MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

Overview

Panel Type
- ☐ Individual Panels, Curve and Diverter
- ☐ Individual Panels, Multi-Directional
- ☑ Hinged-Paired
- ☐ Continuously-Hinged

Partition Operation
- ☑ Manual
- ☐ Electric

Stacking Configurations
- ☑ Centerline
- ☐ Offset
- ☐ Remote
- ☑ Bi-Parting

STC Options
A=Acoustic Substrate S=Steel Skin

- ☑ 52S
- ☑ 50S
- ☑ 42A
- ☑ 45A
- ☑ 49A
- ☑ 50A

Panel Finishes
- ☑ Vinyl
- ☑ Fabric
- ☑ Carpet
- ☑ Digitally Printed Steel Skin
- ☑ High Pressure Laminate
- ☑ Wood Veneer
- ☑ Customer Supplied*

* Material Subject to Kwik-Wall approval

Vertical Panel Joints
- ☑ Trimless
- ☑ Capped Trim

Top Seals
- ☑ Fixed
- ☐ Operable

Bottom Seals
- ☐ Fixed
- ☑ Adjustable Fixed
- ☑ Operable
- ☑ Automatic
- ☐ Extended

Available Options
Storage pocket doors; ADA Pass Doors – (single, double with panic hardware, concealed door closures & exit signs); dry marker surfaces; insulated glass unit inserts; tack surfaces.

KWIK-WALL's Model 2030 – featuring panels hinged together in groups of two (2), allowing quick and easy set up. With centerline support and operation, hinged-paired panels are ideal-ly suited for straight-run room division applications up to 16'-2" [4.93] tall. With STC options from 42-52, 2000 Series Operable Walls offer industry-leading premium sound control.

Model **2030** construction features panels that are 3" [76.2] thick, manufactured of a durable roll-formed steel frame, and standard steel skins for maximum durability and sound control. For acoustic substrate construction, or for finishes that require acoustic substrate (HPL, Wood Veneer), STC ratings from 42-50 are available. Optional acoustical glass insert vision-lites can be added.

2000 Series Panel Weights

STC	lbs./sq.ft.	Kg/m2
52S	9.2 lbs./sq. ft.	[44.9 kg/m2]
50S	8.6 lbs./sq. ft.	[41.9 kg/m2]
42A	6.5 lbs./sq. ft.	[36.6 kg/m2]
45A	7.5 lbs./sq. ft.	[36.6 kg/m2}
49A	9.0 lbs./sq. ft.	[43.9 kg/m2]
50A	9.0 lbs./sq. ft.	[43.9 kg/m2]

2030
More Information

Dimensions in [ ] are millimeters. Visit Kwik-Wall.com for additional product information and to connect with your authorized Kwik-Wall distributor.

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

PART 1 – GENERAL SPECIFICATIONS

1.01 WORK INCLUDED

A. Operable wall system shall be furnished, installed, and serviced by wall manufacturer's authorized distributor, in compliance with the architectural drawings and specifications contained herein.

1.02 RELATED WORK

A. Structural Support: Structural support system required for suspending the operable wall shall be designed, installed and pre-punched by others, in accordance with ASTM E 557 and manufacturer's shop drawings.

B. Insulation: Sound insulation and baffles for the plenum area above the track system, under the permanent floor, inside air ducts passing over or around the operable wall, and in permanent walls adjoining the operable wall system shall be by others, in accordance with ASTM E 557.

C. Opening Preparation: Proper and complete preparation of the operable wall system opening shall be by others in accordance with ASTM E 557 and shall include floor leveling; plumbness of adjoining permanent walls; substrate and/or ceiling tile enclosures for the track system; and the painting and finishing of trim and other materials adjoining the head and jamb areas of the operable wall. Any permanent wall(s) receiving an adjustable or fixed wall jamb will require internal structural blocking to secure the jamb to the permanent wall. Refer to a copy of the shop drawings for additional details.

1.03 SYSTEM DESCRIPTION

A. The operable wall system shall consist of Hinged, Paired Panels that are top-supported by one (1) carrier. Featuring panels hinged together in evenly matched pairs (groups of two (2)), unless otherwise specified.

B. The operable wall system shall consist of acoustically rated panels tested in accordance with ASTM E 90 and ASTM E413 test procedures and shall have achieved a STC rating as specified herein (see "Acoustical Performance" article listed under Part 2 – Products).

1.04 QUALITY ASSURANCE

A. The operable wall shall have been tested in an independent acoustical testing laboratory in accordance with ASTM E 90 and ASTM E 413 test procedures.

B. The operable wall panel construction and finish materials shall consist of Class A rated materials (except as noted, under "Finishes" Part 2 – Products) in accordance with ASTM E 84.

C. The operable wall shall be installed by the manufacturer's authorized distributor in accordance with ASTM E 557.

1.05 REFERENCES

A. ASTM E 90: Laboratory Measurement of Airborne-Sound Transmission Loss of Building Partitions.

B. ASTM E 413: Determination of Sound Transmission Class (STC).

C. ASTM E 557: Architectural Application and Installation of Operable Partitions.

D. ASTM E 84: Surface Burning Characteristics of Building Materials.

E. ASTM A 653: Specification for General Requirements for Steel Sheet, Alloy-Coated (Galvanneal) by the Hot Dip Process.

F. ASTM C 423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.

G. CCC-W-408A: Federal Specification which applies to Vinyl Coated Wall Coverings.

H. CFFA-W-101-D: Chemical Fabrics and Film Association Quality Standard for Vinyl Coated Fabric Wall Coverings.

I. ATTM E 2190: Certification and testing for Insulated Glass inserts.

1.06 SUBMITTALS

A. Manufacturer shall provide written technical information and related detail drawings, which demonstrate that the products comply with contract documents for each type of operable partition specified.

B. Manufacturer shall provide detailed engineering drawings featuring track plan, panel elevation, horizontal and vertical details, and beam punching template as required.

C. Manufacturer shall provide a written test report of the independent acoustical testing laboratory certifying the attainment of the specified STC rating, upon request.

D. Manufacturer shall provide written instructions specifying the proper operation and maintenance of the operable wall system.

E. Manufacturer shall provide a color selector demonstrating the manufacturer's selections of the specified finish material. Samples shall consist of actual swatches of the specified finish material.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Panels shall be individually wrapped in a protective plastic covering to keep panels clean during delivery, storage, and handling.

B. Panels shall be stored on edge and above the floor on cushioned blocking in a dry and ventilated area, protected from humidity and temperature extremes.

