



# LUMINOUS<sup>™</sup> STELLA

TECHNICAL DATA &  
DRAWINGS





# COMING SOON

- Manually Activated Seals
- Dry Glazing (exchangeable glass)
- Acoustical performance - 44DB
- Protected Edge Frames
- Low Profile Top & Bottom Rails
- Extra Low Profile Vertical Rails

### Dimensions

Panel Thickness	4 1/4" [115mm]
Panel Widths	33" [840] - 51" [1300]
Height (máx.)	up to 10' 10" [3300]

### Construction

Glazing	Tempered Glass / Laminated Glass
Extras	Electrically controlled blinds Switchable & Back Painted Writable Surfaces
Element connections	Complementary geometry aluminium profiles (Positive - Negative)

## TECHNICAL DATA SHEETS AND DRAWINGS INDEX

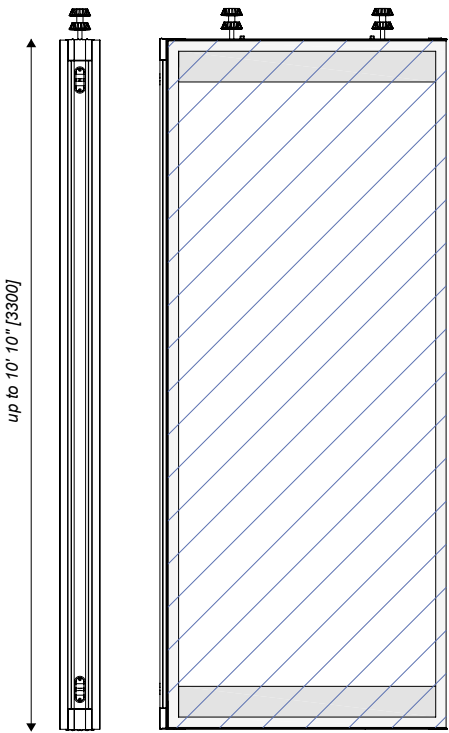
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STELLA PANELS  
MOVABLE GLASS WALLS



STELLA PANELS  
BASIC PANELS



Technical data

Dimensions [mm]

Panel Thickness	4 1/4" [115]	4 11/16" [119]
Panel Widths (range)	33" [840] - 51" [1300]	
Height (máx.)	up to 10' 10" [3300]	14' 9" [4500]

Construction

Glazing	Tempered or Laminated
Options	Electrically controlled blinds Switch, Frosted, Fully Back-Painted Glass
Element connections	Complementary geometry aluminium profiles (Positive - Negative)

Frame profile

Black/White	●
Anodized or RAL colors	○

Equipment details

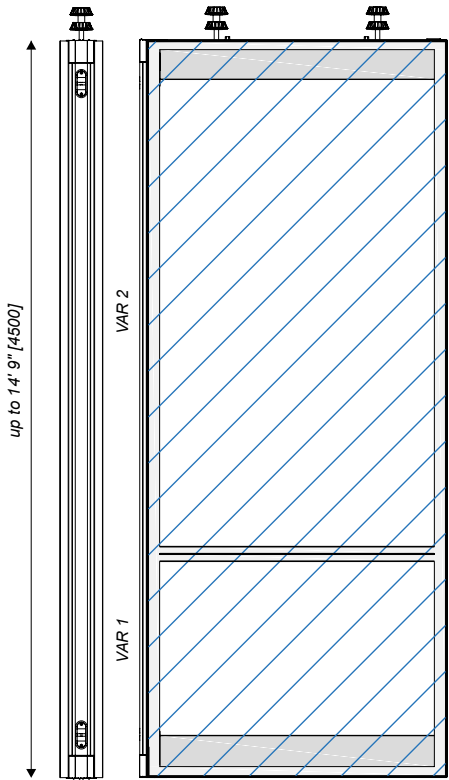
Semi-Automatic	●
Full-Automatic	○

Suspension

Technical specifications	STC (dB)	Weight (lbs/ft²)
	44	8.00 [39]
Per ISO 10140-2:2010 converted to ASTM E-90 standard*	50	9.85 [48]

\* Laboratory rate.  
In the Fully Automatic Systems a top segmented panel with a  
minimum height of 18 1/8" [460mm] is required.

● Standard equipment  
○ Option



FULLY AUTOMATIC

STELLA fully automatic i-Core system allows the user to position the wall automatically then lock and seal the panels quickly and safely by way of an electronic key-switch. Each panel is driven electrically along the track and contains a wireless two-way control unit which the master control is able to identify & communicate. This allows the user to program such things as speed of closure and configuration. Panels' operating batteries charge both in extend and stacked positions. In the event of a long power interruption a battery back-up is supplied as standard.

