ATLAS™ – Individual, Curve and Diverter Panels, 38 STC

SECTION 10 22 39 FOLDING PANEL PARTITIONS
SECTION 10 22 39.13 FOLDING GLASS-PANEL PARTITIONS

Overview

Panel Type
- ☑ Individual
- ☐ Hinged-Paired
- ☐ Continuously-Hinged

Partition Support
- ☑ Top Support
- ☐ Floor Support

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

Operation – Panels
- ☑ Manual
- ☐ Electric

Operation – Top Seals
- ☑ Fixed, continuous contact

Operation – Bottom Seals
- ☑ Standard: Adjustable fixed
- ☑ Optional: Operable]
- ☑ Optional: Automatic]

Panel Finish *(non-glass panel finish)*
- ☑ All Kwik-Wall operable wall finishes

Panel Thickness ☐ 4" ☑ 3"

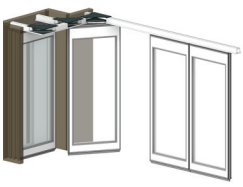
Sound Control
- ☐ 48 STC – [4" panel thickness only]
- ☐ 43 STC – [4" panel thickness only]
- ☑ 38 STC – [3" panel thickness only]

Power Requirement
- ☐ Yes – Continuously-hinged electric operation
- ☑ No – Manual operation configurations

Luminous Atlas Folding Glass Panel Partitions combine rugged, durable operable wall DNA with insulated glass units, delivering up to 80% of the panel surface area as clear viewing glass for maximum daylighting without sacrificing premium sound control!

Available with 38 STC certified sound control, Atlas **Individual Panel, Curve and Diverter Panels** move to their location with ease on our decision-free, pre-programmed radius curve and diverter track system, offering multiple options for layout and panel storage.

Atlas from Kwik-Wall is the new standout glass operable wall hybrid option.



WEIGHTS:
7.6 lbs. / sq. ft.
[37 kg/m2]

ATLAS
More Information

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

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PART 1 – GENERAL

1.01 DESCRIPTION

A. Folding glass panel partition system shall be furnished, installed and serviced by KWIK-WALL's authorized distributor, in compliance with the architectural drawings and specifications contained herein.

1.02 RELATED WORK BY OTHERS

A. Structural Support: Structural support system required for suspending the folding glass panel partition shall be designed, installed and pre-punched by others, in accordance with ASTM E 557 and KWIK-WALL'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 folding glass panel partition, and in permanent walls adjoining the folding glass panel partition system shall be by others, in accordance with ASTM E 557.

C. Opening Preparation: Proper and complete preparation of the folding glass panel partition 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 folding glass panel partition. Any permanent wall(s) receiving an adjustable or fixed wall jamb will require internal structural blocking in order 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 Individual Panels that are top supported by two (2) carriers riding through radius Curve and Diverter type intersections.

B. The folding glass panel partition system shall consist of acoustically rated panels. tested in accordance with ASTM test procedures, and shall have achieved an STC rating as specified herein (see "Acoustical Performance" article listed under Part 2 – Products).

1.04 QUALITY ASSURANCE

A. The folding glass panel partition shall have been tested in an independent acoustical testing laboratory in accordance with ASTM E 90 and ASTM E 413 test procedures.

B. The folding glass panel partition panel construction and finish materials shall consist of Class A rated materials in accordance with ASTM E 84.

C. The folding glass panel partitionshall be installed by KWIK-WALL'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 (Galvannealed) 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. KWIK-WALL 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. KWIK-WALL shall provide detailed engineering drawings featuring track plan, panel elevation, horizontal and vertical details and beam punching template as required.

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

D. KWIK-WALL shall provide written instructions specifying the proper operation and maintenance of the folding glass panel partition system.

E. KWIK-WALL shall provide a color selector demonstrating KWIK-WALL'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.

1.08 SEQUENCING / SCHEDULING

A. Beam Punching: Manufacturer shall provide beam punching template drawing detailing the anchor locations for the sus-

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pended track system for Drop Rod Mounting, as required for the fabrication and installation of structural overhead support by others.

B. Track Installation: Scheduling of folding glass-panel partition track installation shall occur after structural overhead support has been properly and completely fabricated and installed by others.

