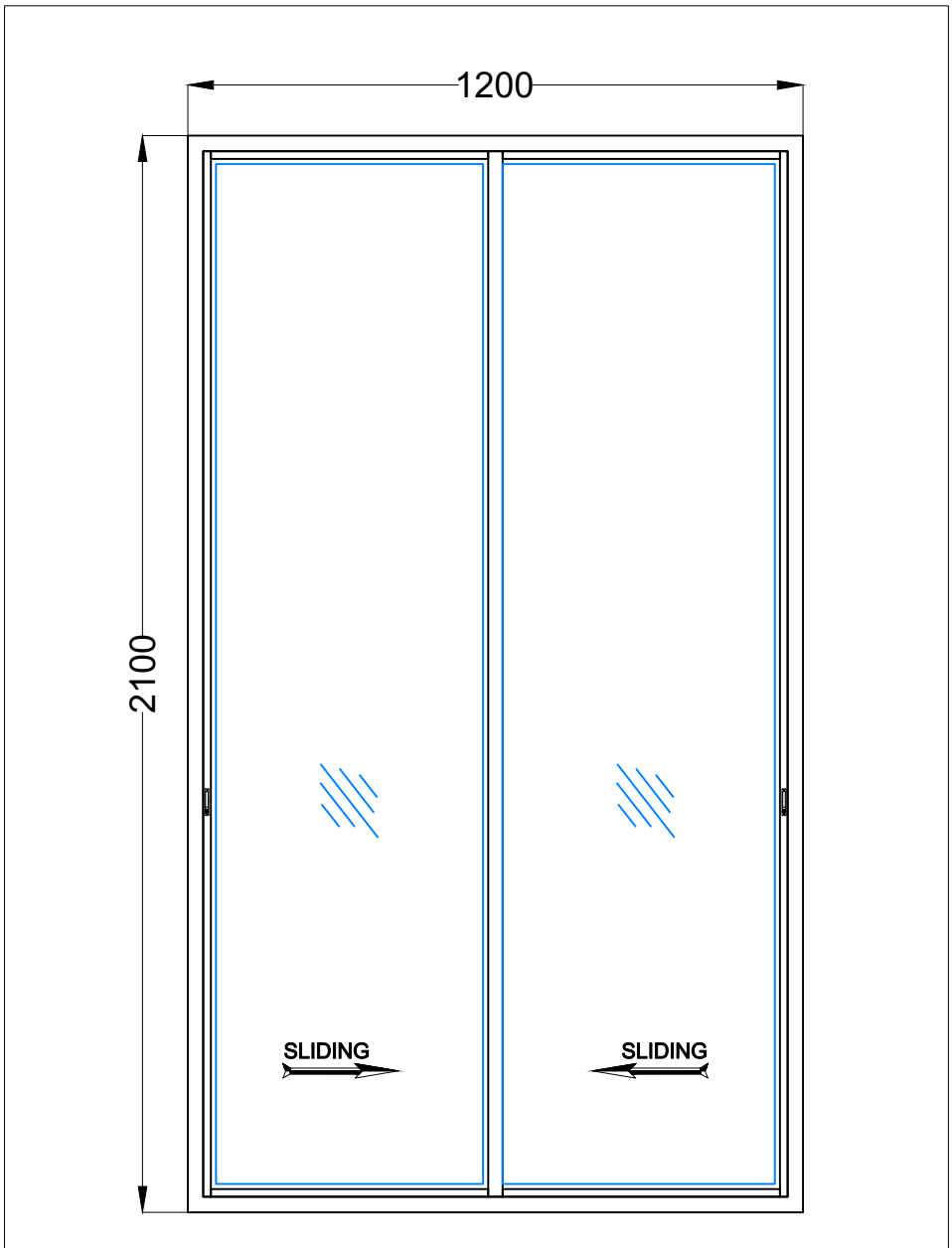
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AMC Available

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



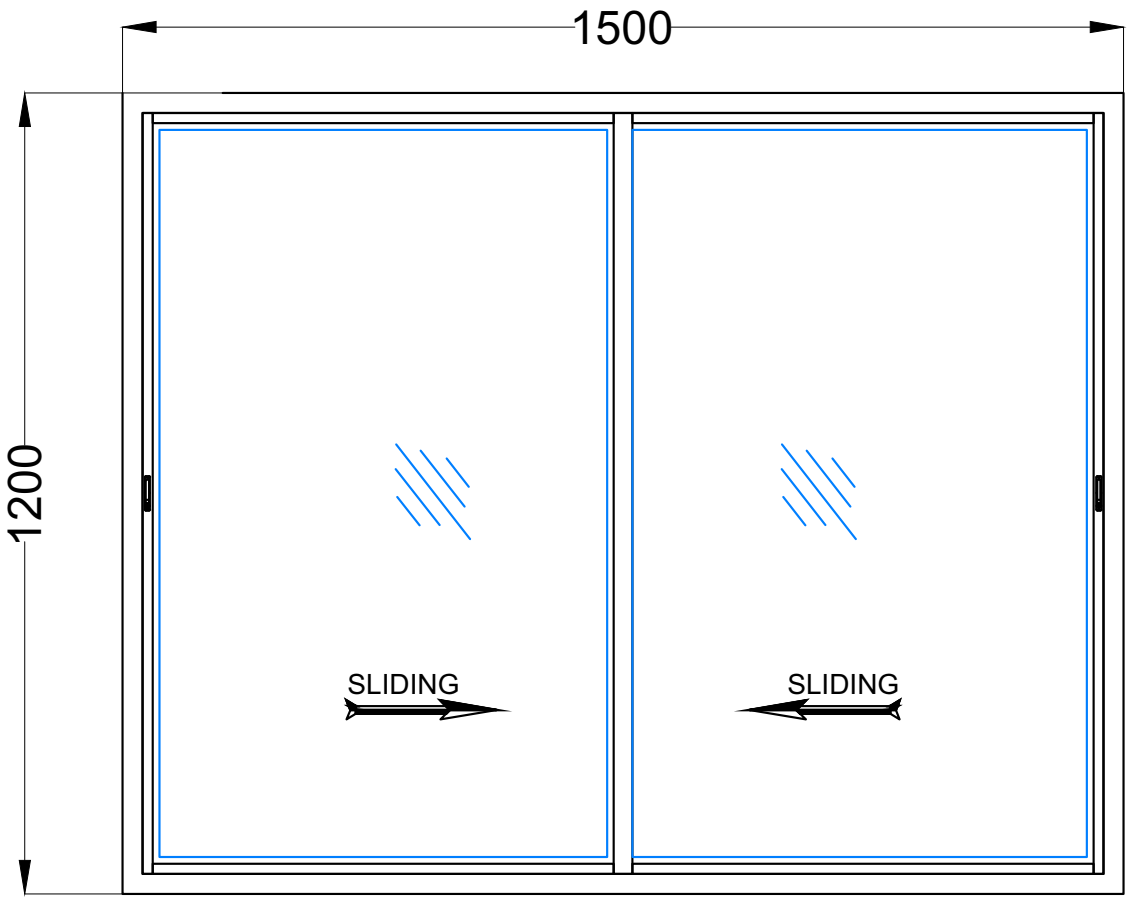
TYPE	2 TRACK SLIDING DOOR
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	5319/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



