

MAGIC CUBE

ACOUSTIC MATERIALS

www.mq-acoustics.com

广州魔方声学材料有限公司
GUANGZHOU MQ ACOUSTIC MATERIALS CO., LTD

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OPERABLE PARTITION WALL



Removable barrier wall

Semi-automatic glass wall

Semi-automatic separation wall

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About us

MAGIC CUBE, a China-based corporation, is the global market leader in flexible space management, with an internationally acclaimed heritage of over 10 years. We pride ourselves in our ability to maintain the highest possible standards of differentiated services, including total solutions from design, manufacturing and project management to installation and product maintenance.

Our series operable partitions are the embodiment of innovation and aesthetics combined. Its welded, galvanized and heavy-duty steel frames provide flexible, versatile and space-saving solutions, together with newly designed acoustical features for industry leading durability and acoustic performance up to STC 55. MAGIC CUBE products can be customized for a number of specific and unique design requirements and applications. MAGIC CUBE's globally-proven multi-directional trolley systems create the easiest movement through turns and crosses to remote storage.



CERTIFICATION

MAGIC CUBE Acoustics has focused on the R&D, production and sales of various sound absorption and sound insulation products. Our products have passed CE, ISO9001 & SGS certificate. MAGIC CUBE has more than a dozen patented acoustic technology products, and more than 30 domestic and international test reports.



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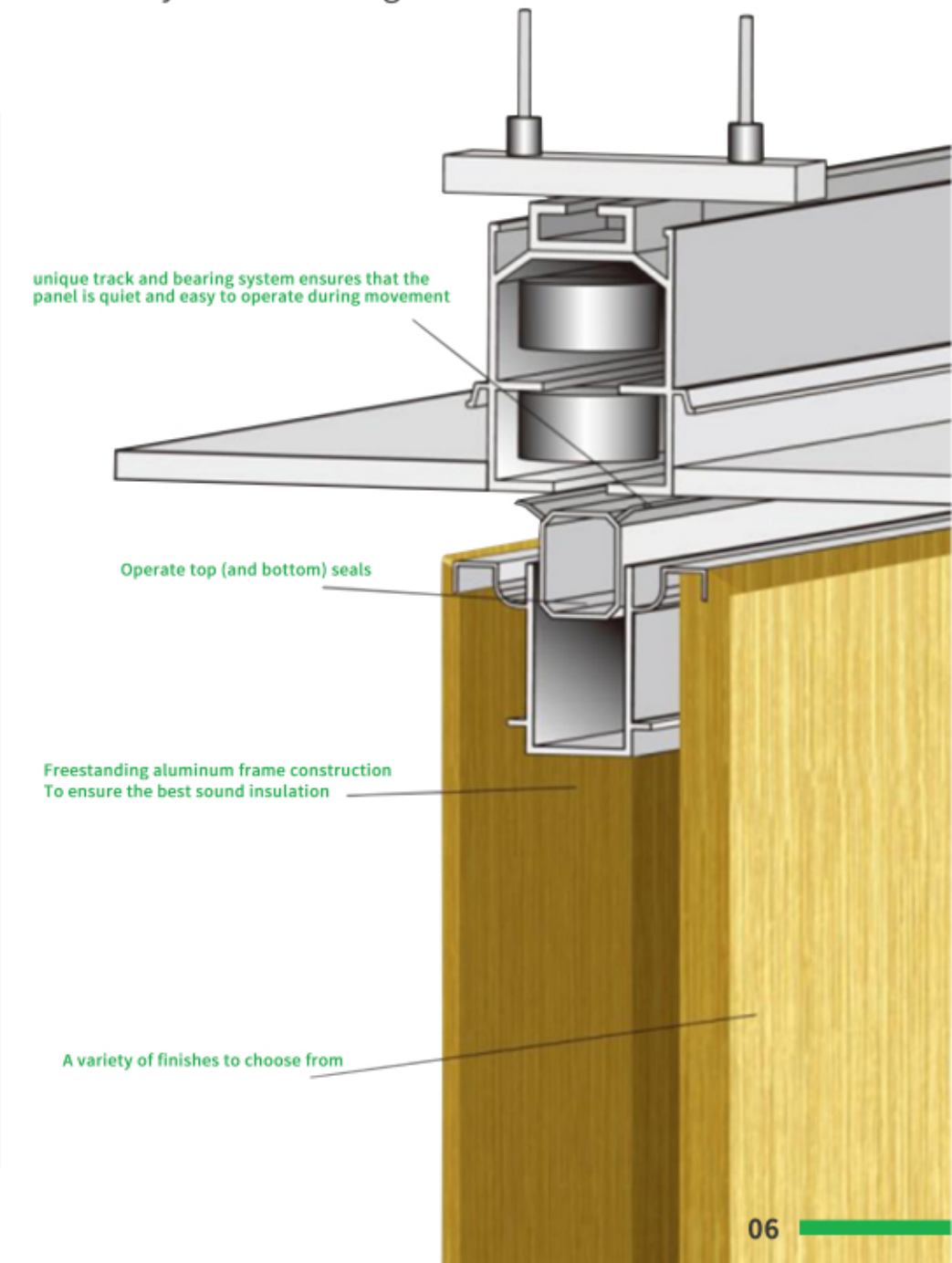
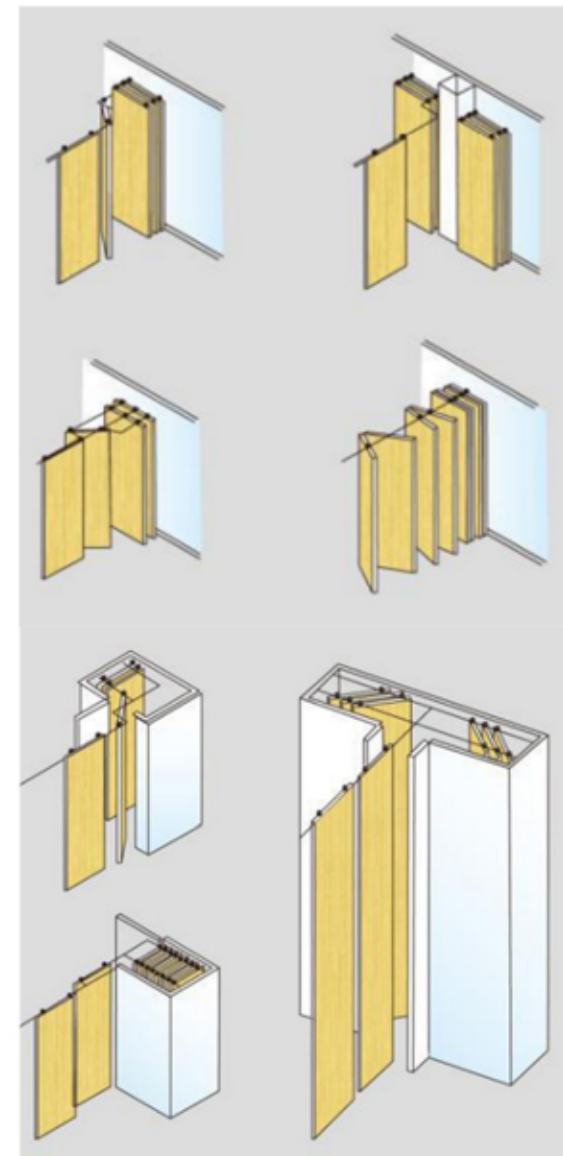
operable partition wall introduction



The movable wall series is an integrated panel system with tongue and groove. All panels are made of fine pressed vinyl. And can choose textile or other specified material finish as the outer packaging. Vertical and horizontal structures in products. Members are provided with seals made of extruded vinyl and constructed of extruded aluminum parts. A series of panels that extend directly from the floor to the ceiling with built-in rails, will provide you with a solid overall wall and excellent sound insulation effect, sound insulation grade of 35 to 58 decibels.