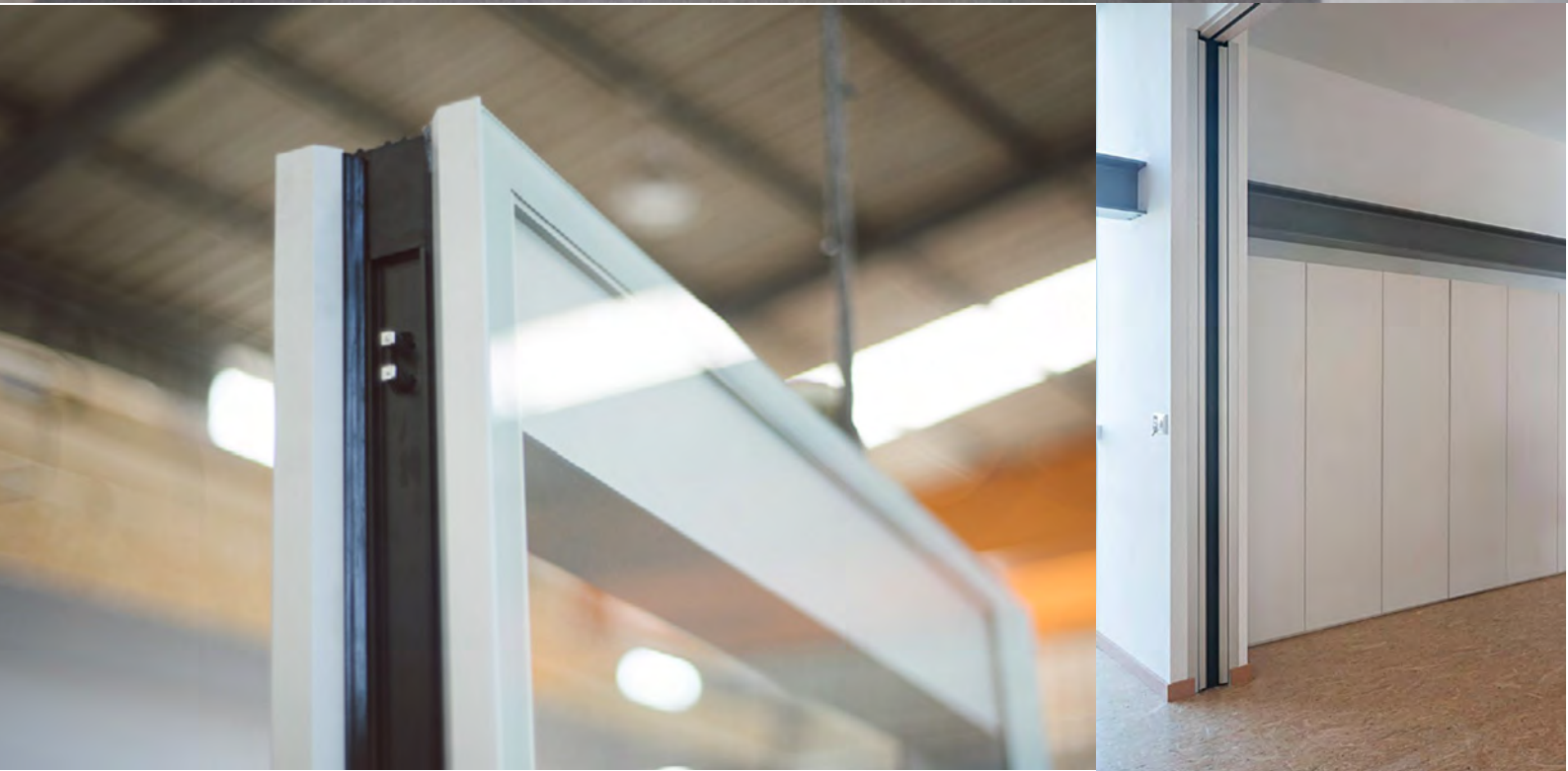


SEMI-AUTOMATIC

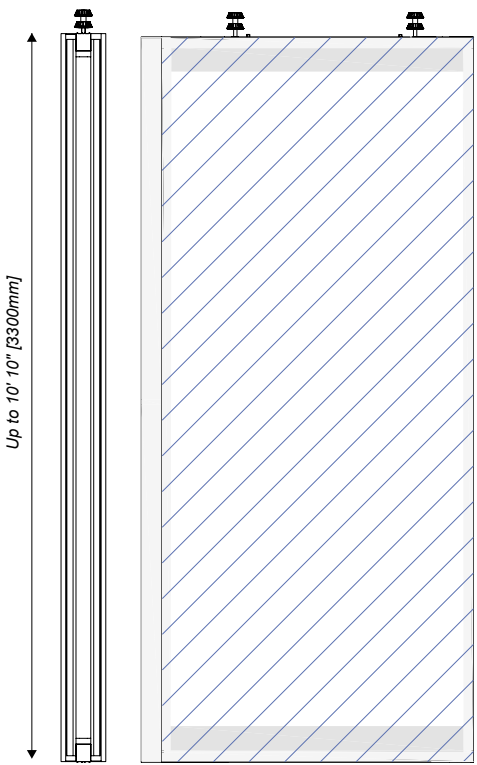
Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a low voltage (24v) actuator powered by a certified power supply. A battery back-up can be supplied for use in case of a power outage.