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

1.08 SEQUENCING / SCHEDULING

A. Beam Punching: Manufacturer shall provide beam punching template drawing detailing the anchor locations for the suspended track system (as required for Drop Rod Mounting), as required for the fabrication and installation of structural overhead support by others.

B. Track Installation: Scheduling of operable wall track installation shall occur after structural overhead support has been properly and completely fabricated and installed by others.

C. Panel Installation: Operable wall panel installation shall occur after fixed wall substrate construction is properly and completely installed by others, as required to protect panels from ongoing adjacent construction.

1.09 WARRANTY

Manufacturer shall warrant each operable wall panel and its component parts to be free from defects in material and workmanship for a period of ten (10) years from the date of delivery to the original purchaser, when installed by an authorized KWIK-WALL distributor. KWIK-WALL also warrants the fixed top seals, track, carriers, and its component parts to be free from defects in material and workmanship for a period of ten (10) years. (Contact your local KWIK-WALL Distributor or KWIK-WALL Company for complete warranty information.)
(Glass inserts, if selected, carry a 5-year warranty.)

PART 2 – PRODUCT SPECIFICATIONS

2.01 ACCEPTABLE MANUFACTURER

A. Operable walls shall be Series 2000, Model 2030 Hinged, Paired Panels as manufactured by KWIK-WALL Company.

2.02 PANEL CONSTRUCTION

A. Panel Dimensions: Standard panel dimension shall be a nominal 3" [76] thick.

B. Panel Frame: Vertical steel frame members shall be minimum 18-gauge galvanneal steel, horizontal top cross member shall be minimum 12-gauge galvanneal steel, which meets or exceeds ASTM A 653 requirements. Frames shall be all-welded construction with steel corner support and cross-bracing reinforcements. Panel frames shall be Class A-rated fire-retardant, non-combustible, and non-corrosive in accordance with ASTM E 84.

C. Panel Skins: Panel skins shall be Class A rated (except Wood Veneer and High-Pressure Laminate) in accordance with ASTM E 84. Panel skin material shall consist of (select):

1. Steel Skins: consisting of minimum 22-gauge tension-leveled galvanneal steel, pressure laminated to a structural acoustical backer and to the steel frame to form a rigid, unitized, and structural panel.
2. Acoustical Substrate: consisting of a structural acoustical substrate pressure laminated to both sides of the steel frame to form a rigid, unitized, and structural panel.
3. Wood Veneer: consisting of wood veneer laminated to particle board core, pressure laminated to both sides of the steel frame to form a rigid, unitized, and structural panel.
4. High- Pressure Laminate: consisting of gypsum board core covered with general-purpose plastic laminate and Phenolic backer sheet, which is pressure-laminated to both sides of the steel frame to form a rigid, unitized, and structural panel.
   *Optional Wood Veneer or High-Pressure Laminate finishes are only available with Acoustical Substrate Construction.
5. Insulated Glass Unit Inserts: Opening cut out in panel shall be glazed with insulated glass that is manufactured in accordance with ASTM E 2190. Glass type shall be an acoustical insulated glass unit. Glass shall be retained in the opening cut out using an aluminum extrusion.

D. Panel Hinges: Panel hinges shall be: Architectural grade, full-leaf butt hinges.
Hinges shall be attached to the steel frame of the panel and reinforced with a steel backer plate.

E. Panel Weight: Maximum panel weight shall be 6.5 – 9.2 lb./ft.2 (32 – 59 kg/m2) depending on STC rating, size, and options selected.

2.03 OPERATION

A. Operation shall be manually operated, consisting of panels hinged together in groups of two (2), unless otherwise specified. Panels shall be top-supported by one (1) carrier in each panel.

2.04 STACK ARRANGEMENTS

A. Stack Type: Panel storage configuration shall be Center Stacking, consisting of panels stacked on the centerline to the wall's installed position.

B. Stack Quantity: Panels shall be stored at (select):
   1. One End: at one room end perimeter wall
   2. Both Ends: at both opening perimeter walls.

2.05 FINISHES

A. Finish Material Type: Panel finish material shall be Class A (except wood veneer and high-pressure laminate) rated in accordance with ASTM E 84, consisting of (select):

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

1. Vinyl: consisting of Type II, reinforced vinyl weighing 21 oz./lin. yd. (651 g/lin. m). Vinyl shall meet or exceed CCC-W-408A and CFFA-W-101-D quality standards.
2. Fabric: consisting of fade and tear-resistant fabric that resists water-based stains, weighing 13 oz./lin. yd. (403 g/lin. m).
3. Carpet: consisting of acoustically absorbent, non-woven needle punch fibers fused to prevent fraying and unraveling of material weighing 28.5 oz./lin. yd. (884 g/lin. m). Basics Carpet shall achieve a minimum NRC (Noise Reduction Coefficient) rating of .20 (applied over gypsum substrate) in accordance with ASTM C 423.
4. Upgrade Carpet: consisting of acoustically absorbent, non-woven needle punch fibers fused to prevent fraying and unraveling of material weighing 23 oz./lin. yd. (713 g/lin. m). Upgrade Carpet shall achieve a minimum NRC (Noise Reduction Coefficient) rating of .25 (applied over gypsum substrate) in accordance with ASTM C 423.
5. Wood Veneer: consisting of unfinished flat cut wood veneer laminated to 1/2" [12.7] thick particle board core. Veneer shall be book / running matched within a panel and vertically edge banded if Trimless astragals are specified.
   (Notes: Optional Class "A" rated particle board is available. Acoustical substrate STC ratings apply for Wood Veneer panel construction.)
5. High-Pressure Laminate: consisting of gypsum board core covered with general-purpose plastic laminate and Phenolic backer sheet, which is pressure-laminated to both sides of the steel frame to form a rigid, unitized, and structural panel.
   *Optional Wood Veneer or High-Pressure Laminate finishes are only available with Acoustical Substrate Construction.
6. Digitally-Printed Steel Skins: Seven ply construction comprised of melted, rolled, coated, or printed layers. (52 and 50 STC steel skin panel construction only)
7. Unfinished: consisting of panels with exposed acoustical substrate or steel skins for field-applied wallcovering or painting.

C. Finish Material Supplier: Finish material shall be (select):
   1. Factory Supplied: from manufacturer's standard selection of finish materials, as specified.
   2. Optional Customer Supplied: from customer's selection of finish material, by others, and as approved by KWIK-WALL Company.

