



Folding Partition

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Introduction

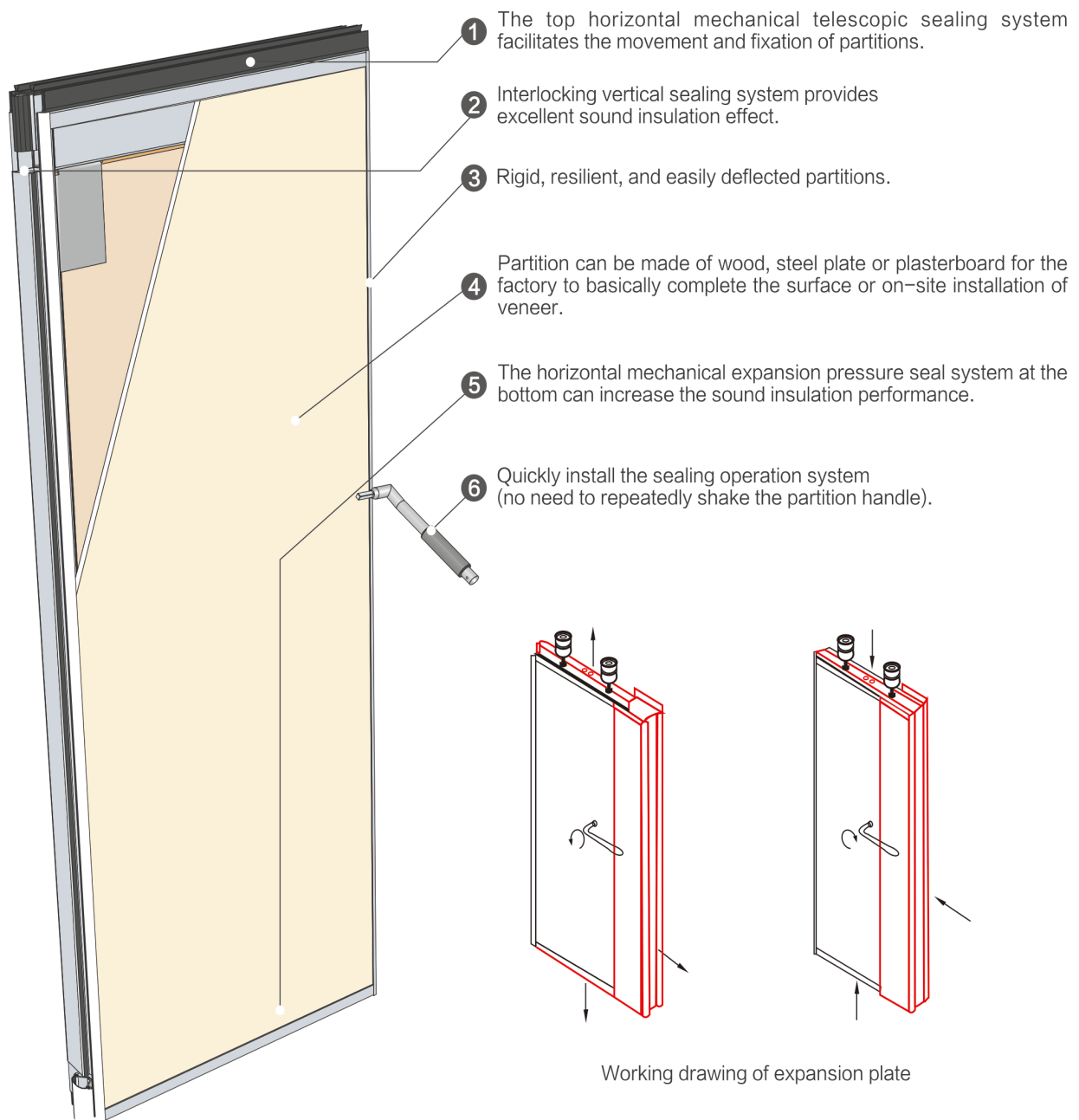
Operable Folding Partitions are an essential addition to multi-purpose facilities like common halls, chapels and activity rooms etc.

Australia Building Components (ABC) manufactures and supplies a variety of partition walls to suit designers' needs. All models come with heavy duty rail structures and advanced sound proofing seals for best daily performance.

On the aesthetic aspect, our panels can be delivered in different panel thickness, finishes, sound proofing level and with full automated systems available. With options to satisfy the most demanding requirements, ABC partitions are always here to fulfill developers and architects ideal design.

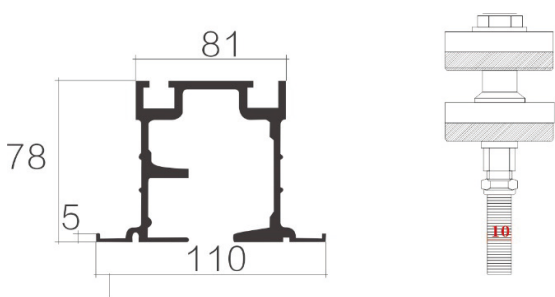
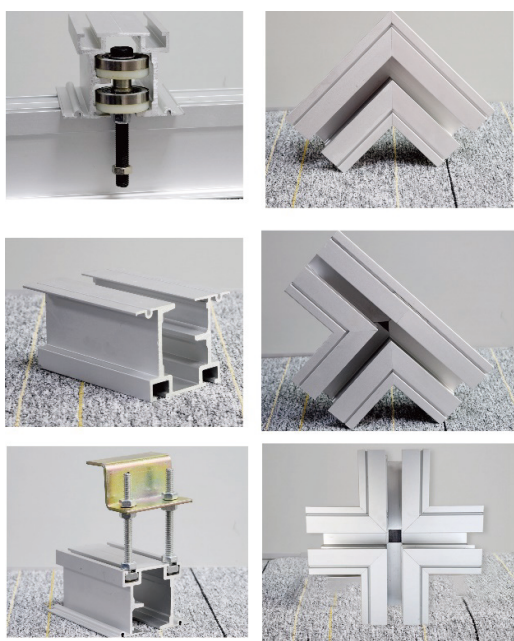
ABC Manual Operable Partition System