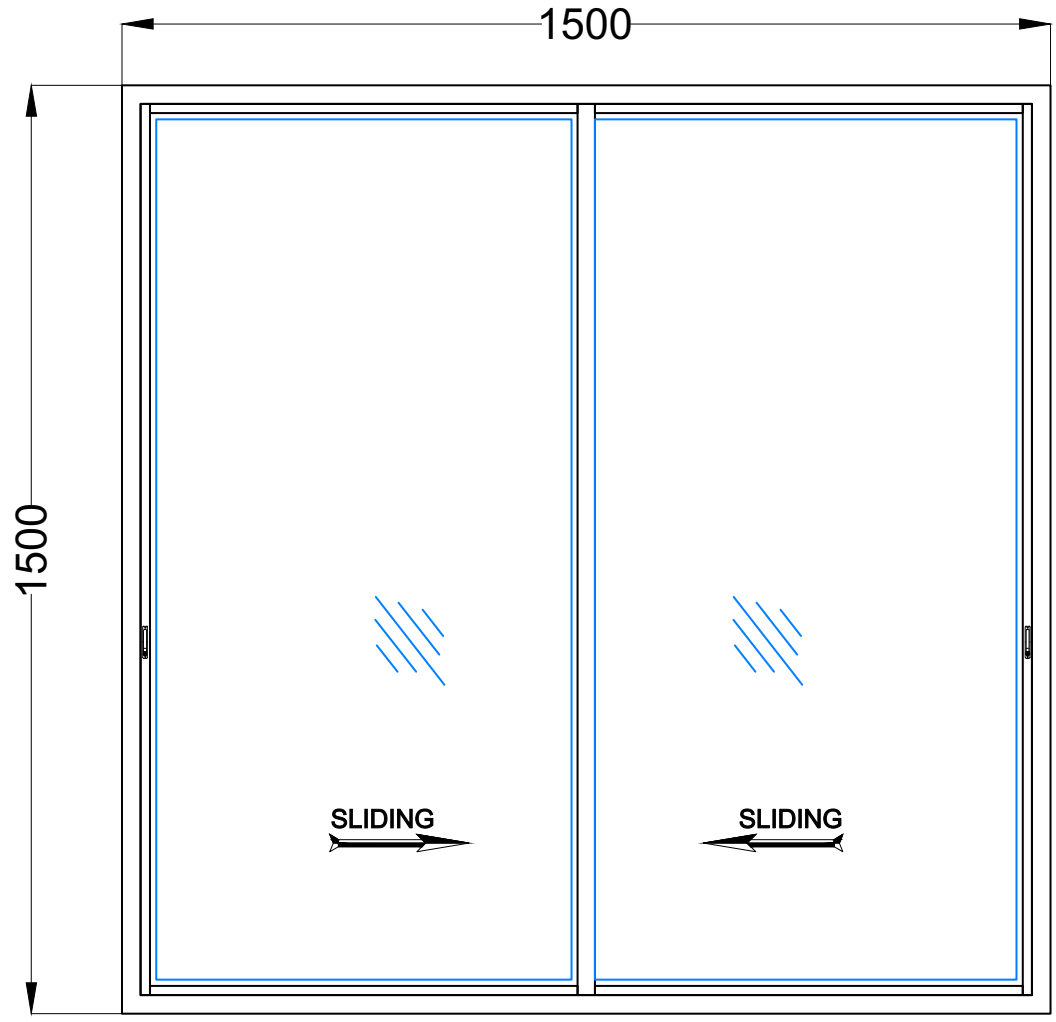
TYPE	**2 TRACK SLIDING WINDOW**
GLASS SPC.	**CONSIDER 5MM CLEAR TOUGHENED GLASS**
RATE/SQM	**5809/-***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



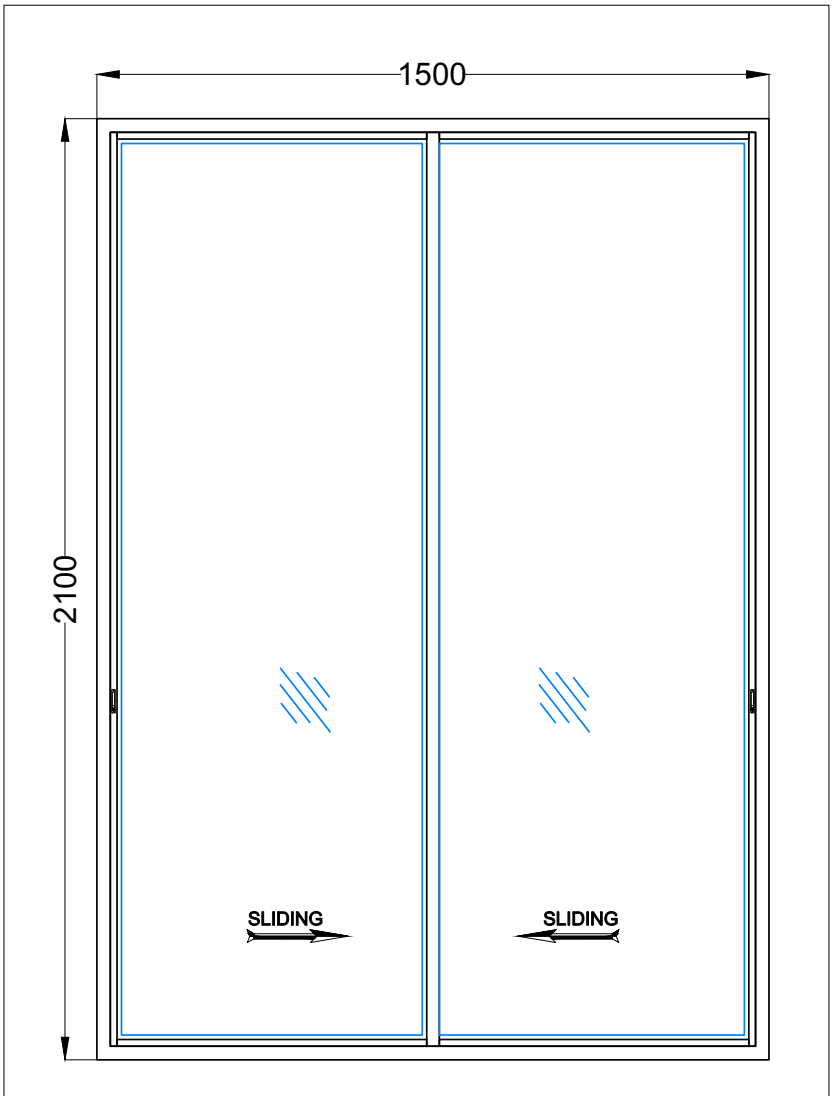
TYPE	2 TRACK SLIDING WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	5329/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



TYPE	2 TRACK SLIDING DOOR
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	4799/- ***

*** Term And Conditions Apply***

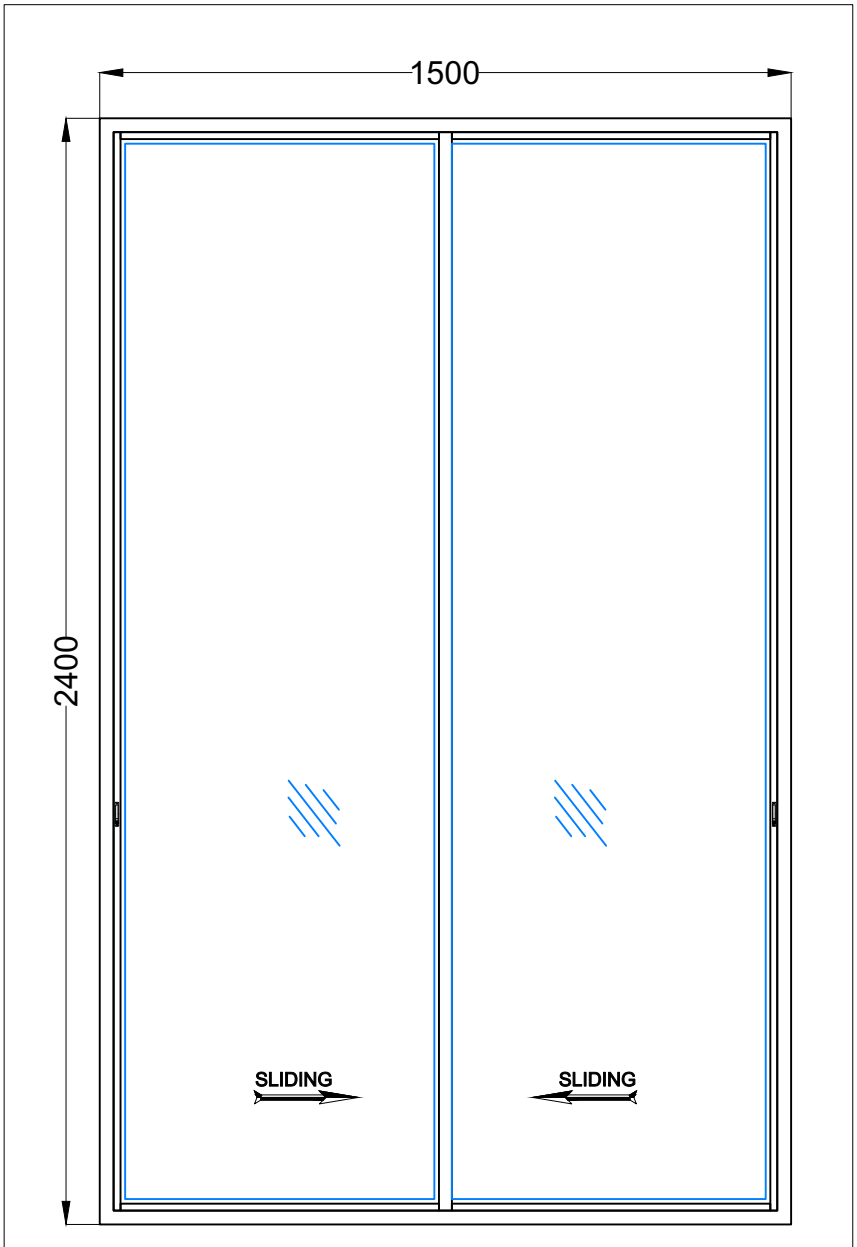
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DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



