

glassSTACKWALL > Motion



Specifications

glassSTACKWALL > MOTION (STAK-MT)

glassSTACKWALL>Motion is an innovative system maximizes transparency while maximizing sound isolation (Rw from 38dB to 51dB - 46dB and 53dB glazing) and improves operating speed with the automation of the locking and drop-seal mechanisms activated when the panels are pushed next to each other. The system features a flush surface design available in both structurally-glazed double and opaque wall options that give the panels a modern, minimal design that can be endlessly designed and customized. The components are made from aluminum frames and two tempered glass sheets or two MDF panels (for non-glazed elements). Available glass finishes include CARVART's Pure, a full range of translucencies, back-painted and a wide range of RAL colors or in MDF panels

VALUE-ADDED BENEFITS

- Semi-automatic hardware increases speed of operation and precision of seals
- Wide-range of acoustic and privacy options, seam details and panel connections
- Minimal look with thin, aluminum profiles
- Optional pre-engineered top structure support solution for taller spaces above finish ceiling
- System durability and long-term integrity
- Turnkey integrated project services

APPLICATIONS —

Space division between offices, conference rooms or flex-spaces.

CONFIGURATIONS —

Stacking Glass or MDF + HPL panels, Straight runs, corner applications and fixed panels for wide openings.

GLASS TYPES —

Tempered monolithic, Laminated, Pure, Back-painted (any RAL color)

SURFACES —

Smooth glass.

GLASS THICKNESS —

Accommodates 5/16", 3/8" and 1/2" nominal.

MDF + HPL FINISHES —

- HPL Colors
- HPL Wood Finishes
- HPL Colored Textures
- HPL Metallic
- HPL Textures/Patterns/Fabrics

HARDWARE DIMENSIONS —

Glass Panel Thicknesses: 3-13/16", 4", 4-1/4"

HPL Panel Thickness: 4"

Structurally Glazed Painted Border:

Vertical/Sides: 1-3/8"

Top/Bottom: 6-7/8"

HARDWARE MATERIALS/FINISHES —

Refer to Finish Chart for standard colors

Satin anodized aluminum and selection of RAL colors

PANEL WIDTHS (OVERALL MINIMUM/MAXIMUM)—

Glass/MDF: Minimum 25-9/16", Maximum 49-3/16".

Maximum run lengths (operable or fixed panels): Unlimited.

HEIGHTS (GLASS PANEL MAXIMUM) —

- 125-15/16" (glass thickness @ 5/16")
- 137-3/4" (glass thickness @ 3/8")
- 157-3/8" (glass thickness @ 1/2")

PANEL HEIGHTS (OPAQUE PANEL MAX. HEIGHTS) —

- 165-5/16" (MDF+HPL)

MOUNTING/ANCHORING —

CARVART offers several types of structural suspension assemblies and coordination services to advise on best practices for supporting the wall system.

WEIGHT & STRUCTURAL LOADS —

Panels range in weight from 6lbs - 26lbs per square foot.

Weight is dependent on panel type, glass type and specified acoustic insulation. Consult CARVART pre-construction team for project specific weights and loads.

ACOUSTIC PROPERTIES —

- MDF + HPL: 38dB [Rw]
- MDF + HPL: 41dB [Rw]
- MDF + HPL: 51dB [Rw]
- Glass: 46dB [Rw] (no acoustic interlayer)
- Glass: 53dB [Rw] (w/ acoustic PVB interlayer)

ELECTRICAL/POWER REQUIREMENTS —

- Supply: 110-240 AC - 50/60 Hz
- System: 24V DC/48V DC
- Total power used: 200W

ADD-ON DESIGN OPTIONS —

- Multi-directional/corner/angled configurations
- Top-structure/suspension system available on request
- Range of acoustic isolation levels

CUSTOMIZATION —

All opening sizes, finishes, configurations and panels types are custom per project.

INSTALLATION

System is top-hung and requires trained industry professional to ensure installation meets quality

and safety standards.