PRODUCT FEATURE

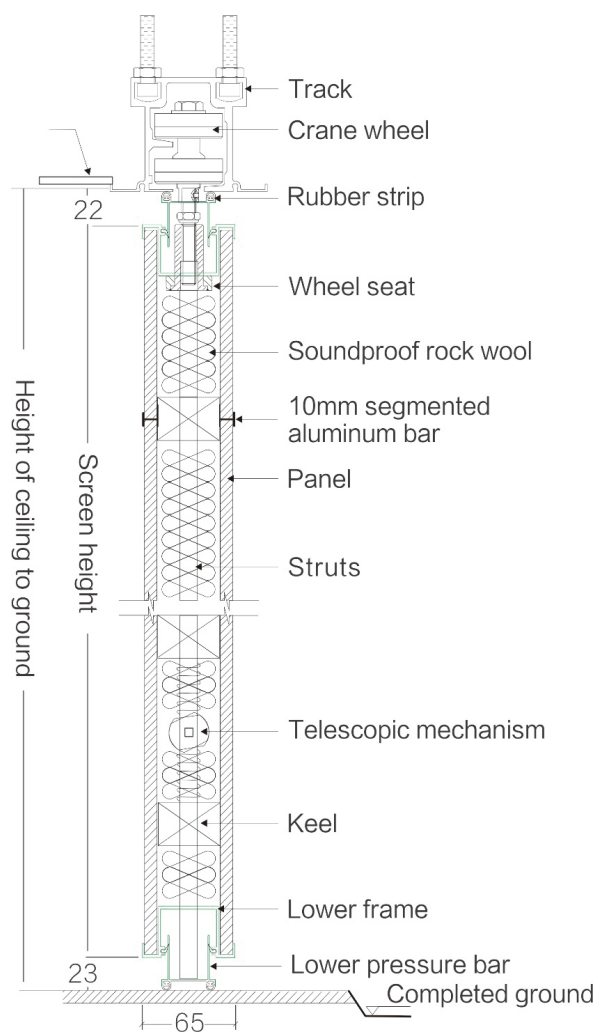


TYPE 65 SYSTEM

Model: ABC-MOP-65



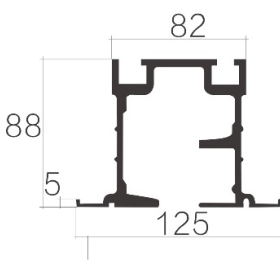
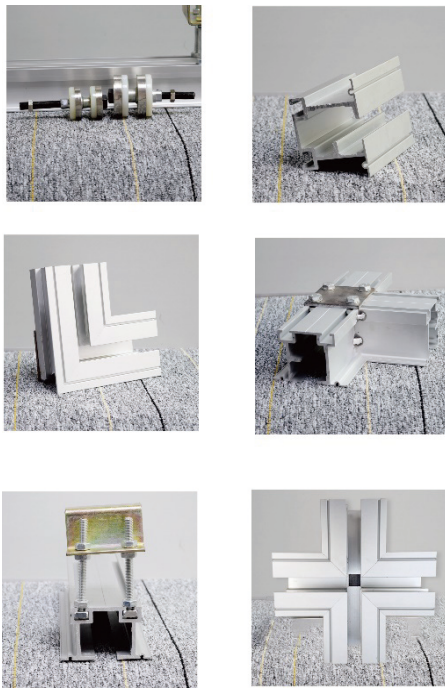
Type 65 orbit



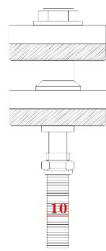
Height	Thickness	Width	Panel material	Sound insulation coefficient (DB)	Expansion range (mm)	Diaphragm weight (kg/m ²)
3500	65	750~1220	Glassy magnesium plate	32	140	27
3500	65	750~1220	MDF	32	140	25
3500	65	750~1220	Color steel plates	32	140	19
3500	65	750~1220	Melamine board	32	140	25
3500	65	750~1220	Plasterboard	32	140	24

TYPE 82 SYSTEM

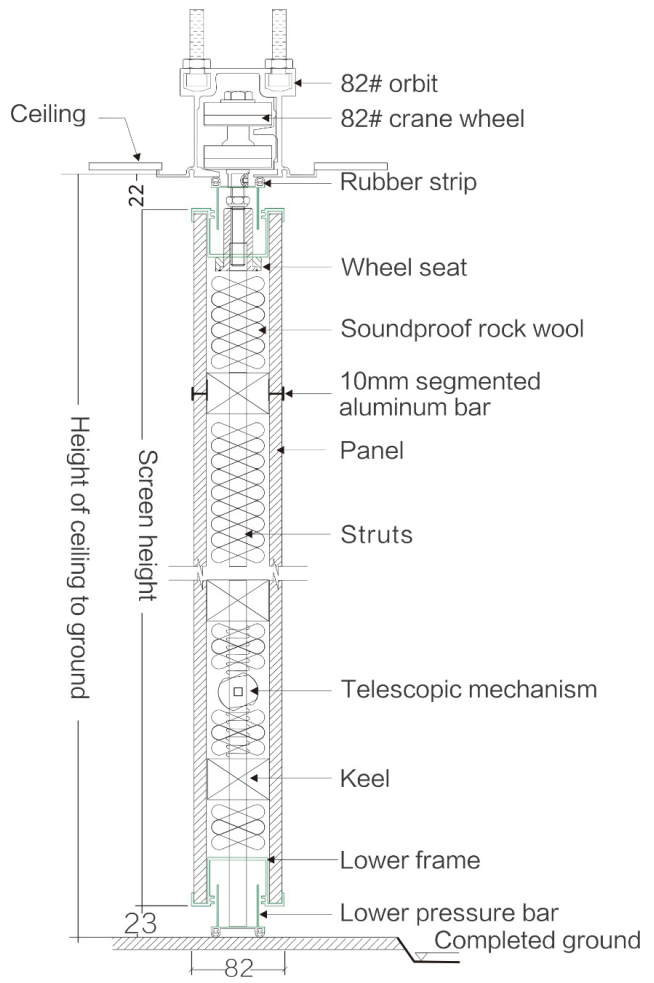
Model: ABC-MOP-82



Type 82 orbit



Type 82 suspension wheel

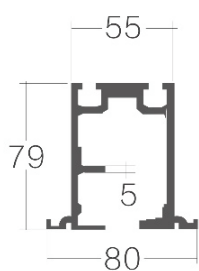
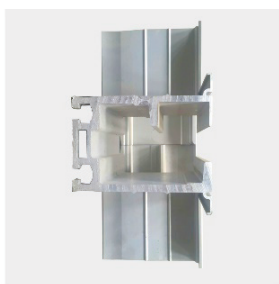


Reference diagram of movable partition structure

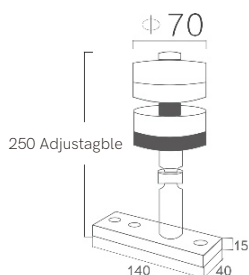
Height	Thickness	Width	Panel material	Sound insulation coefficient (DB)	Expansion range (mm)	Diaphragm weight (kg/m ²)
6000	82	750~1220	Glassy magnesium plate	42	140	32
6000	82	750~1220	MDF	42	140	27
6000	82	750~1220	Color steel plates	42	140	25
6000	82	750~1220	Melamine board	42	140	27
6000	82	750~1220	Plasterboard	42	140	31