C. Panel Installation: Folding glass-panel partition system 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

A.Manufacturer shall warrant each folding glass panel and its component parts to be free from defects in material and workmanship for a period of five (5) 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. (Glass is specifically excluded from the warranty.) (Contact your local KWIK-WALL Distributor or KWIK-WALL Company for complete warranty information.)

PART 2 – PRODUCT SPECIFICATIONS

2.01 ACCEPTABLE MANUFACTURER

A. Folding glass-panel partition shall be Luminous Atlas, 4” panel thickness with decision-free radius curve & diverter track system as manufactured by KWIK-WALL Company.

2.02 PANEL CONSTRUCTION

A. Panel Dimensions: Standard panel dimension shall be 4” [101.6] thick, and 48” [1219] nominal panel width.

B. Panel Frame: Steel frame shall be 16-gauge galvanneal steel, horizontal top cross member shall be minimum 12-gauge galvanneal steel which meets or exceeds ASTM A 653 requirements. Frame shall be all-welded construction with steel corner supports and cross-bracing reinforcement. Panel frame 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. Standard Steel Skins: consisting of a minimum of 22-gauge tension-leveled galvanneal steel, pressure laminated to a structural acoustical backer and mechanically joined to the steel frame to form a rigid, unitized and structural panel.
2. Optional Acoustical Substrate: consisting of structural acoustical substrate pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel.
3. Optional Wood Veneer: consisting of particle board core covered with wood veneer and pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel.
4. Optional 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.

D. Panel Hinges (if required): Panel hinges shall be architectural grade, full leaf, butt hinges. Hinges shall be attached to steel frame utilizing a steel mounting bracket welded to frame.

E. Glass: 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 acoustic insulated glass unit. Glass shall be retained in opening cut out using an aluminum extrusion. Insulated Glass Unit Thickness – 1” overall thickness, 1/4” laminated glass 1/2” Air Space, 1/2” tempered glass.

F. Panel Weight: Maximum panel weight shall be 7.6 lbs./ft.2 (37.1 kg/m2) depending on STC rating, size and options selected.

2.03 OPERATION

A. Operation shall be Individual Panels / Curve & Diverter, consisting of Individual Panels that are top supported by two (2) carriers riding through radius Curve and Diverter type intersections.

2.04 STACK ARRANGEMENTS

A. Stack Type: Panel storage configuration shall be (select):

1. Standard Perpendicular Stack: consisting of panels stacking perpendicular to the wall’s installed position. (Note: For panel fabrication heights over 16’-2” (4.93 m) panels stack at a 70o angle perpendicular to the wall’s installed position.)
2. Optional Parallel Stack: consisting of panels stacking parallel to the wall’s installed position. (Note: For panel fabrication heights over 16’-2” (4.93 m) panels stack at a 20o angle parallel to the wall’s installed position.)
3. Optional Remote Stack: consisting of panels stacked remotely from the wall’s installed position, as shown on submitted shop drawings. (Note: For panel fabrication heights over 16’-2” (4.93 m) panels stack at a 20o angle remotely from the wall’s installed position.)

B. Stack Quantity: Panels shall be stored in separate stack areas as required for panel storage.

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2.05 FINISHES

A. Finish Material Type: Panel finish material shall be Class A (except wood veneer) rated in accordance with ASTM E 84, consisting of (select):
   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. Optional Upgrade Fabric: consisting of fade and tear resistant fabric that resists water-based stains weighing 13 oz./lin. yd. (403 g/lin. m).
   3. Optional Basics 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/n.m) Basics Carpet shall achieve a minimum NRC (Noise Reduction Coefficient) rating of .20 (applied over gypsum substrate) accordance with ASTM C 423.
   4. Optional 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. Optional 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..)
   6. Optional High Pressure Laminate: consisting of gypsum board core covered with general purpose plasticlaminate and Phenolic backer sheet, which is pressure laminated to both sides of the steel frame to form a rigid, unitized and structural panel.
      (Note: Acoustical substrate STC ratings apply for High Pressure Laminate panel construction.)
   7. Optional Unfinished: consisting of panels with exposed acoustical substrate or steel skins for field applied wall covering or painting.