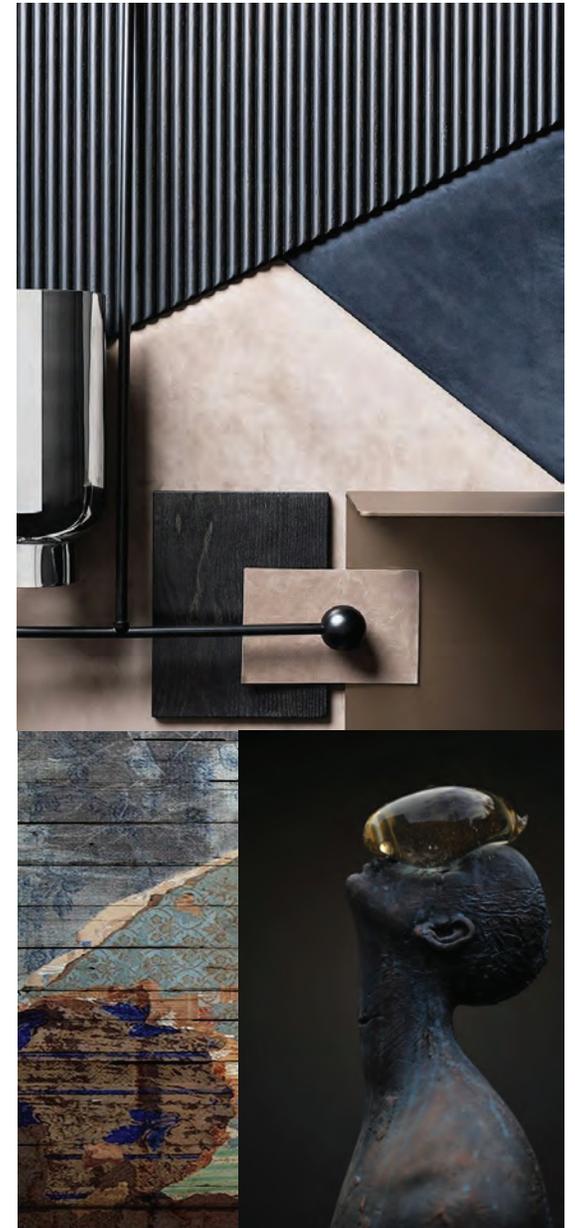
Top supporting suspension structure provided by CARVART is pre-engineered and anchoring and connections to structure/substrate must be coordinated by structural engineer. All panels come pre-assembled. Top track and structure above system must be cut-to-size on site and assembled. CARVART offers on-site and remote training for all installers new to the product or requiring a refresher. Certain glass and hardware components/finishes are only available as "knock-down" products and require site-assembly. Consult a CARVART agent for information on available pre-assembled components.

HARDWARE WARRANTY

1-year limited warranty.

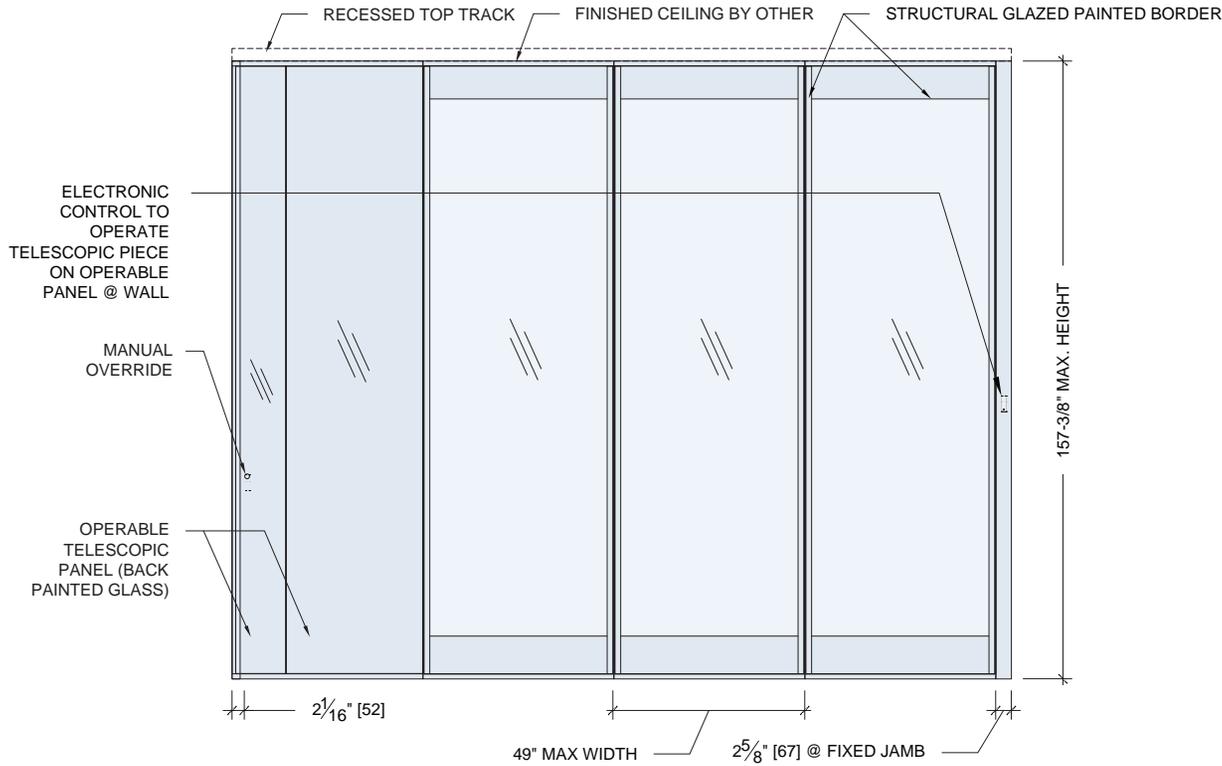
For more info, contact CARVART Sales Advisory Team at quotes@carvart.com or call us at 212 675 0030.