TYPE 96 SYSTEM

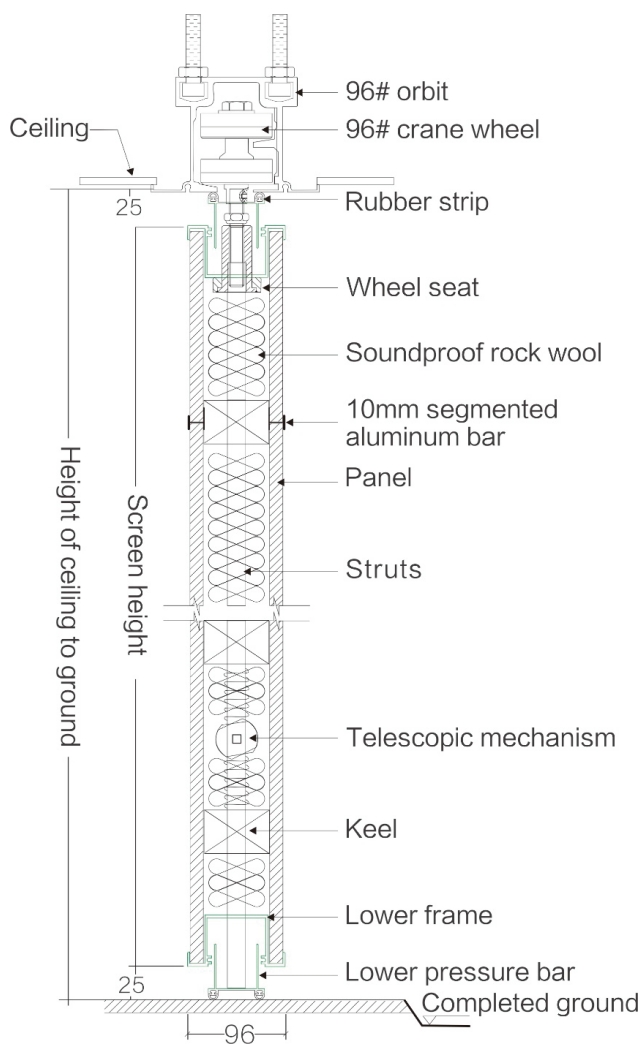
Model: ABC-MOP-96



Type 96 double level aluminum rail



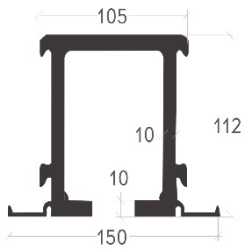
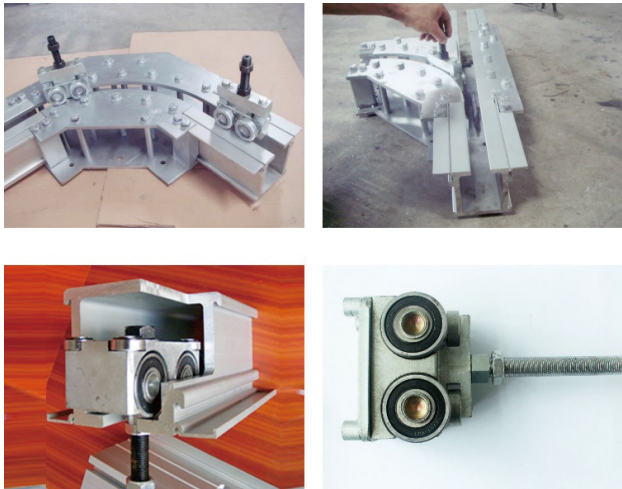
Type 96 suspension wheel



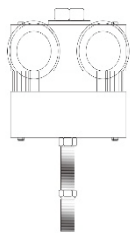
Height	Thickness	Width	Panel material	Sound insulation coefficient (DB)	Expansion range (mm)	Diaphragm weight (kg/m ²)
9000	96	750~1220	Glassy magnesium plate	52	280	38
9000	96	750~1220	MDF	52	280	33
9000	96	750~1220	Color steel plates	52	280	40
9000	96	750~1220	Melamine board	52	280	35
9000	96	750~1220	Plasterboard	52	280	35

TYPE 105 SYSTEM

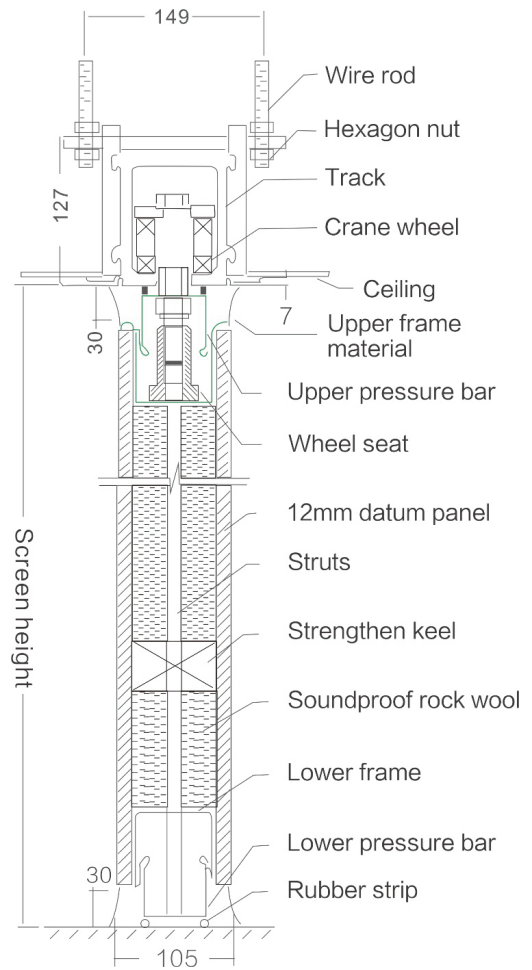
Model: ABC-MOP-105



Vehicle aluminum rail



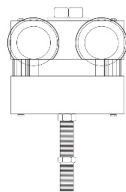
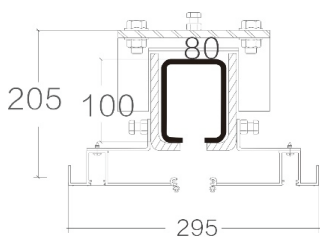
Aluminum rail lifting wheel



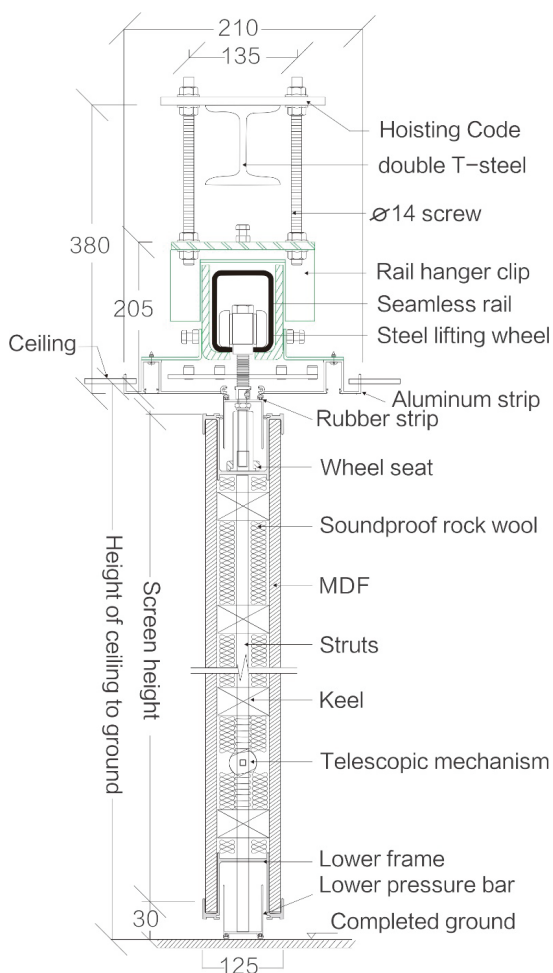
Height	Thickness	Width	Panel material	Sound insulation coefficient (DB)	Expansion range (mm)	Diaphragm weight (kg/m ²)
13000	105	750~1220	Glassy magnesium plate	62	280	42
13000	105	750~1220	MDF	62	280	38
13000	105	750~1220	Color steel plates	62	280	45
13000	105	750~1220	Melamine board	62	280	40
13000	105	750~1220	Plasterboard	62	280	40