FEATURES AND ADVANTAGES

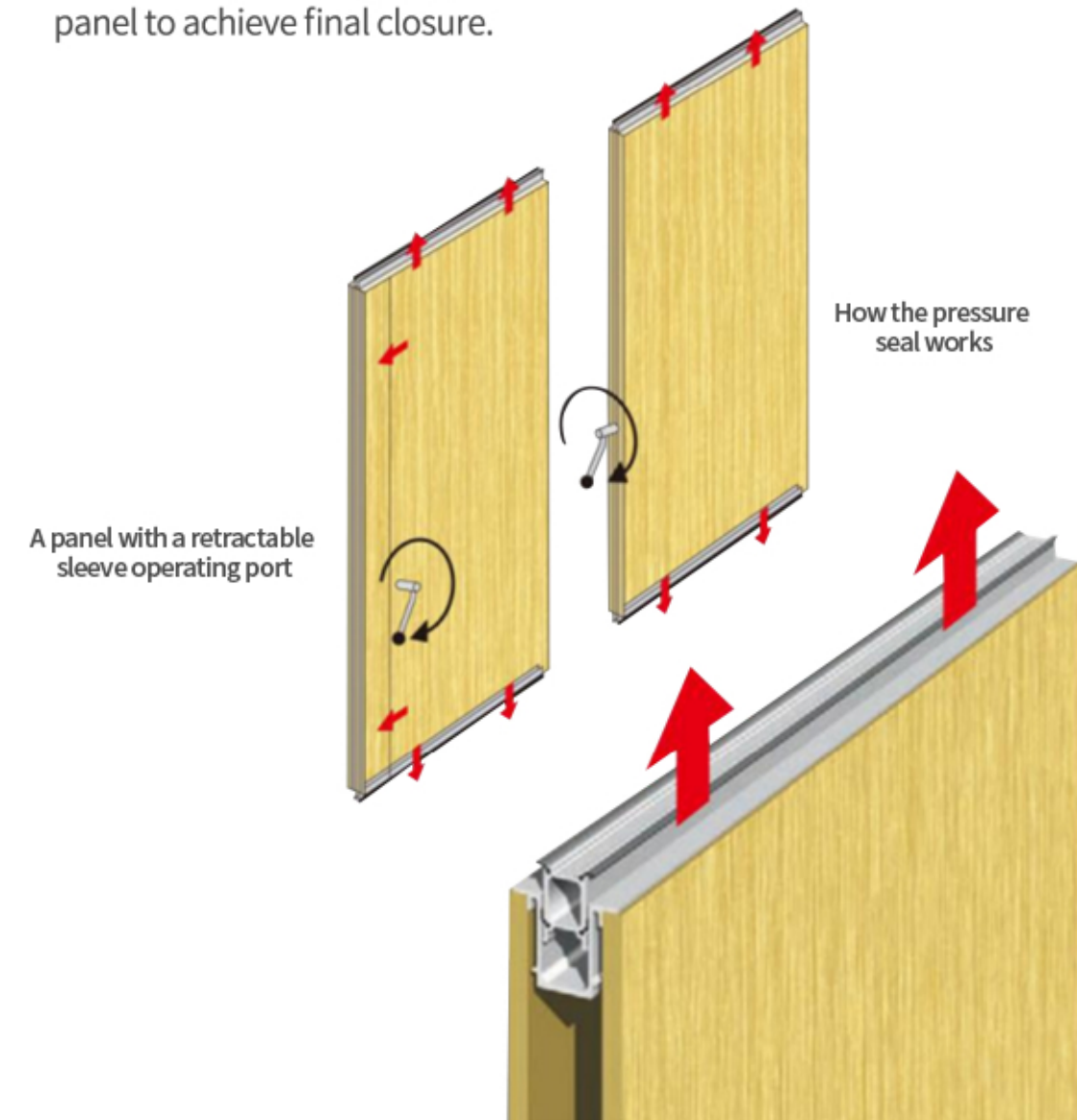
- Retractable top and bottom latches ensure that the panel can be easily moved at will
- Optional panel to use explicit or invisible edge profile
- Single easy to operate hinged panel
- Optional access door can be installed on the panel to allow access to adjacent rooms
- A variety of panel stacking schemes are available for flexible collocation
- Different levels of noise reduction materials can be selected to achieve the best sound insulation effect, the top and bottom of the vinyl seal. A wide range of finishes are available





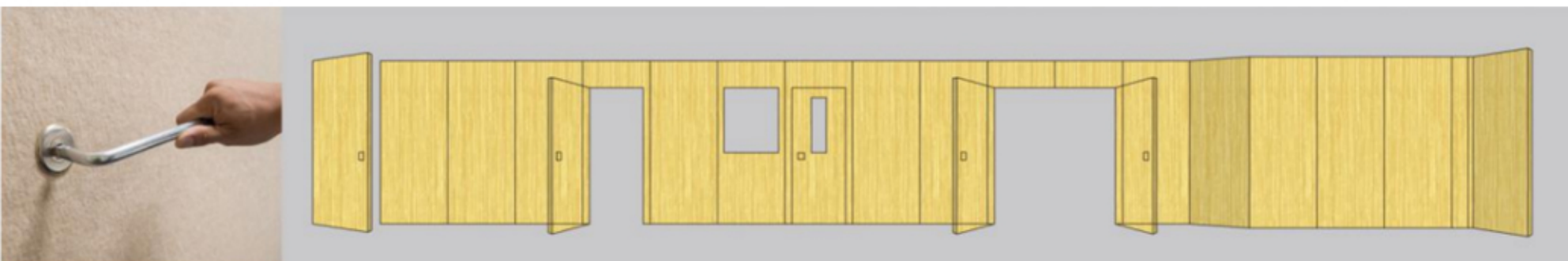
STEPS

When a panel is moving, there is a 20 "25mm gap between the top and bottom of the panel. Once the panel is in place, the seal will be stretched at the top and bottom simultaneously by shaking a detachable handle 180°, which can be found at the end of the panel to achieve final closure.