“ clean, simple lines + clear glass provide an open canvas
 . . . perfect interior + exterior view created w/ glassSTACKWALL > Motion.

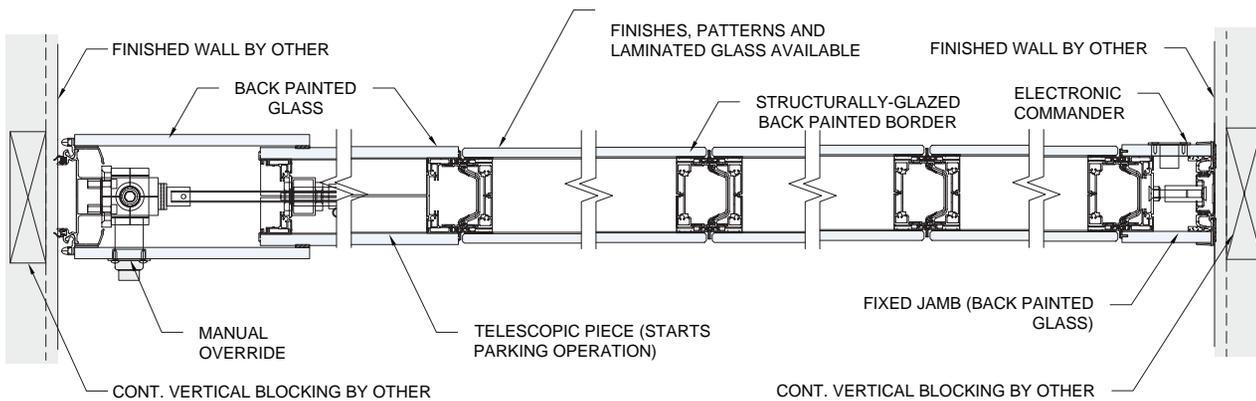


Details

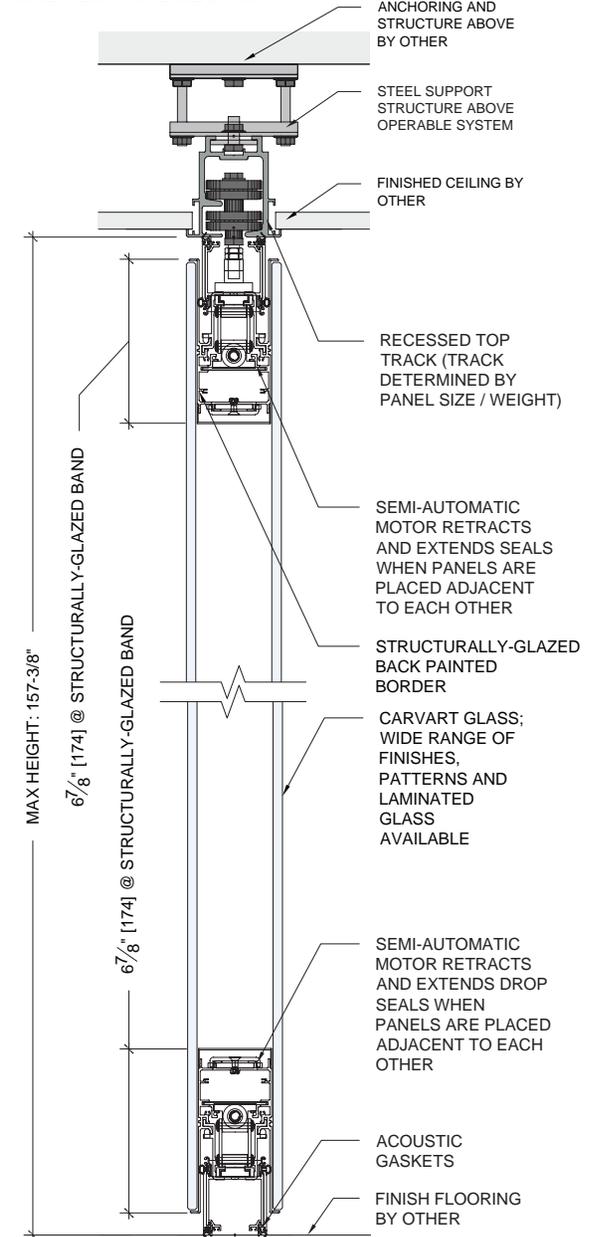