TYPE 125 SYSTEM

Model: ABC-MOP-125



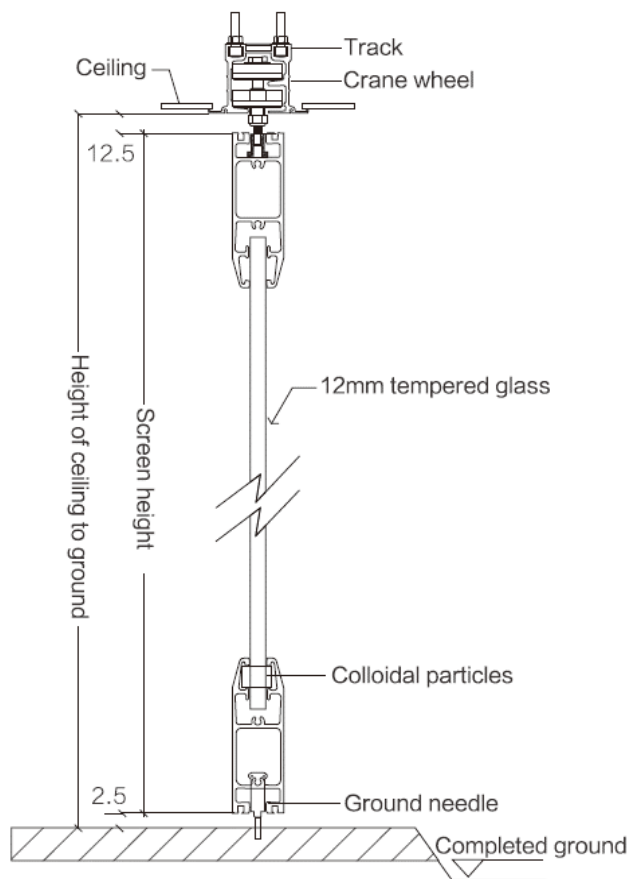
Seamless rail system Steel lifting wheel



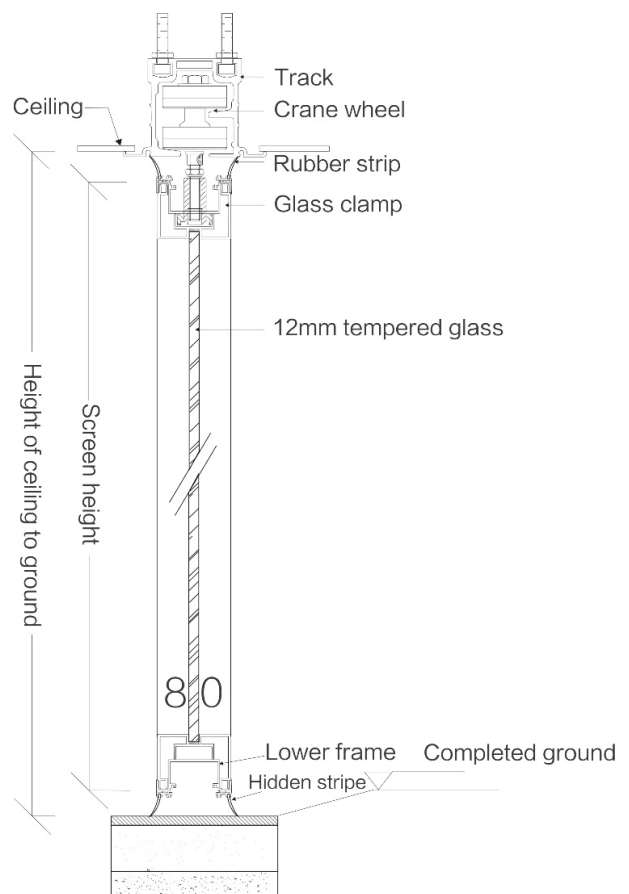
Height	Thickness	Width	Panel material	Sound insulation coefficient (DB)	Expansion range (mm)	Diaphragm weight (kg/m ²)
18000	125	750~1220	Glassy magnesium plate	62	320	48
18000	125	750~1220	MDF	62	320	43
18000	125	750~1220	Color steel plates	62	320	50
18000	125	750~1220	Melamine board	62	320	45
18000	125	750~1220	Plasterboard	62	320	45