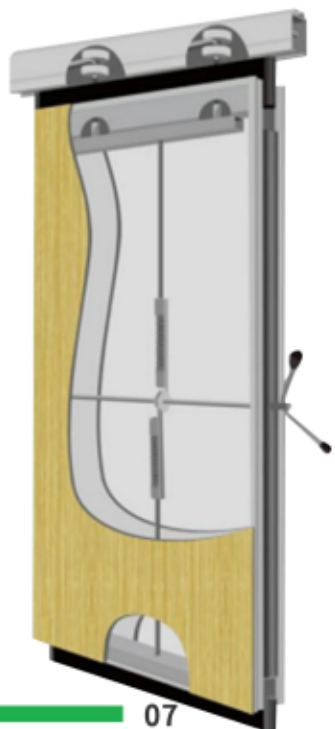


CUSTOMIZABLE SOLUTIONS

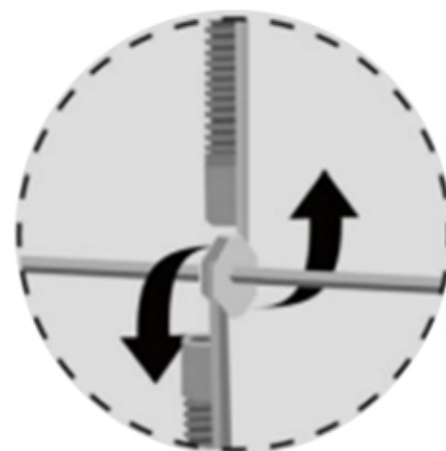
Of course, not every wall will always be straight, and we can customize any type of moving wall with different angles, built-in transparent materials or access door frames to suit your needs.



The legend is a panel design with additional functions



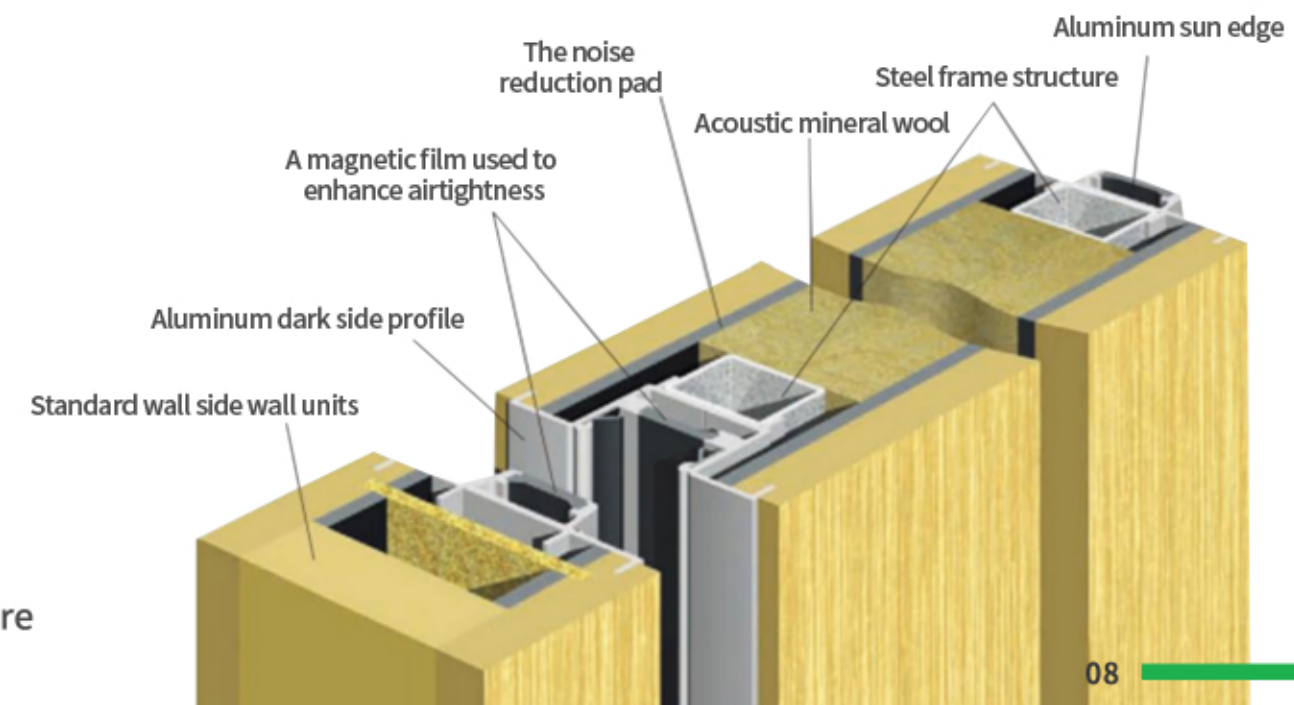
Top pressure seal



Rotating tie rod group



Steel frame support structure





MQ Type65

Track System: Single or double point.Track load 225KG. A high quality track system ensures that partitions will operate smoothly for years to come and assist in the quick set-up and storage of panels.

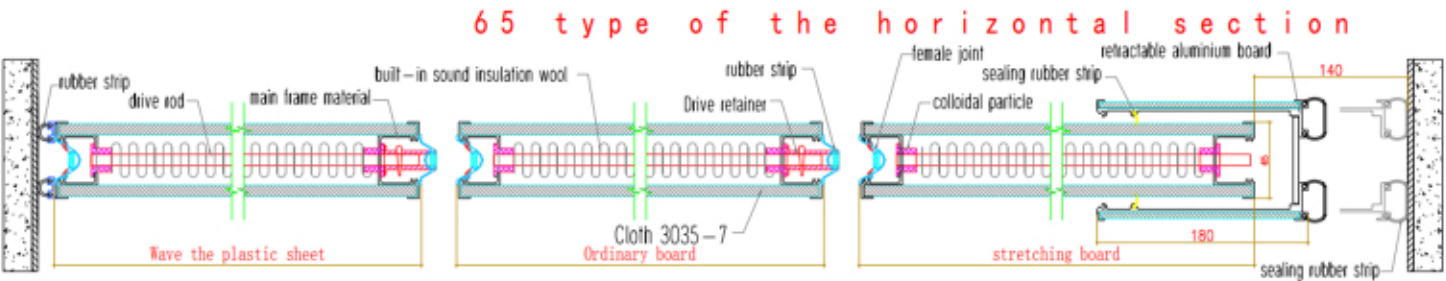
Panel height: Up to 3500mm,height greater than 3000mm refer to our technical dept.

Max height: 4000mm with heavy duty track

Panel width: 600mm-1200mm

Frame construction: Aluminum

Face Material: Acoustical faces are available on each side of the panel. They are made of either MDF, gypsum board or electro-galvanized steel plate assembled to provide appropriate acoustical performance that meet STC requirements.