STELLA PANELS  
TELESCOPIC CLOSURES

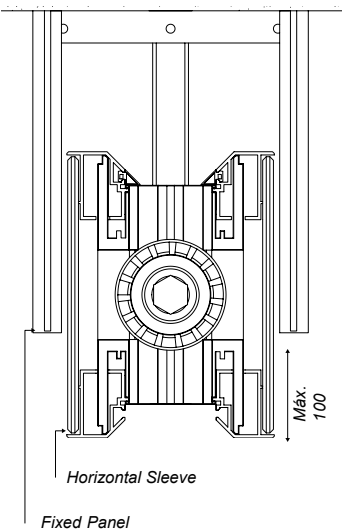


STELLA PANELS  
TELESCOPIC CLOSURES



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Construction		
Glazing	Tempered or Laminated	
Options	Electrically controlled blinds Switch, Frosted, Fully Back-Painted Glass	
Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Frame profile		
Black/White	●	
Annodized or RAL colors	○	
Equipment details		
Semi-Automatic	●	
Full-Automatic	○	
Suspension		
	Single Point Center/ Multi-Directional	
Technical specifications		
	STC (dB)	Weight (lbs/ft²)
Per ISO 10140-2:2010 converted to ASTM E-90 standard*	44	8.00 [39]
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* Laboratory rate.		
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		● Standard equipment ○ Option

FIXED TELESCOPIC CLOSURE



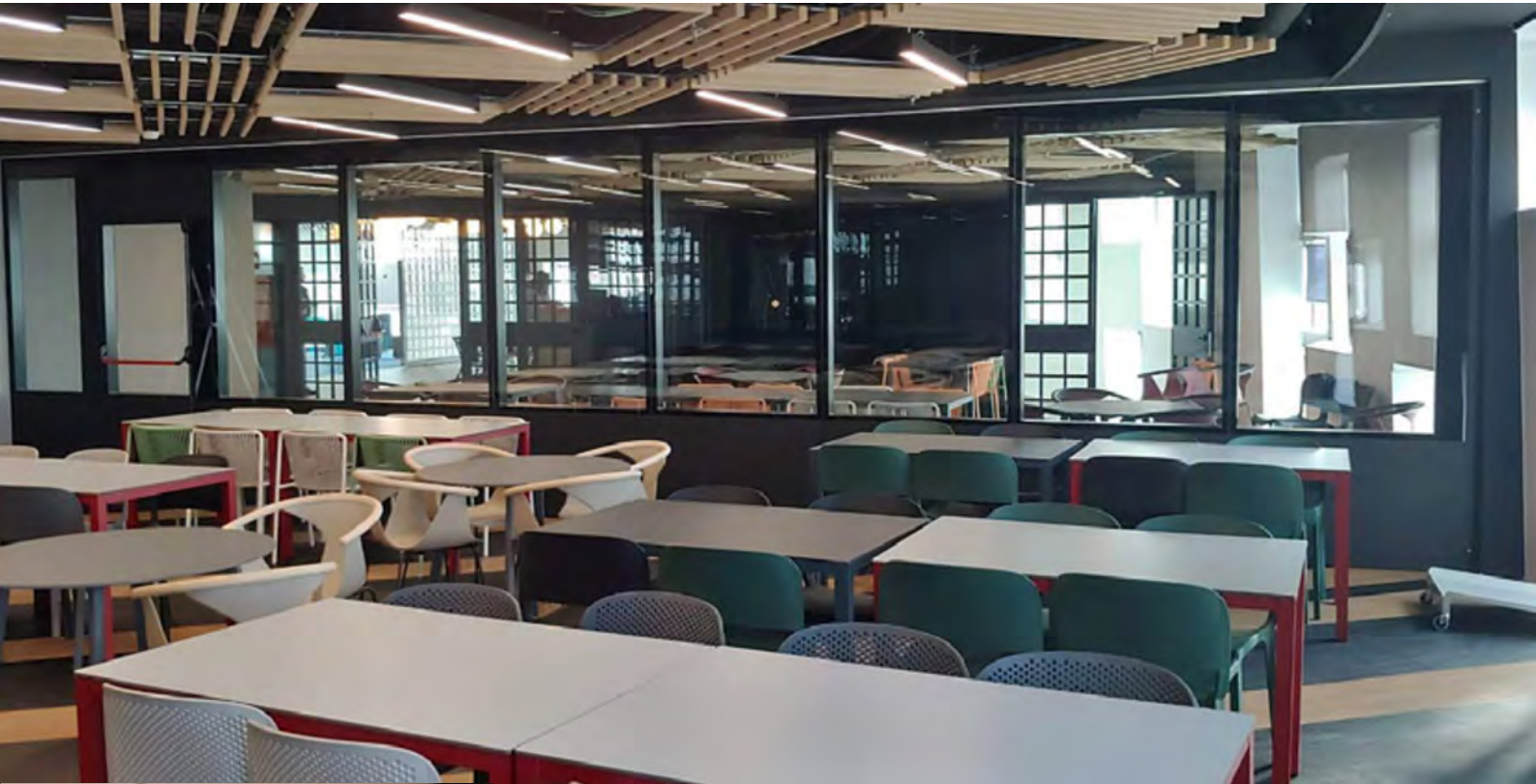
**FIXED CLOSURES**  
STELLA fully automatic fixed closure is designed into the adjacent wall and automatically extends to seal the partition in place. This closure system provides a 4" [101] extension. The automatic closure compresses the panels tightly together to provide a superior vertical panel-to-panel acoustic seal. Special design considerations are required for the fixed wall, so contact your Kwik-Wall distributor to request design assistance.