D. Finish Material Application: Finish material shall be (select):
   1. Factory Applied: by operable wall manufacturer. Customer-supplied finish material samples must be submitted to manufacturer for testing and approval, prior to acceptance and application.
   2. Field Applied: by others.

2.06 PERIMETER TRIM AND SEALS

A. Vertical Trim and Seals: Panels shall have vertical astragals containing flexible vinyl seals and incorporate reversible tongue-and-groove-type configurations for positive interlocking with adjacent panels. Vertical astragal type shall be (select):
   1. Trimless Astragal: consisting of an aluminum extrusion with tongue-and-groove-type vertical astragals. Vertical trim shall not be permitted on the panel faces, resulting in a minimal groove appearance between adjacent panels.
   2. Cap-type Astragal: consisting of an aluminum extrusion with tongue-and groove-type vertical astragals for encapsulating and protecting the finish material and substrate along the vertical edge of the panel.

B. Horizontal Top Trim and Seals: Top seals shall consist of flexible vinyl sweep seals installed on both sides of the panel. The seals shall consist of a compressed bulb between two (2) fingers of vinyl. Top seal type shall be (select):
   1. Fixed Top Seals: consisting of continuous-contact flexible vinyl sealing against the bottom flange of the overhead track.
   2. Operable Top Seals: consisting of edge-activated seal using a removable wrench as supplied by manufacturer. Top seals shall provide a maximum ½" [13] of travel.

C. Horizontal Bottom Trim and Seals: Bottom seals shall consist of multiple fingers of flexible vinyl for positive contact and sealing with various floor surfaces. Bottom seal type shall be (select):
   1. Operable Bottom Seals: consisting of an edge-activated seal using a removable wrench as supplied by manufacturer. Bottom seals shall provide 2" [50.8] of nominal travel.
   2. Adjustable Bottom Seals: consisting of field-adjustable, continuous-contact vinyl sweep seals with 2" [50.8] nominal height with 3/4" [19] of nominal adjustment.
   3. Automatic Bottom Seals: consisting of self-activated seals providing 2" [50.8] of nominal travel.

D. Horizontal and Vertical Panel Trim: All exposed panel trim and hinges shall be of one (1) similar color as selected from manufacturer's standard colors.

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

2.07 CLOSURE SYSTEMS

A. Initial Closure System: The lead panel (the first panel exiting the stack) shall form a seal vertically against a rigid wall surface, as accomplished by a (select):
   1. Bulb Seal: consisting of continuous-contact, flexible vinyl bulb seals installed along the vertical edge of the lead panel for positive compression against a rigid wall surface.
   2. Fixed Starter Jamb: consisting of an aluminum extrusion, which is permanently mounted to a structural wall surface. The Fixed Starter Jamb shall incorporate a tongue-and-groove-type vertical astragal for positive interlocking with the lead panel.
   3. Adjustable Starter Jamb: consisting of an aluminum extrusion which is permanently mounted to a structural wall surface and is field-adjustable to compensate for out-of-plumb conditions of the fixed wall. The Adjustable Starter Jamb shall incorporate a tongue-and-groove-type vertical astragal for positive interlocking with the lead panel.

B. Final Closure System: The final closure panel (the last panel exiting the stack) shall form a seal vertically against a rigid wall surface. The type of final closure panel shall be (select):

1. Expander Panel Closure: consisting of an expander mechanism with a nominal 5" [127] of travel, activated from the face of the panel using a removable wrench as supplied by manufacturer. The Expander Panel shall be equipped with an adjustable bottom seal (standard) or (optional) operable bottom seal, and a flush pull handle.
2. Hinged Panel(s) Closure: consisting of a panel hinged permanently and directly to a structural wall surface. The Hinged Panel(s) shall be equipped with an adjustable bottom seal, a lap-type extrusion for sealing against its adjacent panel (standard) or (optional) expander mechanism with a nominal 5" [127] of travel, activated from the face of the panel using a removable wrench, and a flush pull handle on each side of the panel.
3. Communicating Panel Closure: consisting of a full-sized panel hinged permanently and directly to a structural wall surface. The Communicating Panel shall function as a full height pass door (maximum panel size: 3'-0" (.91 m) wide x 10'-2" (3.10 m) high), with an adjustable bottom seal, a lap-type extrusion for sealing against its adjacent panel, and a flush pull handle on each side of the panel.
4. Lap Closure: consisting of a pair of panels equipped with bulb seals for sealing against a rigid wall surface along one (1) vertical edge, and a lap-type extrusion that overlaps with the adjacent panel on the opposite vertical edge. The Lap Closure panels shall be equipped with adjustable bottom seals, and a flush pull handle.
5. Single Panel Expander Closure: consisting of an expander mechanism with a nominal 5" [127] of travel, activated from the face of the panel using a removable wrench. The Single Panel Expander shall be capable of rotating 360o and shall be equipped with an adjustable bottom seal (standard) or (optional) operable bottom seal, and a flush pull handle.
7. Pocket Door(s): (see "Series 2000 Pocket Door" technical data for complete details and specifications).
   Note: Optional Automatic Bottom Seal is not available in conjunction with Final Closure panel(s).

2.08 ACOUSTICAL PERFORMANCE

A. Certification: The operable wall shall have been tested in an independent acoustical testing laboratory in accordance with ASTM E 90 and ASTM E 413 test procedures.

B. STC Rating: The operable wall acoustical performance rating shall be based on (select):
   1. Acoustical Substrate: 42 STC, 45 STC, 49 or 50 STC.
   2. Steel Skins: with optional ratings of 50 STC or 52 STC.
   (Note: Not available with optional Wood Veneer or High-Pressure Laminate.)

2.09 PANEL ACCESSORIES

A. Accessories, including Insulated Glass Unit Vision Lites; Pass Doors: Single or Double; Keyed Cylinder Locks; Concealed Door Closures; Room Viewers; Exit Signs; Dry Marker Writing Surfaces; Recessed Eraser Trays; Tack Surfaces; and Pocket Doors shall be compatible with other accessories and options, furnished and installed by the operable wall manufacturer as noted on submitted shop drawings.