Active Partition System

GLASS TYPE

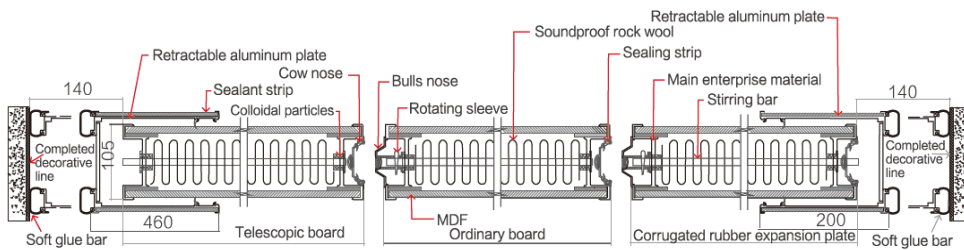
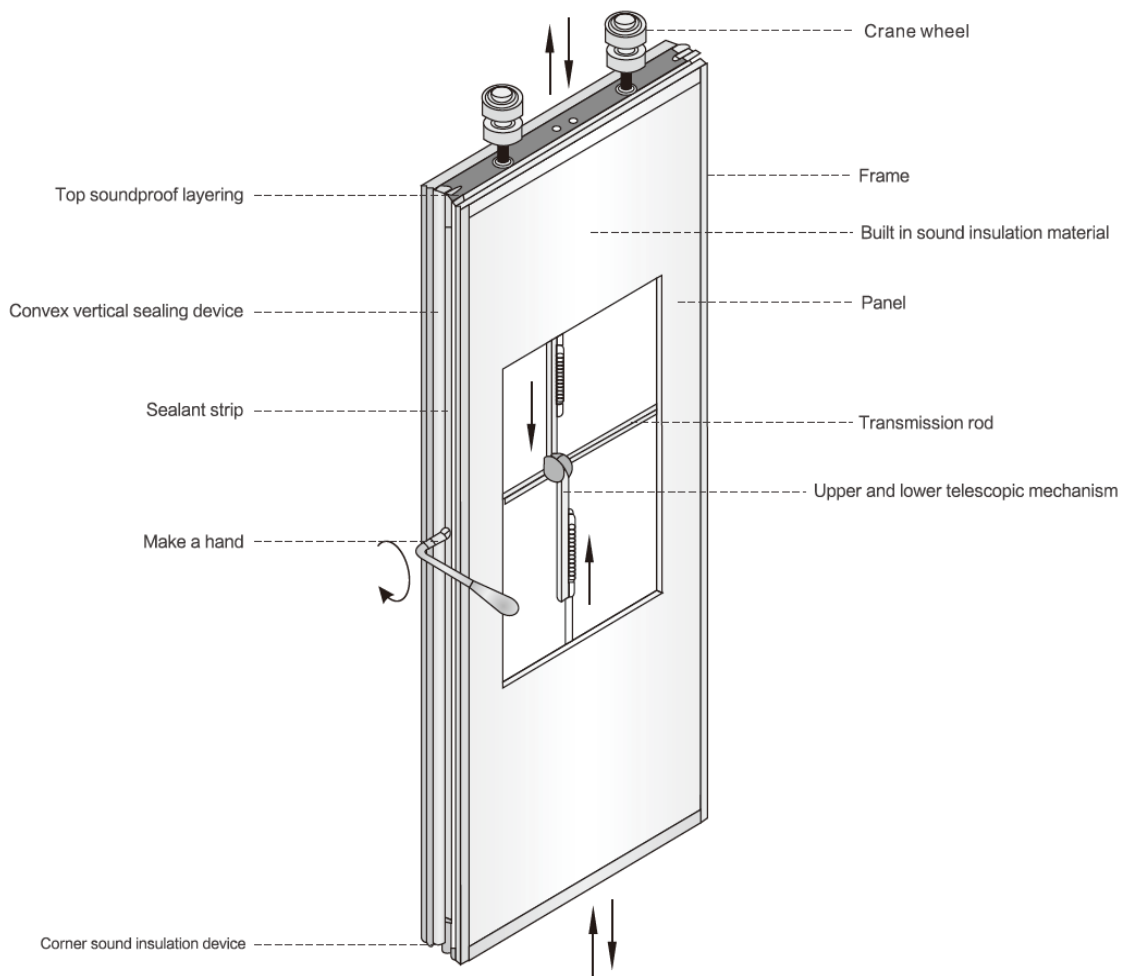


Frameless System



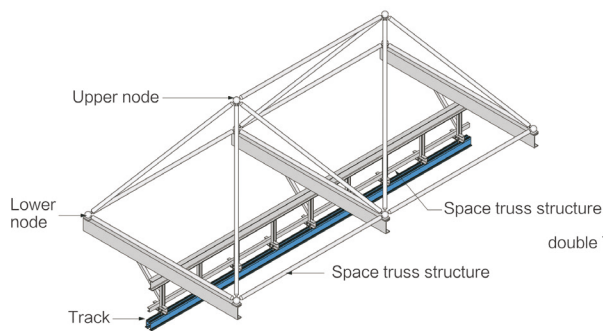
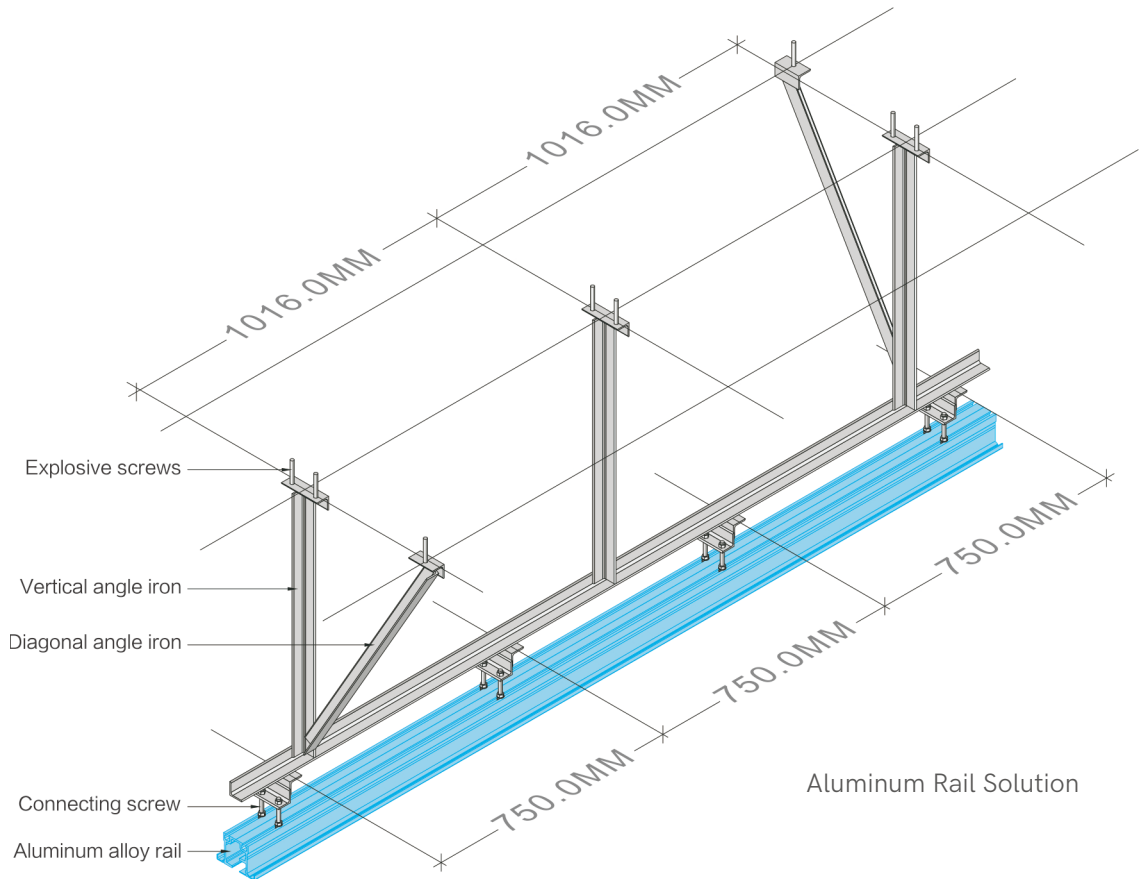
Framed System

PANEL STRUCTURE (MANUAL TYPE)