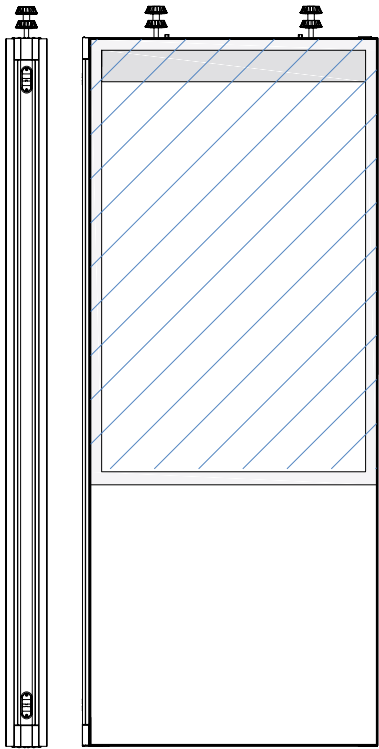
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Our semi-automatic E-Lock system allows the user to fully lock the panels quickly and safely after positioning by way of an electronic key-switch. This allows the wall to automatically seal at the top and bottom to lock it from movement and to insulate it acoustically. The system runs by way of a quick-action worm screw driven by a low voltage (24v) actuator powered by a certified power supply. A battery back-up can be supplied for use in case of a power outage.



STELLA PANELS  
SOLID & MULTI-FACED PANELS



STELLA PANELS  
SOLID & MULTI-FACED PANELS

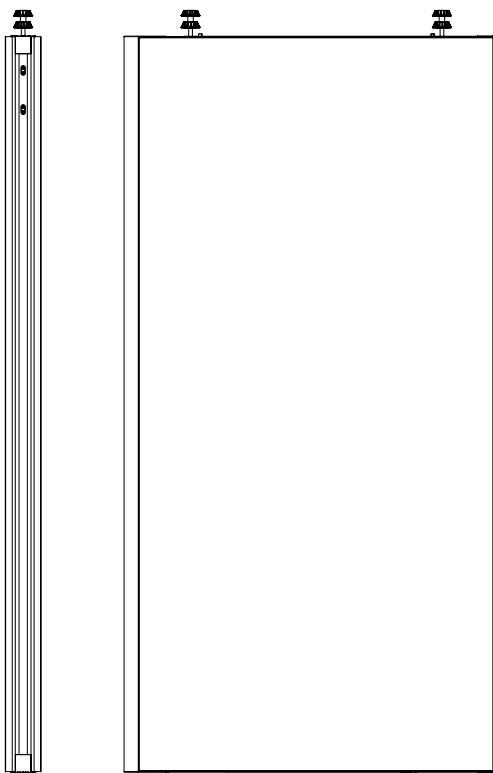


Technical data

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Element connections	Complementary geometry aluminium profiles (Positive - Negative)	
Frame profile		
Black/White	●	
Annodized or RAL colors	○	
Equipment details		
Semi-Automatic	●	
Full-Automatic	○	
Suspension		
	Single Point Center/ Multi-Directional	
Technical specifications		
Per ISO 10140-2:2010 converted to ASTM E-90 standard*	STC (dB)	Weight (lbs/ft²)
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● Standard equipment  
○ Option



Optional Solid Panels  
Melamine, or Back Painted Glass

W908 ST2	W980 ST2
U999 ST2	U708 ST9

NOTE  
Other finishes may be available including writing surfaces. Contact your Kwik-Wall distributor.



STELLA PANELS  
SINGLE INSET PASSDOOR



FRAME & HANDLES

Our inset pass doors are recognized as the most advanced design in the market. All our handles are manufactured from high-grade stainless steel to exacting standards. Choose a flush handle for solid doors required in areas allowing no protrusion or a pull handle for glazed doors and solid doors in less demanding environments.