TYPICAL FRONT ELEVATION



TYPICAL HORIZONTAL SECTION

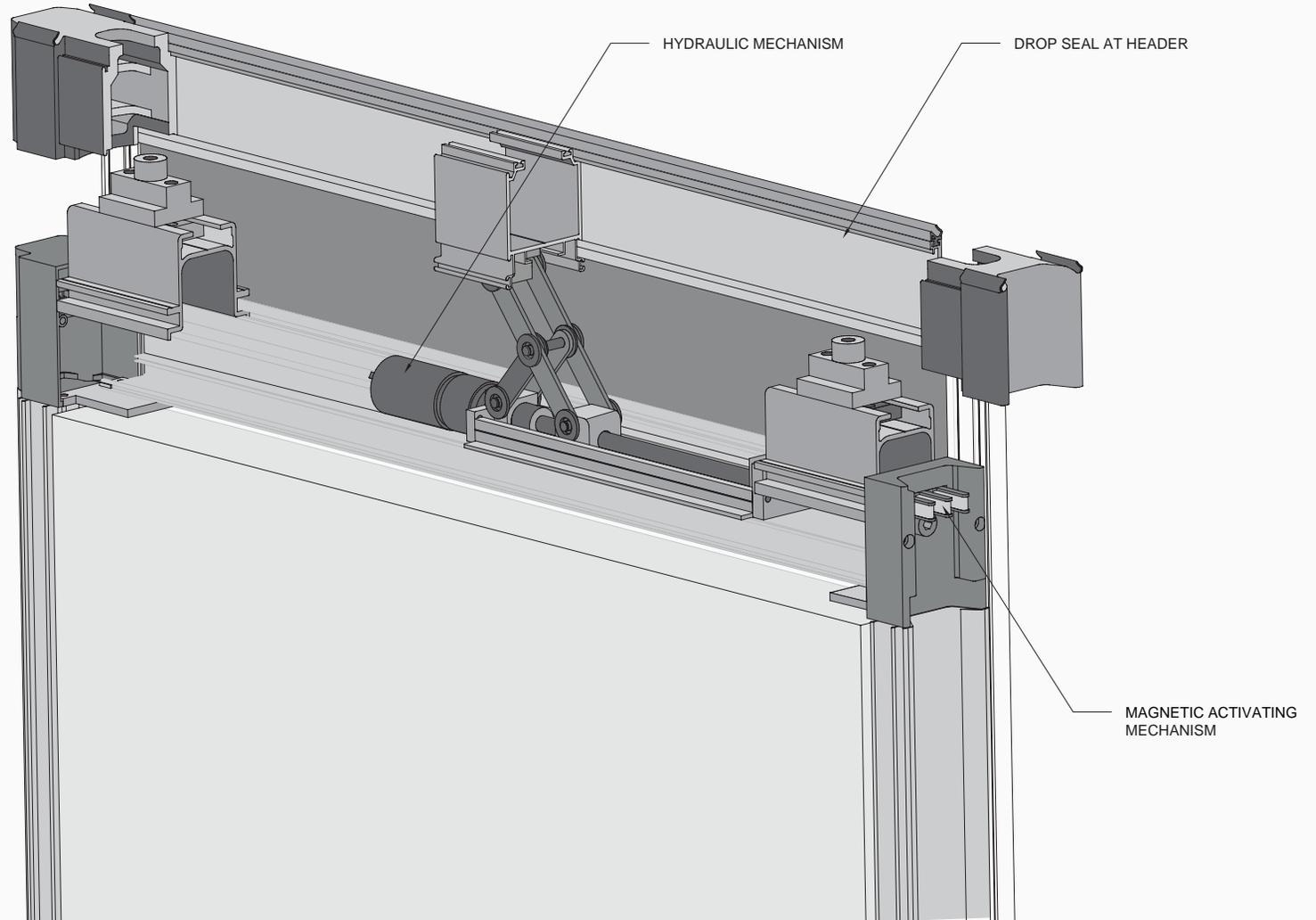


TYPICAL VERTICAL SECTION

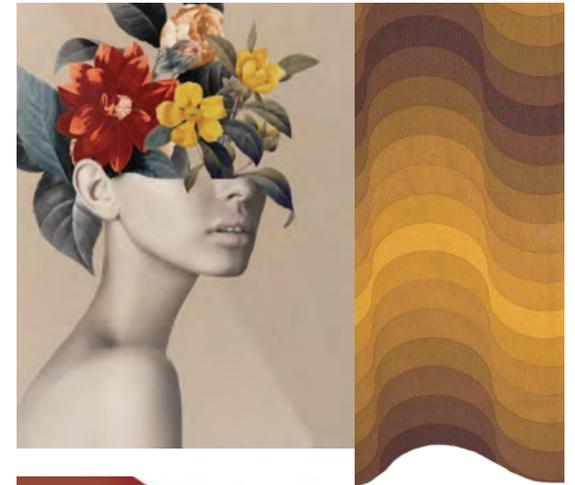
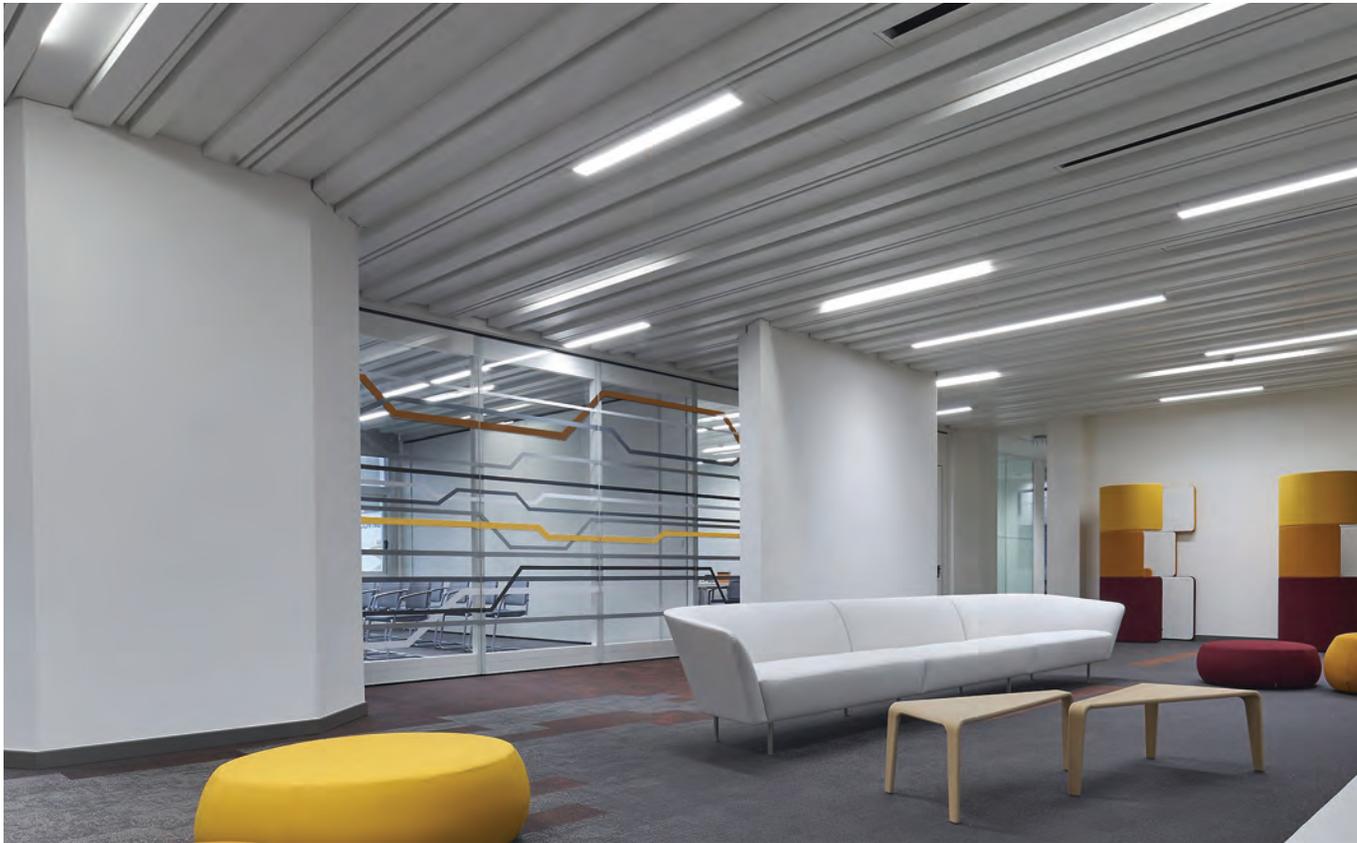


Details

PANEL ISOMETRIC



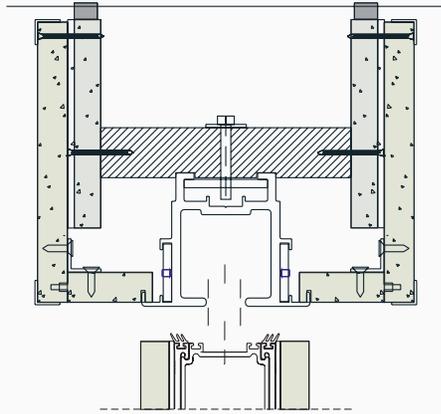
“ bold, yet simple color blocks grace the white backdrop
 . . . perfect setting to highlight the intriguing glassSTACKWALL > Motion.