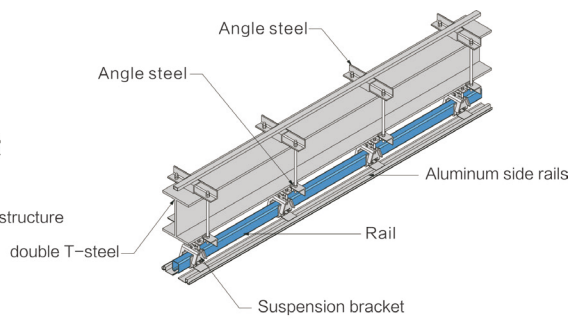


Horizontal Section Structure

ORBITAL SYSTEM



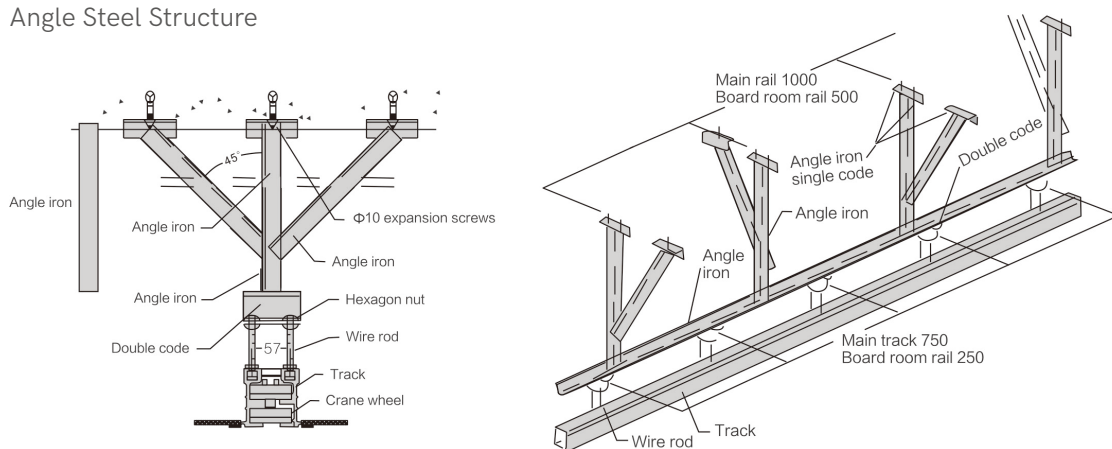
Space Truss Solution



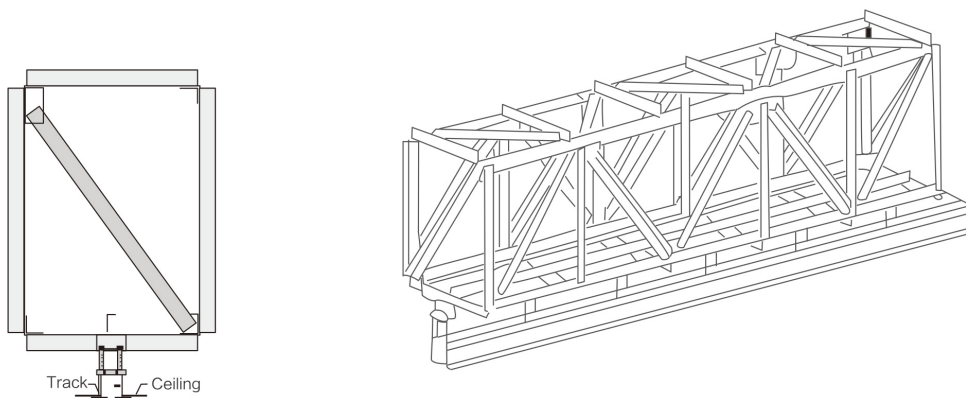
Steel Rail Solution

ORBITAL SYSTEM

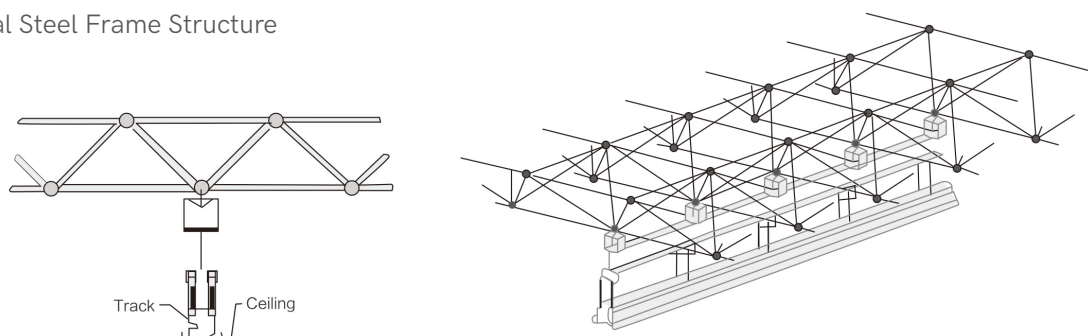
Angle Steel Structure



Truss Steel Structure

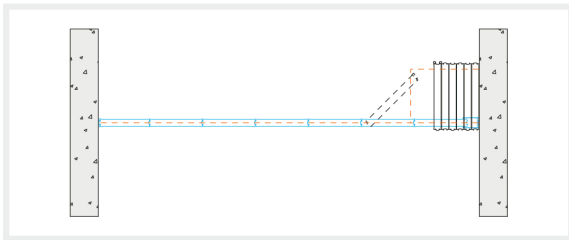


Special Steel Frame Structure



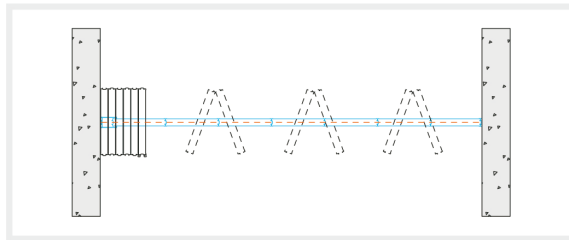
OPERATION TYPE

Multi Directional Partition



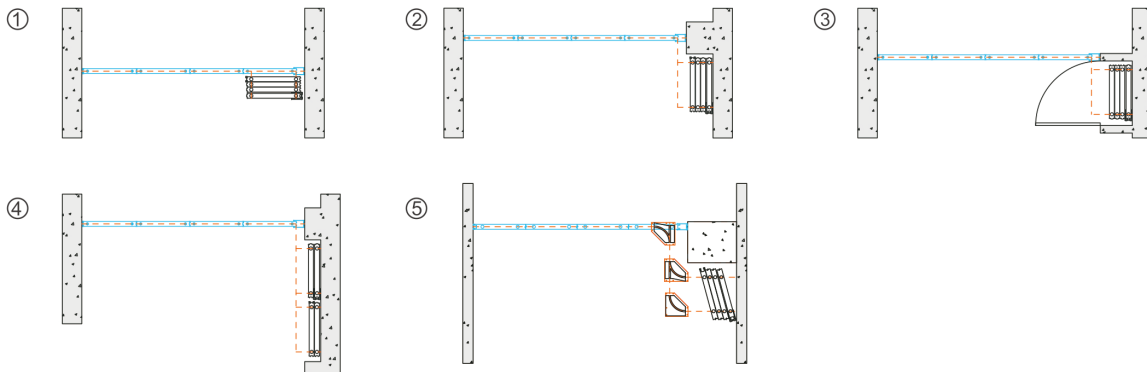
The multi-directional partition reflects the flexibility of space use to the greatest extent. Each partition can easily and quickly turn, set different positions at different angles, or move to distant boards, thus creating a variety of layout design between the boards.