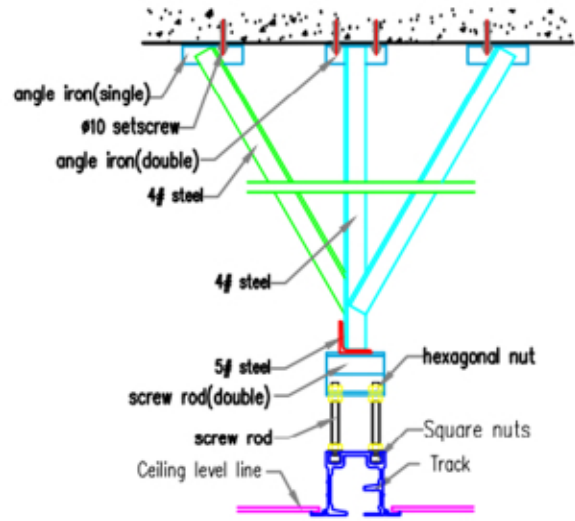
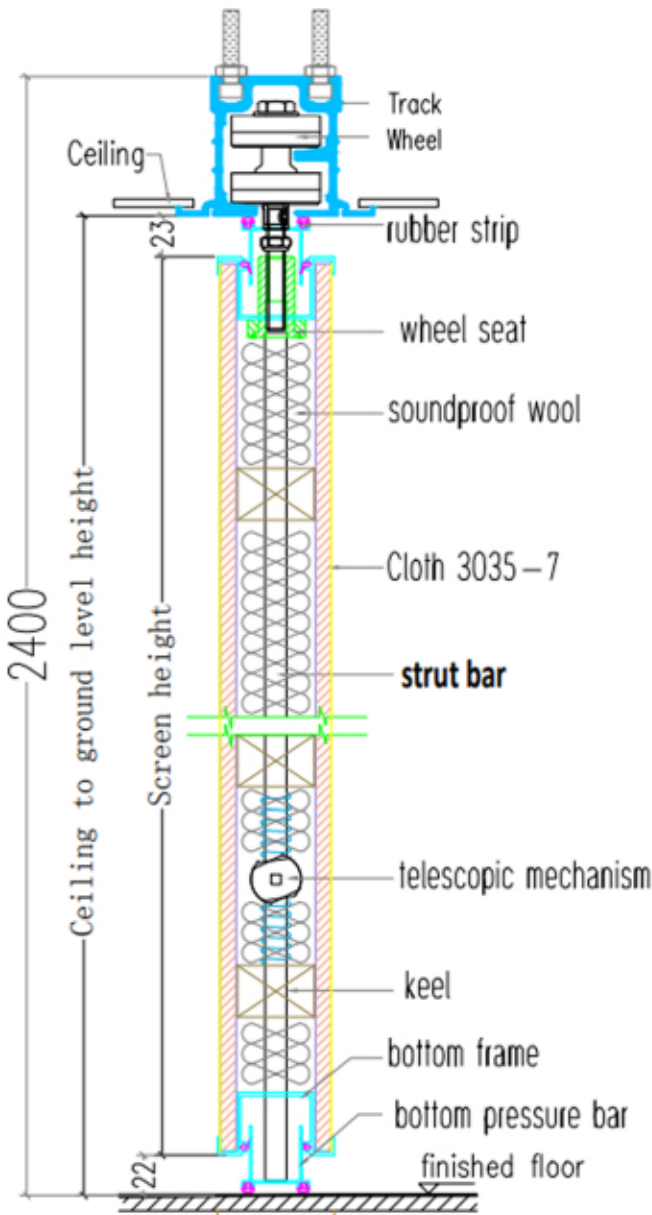
Vertical profiles: Aluminum,anodized with sealing profiles,painted-optional.

Seals: Top and bottom retractable seals not only stable the panels, but also exert at least 25kg upward and downward force when extended. It ensure panel-to-bottom alignment and prevent sound leaks.

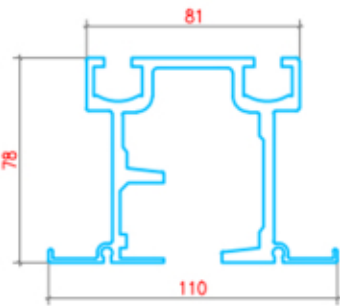
Passdoor: Single open in panel or double open in two panel.Automatic bottom seals with downward force to stabilize door in opening and prevent sound leaks.The door is with Positive latching door hardware.

Soundproof: 38dB,40dB Rw

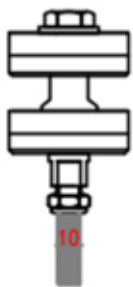
Weight: Approx 33-40kg/sq M



partitions wall structure



Track



Wheel



MQ Type80

Track System: Single or double point.Track load450KG. A high quality track system ensures that partitions will operate smoothly for years to come and assist in the quick set-up and storage of panels.

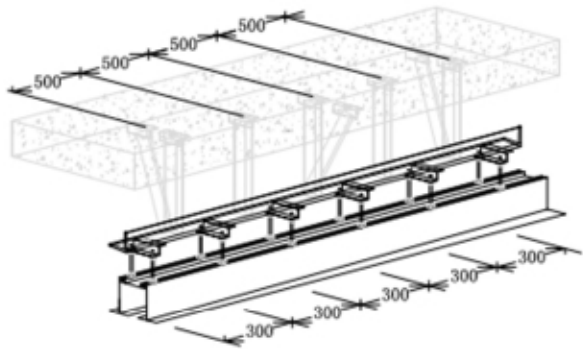
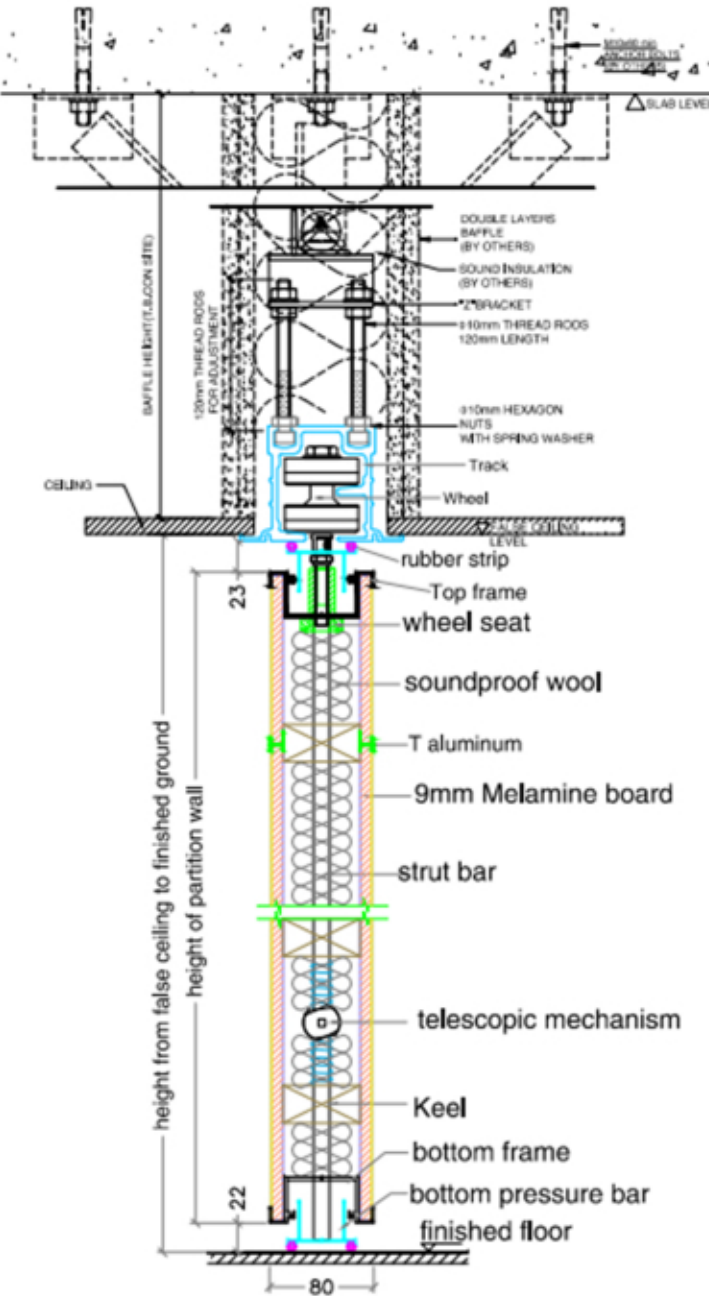
- Panel height:** Up to 4500mm,height greater than 3500mm refer to our technical dept.
- Max height:** 4500mm with heavy duty track
- Panel width:** 600mm-1200mm
- Frame construction:** Aluminum