2.10 TRACK SYSTEMS

A. Track Type: The operable wall track system shall be (select):
   1. Aluminum Track: extruded from structural aluminum alloy, which prohibits deterioration caused by rust or corrosion. The aluminum track shall have a durable, anodized, clear satin finish, which resists color fading and flaking. The track shall utilize grooves and interlocking steel pins for positive alignment of adjacent track sections. The track joints shall be reinforced overhead by a heavy-duty steel bracket made of hot-rolled, 3/8" [10] thick plate steel. Aluminum track shall include an integral nut slot to accept a hardened steel square nut, to facilitate attachment of each steel all-rod and splice brackets to the overhead structural support.
   2. Hinged Pairs Steel Track: For panels up to 900lbs [408kg]. Track shall be of 3/16" [5] formed black painted steel connected to the structural support by pairs of 3/8" threaded steel hanger rods. Track trim shall be clear anodized

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

aluminum. Carriers to have four steel wheels with precision-ground radial bearings. Minimum dimension from the ceiling to the structure is 8" [203].

3. Optional Unispan by Kwik-Wall: overhead support truss with integral aluminum track for hinged paired panels. (See separate Unispan specification.)

B. Track Types:

1. Type 425 Hinged Pairs Aluminum Track: certified to be capable of supporting up to 425 lb. (192 kg) of total live load weight per panel
2. Type 425 Hinged Pairs Aluminum Track -Steel Raceway Tread: certified to be capable of supporting up to 525 lb. (238 kg) of total live load weight per panel.
3. Type 850 Hinged Pairs Aluminum Track: certified to be capable of supporting up to 850 lb. (386 kg) of total live load weight per panel.
4. Type 850 HD Hinged Pairs Aluminum Track: certified to be capable of supporting up to 1600 lb. (725 kg) of total live load weight per panel.
5. Type 11L Hinged Pairs Steel Track: consisting of four (4) permanently lubricated, precision-ground ball bearing polished steel wheels, as required for ease of panel movement.
6. Unispan by Kwik-Wall: overhead support truss with Type 40 track for hinged paired panels. (See separate Unispan specification.)

2.11 CARRIER SYSTEMS

A. Carrier Type: Each Hinged Pair panel shall be top supported by one (1) carrier utilizing a 5/8" [16] diameter pendant bolt. The carrier type shall be (select):

1. Type 425 Polymer Tire Carrier: consisting of four (4) permanently lubricated, precision ball bearing steel wheels with high-strength polymer tires, as required for smooth and quiet operation.
2. Type 425 Steel Tire Carrier: Steel Wheel Carrier: certified to be capable of supporting up to 600 lbs. (272 kg) of total live load weight per panel.
3. Type 850 Polymer Tire Carrier: consisting of eight (8) permanently lubricated, precision ball bearing steel wheels with high-strength polymer tires, as required for smooth and quiet operation.
4. Type 850 HD Steel Tire Carrier: consisting of eight (8) permanently lubricated, precision ball bearing steel wheel,s certified to be capable of supporting up to 1600 lbs. (726 kg) of total live load weight per panel.
5. Type 11L Steel Wheel Carrier: certified to be capable of supporting up to 900 lbs. (408 kg) of total live load weight per panel.
6. Type 40 Polymer Tire Carrier: consisting of four (4) permanently lubricated, precision-ground ball bearing steel wheels with high-strength polymer tires, as required for smooth and quiet operation when using Unispan by Kwik-Wall overhead support truss system. (See separate Unispan specification.)

2.12 SUSPENSION SYSTEMS

A. Mounting Systems: The track shall be supported by (select):

1. Drop Rod Mount to track square nut raceway: consisting of adjustable rods of grade 2, 3/8" [10] diameter threaded steel all-rod provided with 3/8" [10] serrated steel nuts. Note: Standard rod spacing width is 2.5" on each side of the opening run centerline.
2. Drop Rod Bracket Mount: consisting of 3/8" [10] thick steel brackets by 8" wide, mounted to the square nut integral raceways at the top of track, and suspended with adjustable rods of grade 2, 3/8" [10] diameter threaded steel all-thread rod provided with 3/8" [10] serrated steel flange nuts.

3. Direct Mount: consisting of 3/8" [10] x 3" [76] lag screws for attachment to an overhead structural (wood) support. (Direct mount track installations should not exceed 425 lb. (193 kg) of panel weight.)

PART 3 – EXECUTION

3.01 INSPECTION

A. Proper and complete preparation of the operable wall system opening shall be by others in accordance with the architectural drawings, manufacturer's shop drawings, and ASTM E 557. Any deviation of the actual opening from these specifications shall be called to the attention of the architect prior to the installation of the operable wall.

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

B. Deficiencies in the operable wall opening shall be corrected by others prior to installation of the operable wall.

3.02 INSTALLATION

A. The operable wall system shall be installed by manufacturer's authorized distributor.
B. The operable wall shall be installed in accordance with manufacturer's written instructions, shop drawings, and ASTM E 557 installation guidelines.

3.03 ADJUSTING AND CLEANING

A. The operable wall panels and track system shall be adjusted and cleaned in accordance with manufacturers written instructions.

3.04 PROTECTION

A. The operable wall panels shall be stored in the stacked (retracted) position prior to acceptance by the owner's representative.

3.05 DEMONSTRATION

A. The operable wall manufacturer's authorized distributor shall demonstrate proper operation and explain proper and necessary maintenance requirements of the operable wall system to the owner's representative.

For additional information contact:
KWIK-WALL Company
900 S. Cain St.
Clinton, IL 61727

Phone: 217-522-5553 or 800-280-5945
(United States and Canada only)
Fax: 217-522-1170 or 800-290-5945
(United States and Canada only)

Website: www.kwik-wall.com
Email: info@kwik-wall.com

Note:
Due to ongoing research and development, product specifications may vary.
5.2026

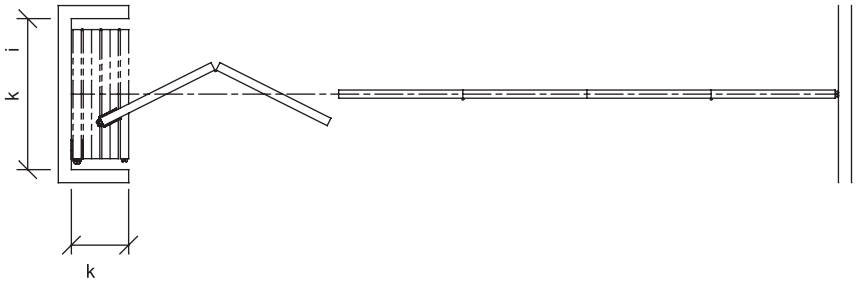
MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

STACKING CONFIGURATIONS

Center Stack

Panels are conveniently stored at one or both ends and stacked on-center to the wall's installed position.