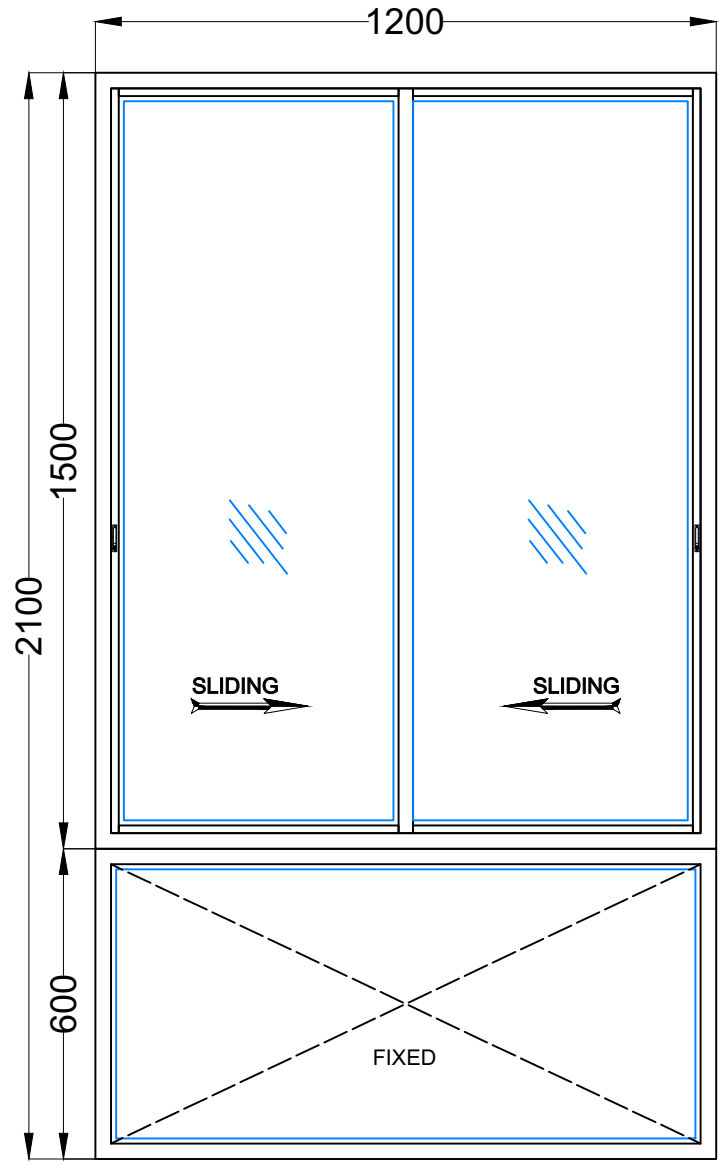
TYPE	2 TRACK SLIDING DOOR
GLASS SPC.	CONSIDER 6MM CLEAR TOUGHENED GLASS
RATE/SQM	4619/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



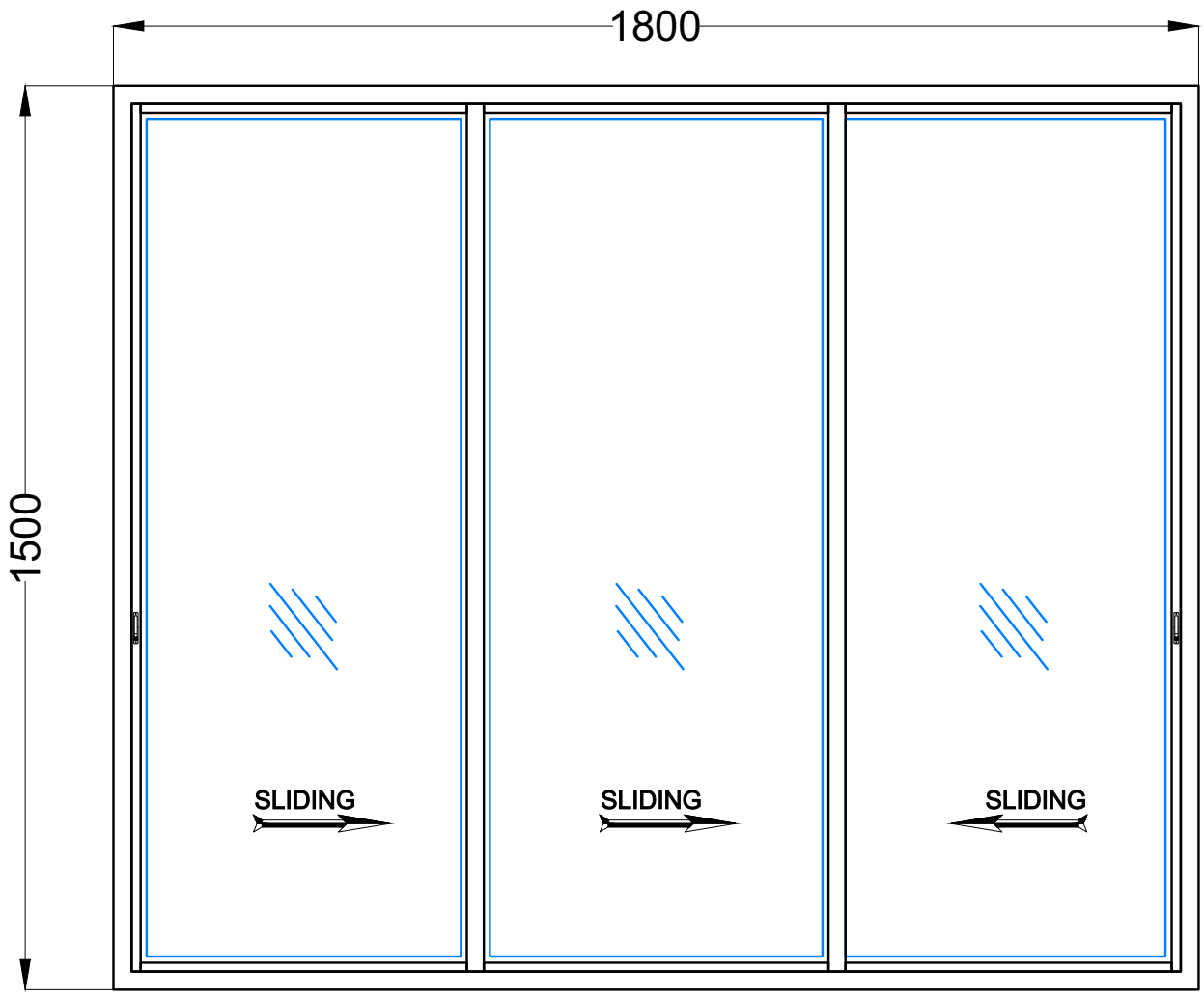
TYPE	2 TRACK SLIDING WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6419/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