Face Material: Acoustical faces are available on each side of the panel. They are made of either MDF, gypsum board or electro-galvanized steel plate assembled to provide appropriate acoustical performance that meet STC requirements.

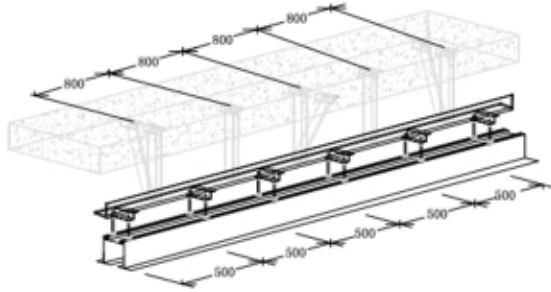


Vertical profiles: Aluminum,anodized with sealing profiles,painted-optional

Seals: Top and bottom retractable seals not only stable the panels, but also exert at least 25kg upward and downward force when extended. It ensure panel -to-bottom alignment and prevent sound leaks.



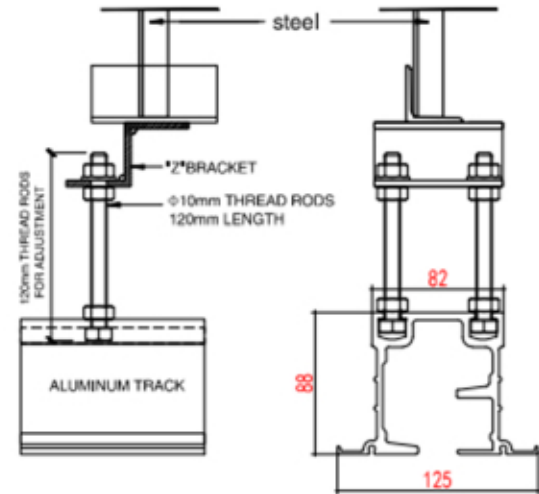
STACKING AREA TYPICAL HANGER SUPPORT ARRANGEMENT FOR REFERENCE ONLY



OPERATING AREA TYPICAL HANGER SUPPORT ARRANGEMENT FOR REFERENCE ONLY

Passdoor: Single open in panel or double open in two panel.Automatic bottom seals with downward force to stabilize door in opening and prevent sound leaks.The door is with Positive latching door hardware

Soundproof: 40dB,45dB Rw
Weight: Approx 40-45kg/sq M





MQ Type88C

Track System: Single or double point.Track load450KG. A high quality track system ensures that partitions will operate smoothly for years to come and assist in the quick set-up and storage of panels.

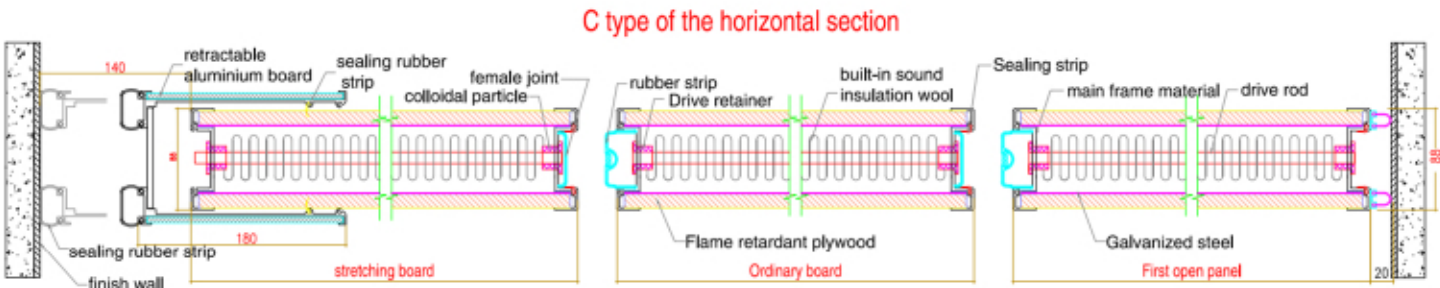
Panel height: Up to 5000mm,height greater than 4500mm refer to our technical dept.