Stack Depth*

The overall depth of the stack area, as required for panel storage, is dictated by the total number of panels in the wall system. Luminous Atlas folding glass panels require an average stack depth of 3 1/2" [89] per panel. To determine the stack depth, calculate as follows:

Number of Panels x 3½" [89]

*Note: Additional stack depth is required for wall systems containing the following type of panels:

- Expander Panel Closure or Pass Door Panel: ¾" [19]
- Hinged Panel(s) Closure: 4" [102]
- Pocket Door(s): 6" [152]

** For wall systems that include Pocket Doors, please reference KWIK-WALL's 2000 Series Pocket Door technical data sheet for pocket layout dimensions and applications.

Pocket Width**

The width of the pocket is determined by the widest panel in the wall run. For specification purposes, assume the widest panel is 4'-0" (122 cm) maximum. Wall systems that utilize Automatic type bottom seals will require extra pocket width to allow clearance for the actuator that protrudes from the bottom of the lead panel. Pocket width may be calculated as follows:

If Adjustable or Operable Bottom Seals are specified:

Widest Panel + 7" [178]
(allows 3½" [89] for hand clearance on each side)

If Automatic Bottom Seals are specified:

Widest Panel + 8 1/2" [216]
(for actuator clearance on one side) plus 3 1/2" [89] (for hand clearance on the other side)

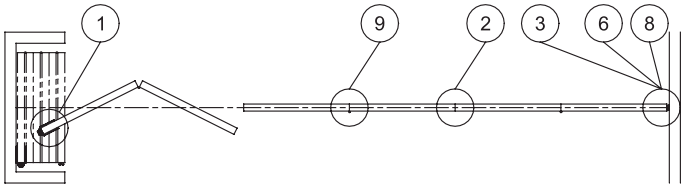
MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

FINAL CLOSURES

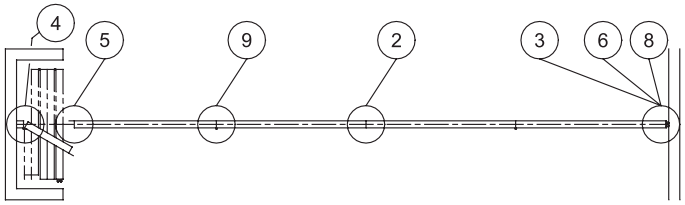
Expander Panel Closure

The final closure panel is equipped with an expander closure located on the vertical edge of the panel that mechanically telescopes outward to create a positive contact seal with a rigid wall, pocket door or jamb. The expander closure is activated by inserting a wrench into an escutcheon plate located on the panel face. The expander panel is equipped with a flush pull handle and an adjustable bottom seal or operable bottom seal.



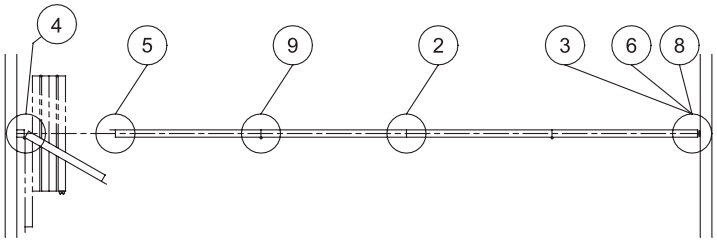
Hinged Panel Closure (Single or Double)

This final closure configuration is accomplished by a (single) half panel which is hinged permanently and directly to a structural wall (as shown at right). The double version includes a second panel that is hinged to the half panel. The closure panel(s) features an adjustable bottom seal(s) and includes a flush pull handle on each side of the panel.



Communicating Panel Closure

This final closure panel is a full-sized panel (maximum 3'-0" [.9] wide x 10'-2" [3.10] high) which is hinged permanently and directly to a structural wall. The Communicating panel functions as a full height pass door, incorporates an adjustable bottom seal and includes a flush pull handle on each side of the panel.



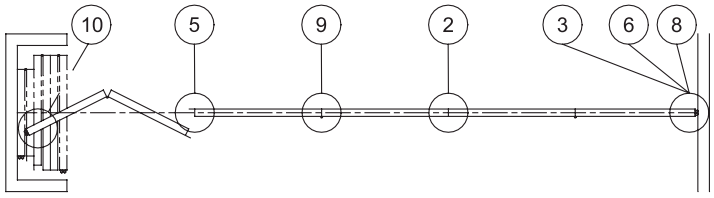
MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

FINAL CLOSURE OPTIONS

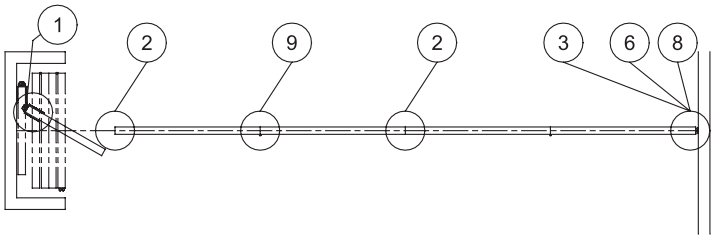
Lap Panel Closure

The final closure is accomplished by two (2) panels equipped with bulb seals for sealing against a rigid wall surface on one side, and a lap-type extrusion that overlaps with the (1) adjacent panel on the opposite side. The lap closure panel is equipped with adjustable bottom seals and includes a flush pull handle.



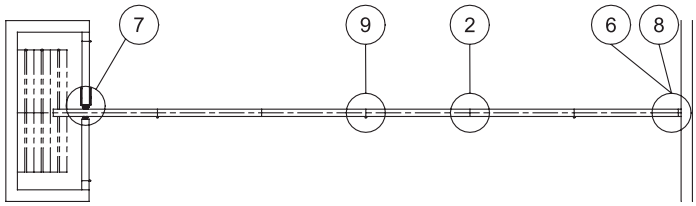
Single Panel Expander Closure

The final closure panel is equipped with an expander mechanism in the same way as the more common expander panel. The single panel expander shall be center hung and capable of rotating 360₀ and, is equipped with an adjustable bottom seal bottom seal and is used specifically with hinged pairs (standard) or (optional) operable operation, and includes a flush pull handle. (Maximum panel height is 12'-2" [3.71]).



Double Pocket Doors with Expander Closure

The pocket door is equipped with an expander mechanism in the same way as the more common expander panel. Rather than being located on a wall panel, the expander saddle is integrated into a pocket door panel. The saddle expander will be fully retracted with a pair of bulb seals compressed against be fully retracted with a pair of bulb seals compressed against the last panel exiting the stack. The pocket doors are provided with fixed bottom seals as a factory standard and includes a foot bolt and flush pull handle.