3 TRACK SLIDING WINDOW



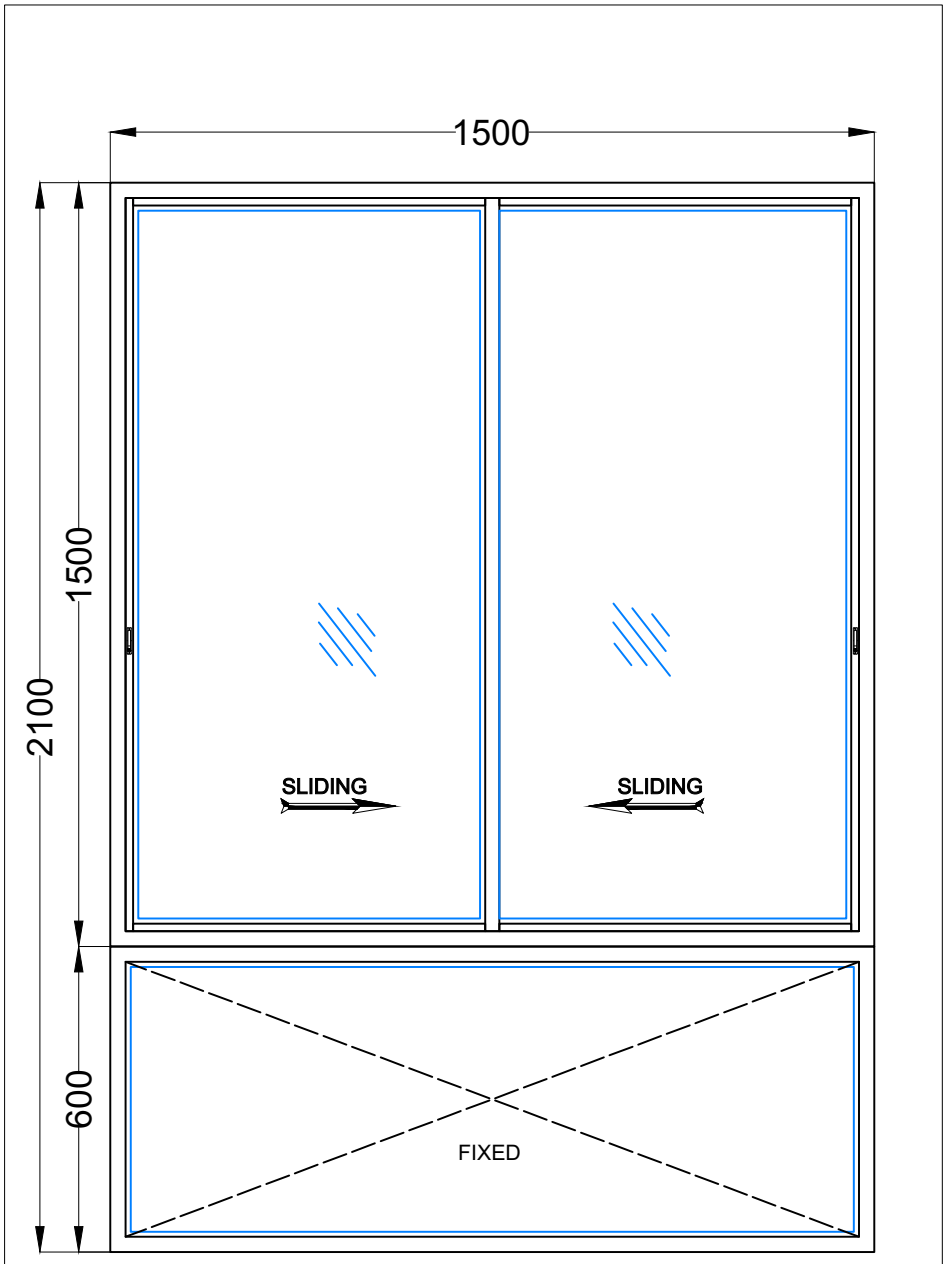
TYPE	3 TRACK SLIDING WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	7149/-***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

2 TRACK SLIDING WINDOW



TYPE	2 TRACK SLIDING WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	5819/- ***

*** Term And Conditions Apply***

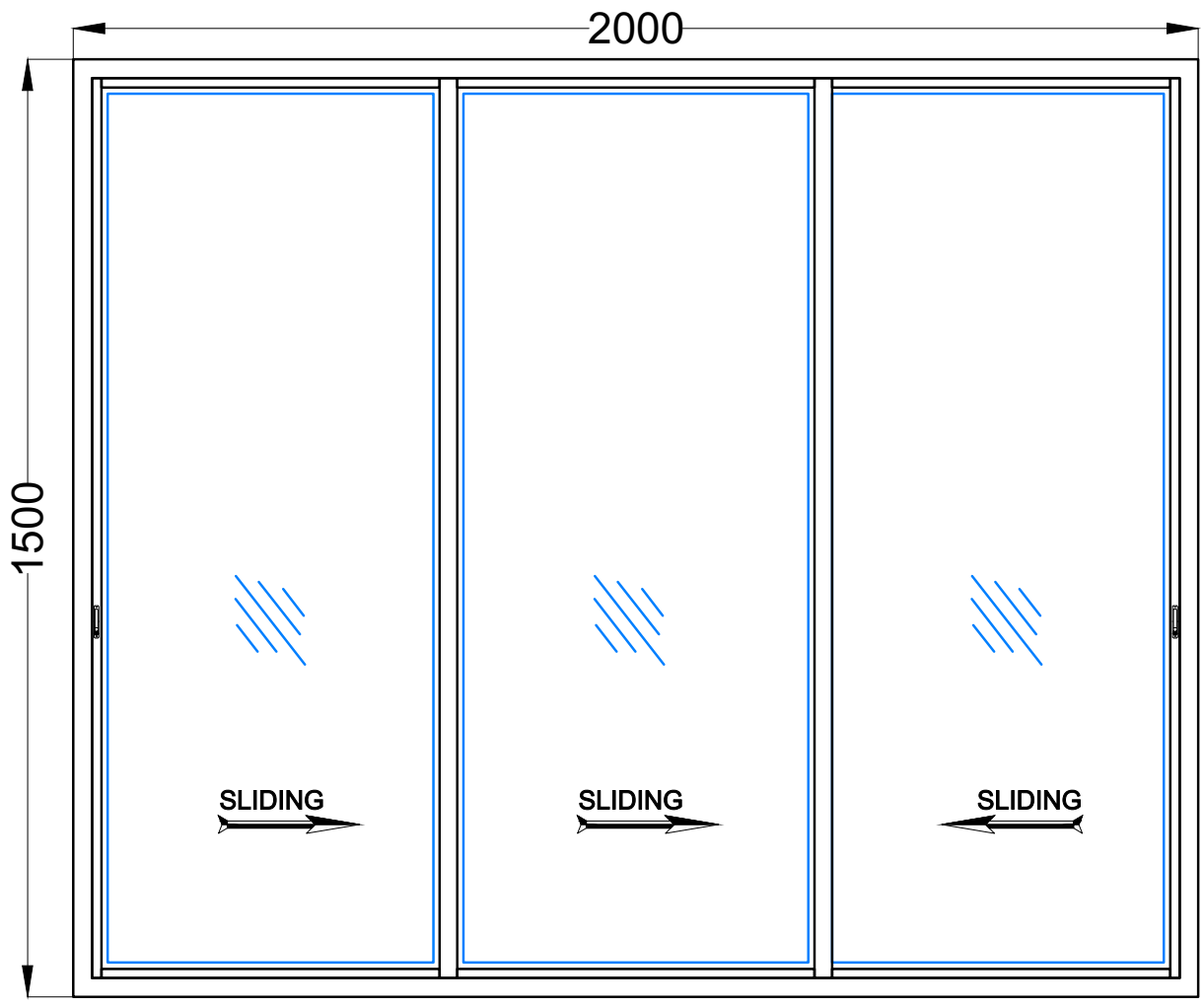
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AMC Available