HINGE SYSTEM

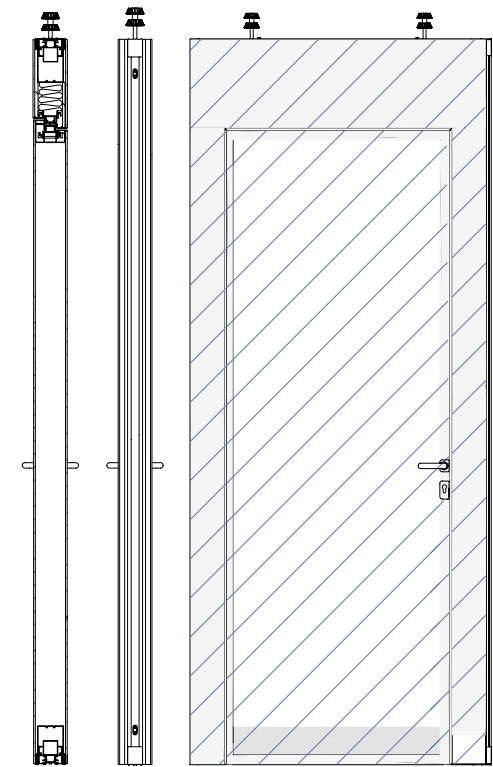
STELLA innovative concealed hinge allow full adjustment of the door in three dimensions. The Simonswerk hinge system offers superior engineering and quality with clean aesthetics unmatched by any other manufacturer.



CONTROL DETAILS

Low voltage electrical contacts are housed in our proprietary aluminum astragal profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom which extends automatically during the closing action of the door.

STELLA PANELS  
SINGLE INSET PASSDOOR



Technical data

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Element connections	Complementary geometry aluminium profiles (Positive - Negative)

Frame profile

Black/White	●
Anodized or RAL colors	○

Equipment details

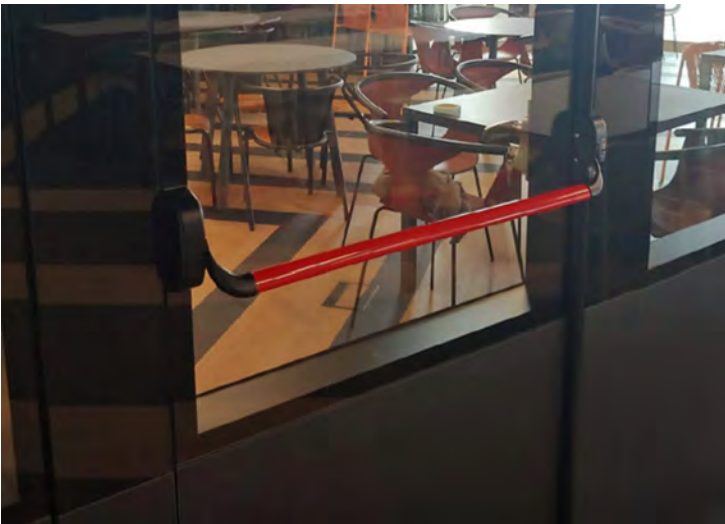
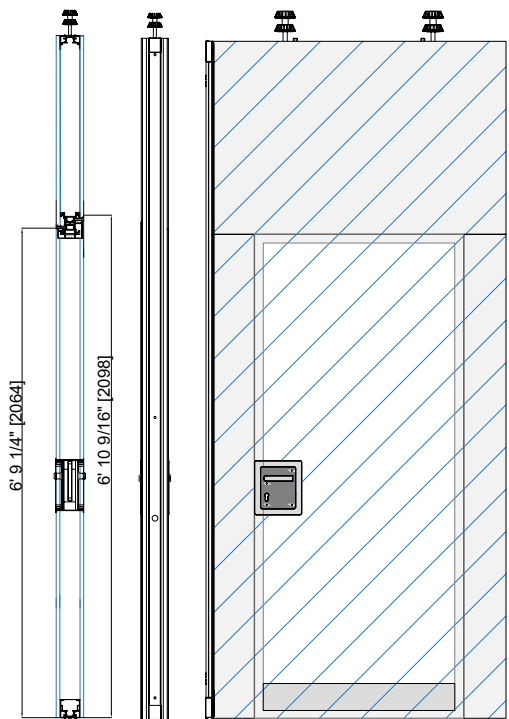
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Suspension