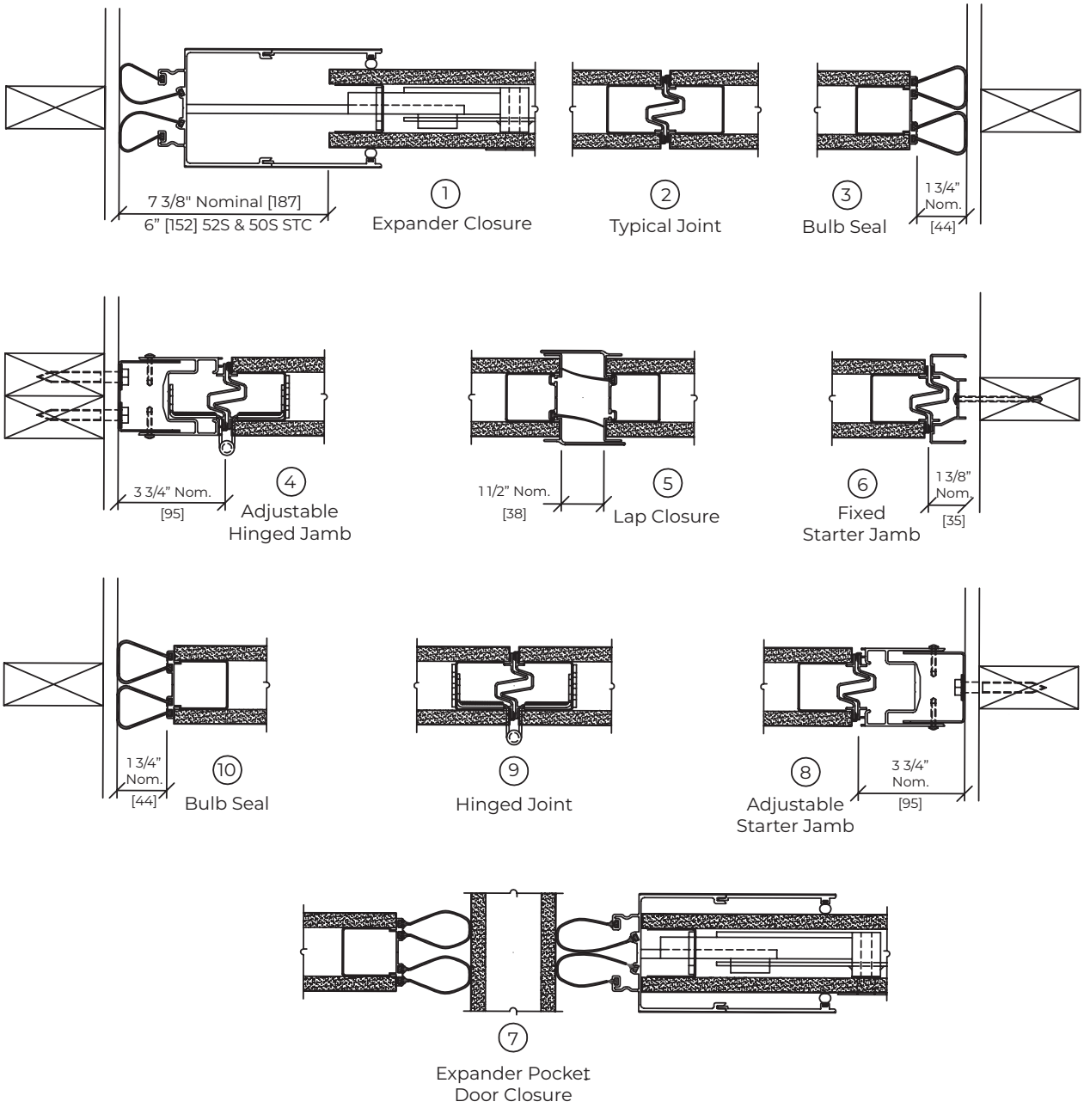


NOTE: Horizontal details for numbers 1-10 referenced above can be found on Pages 11 and 12.

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

HORIZONTAL TRIMLESS DETAILS

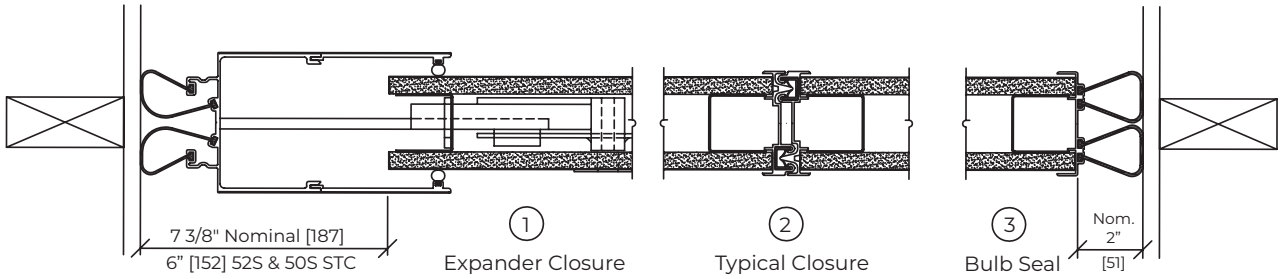


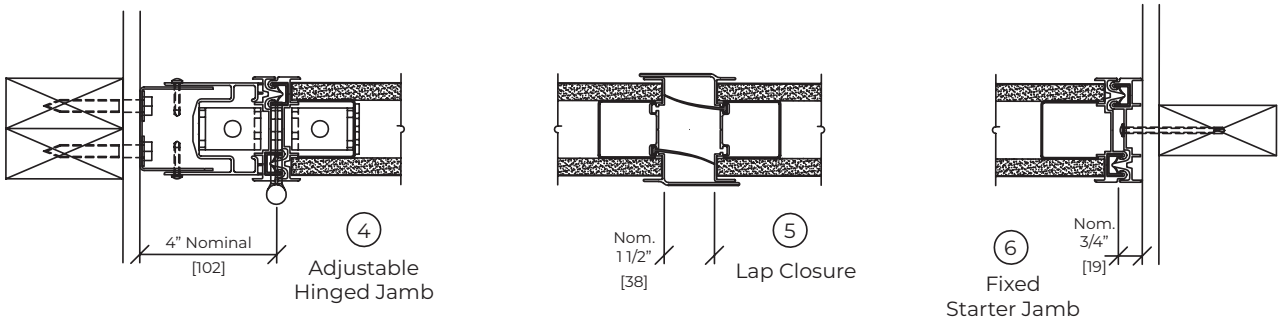
Dimensions in [ ] are millimeters. Visit Kwik-Wall.com for additional product information and to connect with your authorized Kwik-Wall distributor.