B. Finish Material Supplier: Finish material shall be (select):
   1. Standard 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.

C. Finish Material Application: Finish material shall be (select):
   1. Standard Factory Applied: by KWIK-WALL's authorized distributor. Customer supplied finish material samples must be submitted to manufacturer for testing and approval prior to acceptance and application.
   2. Optional Field Applied: by others. ting 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. Optional 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 shall be fixed providing continuous-contact flexible vinyl, which seals against the bottom flange of the overhead track.

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. Standard 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. Optional Adjustable Bottom Seals: consisting of field adjustable, continuous-contact vinyl sweep seals with 2" [50.8] nominal height with 3/4" [19] of adjustment.
   3. Optional 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 (select):
   1. Dark Bronze
   2. Grey

2.06 PERIMETER TRIM AND SEALS

A. Vertical Trim and Seals: folding glass-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. Standard 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.

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2. Optional 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 shall be fixed providing continuous-contact flexible vinyl, which seals against the bottom flange of the overhead track.

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. Standard Operable Bottom Seals: consisting of an edge-activated seal using a removable wrench as supplied by manufacturer. Bottom seals shall provide 1 1/2" [38] of nominal travel.
2. Optional Adjustable Bottom Seals: consisting of field adjustable, continuous-contact vinyl sweep with 2" [50.8] nominal height with ¾" [19] of adjustment.
3. Optional 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 (select):
1. Dark Bronze.
2. Grey.

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. Standard 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. Optional 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. Optional 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. Standard Hinged Panel(s) Closure: consisting of a panel(s) hinged permanently and directly to a permanent 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.
2. Optional Portal 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. The Portal Expander Panel shall be hinged to the adjacent panel and equipped with an adjustable bottom seal (standard) or (optional) operable bottom seal, and a flush pull handle. Portal panel shall contain a door holder device for securing it to the adjacent panel when in transit.
3. Optional 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.
4. Optional Pocket Door(s): (see "Atlas Pocket Door" technical data sheet for complete details and specifications).

Notes:
1. Optional Automatic Bottom Seal is not available in conjunction with Final Closure panel(s).
2. Final closure type selection will vary depending on jobsite conditions.

2.08 ACOUSTICAL PERFORMANCE

A. Certification: The folding glass-panel partition 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 folding glass-panel partition acoustical performance rating shall be based on (select):
1. Glass Insert: with a standard rating of 38 STC.

2.09 PANEL ACCESSORIES

A. Accessories including Pass Doors; Single or Double, Keyed Cylinder Locks, Concealed Door Closures, Exit Signs, Pocket Doors shall be compatible with other accessories and options, furnished and installed by the folding glass-panel partition manufacturer as noted on submitted shop drawings.

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2.10 TRACK SYSTEMS

A. Track Type (select):
   1. 850 Curve & Diverter Aluminum Track: Folding glass-panel partition track system shall be 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. Track shall utilize grooves and interlocking steel pins for positive alignment of adjacent track sections and shall be reinforced overhead by heavy-duty steel Drop Rod Brackets made of hot-rolled, 3/8" [10] thick steel. Aluminum track shall include an integral nut slot to accept a hardened steel square nut for attaching each Drop Rod Bracket to the top flange of the track. Each Drop Rod Bracket shall have a pair of steel all-rod extending to the overhead structural support.
   2. 850 Curve & Diverter Aluminum Track: Folding glass-panel partition track system shall be 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. Track shall utilize grooves and interlocking steel pins for positive alignment of adjacent track sections and shall be reinforced overhead by heavy-duty steel Drop Rod Brackets made of hot-rolled, 3/8" [10] thick steel. Aluminum track shall include an integral nut slot to accept a hardened steel square nut for attaching each Drop Rod Bracket to the top flange of the track. Each Drop Rod Bracket shall have a pair of steel all-rod extending to the overhead structural support.
   3. Track Type: 425 aluminum track system shall be extruded from structural aluminum alloy, which prohibits deterioration caused by rust or corrosion. 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. Track joints shall be reinforced over head by a heavy-duty steel bracket made of hot-rolled, 3/8" [10] thick plate steel. Aluminum track shall include integral nut slots to accept a hardened steel square nut for attaching each Drop Rod Bracket to the top flange of the track. Each Drop Rod Bracket shall have a pair of steel all-rod extending to the overhead structural support.