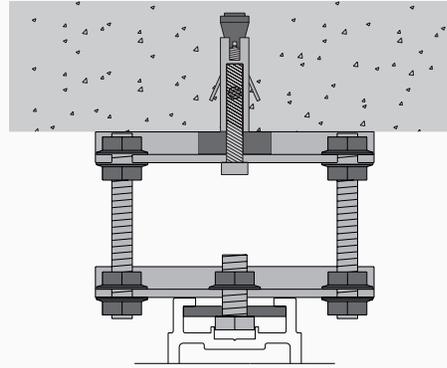
Options: Structural support

(above CARVART systems)

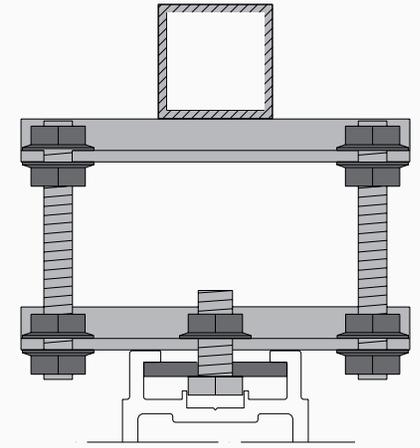
- Pre-engineered, easy-to-install top support can be coordinated and provided for additional cost.
- Ideal for tall spaces where the super-structure is far above finish ceiling.