Single Point Center/ Multi-Directional		
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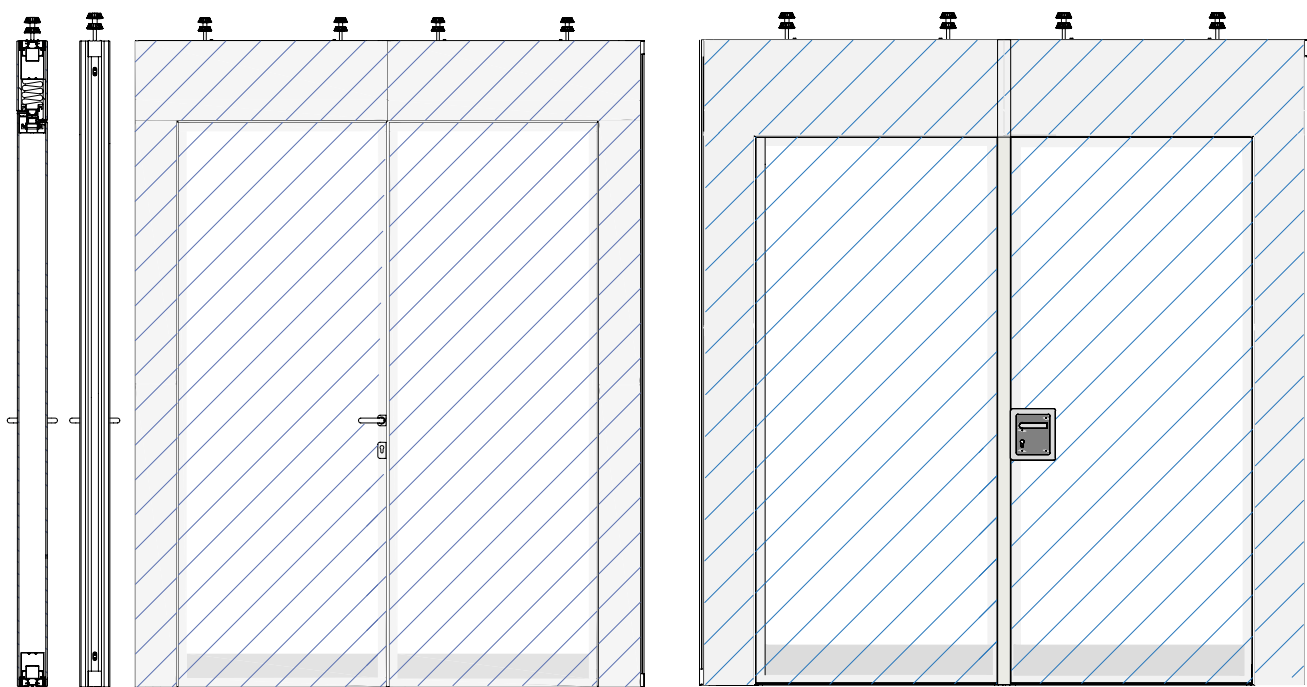
Optional Panic Hardware