2.11 INTERSECTIONS

A. The "Curve & Diverter" intersections shall be fabricated from structural plate steel 1/4" [6.35] (for 850 Curve & Diverter Aluminum Track) thick and bolted together to form a complete assembly. Diverter guide plates, as required for diverting the panel carrier(s) through a radius turn, shall consist of 1/8" [3.18] structural plate steel and shall be completely field adjustable.

2.12 CARRIER SYSTEMS

A. Carrier Type: Each Curve & Diverter panel shall be top supported by two (2) factory assembled "pre-programmed" carriers utilizing 5/8" [16] diameter pendant bolts. Carriers shall consist of four (4) permanently lubricated, precision ball bearing steel wheels, as required for ease of panel movement.
   1. Type 850 Curve & Diverter Carrier: certified to be capable of supporting up to 850 lb. (386 kg) of total live load weight per panel.

2.13 SUSPENSION SYSTEM

A. The track system shall be supported by 3/8" [10] thick steel Drop Rod Brackets mounted to top flange of track and supported with adjustable rods of grade 2, 3/8" [10] diameter threaded steel all-rod provided with 3/8" [10] serrated steel nuts.

PART 3 – EXECUTION

3.01 INSPECTION

A. Proper and complete preparation of the folding glass-panel partition system opening shall be by others in accordance with the architectural drawings, manufacturers 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.
B. Deficiencies in the folding glass panel partition opening shall be corrected by others prior to installation of the folding glass-panel partition.

3.02 INSTALLATION

A. The folding glass-panel partition system shall be installed by the manufacturer's authorized distributor.
B. The folding glass-panel partition system shall be installed in accordance with the manufacturer's written instructions, shop drawings and ASTM E 557 installation guidelines.

3.03 ADJUSTING AND CLEANING

A. The folding glass-panel partition panels and track system shall be adjusted and cleaned in accordance with manufacturer's written instructions.

3.04 PROTECTION

A. The folding glass-panel partition panels shall be stored in the stacked (retracted) position prior to acceptance by the owner's representative.

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3.05 DEMONSTRATION

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

For additional information contact:
KWIK-WALL Company
4650 Industrial Ave.
Springfield, Illinois 62703

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, some variations may occur in product specifications.
05. 2026

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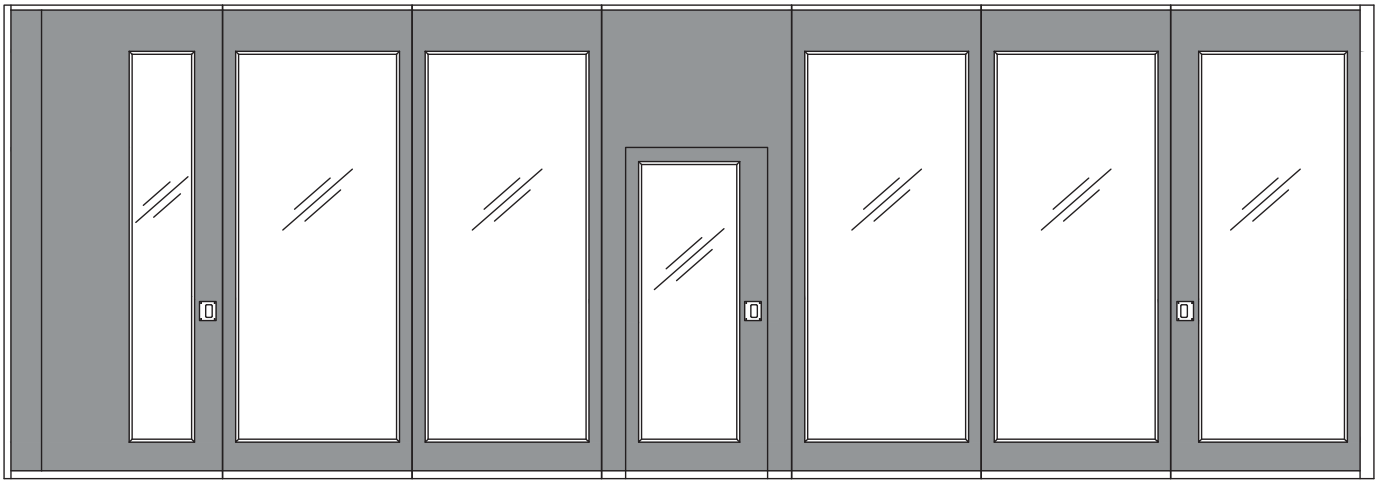
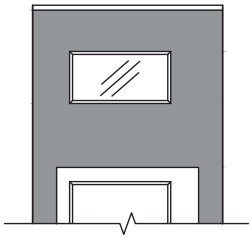
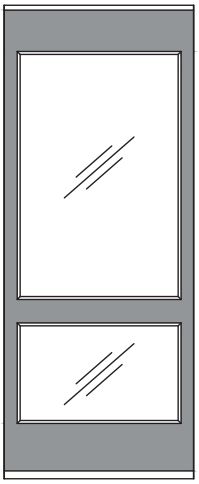
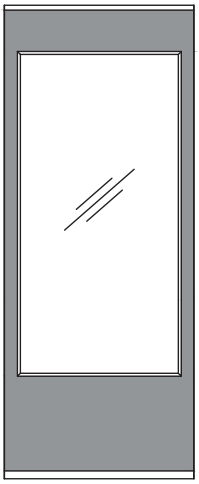
ELEVATION DETAILS