Max height: 5000mm with heavy duty track

Panel width: 600mm-1200mm

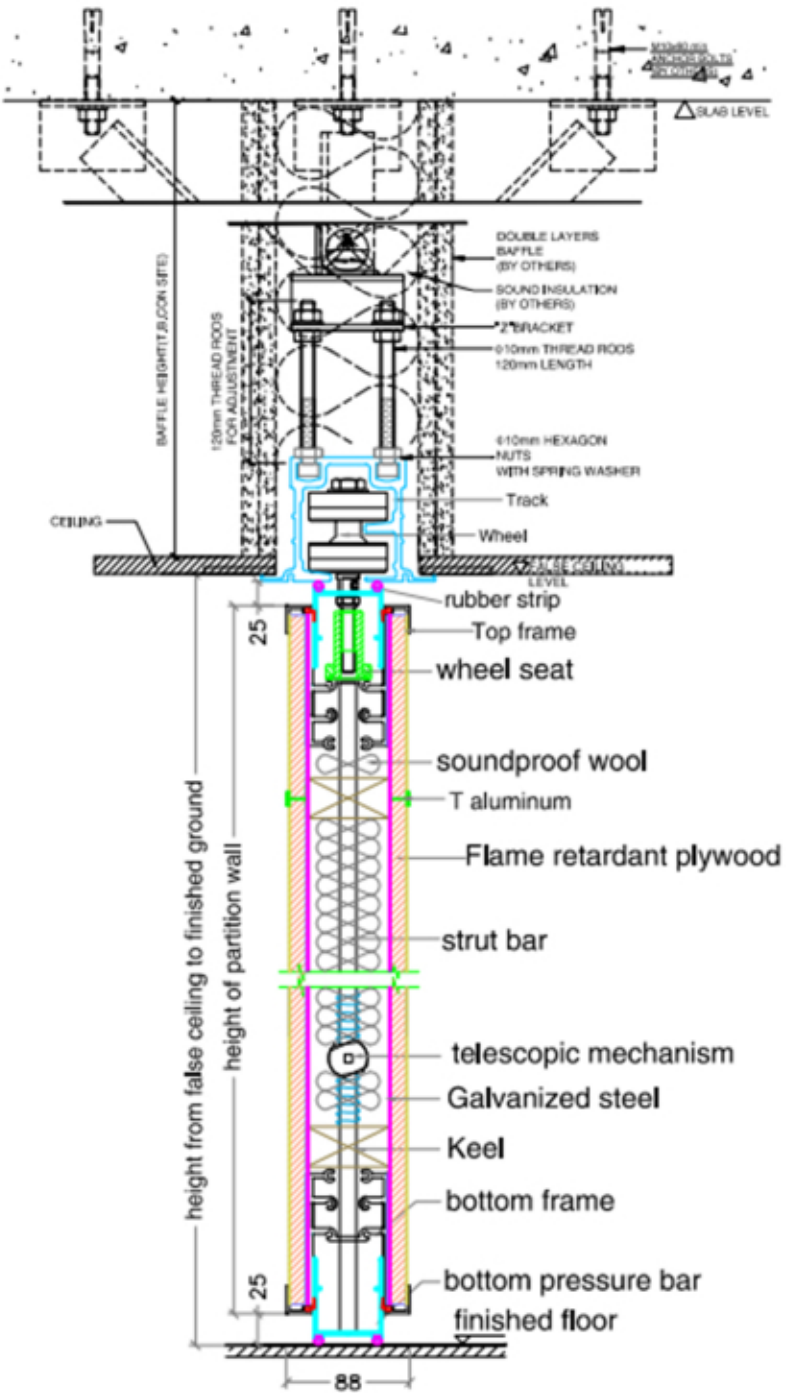
Frame construction: The frame is made of heavy-duty galvanized steel. It provides the frame with high rigidity & durability.

Face Material: Acoustical faces are available on each side of the panel. They are made of either MDF, gypsum board or electro-galvanized steel plate assembled to provide appropriate acoustical performance that meet STC requirements.



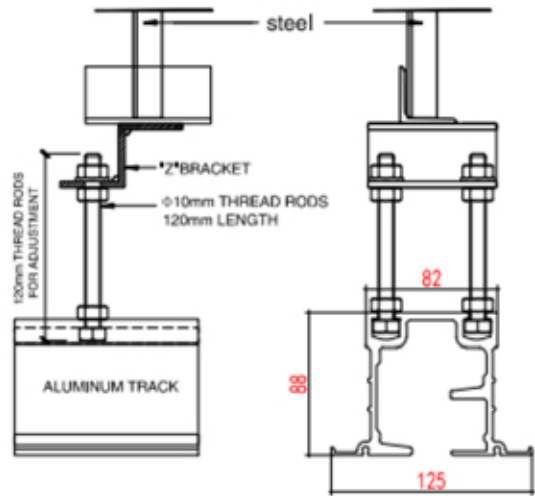
Vertical profiles: Aluminum,anodized with sealing profiles,painted-optional

Seals: Top and bottom retractable seals not only stable the panels, but also exert at least 25kg upward and downward force when extended. It ensure panel-to-bottom alignment and prevent sound leaks.



Passdoor: Single open in panel or double open in two panel.Automatic bottom seals with downward force to stabilize door in opening and prevent sound leaks.The door is with Positive latching door hardware

Soundproof: 47dB,50dB,53dB Rw
Weight: Approx 43-50kg/sq M





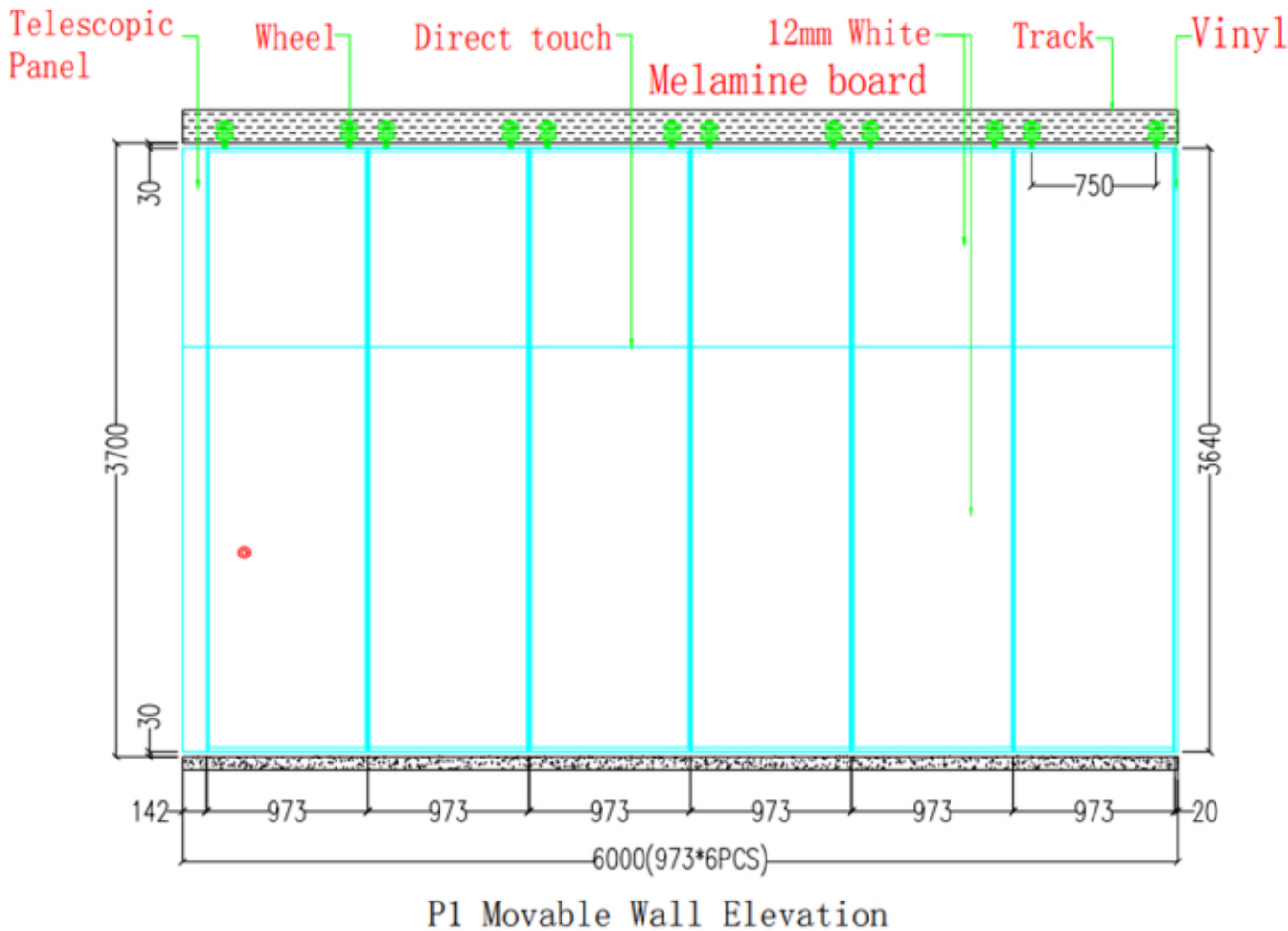
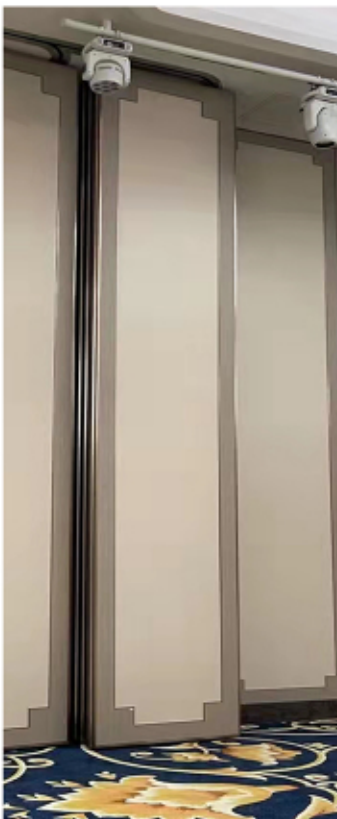
Passdoor: Single open in panel or double open in two panel. Automatic bottom seals with downward force to stabilize door in opening and prevent sound leaks. The door is with Positive latching door hardware