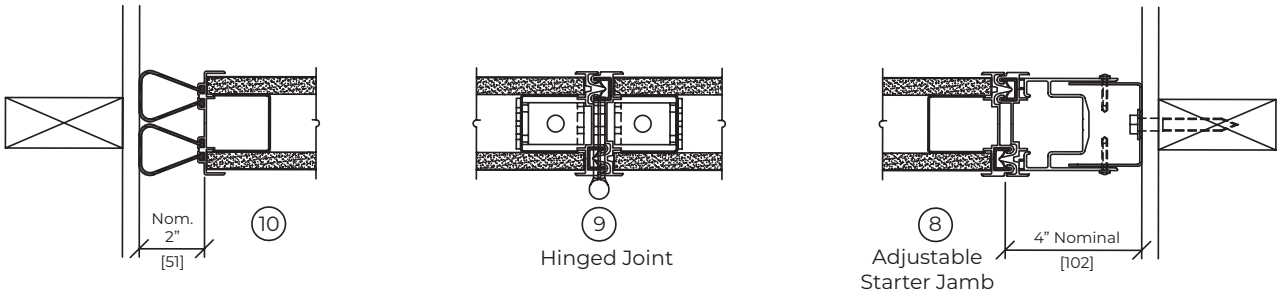
MODEL 2030 — Hinged-Paired Panels

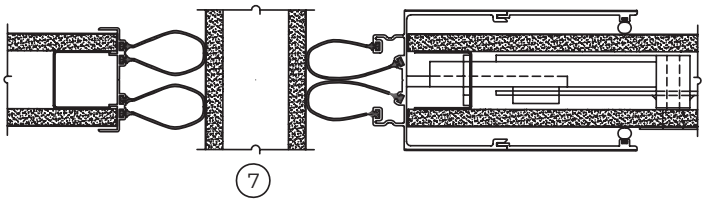
SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

HORIZONTAL CAP-TRIM DETAILS







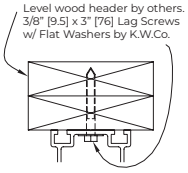


Dimensions in [ ] are millimeters. Visit Kwik-Wall.com for additional product information and to connect with your authorized Kwik-Wall distributor.

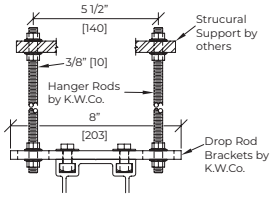
MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

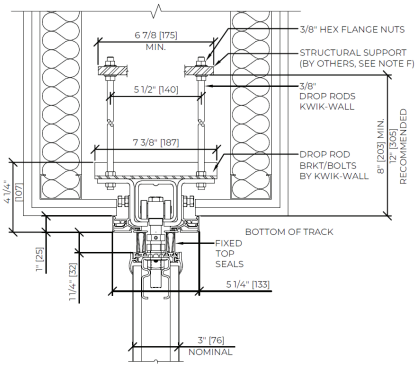
VERTICAL DETAILS



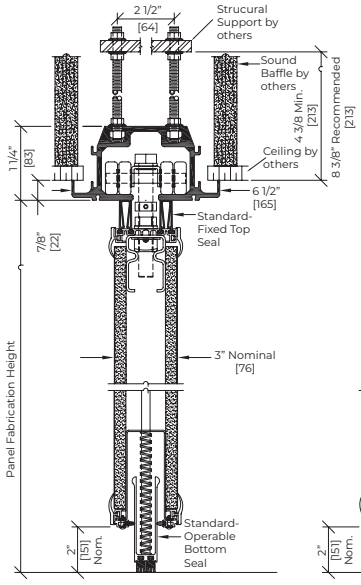
Optional Direct Mount



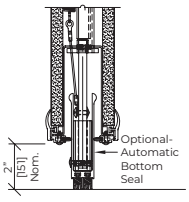
Optional Drop Rod
Bracket Mount



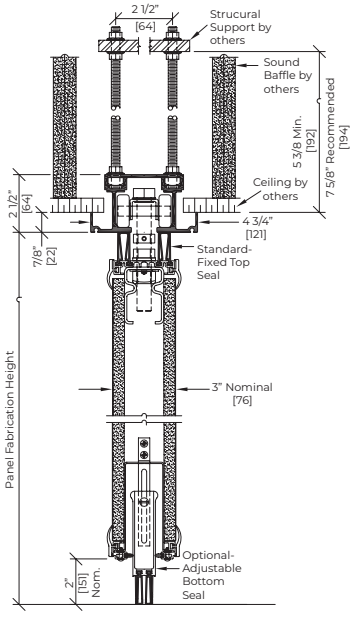
Type 11L Steel Track
and Carrier



850 Hinged Pairs
Aluminum Track
and Carrier



Automatic Bottom Seal



425 Hinged Pairs
Aluminum Track
and Carrier

Notes:
1. Optional automatic bottom seal is notavailable with final closure panel(s).
2. 52S and 50S STC has additional fixed sweeps on bottom extrusion

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

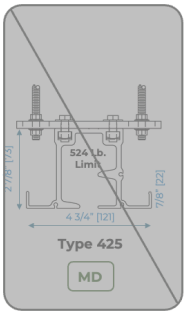
TRACK OPTIONS

Aluminum Track Systems

Direct attach hanger rods to square nut raceway, **or** alternate attach with hanger brackets

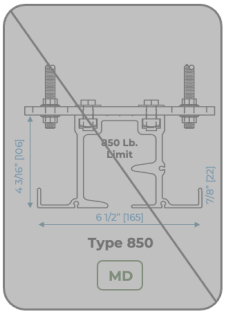
Configuration Application

HP = **Hinged Paired Panels**
CD = Individual Panels Curve & Diverter
MD = Individual Panels Multi-Directional
CH = Continuously-Hinged Electric Panels



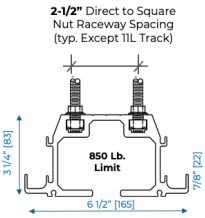
Type 425

MD



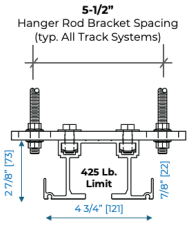
Type 850

MD



Type 850

HP / CD



Type 425

HP / CD

N.T.S.