*OPTIONAL CLEAR TRANSOM
OVER INSET PASS DOOR FOR
PANEL HEIGHTS OVER 10'-5 7/16" [3186]





Ⓐ EXPANDER PANEL

Ⓑ INSET PASS DOOR, AVAILABLE FOR PANEL HEIGHTS OVER 7'-8" [2337]
OPTIONAL PANIC HARDWARE, OPTIONAL CLEAR TRANSOM*

Ⓒ COMMUNICATING PANEL, CAN BE USED AS CLOSURE
METHOD IN LIEU OF EXPANDER PANEL

Ⓓ OPTIONAL OPERABLE BOTTOM SEALS
REQUIRES LARGER BOTTOM RAIL AND HORIZONTAL MULLION

Ⓔ OPTIONAL AUTOMATIC BOTTOM SEALS
REQUIRES LARGER BOTTOM RAIL

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

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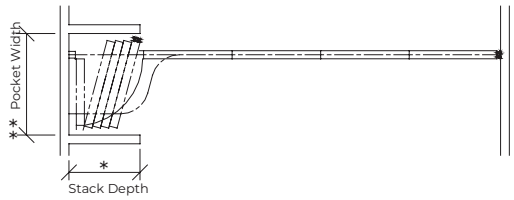
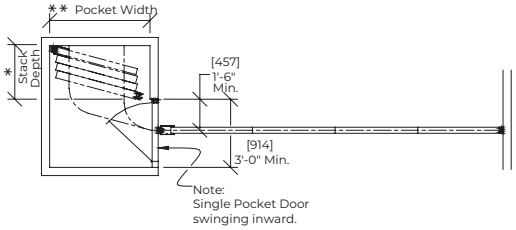
STACKING CONFIGURATIONS



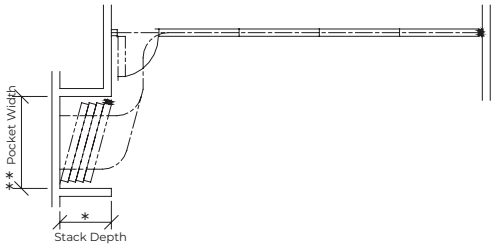
Standard Perpendicular Stack

Perpendicular stacking allows individual panels to be located at one or both ends and stored perpendicular, at a 70° angle, to the wall's installed position.



Optional Parallel Stack

In contrast to perpendicular stacking, Individual Panel arrangements may also be stored parallel, at a 20° angle, to the wall's installed position, at one or both ends.