Soundproof: 50dB,53dB,55dB Rw **Weight:** Approx 50-65kg/sq M

MQ Type100

Vertical profiles: Aluminum, anodized with sealing profiles, painted - optional

Seals: Vertical sound seals are of "tongue and groove" configuration to ensure panel-to-panel alignment and prevent sound leaks between panels. Top and bottom retractable seals not only stable the panels, but also exert at least 25kg upward and downward force when extended. It ensure panel-to-bottom alignment and prevent sound leaks.





MQ Type100W

Track System: Single or double point.Track load675KG. A high quality track system ensures that partitions will operate smoothly for years to come and assist in the quick set-up and storage of panels.

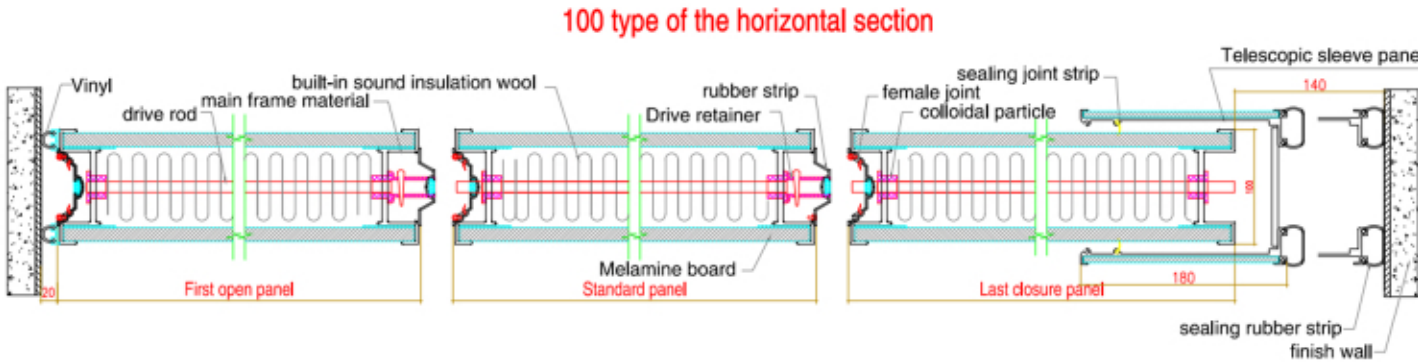
Panel height: Up to 10000mm,height greater than 5000mm refer to our technical dept.

Max height: 10000mm with heavy duty track

Panel width: 600mm-1200mm

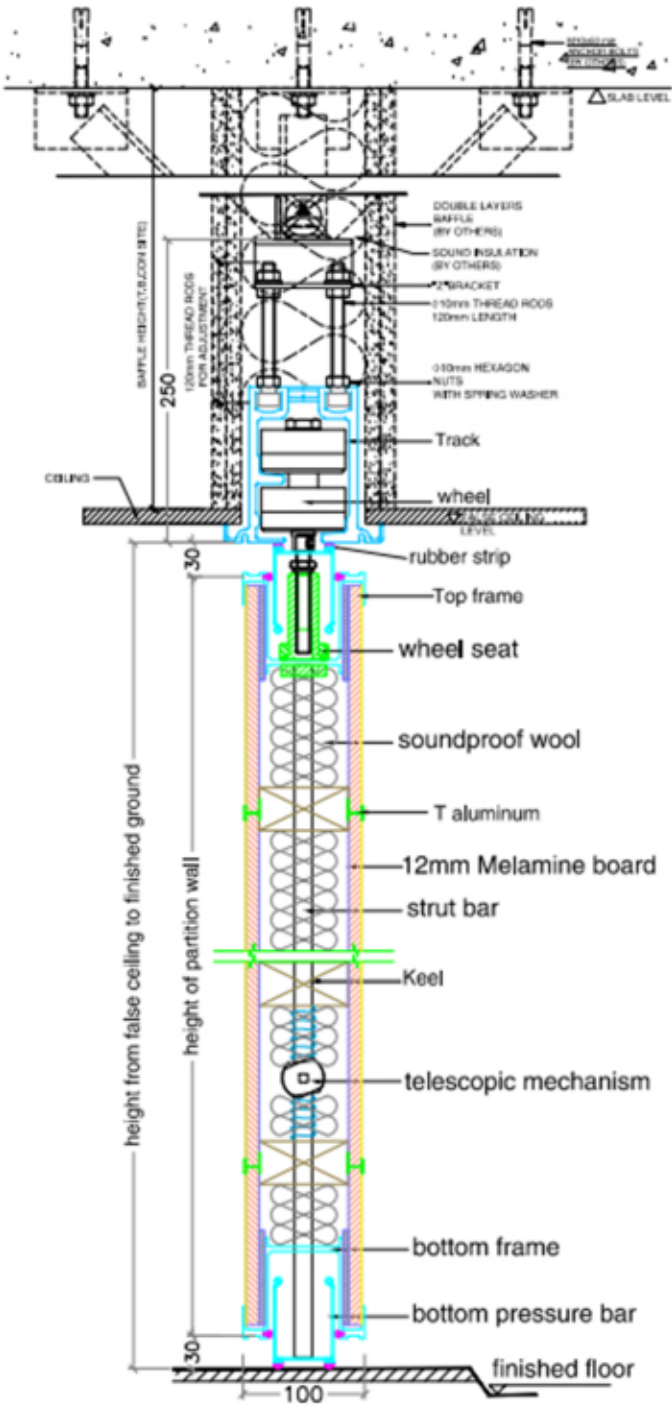
Frame construction: The frame is made of heavy-duty galvanized steel. It provides the frame with high rigidity & durability.