DOZO Provide

Quality system window in your budget

3 TRACK SLIDING WINDOW



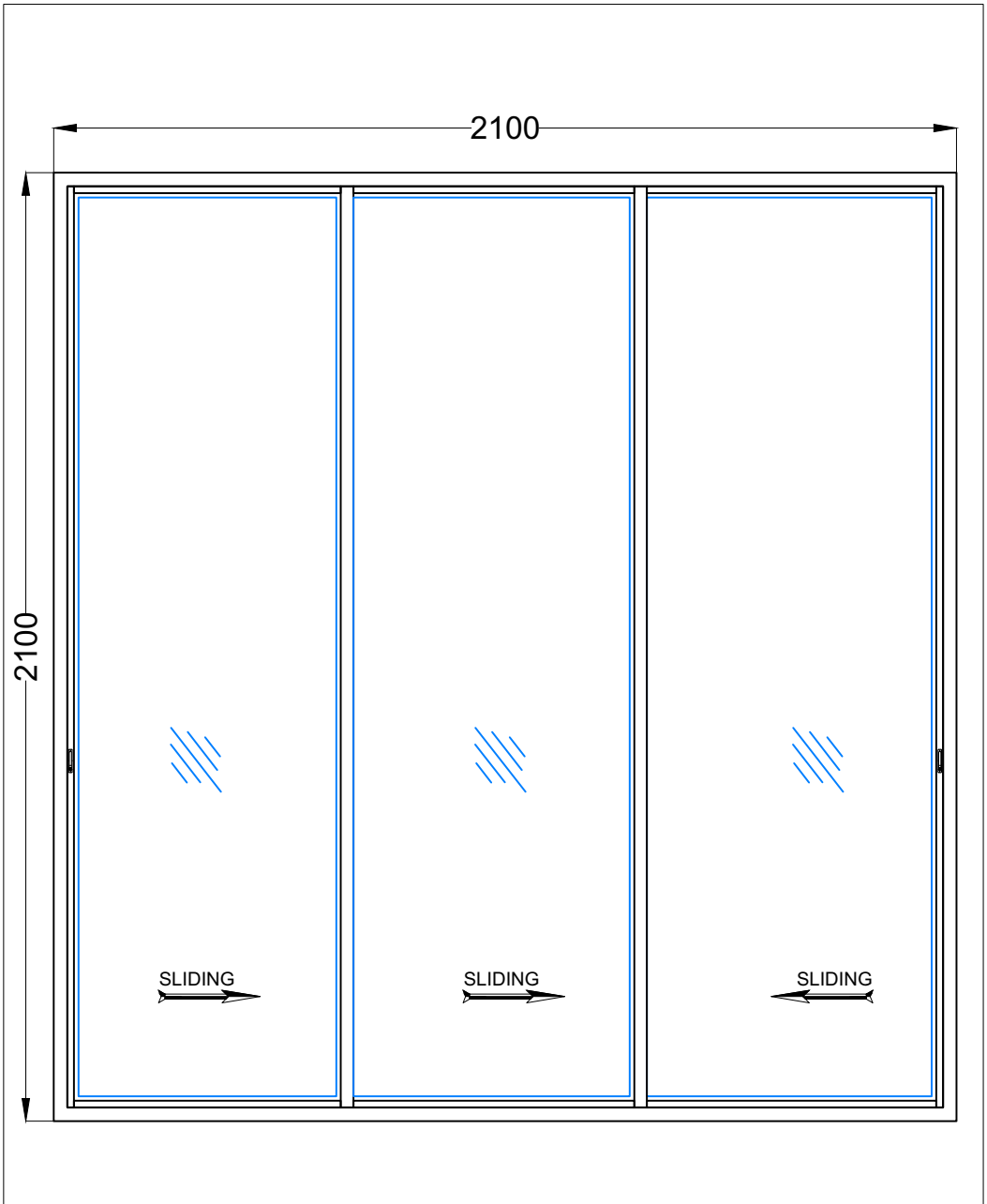
TYPE	3 TRACK SLIDING WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6979/-***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

3 TRACK SLIDING WINDOW



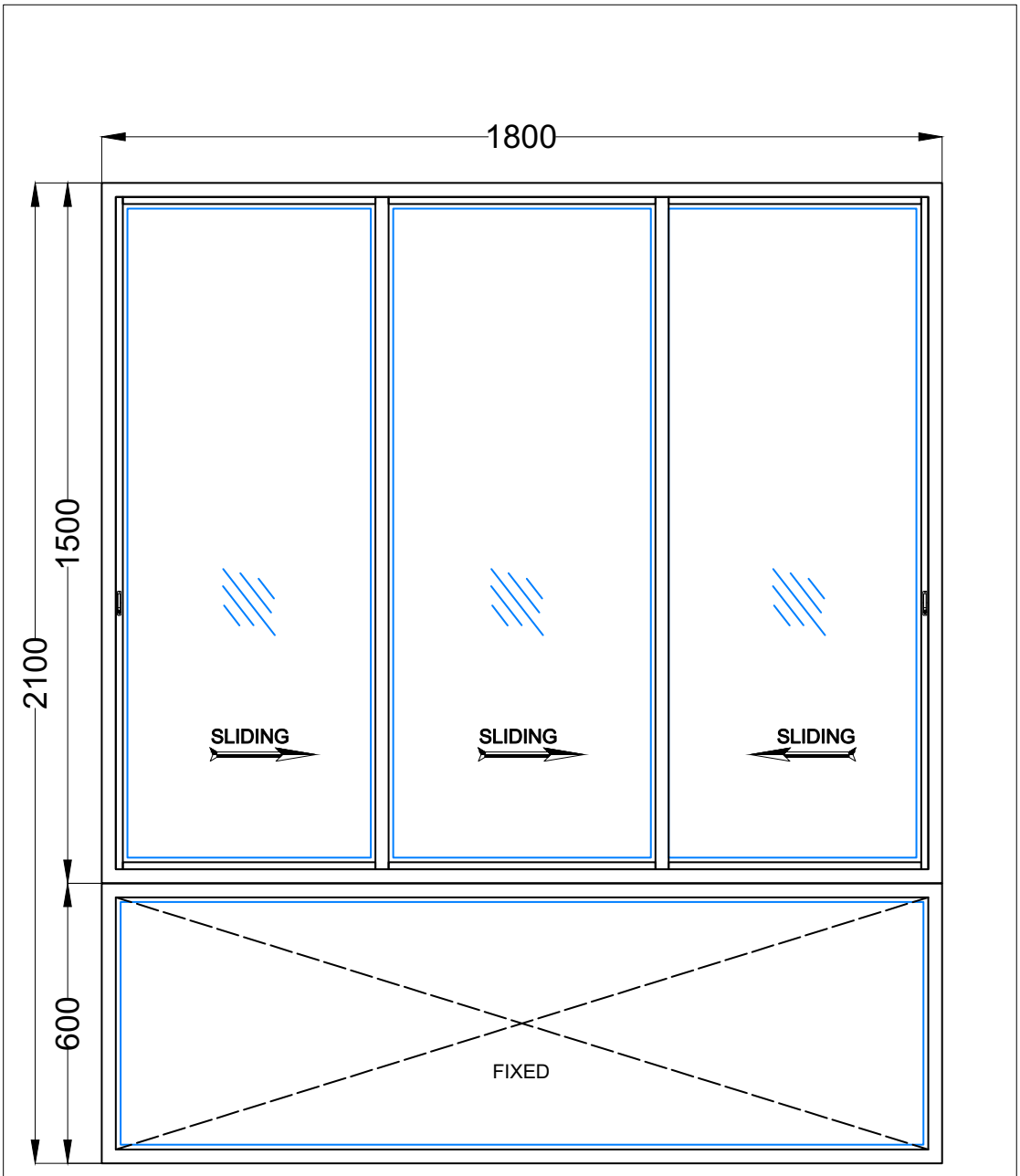
TYPE	3 TRACK SLIDING DOOR
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6139/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

3 TRACK SLIDING WINDOW



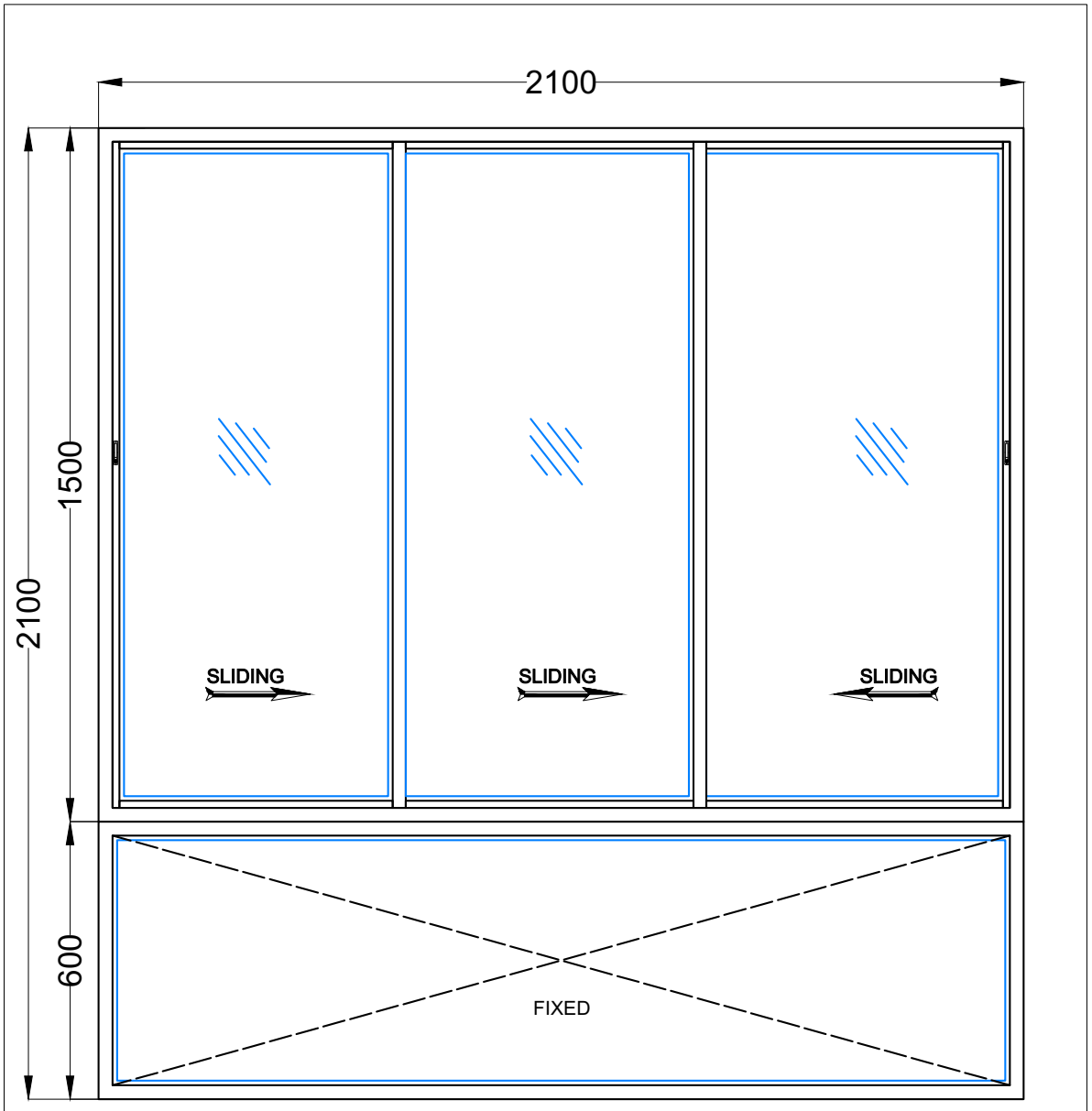
TYPE	3 TRACK SLIDING CUM FIXED WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6839/- ***