Optional Remote Stack

For more complex wall system layouts, or when space or other room constraints dictate, Individual Panels may be located remotely from the wall's installed position. Panels stored in a remote location will stack at a 20° angle from the back wall of the pocket.

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. Atlas 38 STC – Individual Panels / Curve & Diverter panels require an average stack depth of 3¼" [83] per panel. To determine the stack depth, calculate as follows.

Number of Panels x 3¼" [83]

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

- Expander Panel Closure or Pass Door Panel: 3/4" [19]
- Hinged Panel(s) Closure: 4" [102]
- Pocket Door(s): 6" [152]

**Note: For wall systems that include Pocket Doors, please reference KWIK-WALL's " 2000 Series Pocket

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. Pocket width may be calculated as follows:

If Adjustable or Operable Bottom Seals are specified:

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

If Automatic Bottom Seals are specified:

Widest Panel + 10" [254]
(for actuator clearance on one side)

plus

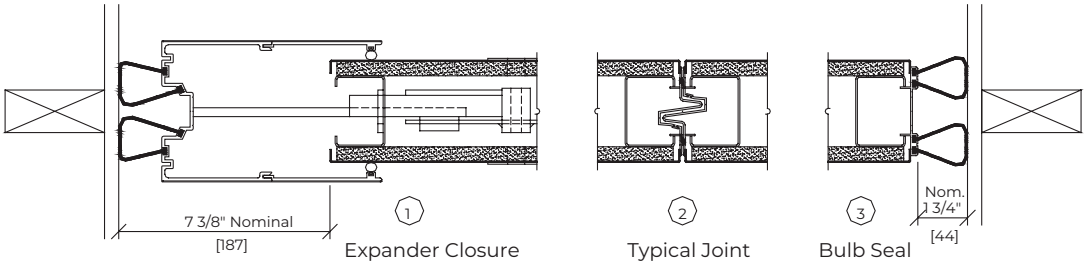
3½" [89]
(for hand clearance on the other side)

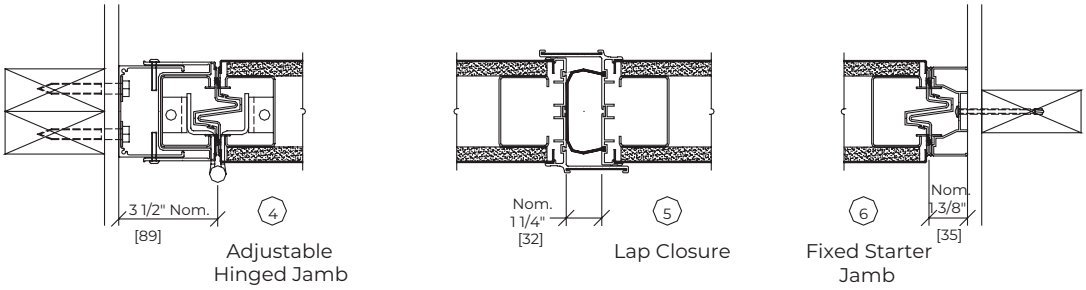
Dimensions in [ ] are millimeters. Visit Kwik-Wall.com for additional product information and to connect with your authorized Kwik-Wall distributor.

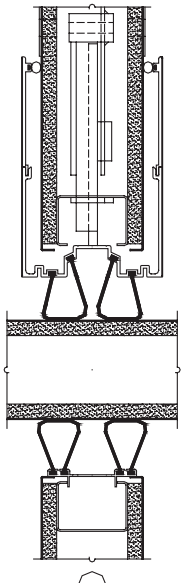
ATLAS™ – Individual, Curve and Diverter Panels, 38 STC

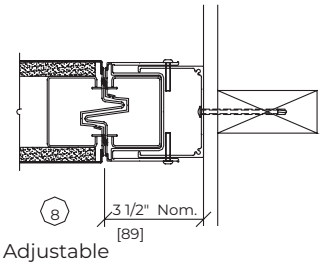
SECTION 10 22 39 FOLDING PANEL PARTITIONS
SECTION 10 22 39.13 FOLDING GLASS-PANEL PARTITIONS