Face Material: Acoustical faces are available on each side of the panel. They are made of either MDF, gypsum board or electro-galvanized steel plate assembled to provide appropriate acoustical performance that meet STC requirements.



Vertical profiles: Aluminum,anodized with sealing profiles,painted-optional

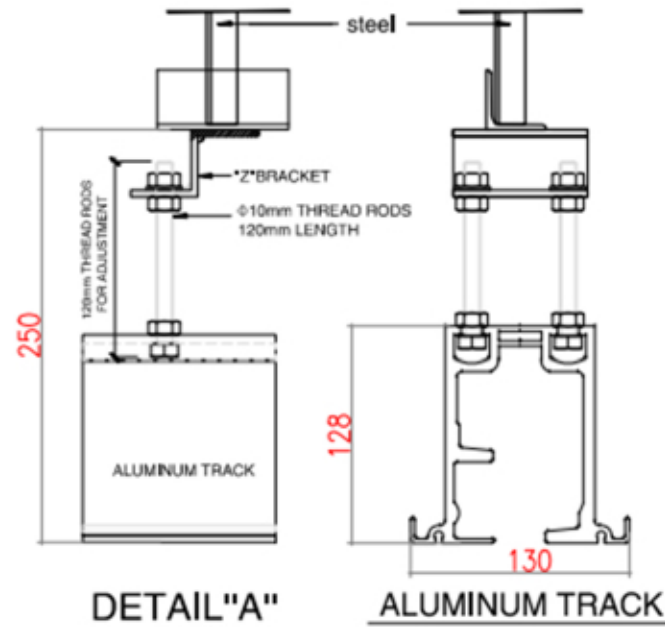
Seals: Top and bottom retractable seals not only stable the panels, but also exert at least 25kg upward and downward force when extended. It ensure panel-to-bottom alignment and prevent sound leaks.



Passdoor: Single open in panel or double open in two panel.Automatic bottom seals with down ward force to stabilize door in opening and prevent sound leaks.The dooris with Positive latching door hardware

Soundproof: 47dB,50dB,53dB Rw

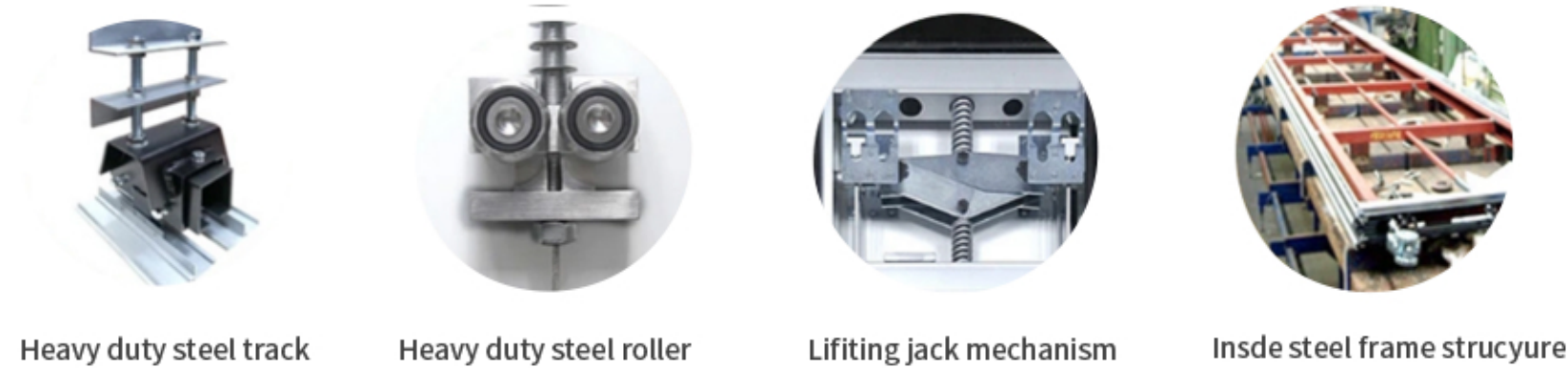
Weight: Approx 50-65kg/sq M



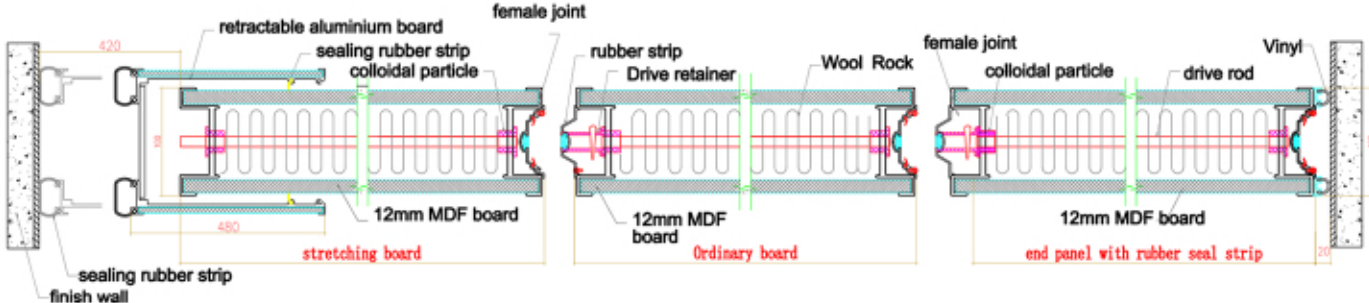


MQ ultra high movable partition

Ultra-high Movable Partition is designed for movable partition as high as 6 to 17 m with max soundproof rate 50 dB. Ultra-high type partition is top hung system, hanging wheel sliding in the track smoothly and stability without vibration, the 17 meters high partition can easily moved even being pushed at waist-high. With build-in oriental device, the panel can make a turn automatically as sliding in the straight rail.



Heavy duty steel track Heavy duty steel roller Lifiting jack mechanism Inside steel frame strucyure



FEATURES

- Load bearing of each meter is more than 2000 KGS
- Each pulley bearing more than 1500 KGS
- Easily moved even being pushed at waist-high
- The panel can make a turn automatically as sliding in the straight rail