*** Term And Conditions Apply***

DOZO Provide

Quality system window in your budget

3 TRACK SLIDING WINDOW



TYPE	3 TRACK SLIDING CUM FIXED WINDOW
GLASS SPC.	CONSIDER 5MM CLEAR TOUGHENED GLASS
RATE/SQM	6539/- ***

*** Term And Conditions Apply***

WINDOW FAÇADE
beyond structural strength

Beyond structural strength and wind-load resistance, modern window façade design plays a critical role in enhancing occupant comfort, energy efficiency, and indoor environmental quality.
Window Façade Design – Daylight, Thermal & Acoustic Performance

1. Daylight Optimization

- Façade glazing is designed to maximize natural daylight penetration.
- Proper daylighting reduces dependence on artificial lighting and lowers energy consumption.
- Glass selection can be tailored to allow more or less visible light transmission based on project requirements.

2. Solar Heat Control

- Advanced glazing systems help reduce solar heat gain while maintaining adequate daylight.
- Low-E and solar control glass minimize heat transmission into the building.
- Reduced heat ingress lowers air-conditioning loads and improves overall energy

3. Occupant Comfort & Sustainability.

- Balanced control of light, heat, and sound enhances occupant well-being and productivity.
- Energy-efficient façades contribute to sustainable buildi.ng performance and reduced operating costs.
- Modern façade systems combine aesthetics, structural integrity, thermal efficiency, and acoustic comfort in a single integrated solution

4. Acoustic Performance:

- Specialized glazing configurations provide effective sound insulation from external noise.
- Double glazing and laminated glass systems can significantly reduce traffic, industrial, and urban noise.
- Improved acoustic comfort creates a quieter and healthier indoor environment.

WINDOW FAÇADE
beyond structural strength

A:20 MM DGU (5MM LOW E + 10A + 5MM CLEAR)

METRIC	TYPICAL VALUE	IDEAL SCENARIO
VLT (Visible Light Transmittance)	~70%–75%	It offer high natural daylighting.The clear and Low E configuration stays bright inside.
SHGC (Solar Heat Gain Coefficient)	~0.35 – 0.42	It has good for warm or mixed climates because the Low E surface reflects the sun's heat. Values depend on the specific Low E brand.
R Factor (Resistance to heat flow)/ Thermal Insulation	~R 3.5 - R 3.8	The 22 mm unit has a wider 12 mm air gap, which optimizes thermal insulation better than the 10 mm gap.
U Factor (Conductive Heat Loss)	~1.5 - 1.6 W/m²K	The 22 mm unit transfers less heat (lower is better).
Sound Reduction	~30-32 DB	50% External Noise

B: 22 MM DGU (5MM LOW E + 12A + 5MM CLEAR.

METRIC	TYPICAL VALUE	IDEAL SCENARIO
VLT (Visible Light Transmittance)	~70%–75%	It offer high natural daylighting. The clear and Low E configuration stays bright inside.
SHGC (Solar Heat Gain Coefficient)	~0.35 – 0.42	It has good for warm or mixed climates because the Low E surface reflects the sun's heat. Values depend on the specific Low E brand.
R Factor (Resistance to heat flow)/ Thermal Insulation	~R 3.9 - R 4.2	The 22 mm unit has a wider 12 mm air gap, which optimizes thermal insulation better than the 10 mm gap.
U Factor (Conductive Heat Loss)	~1.3 - 1.4 W/m²K	The 22 mm unit transfers less heat (lower is better).
Sound Reduction	~32-34 DB	50% External Noise

C. PERFORMANCE PARAMETERS (6MM LOW-E GLASS + 1.52MM PVB + 6MM CLEAR GLASS 13.52 MM TOTAL THICKNESS.

METRIC	TYPICAL VALUE	IDEAL SCENARIO
U-Value	~5.5 - 5.7 W/m²K	Measures thermal insulation. Typical monolithic glass value. Lower is better.
SHGC	~0.50 - 0.70	Solar Heat Gain Coefficient. The fraction of incident solar radiation admitted.
VLT	~65% - 78%	Visible Light Transmittance. The percentage of visible light passing through.
Light-to-Solar Gain (LSG)	~1.15 -1.35	Ratio of VLT to SHGC. Higher means better selection of light over heat.
Sound Reduction	~37-38 DB	60% External Noise

D. TYPICAL PERFORMANCE RANGES (6MM LOW-E + 1.52 PVB + 6MM CLEAR | 12MM GAP | 6MM CLEAR).

METRIC	TYPICAL VALUE	IDEAL SCENARIO
U-Value	~1.4 - 1.8 W/m²K	Excellent insulation for keeping indoor temperatures stable.
SHGC	~0.30 - 0.45 m²K/W	Moderate to low solar control; ideal for hot, sunny climates.
VLT	~50% - 65%	Good daylighting with a slightly tinted/ neutral appearance.
SC	~0.35 - 0.50	Strong shading performance compared to un-tinted single-pane glass.
Sound Reduction	~41- 44 DB	65% External Noise

WINDOW FAÇADE
beyond structural strength

E :6 MM CLEAR GLASS

METRIC	TYPICAL VALUE	IDEAL SCENARIO
U-Value	~1.40 - 1.80 W/m²K	Colder climates (keeps heat in).
R-Factor/Thermal Insulation	~0.55 - 0.71 m²K/W	Colder climates.
SHGC	~0.25 - 0.45	Hot/Tropical climates (blocks summer heat).
VLT	~50% - 72%	Offices & North facades (bright, naturally lit spaces).
Sound Reduction	~26 DB	40% External Noise

F.6MM LOW-E GLASS:

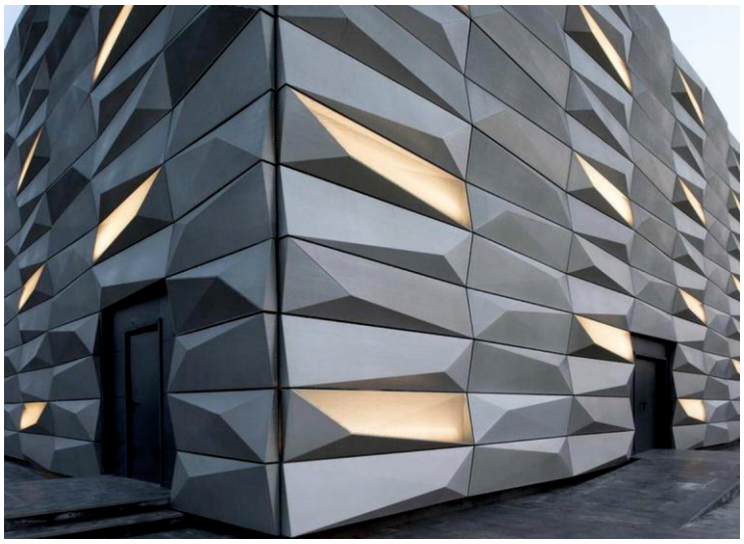
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U-Value	~1.40 - 1.80 W/m²K	Colder climates (keeps heat in).
R-Factor/Thermal Insulation	~0.55 - 0.71 m²K/W	Colder climates.
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Sound Reduction	~26 DB	40% External Noise