HORIZONTAL TRIMLESS DETAILS









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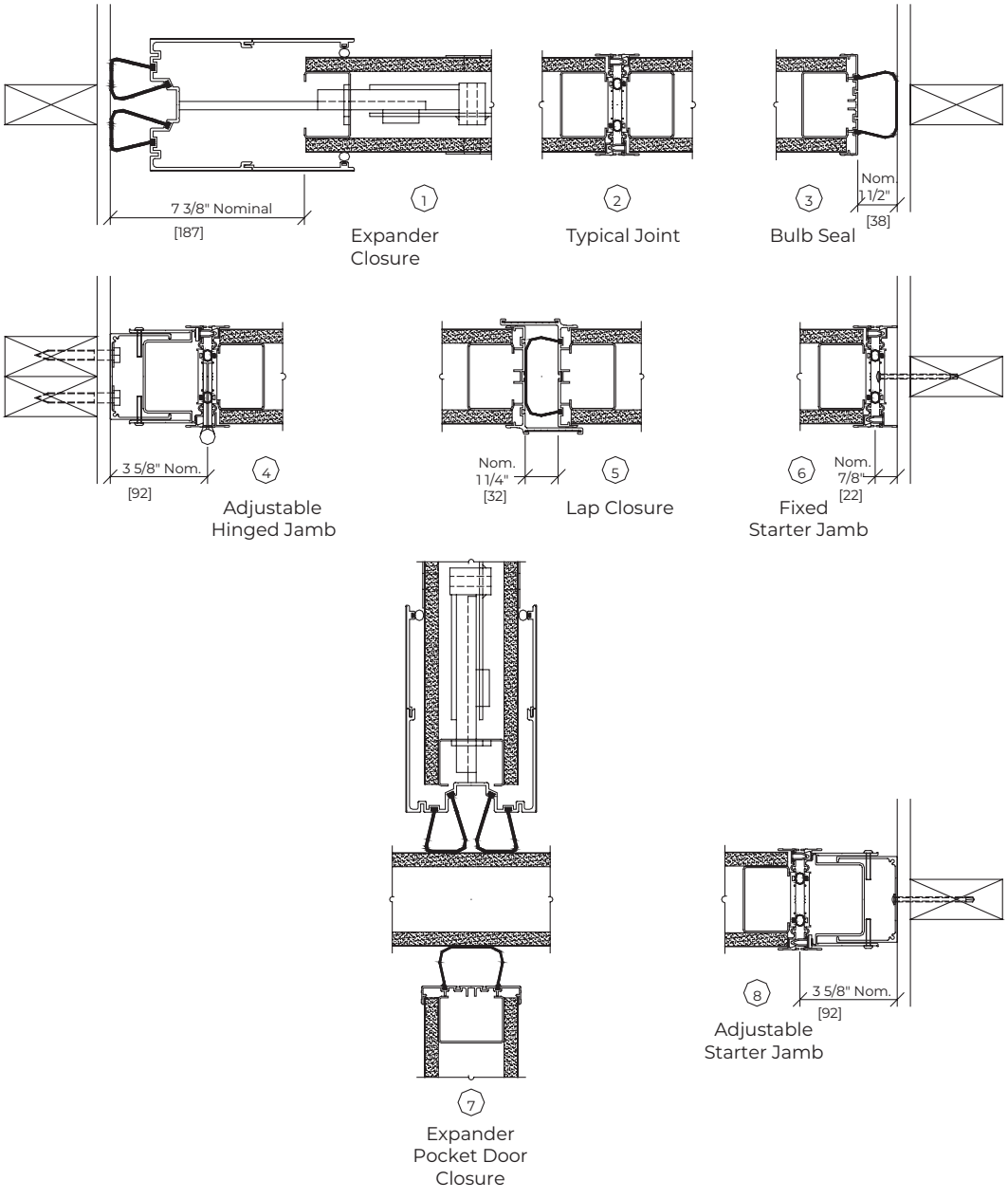
ATLAS™ – Individual, Curve and Diverter Panels, 38 STC