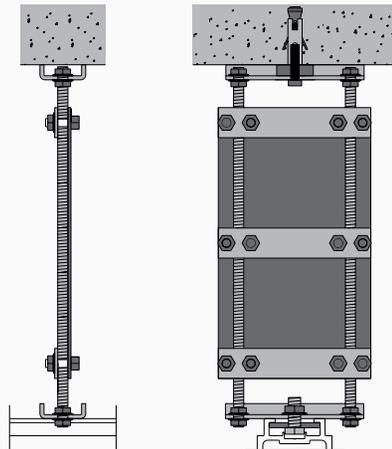
**ACOUSTIC HEADER
SOFFIT ASSEMBLY**



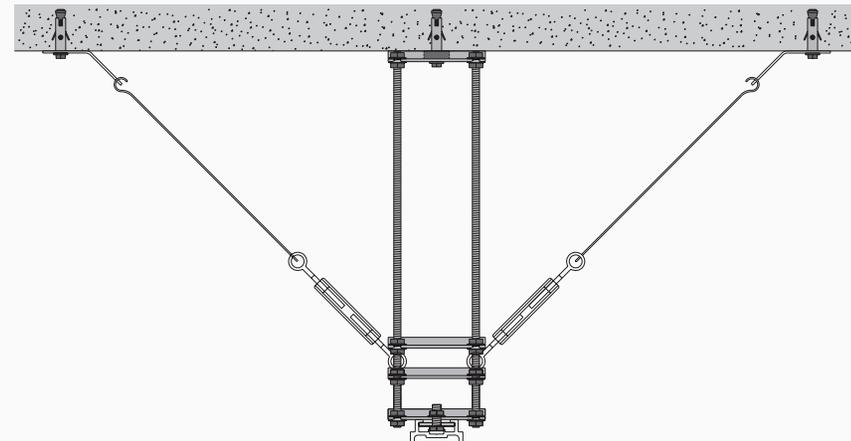
**STEEL THREADED ROD SUPPORT
WITH CONCRETE ANCHOR CONNECTION**



**STEEL THREADED ROD SUPPORT
WITH STEEL TUBE CONNECTION**



**STEEL THREADED ROD SUPPORT
WITH STIFFENING PLATE**

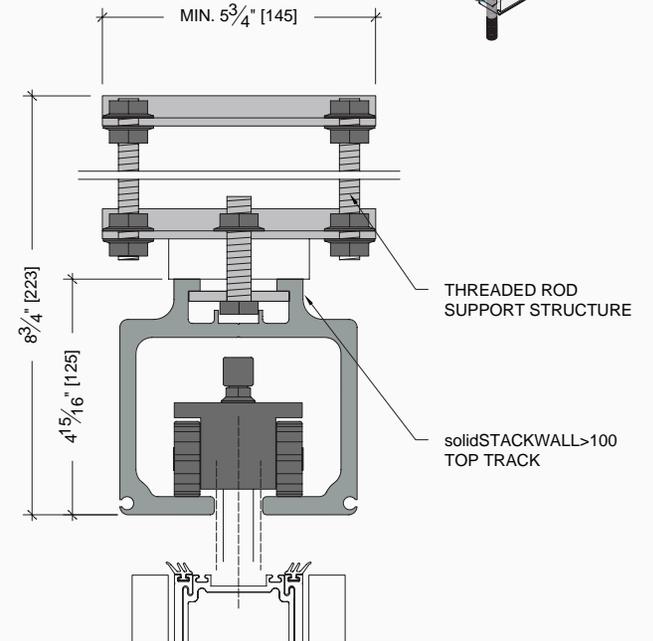
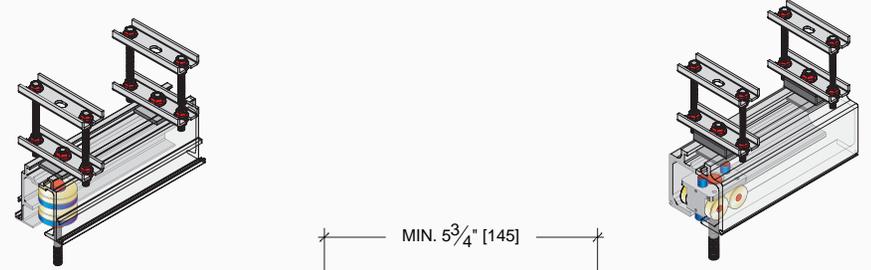
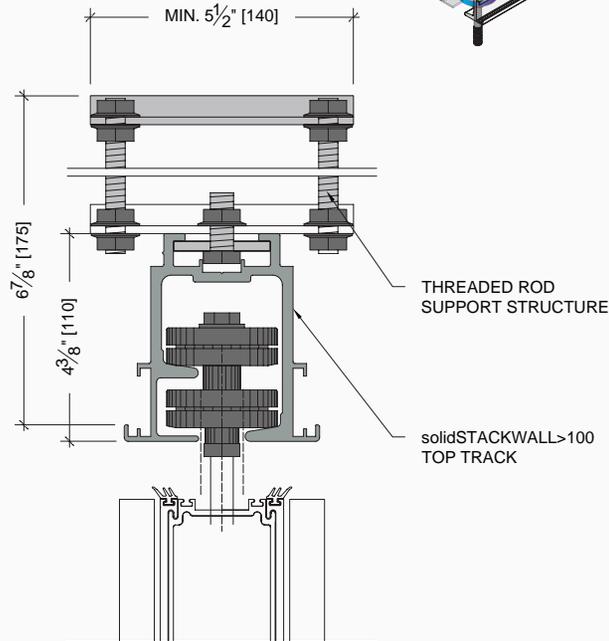
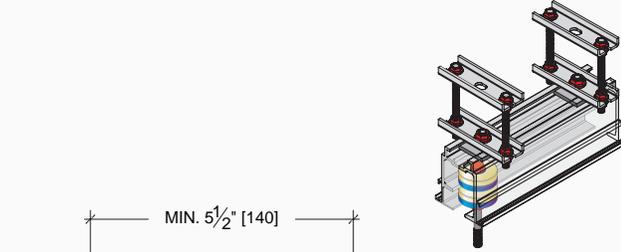
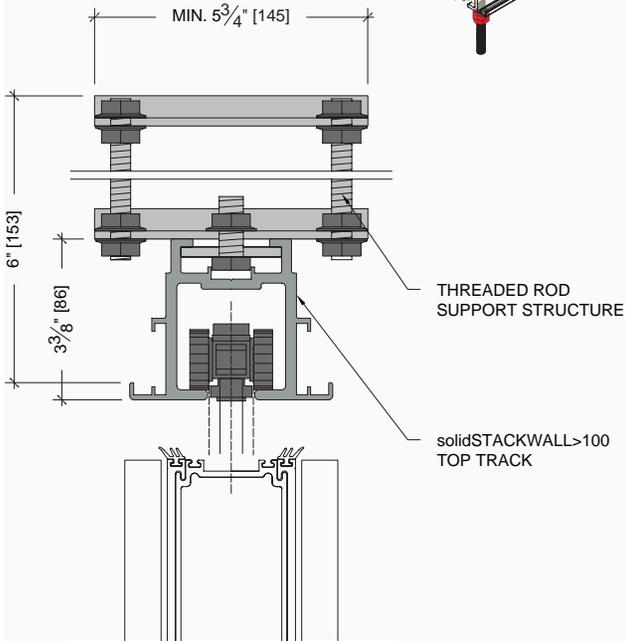
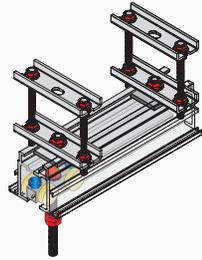


**STEEL THREADED ROD SUPPORT
WITH OUTRIGGERS**

Options: Structural support

(above glassSTACKWALL>MOTION systems)