ADVANTAGE & DISADVANTAGE
of DOZO Aluminium system with uPVC

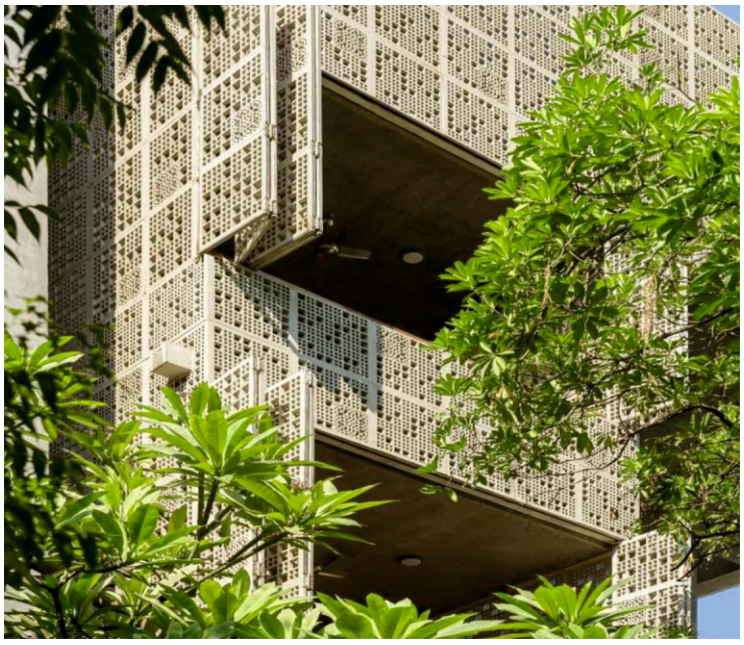
FEATURE	Our Aluminium Windows (with Insulated Core)	UPVC WINDOWS
Strength & Durability	High durability, supports large glass panels	Less strong, can warp over time
Fire Resistance	Fire-resistant, does not release toxic fumes	Can melt & release harmful gases
Thermal Insulation	Advanced insulation inside hollow sections	Decent but not as effective
Noise Reduction	Excellent soundproofing with insulated core	Excellent soundproofing with insulated core
Maintenance	Low maintenance, weather-resistant	Requires care to prevent discoloration
Eco-Friendliness	100% recyclable, sustainable	Non-biodegradable but recyclable
Customization	Available in multiple colors & finishes	Limited design options
Health & Safety	Lead-free, non-toxic materials (IS 16610:2017), prevents mold growth, and fireresistant	May contain toxic lead or cadmium, prone to mold & bacteria growth
Indoor Air Quality	Low VOC emissions (IS 4833:1993), ensuring healthier indoor air	Some uPVC materials release harmful VOCs, affecting air quality
Hygiene & Allergen Prevention	Non-porous surface prevents bacteria & mold growth	Can trap dust and allergens, leading to respiratory issues

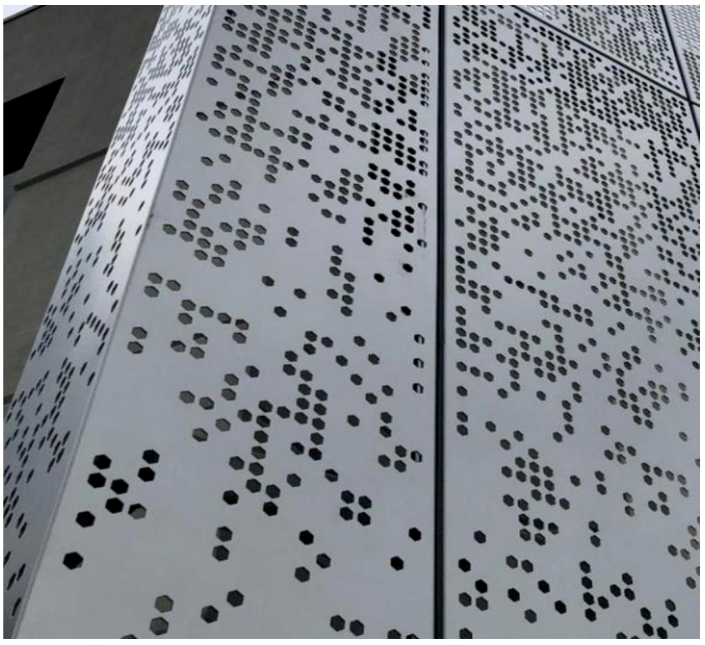
TESTED PARAMETERS
of DOZO System Windows:

PARAMETER	TESTING STANDARD / METHOD	PERFORMANCE BENCHMARK
Wind Load Resistance	IS 875 (Part 3):2015	Designed to withstand high wind pressures, ensuring structural integrity.
Thermal Insulation (U-value)	ISO 10077-2	Low U-value for superior heat retention and energy efficiency.
Sound Insulation	ISO 10140 / ASTM E90	Up to 45 dB noise reduction for a peaceful indoor environment.
Water Tightness	EN 1027 / IS 4021	Prevents water infiltration, ensuring leak-proof performance.
Air Permeability	EN 1026 / ASTM E283	High airtightness, reducing energy loss and preventing dust ingress.
Impact Resistance	IS 2380 / EN 12600	Tested for impact strength to prevent breakage under external forces.
Fire Resistance	IS 3809 / EN 13501-1	Non-combustible aluminium with fire-resistant properties.
Corrosion & Weather Resistance	IS 5523 / ASTM B117	Resistant to humidity, UV radiation, and extreme climate conditions.
Durability & Lifecycle Testing	IS 12817 / EN 1191	30,000+ open-close cycles to ensure long-term performance.
Glass Strength & Safety	IS 2553 / EN 12150	Tested with toughened & laminated safety glass for enhanced security.