SECTION 10 22 39 FOLDING PANEL PARTITIONS
SECTION 10 22 39.13 FOLDING GLASS-PANEL PARTITIONS

HORIZONTAL CAP-TYPE VERTICAL ASTRAGAL DETAILS



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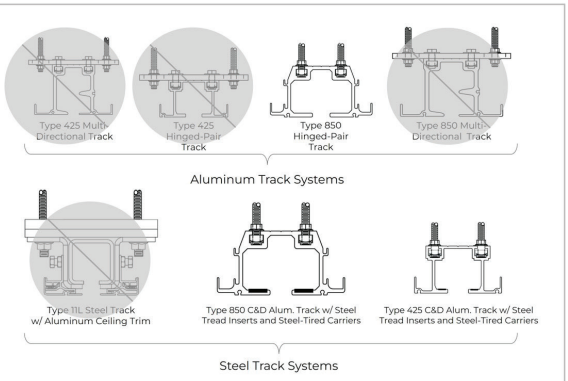
ATLAS™ – Individual, Curve and Diverter Panels, 38 STC

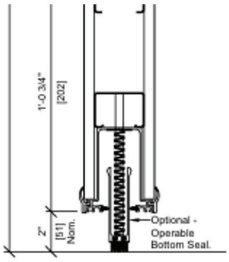
SECTION 10 22 39 FOLDING PANEL PARTITIONS
SECTION 10 22 39.13 FOLDING GLASS-PANEL PARTITIONS

VERTICAL DETAILS

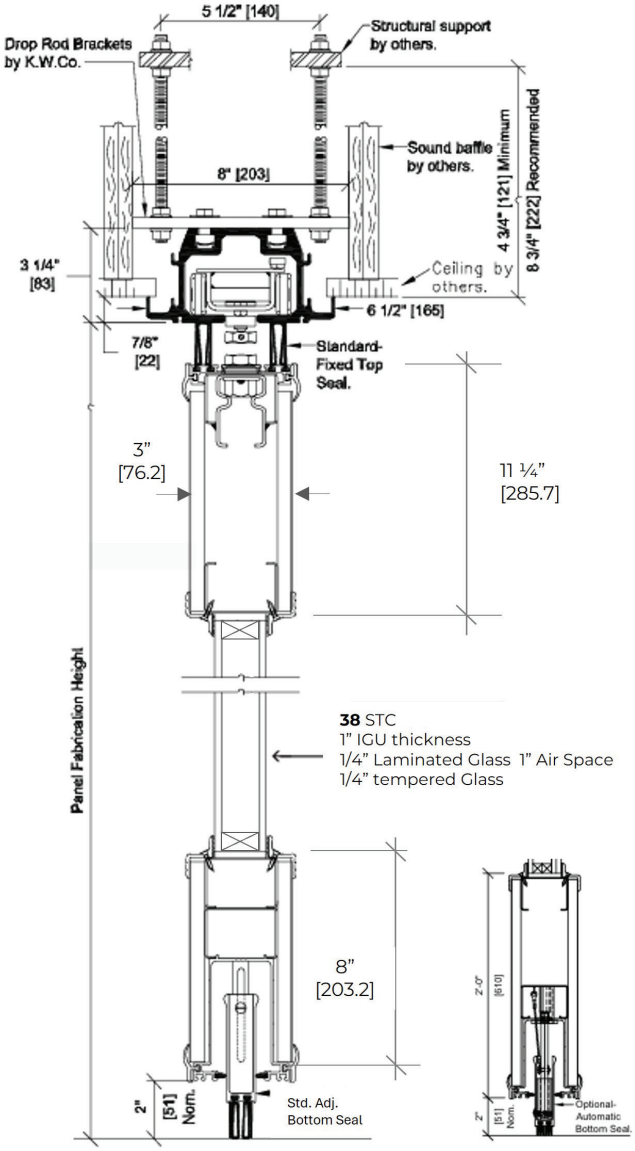


Atlas – Available Track - Individual Panels Curve and Diverter

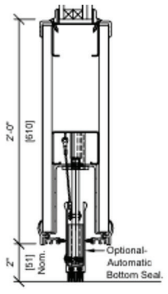
Track mount to slotted sq. nut raceway



Optional Operable Bottom Seal



850 Curve & Diverter Track & Carriers



Optional Automatic Bottom Seal

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