Monomial Partition



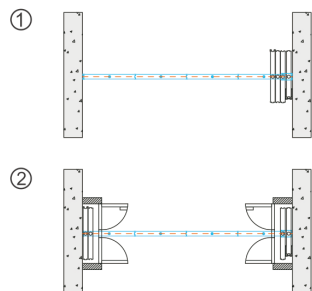
When there is no need to hide between the boards, a single-wheel central suspension can be used to hinged two or three pieces into a group of single partitions, compared with the multi-way partition is a quick and easy to set up the ideal space solution. The optional hinges can accommodate corners or other decorative surfaces. The sound insulation coefficient is the same as that of the multidirectional partition.

Layout Design Between the Panel (Only Part)

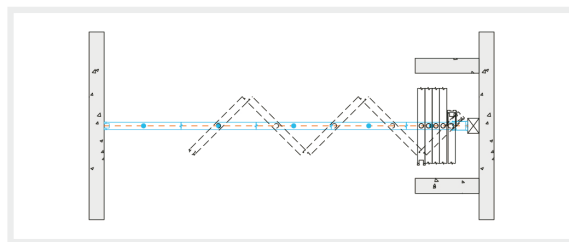


* Only applicable to vehicle tracks


Layout Design Between the Panel



Series Partition



A series of movable partitions are connected by hinges and moved directly. The advantages of electric control are convenient and quick setting.

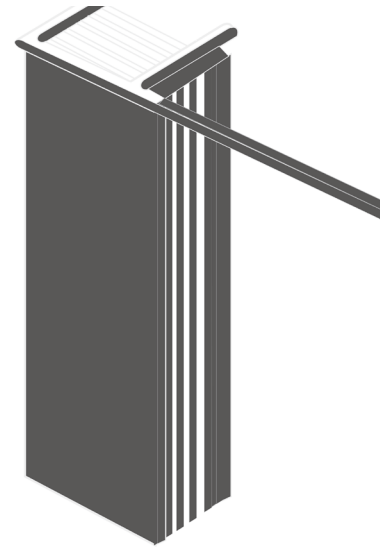


Automated
Folding Partition

Automated Partition System

PRODUCT FEATURE

Automated folding partition system includes all manual system components. The following components are specially designed to provide the electrical control function. The open mode is for issue the auto move command for the partition from the storage area to fulfil the specified dividing arrangement. The parking mode is for retracting the partitions to the storage position.



Models:

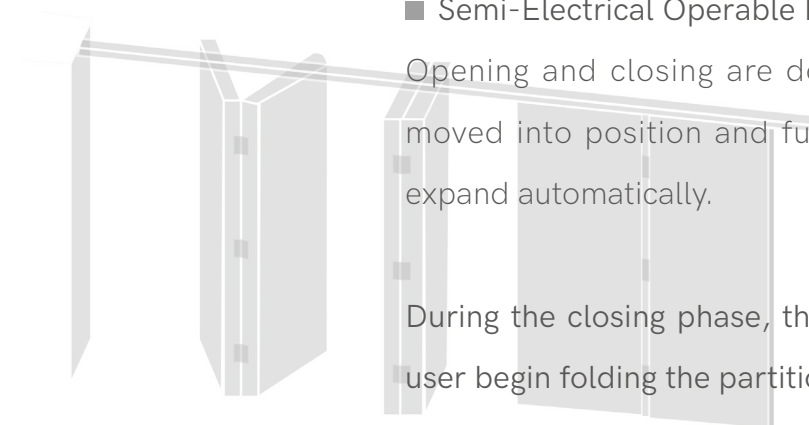
■ Electrical Operable Partition - ABC-EOP

A fully automated system that opening and closing are done by a push of button, top and bottom seal expand/retract once panels are in position.

■ Semi-Electrical Operable Partition - ABC-SEOP

Opening and closing are done manually. Once the panels are moved into position and fully expanded, top and bottom seal expand automatically.

During the closing phase, the top and bottom seals retract once user begin folding the partition panels.



CONTROL SYSTEM

Systemised control on each door panel for automated action, with signal receiver installed on all panel to achieve positioning of each partition.

MOTOR SYSTEM

- Motorised opening and closing of partition action.
- Motorised expanding and retracting of sound proofing seals on all edges.
- Operation speed: 100 ~ 250mm/s

SECURITY SYSTEM

Monitoring triggers can be added to system edges to achieve anti-collision. For example, when one moving panel is blocked during movement, the system's emergency break will be activated to stop all following panels' motion until obstacle is cleared.

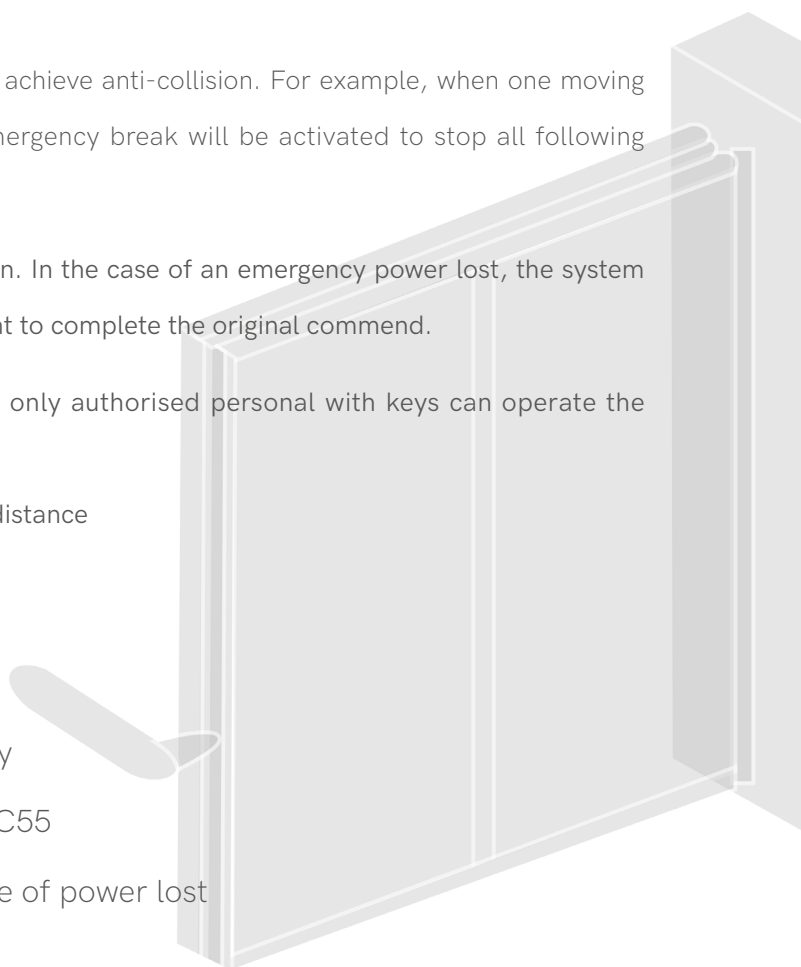
The system is also equipped with power-off protection. In the case of an emergency power lost, the system memorises the last position and continue its movement to complete the original command.