STELLA PANELS  
DOUBLE INSET PASSDOOR



STELLA PANELS  
DOUBLE INSET PASSDOOR



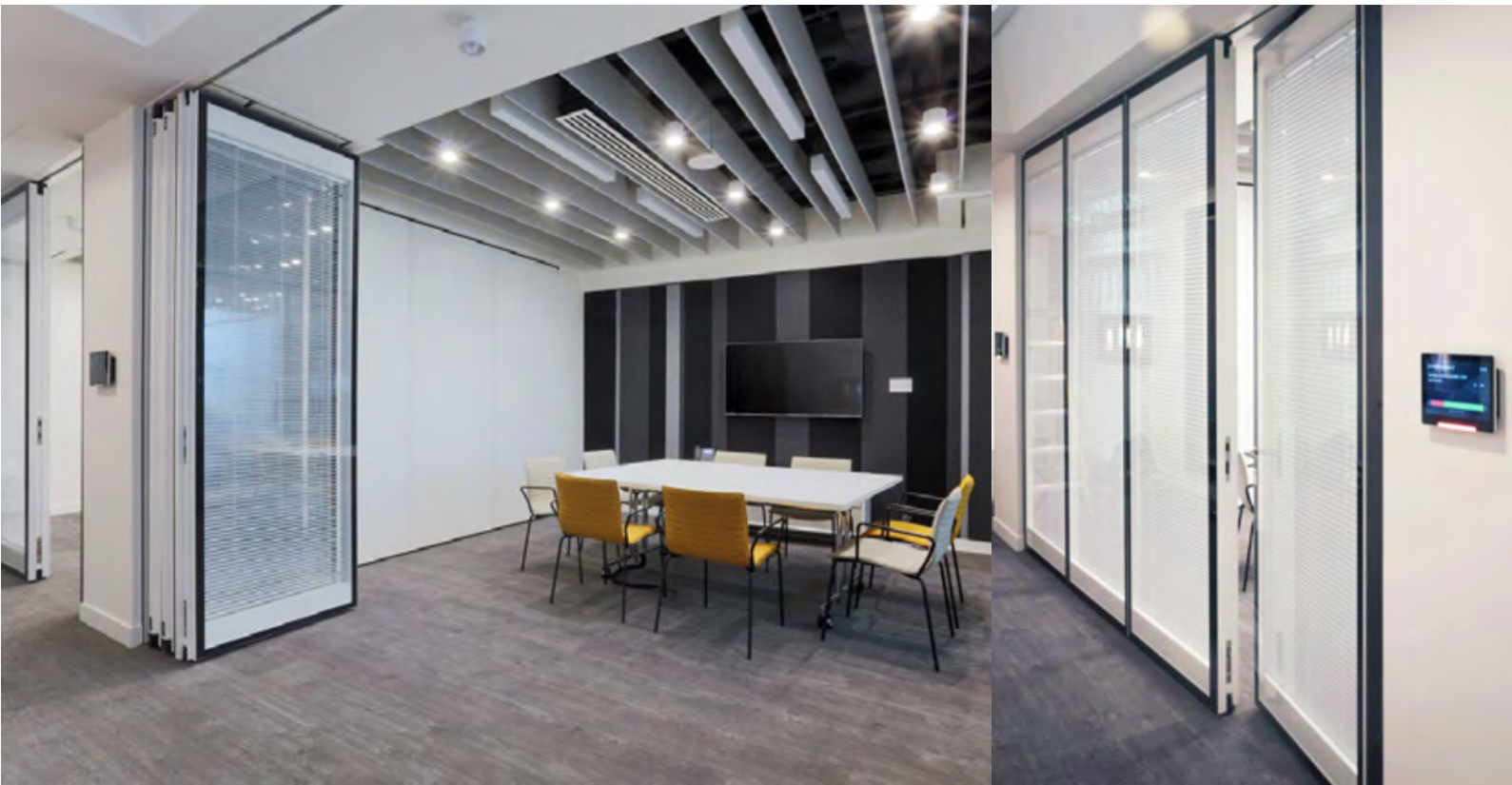
Optional Multiple Passdoors






STELLA PANELS

FULL-HEIGHT HINGED PASSDOOR






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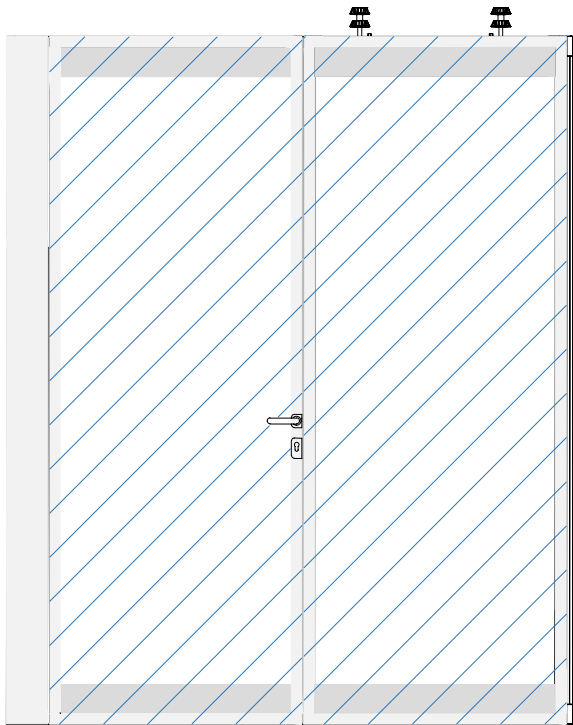


**CONTROL DETAILS**

Low voltage electrical contacts are housed in our proprietary concave/convex aluminum profiles that guarantee ease of operation and an uninterrupted and safe electrical flow between the panels. The door is equipped with a pressure seal at the bottom, which extends automatically during the closing action of the door.

STELLA PANELS

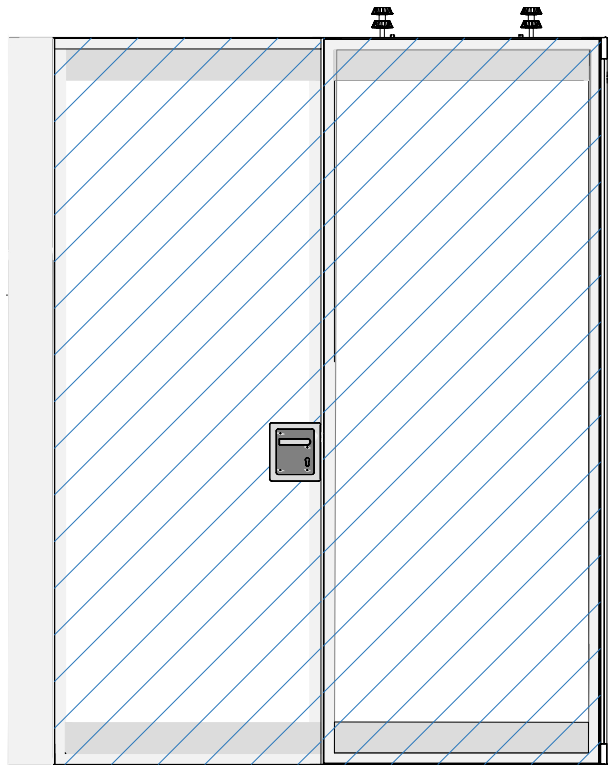
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● Standard equipment  
○ Option