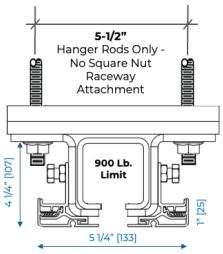
Steel Track & Aluminum with Steel Tread Track Systems

Direct attach hanger rods to square nut raceway, **or** alternate attach with hanger brackets

(typ. Except Type 11L Track)

Configuration Application

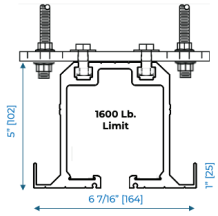
HP = **Hinged Paired Panels**
CD = Individual Panels Curve & Diverter
MD = Individual Panels Multi-Directional
CH = Continuously-Hinged Electric Panels



Type 11L

Steel Track w/ Aluminum Ceiling Trim

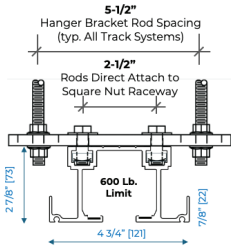
HP



Type 850 HD

Alum. Track w/ Steel Tread Inserts and Steel-Tired Carriers

HP / CD / CH



Type 425 SR

Alum. Track w/ Steel Tread Inserts and Steel-Tired Carriers

HP / CD

N.T.S.

- STC OPTIONS
- PANEL CONSTRUCTION
- PANEL WEIGHTS
- FRAME THICKNESS
- OPENING SIZE LIMITS

Model 2030 – Hinged-Paired Panels

STC Rating	[S] Steel Skin *or* [A] Acoustic Substrate	Panel Weight lbs./ft²	Panel Thickness	Maximum Opening Height	Maximum Opening Width
52	S	**9.2** [44.9 kg/m²]	3"	16'-2" [4.93m]	Unlimited
50	S	**8.6** [41.9 kg/m²]	3"	16'-2" [4.93m]	Unlimited
42	A	**6.5** [36.6 kg/m2]	3"	14'-2" [4.32m]	Unlimited
45	A	**7.5** [36.6 kg/m2]	3"	14'-2" [4.32m]	Unlimited
49	A	**9.0** [43.9 kg/m2]	3"	14'-2" [4.32m]	Unlimited
50	A	**9.0** [43.9 kg/m2]	3"	14'-2" [4.32m]	Unlimited

Note: Panel weights are for standard intermediate panel function. Weights may vary due to substrate, panel finish and panel functionality. Add 105 lbs. [47 kg] for ea. pass door panel. Add 6 lbs. [3 kg] per lineal ft. height for each expander panel. Add 3.5 lbs. to 8 lbs. [1.6 kg – 3.6 kg] per lineal foot for track weight.

Finishes requiring acoustic substrate construction: High Pressure Laminate & Wood Veneer.

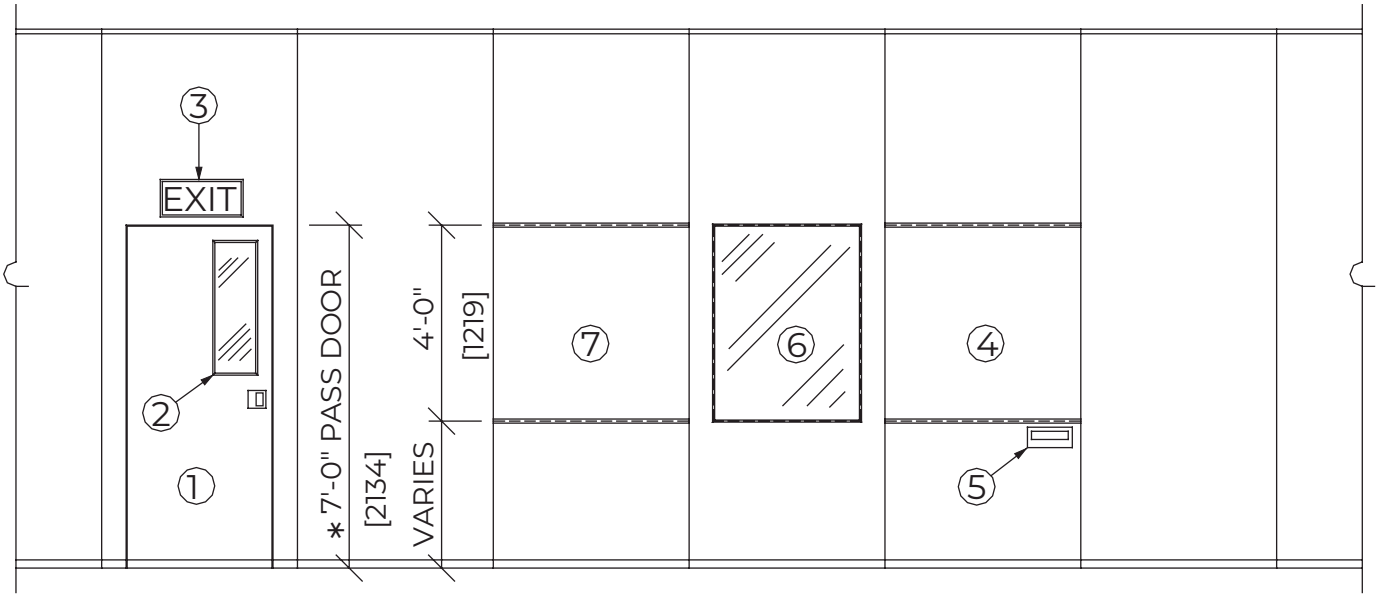
Please refer to: ASTM E 557 "Standard Guide for the Installation of Operable Partitions", for specifics on structural support deflection; floor flatness; and sound transmission flanking path surrounding construction.

Dimensions in [ ] are millimeters. Visit Kwik-Wall.com for additional product information and to connect with your authorized Kwik-Wall distributor.

MODEL 2030 — Hinged-Paired Panels

SECTION 10 22 26 OPERABLE PARTITIONS
SECTION 10 22 39 FOLDING PANEL PARTITIONS

ELEVATION DETAIL



ACCESSORIES

1. Pass Door (Single shown, double available)
2. Pass Door Vision Lite
3. Exit Sign
4. Writing Surface
5. Recessed Eraser Tray
6. Insulated Glass Vision Lite
7. Tack Surface
8. Pocket Door (Not shown)

Notes:
1. * 7' - 8" (2.34m) minimum panel fabrication height required.

Dimensions in [ ] are millimeters. Visit Kwik-Wall.com for additional product information and to connect with your authorized Kwik-Wall distributor.