Key switch function is available for client to ensure only authorised personal with keys can operate the partition system.

Remote control is also available for operation from a distance

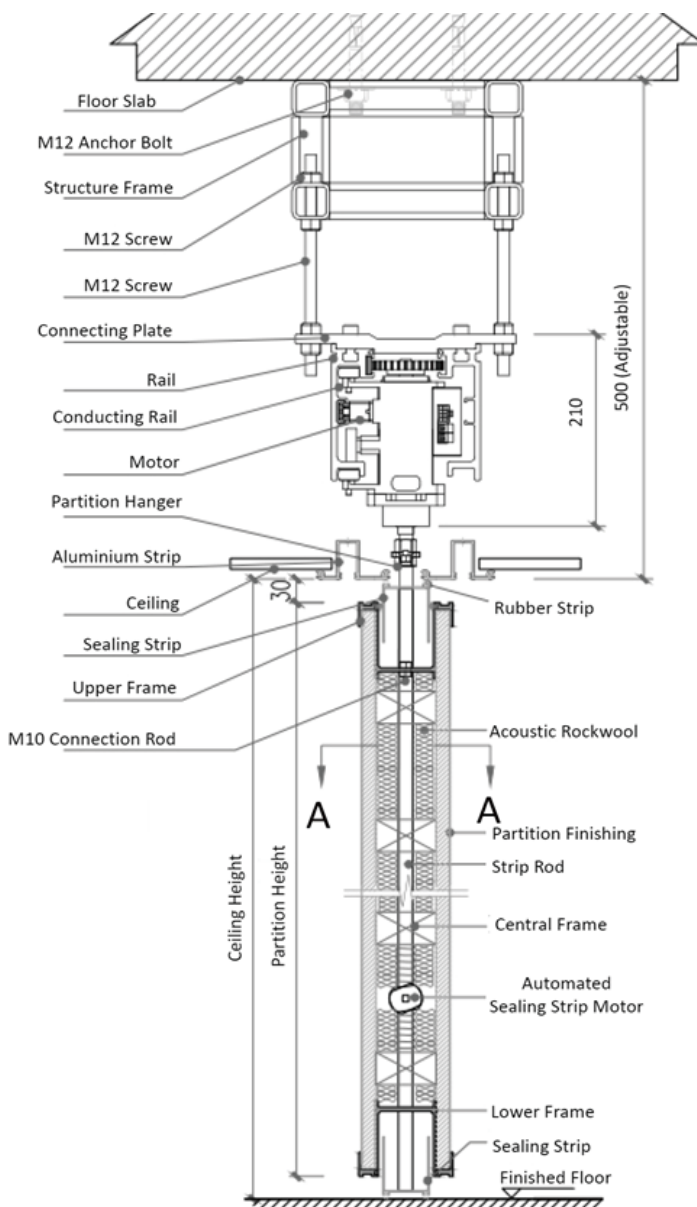
SYSTEM FEATURE

- High strength 6063-T6 Aluminum rail
- High quality motor with German technology
- Excellent sound proofing performance, STC55
- Emergency manual control available in case of power lost



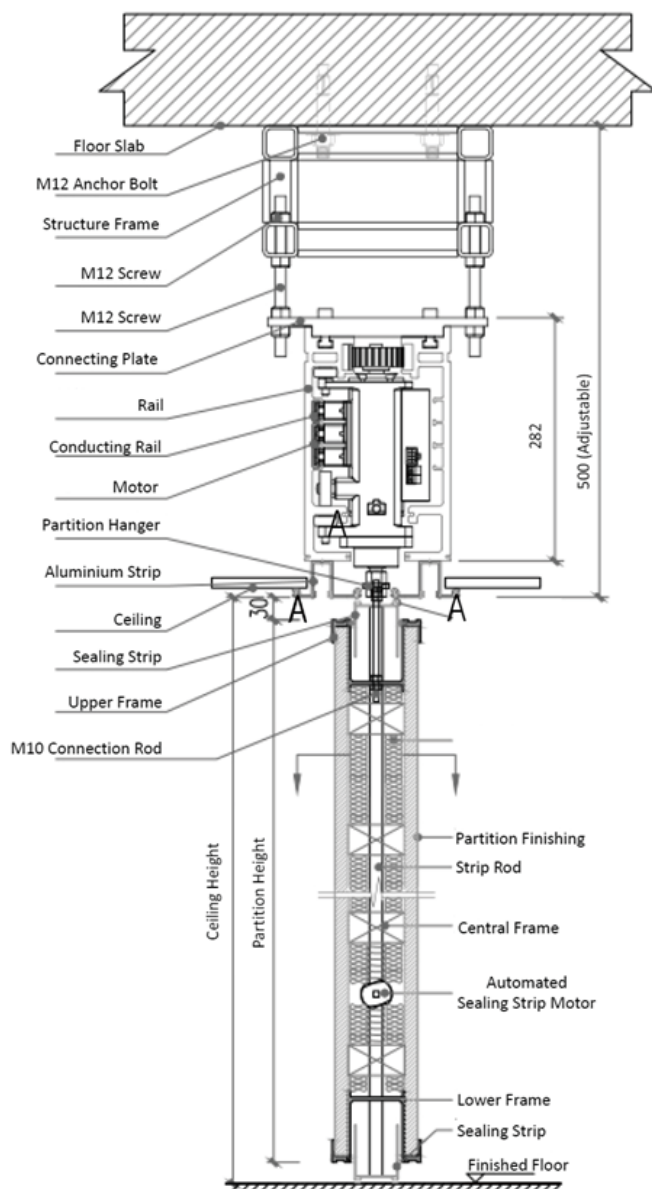
Automated Partition System

LIGHT DUTY SYSTEM



TECHNICAL SPEC	
Partition Weight	50KG/m ²
Partition Width	DW=600mm~1500mm
Voltage	AC150V~250V
Motor Power	50W
Operating Speed	100~250mm/s
Manual Operating Force	<200N
Rail Loading	200kg/m
Maximum Height	HW=5000mm
Frequency	50~60Hz
Opening F	200N<F<400N
Sound isolation	≤45dB
Operation Temperature	-20°C~+60°C

HEAVY DUTY SYSTEM



TECHNICAL SPEC	
Partition Weight	50KG/m ²
Partition Width	DW=600mm~1500mm
Voltage	AC150V~250V
Motor Power	100W
Operating Speed	100~250mm/s
Manual Operating Force	<350N
Rail Loading	750kg/m
Maximum Height	HW=12000mm
Frequency	50~60Hz
Opening F	200N<F<400N
Sound isolation	≤50dB
Operation Temperature	-20°C~+60°C



SEE MORE

Contract Detail

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