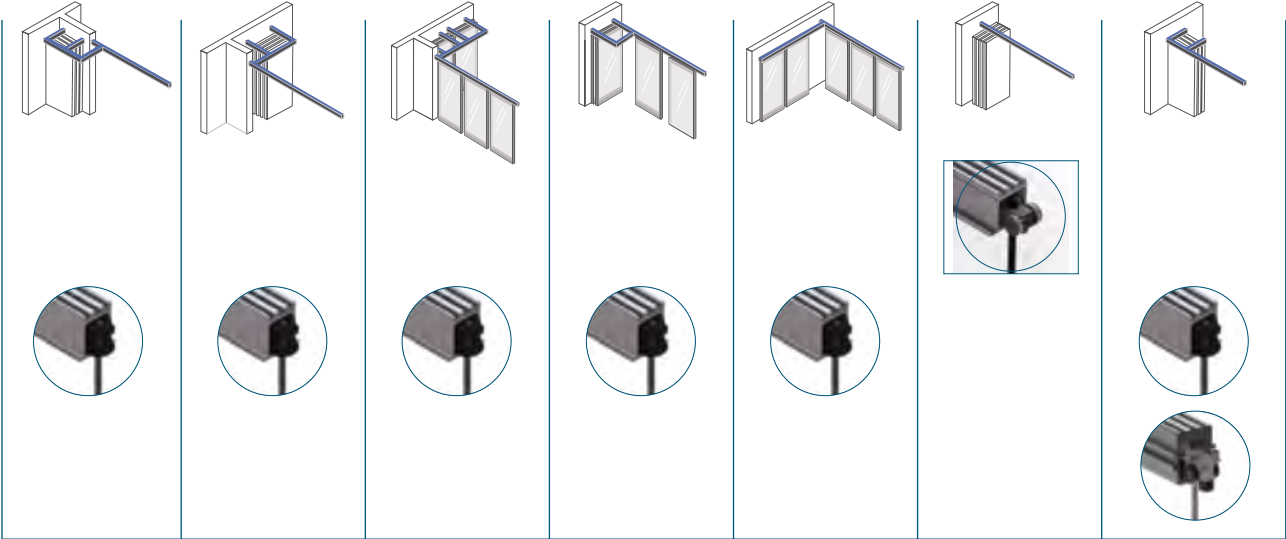


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# CEILING TRACK, SUSPENSION TYPES AND STACKING SYSTEMS

## Stacking Systems



## Ceiling Track



**TRACK TYPE UD**  
**Uni-Directional**  
 Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 358Kg per panel.



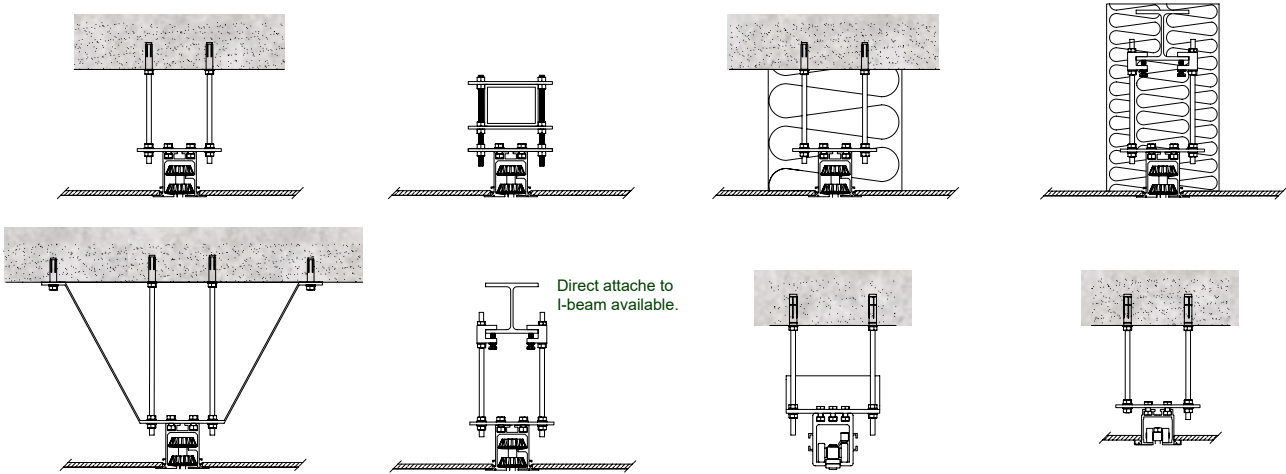
**TRACK TYPE MDS**  
**Standard Multi-Directional**  
 Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 453Kg per panel.



**TRACK TYPE MDH**  
**Heavy duty Multi-Directional**  
 Aluminum track profiles extruded from architectural grade 6063-T6 alloy. Load bearing capacity: 850Kg per panel.



## SUSPENSION TYPES



## Back Painted Writing Surfaces



## Full Coverage Back Painted Glass



## Automatic Mini Blinds



## Switchable Glass





LUMINOUS Movable Glass Walls by Kwik-Wall Company



217-522-5553

[www.kwik-wall.com](http://www.kwik-wall.com)

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