- Pre-engineered, easy-to-install top support can be coordinated and provided for additional cost.
- Ideal for tall spaces where the super-structure is far above finish ceiling.



glassSTACKWALL>100

- LINEAR / STRAIGHT-RUN CONFIGURATIONS ONLY
- ACOUSTIC PERFORMANCE
- SINGLE-TROLLEY SYSTEM
- MAX HEIGHT: 11'-5-3/4"

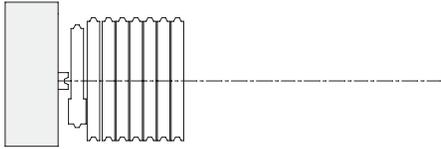
glass STACKWALL>800

- MULTIDIRECTIONAL / CORNER-RUN CONFIGURATIONS
- ACOUSTIC PERFORMANCE
- TWO-TROLLEY SYSTEM
- MAX HEIGHT: 21'-3-7/8"

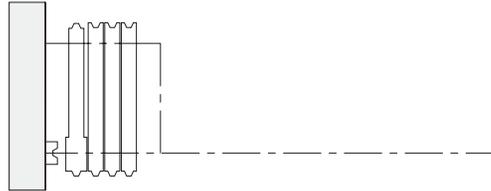
glassSTACKWALL>1000

- MULTIDIRECTIONAL / CORNER-RUN CONFIGURATIONS
- TWO-TROLLEY SYSTEM
- MAX HEIGHT: 21'-3-7/8"

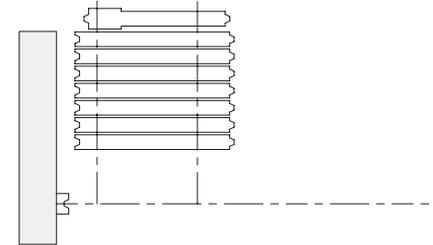
Options: Parking Configurations



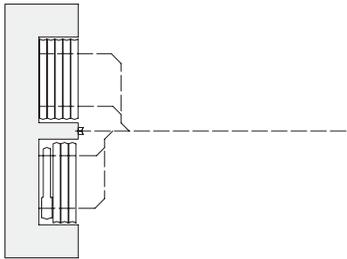
PG-07
TYPICAL PARKING FOR STRAIGHT RUN



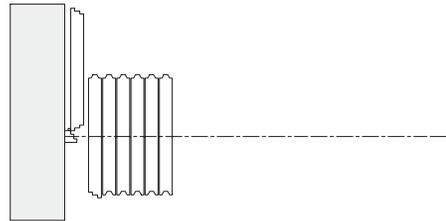
PG-08
TYPICAL PARKING FOR MULTI-DIRECTIONAL (2AL1)



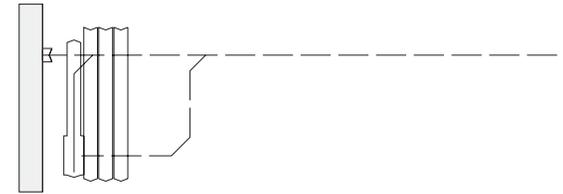
PG-09
OFFSET PARKING WITH PARALLEL TRACK (2PAR)



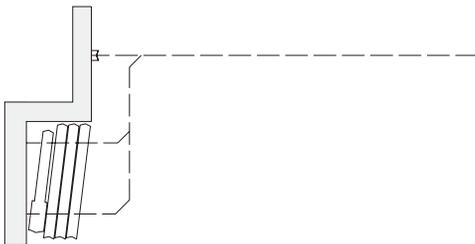
PG-10
SPLIT PARKING (1K-05)



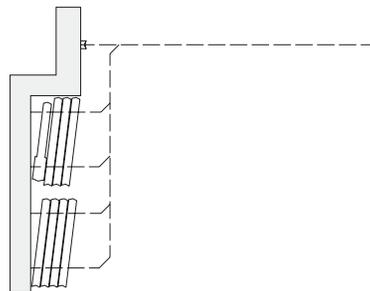
PG-11
PARKING WITH FIXED DOORPANEL (1BAT)



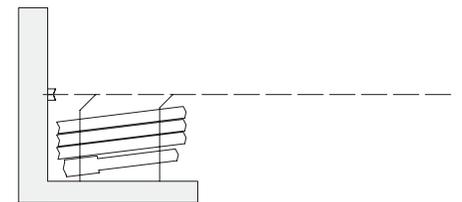
PG-12
OFFSET TELESCOPICPANEL PARKING (1K-02)



PG-13
REMOTE PARKING (1K-03)



PG-14
REMOTE SPLIT (1K-04)



PG-15
ANGLED PANEL PARKING (1K-01)

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