



## CLEAR-DIVISIONS CENTERFOLD

### Introduction:

The following three (3) part specification offers the Standard and *Optional* features for the CLEAR-DIVISIONS CENTERFOLD moveable glass wall system. The yellow highlighted areas in the specification indicate an *Optional* selection that is available based on your project requirements.

In order to assist you with the design criteria KWIK-WALL has provided a Product Guide for the CENTERFOLD moveable glass wall system.

The Product Guide indicates the stack arrangements, perimeter trim and seals, final closures available, and also establishes the maximum partition height and width.

CENTERFOLD Product Selection Guide							
Model	Operation	Stack Arrangement	Glass	Vertical Trim and Seals	Final Closure Option	Maximum Panel Height	Maximum Wall Width*
CENTERFOLD	Continuously Hinged Panels	Center Stack	Standard: Clear <i>Optional: Etched, Decorated, Patterned or Berman editions</i>	Trimless	Half Panel (Top and Bottom Pivot)	8'-6 3/4" (2.61 m)	16'-6 7/16" (5.04 m)

\* Maximum Single Wall Width 16'-6 7/16" (5.04 m). Maximum Bi-Stacking Wall Width is 33'-0 7/8" (10.08 m).

## CLEAR-DIVISIONS CENTERFOLD Product Specification

### PART 1 – GENERAL SPECIFICATIONS

#### 1.01 WORK INCLUDED

- A. Moveable glass 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 moveable glass wall shall be designed, installed, and pre-punched by others, in accordance with ASTM E 557 and manufacturer's shop drawings.
- B. Opening Preparation: Proper and complete preparation of the moveable glass 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 moveable glass wall. Refer to a copy of the shop drawings for additional details.

### 1.03 SYSTEM DESCRIPTION

- A. The moveable glass wall system shall consist of Continuously Hinged Panels that are manually operated and top supported by one (1) carrier in every other panel.
- B. The moveable glass wall system shall consist of nominal 3/8" [10] thick tempered glass panels suspended from a continuous aluminum glass retainer located at the top and bottom of each panel.

### 1.04 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified in writing by the moveable glass wall manufacturer as qualified to install the manufacturer's systems for work similar in material, design, and extent to that indicated for this project.
- B. The moveable glass wall panel shall utilize clear tempered glass per ASTM C 1048-04.
- C. The moveable glass wall shall be installed by the manufacturer's authorized distributor in accordance with ASTM E 557.

### 1.05 REFERENCES

- A. ASTM C 1036-01: Standard Specification for Flat Glass.
- B. ASTM C 1048-04: Standard Specification for Heat Treated Flat Glass.
- C. ASTM E 557: Architectural Application and Installation of Operable Partitions.

### 1.06 SUBMITTALS

- A. Manufacturer shall provide written technical information and related detail drawings, which demonstrate that products comply with contract documents for each type of moveable glass wall system 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 written instructions specifying the proper operation and maintenance of the moveable glass wall system.
- D. Manufacturer shall provide a color selector demonstrating the manufacturer's selections of the specified hardware finish.

### 1.07 DELIVERY, STORAGE AND HANDLING

- A. Panels shall be shipped in a completely enclosed wooden crate with high-density polystyrene blocks positioned between each panel to protect glass and hardware 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 suspended track system for Drop Rod Mounting, as required for the fabrication and installation of structural overhead support by others.
- B. Track Installation: Scheduling of moveable glass wall track installation shall occur after structural overhead support has been properly and completely fabricated and installed by others.
- C. Panel Installation: Moveable glass 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

- A. Manufacturer shall warrant each moveable glass wall system and its hardware components to be free from defects in material and workmanship for a period of two (2) years from the date of delivery to the original

purchaser, when installed by an authorized KWIK-WALL distributor. (Glass is specifically excluded from the warranty.)

## PART 2 – PRODUCT SPECIFICATIONS

### 2.01 ACCEPTABLE MANUFACTURER

- A. Moveable glass walls shall be CLEAR-DIVISIONS CENTERFOLD Continuously Hinged Panels as manufactured by KWIK-WALL Company.