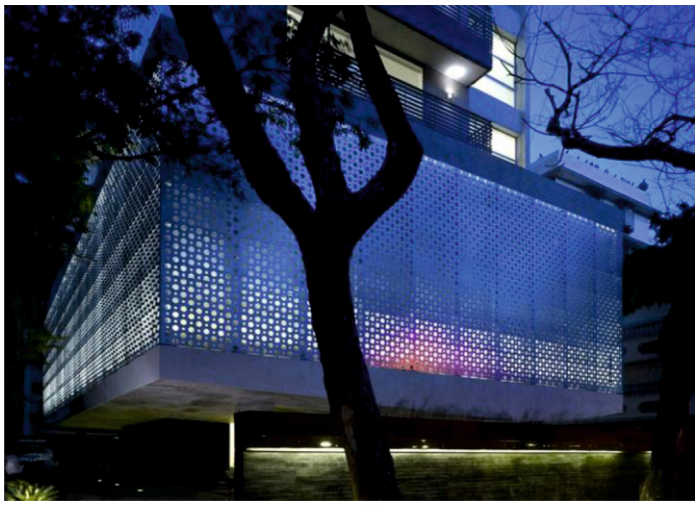




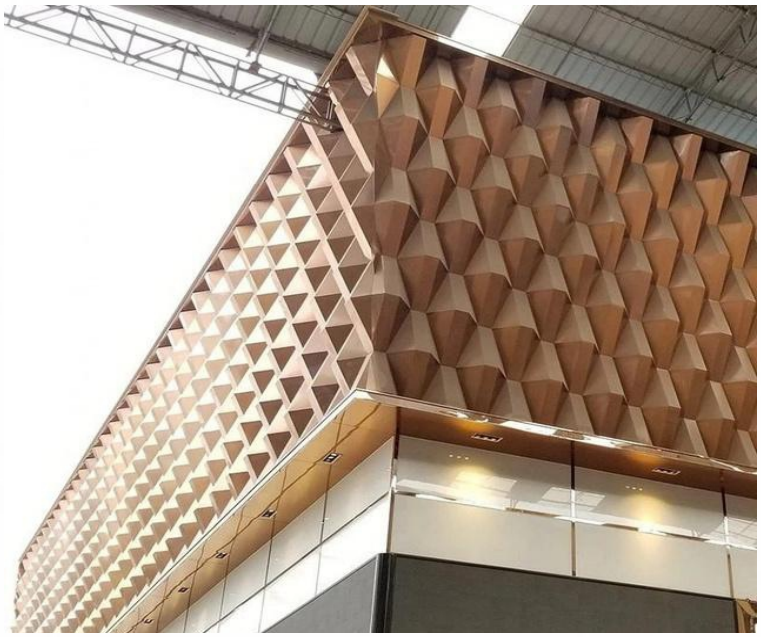




















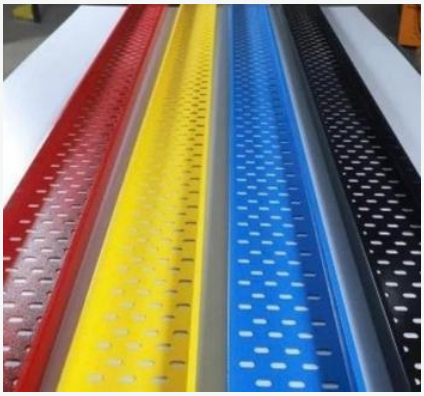
DOZO
PRODUCTS



Perforated Cable Tray







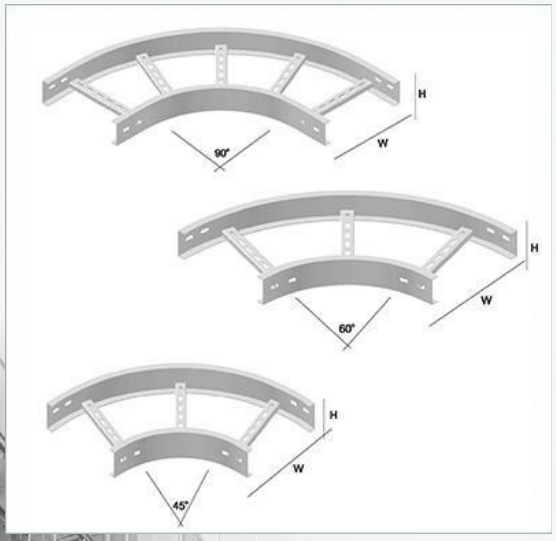
Cable Tray Cover







Cable Tray Bend







: dozo.co.in

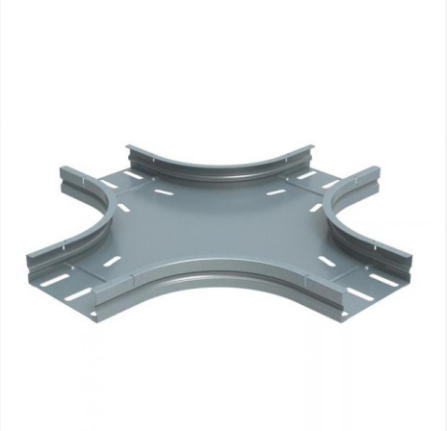
AMC Available

DOZO PRODUCTS



Cable Tray Tee / Cross







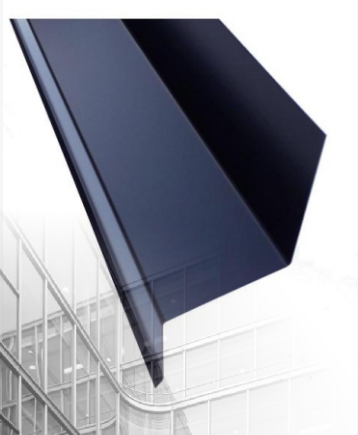
Cable Tray Accessories / Support Brackets

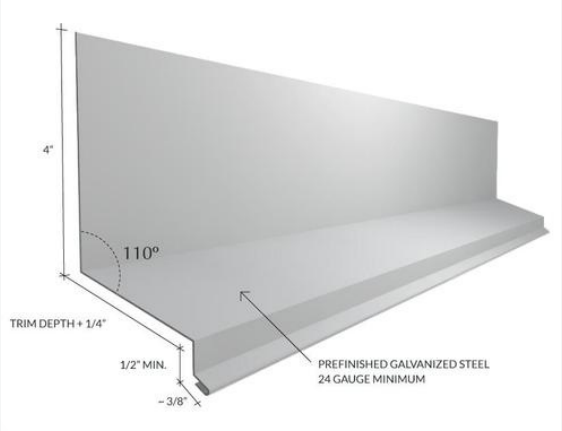






Flashing

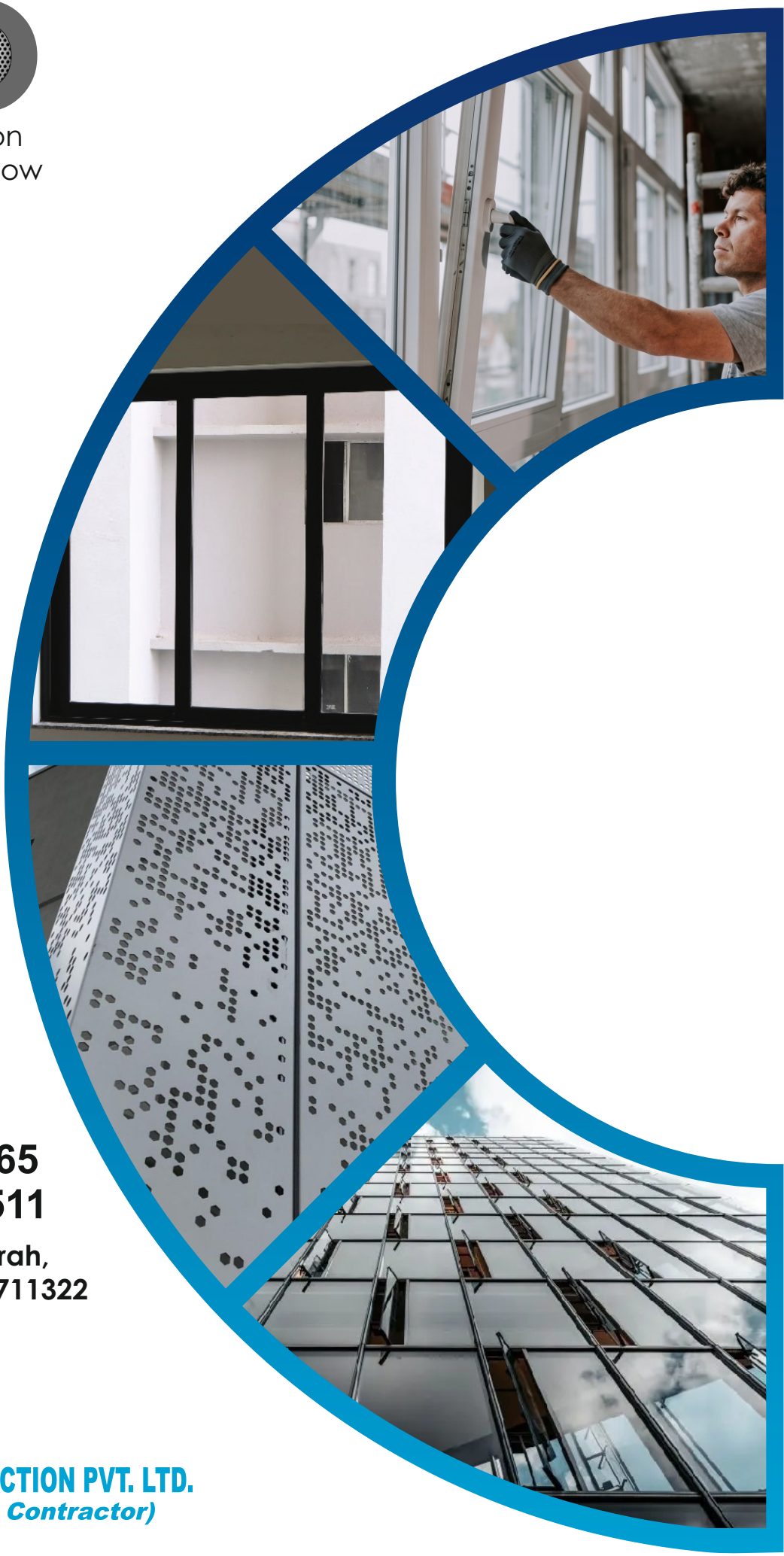






DOZO

Facade & Fenestration
Aluminum system window



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