### 2.02 PANEL CONSTRUCTION

- A. Panel Dimensions: Standard panel dimension shall be a nominal 1 7/16" [36.5] thick.
- B. Horizontal Top and Bottom Rails: Top and bottom rails shall be continuous one-piece extrusions manufactured of structural grade aluminum as engineered by HAWA®. Rails shall utilize a cam lock feature to provide positive mechanical attachment to glass. (Passive friction type or adhesive applied rails shall not be allowed for safety reasons.) Horizontal top rail on each panel containing a carrier shall include a stopper to prevent the glass wall panels from over-closing. Each bottom rail shall utilize an operable floor lock operated by a thumb turn that engages a recessed spring loaded dust-proof strike to provide stability and security when the moveable glass wall system is extended.
- C. Optional Bottom Rail Locking System: Optional keyed / thumb turn locks shall be provided with key operation on both sides or key operation on one (1) side and thumb turn operation on opposite side.
- D. Glass: Panels shall be glazed with 3/8" [10] tempered glass that is manufactured in accordance with ASTM C1036-01, ASTM C1048-04 and ANSI Z97.1. Glass Finish shall be (select):
1. *Standard Clear*: consisting of 3/8" [10] clear tempered glass.
  2. *Optional Clear Satin Etched*: consisting of 3/8" [10] translucent tempered glass.
  3. *Optional Decorated or Patterned*: consisting of 3/8" [10] tempered glass decorated or patterned as selected by designer.
  4. *Optional Berman editions*: consisting of 3/8" [10] textured tempered glass with repeating pattern every 27" [685.8]. Texture shall be (select):
    - a. *esto*: directional texture, multi-directional, random, horizontal forms across a lightly brushed background.
    - b. *être*: organic texture inspired by the natural markings found in granite.
    - c. *ima*: linear design with 1/8" [3.2] thick freehand lines every 1/2" [12.7] on a light être texture background.
    - d. *aquí*: organic texture with freehand vertical markings.
- E. Panel Weight: Maximum panel weight shall not exceed 176 lb. (80 kg) calculated at 7.4 lb. / ft.<sup>2</sup> (36.1 kg / m<sup>2</sup>).
- F. Hinges: Panel hinges shall be architectural grade, full leaf butt type, with a Dull Chrome finish.

### 2.03 OPERATION

- A. Operation shall be Continuously Hinged Panels, consisting of panels hinged forming a continuous panel train. Panels are top supported by one (1) carrier in every other panel.
- B. Moveable glass wall panels shall be extended / retracted utilizing specific type pull handles strategically located on glass panels. (Refer to Part 2.05 "B. Pull Handle Finish".)

### 2.04 STACK ARRANGEMENTS

- A. Stack Type: Panel storage configuration shall be Center Stack, consisting of panels stacked on center to the wall's installed position.
- B. Stack Quantity: Panels shall be stored at (select):
1. *Standard One (1) End*: on one (1) end of the wall run.
  2. *Optional Both Ends*: on both ends of the wall run.

## 2.05 FINISHES

- A. Hardware Finish: Panel horizontal rails shall be finished of (select):
1. *Standard Finish:* Clear Anodized Brushed Aluminum.
  2. *Optional Finish:* Stainless Steel Satin Effect.
- B. Pull Handle Finish: Handle shall have a Stainless Steel Satin finish.

## 2.06 PERIMETER TRIM AND SEALS

- A. Trim and Seals shall consist of (select):
1. *Standard Trimless:* consisting of 3/8" [10] tempered glass with a sanded / beveled edge, resulting in a minimal groove appearance between adjacent glass panels.
  2. *Optional Horizontal Top and Bottom Brush Seals:* consisting of continuous contact black nylon brush seals provided on both sides of each panel.

## 2.07 CLOSURE SYSTEMS

- A. Initial Closure System: The lead panel (the first panel exiting the stack) shall intersect vertically against a rigid wall surface, as accomplished by a lead panel that does not use any vertical jamb to affect initial closure, and shall contain a pull handle on both sides. (Refer to Part 2.05 "B. Pull Handle Finish".)
- B. Final Closure System: The final closure panel (the last panel at the stack end) shall provide a method for affecting final closure of the moveable glass wall system. The final closure panel shall be accomplished by a half panel which has a top and bottom pivot that allows the panel to pivot and be used to affect final closure, and shall contain a pull handle. (Refer to Part 2.05 "B. Pull Handle Finish".)

## 2.08 PANEL ACCESSORIES

- A. Accessories including Floor Guide Channel, Fixed Pivot or Fixed Swing panel shall be compatible with other accessories and options, furnished and installed by the moveable glass wall manufacturer as noted on submitted shop drawings.
1. *Floor Guide Channel:* consisting of a clear anodized extruded aluminum channel recessed flush with finished floor to provide additional stability to panels as they are moved in and out of their storage location. (Bottom of each panel shall contain a bottom guide pin traveling in the recessed floor guide channel.)
  2. *Optional Fixed Pivot Panel:* consisting of a panel utilizing top and bottom pivots allowing the panel to pivot and be used to affect the final closure and provide access through the moveable glass wall. Both sides of the Fixed Pivot Panel shall contain a pull handle. (Refer to Part 2.05 "B. Pull Handle Finish".)
  3. *Optional Fixed Swing Panel:* consisting of a panel utilizing a top pivot and bottom self-closing unit recessed into the floor, and providing access through the moveable glass wall. Both sides of the Fixed Swing Panel shall contain a pull handle. (Refer to Part 2.05 "B. Pull Handle Finish".)

(Note: If optional Fixed Pivot Panel or Fixed Swing Panel is selected, panel must be located at the end opposite the stack area.)

## 2.09 TRACK SYSTEM

- A. Aluminum Track: The CENTERFOLD track system shall be extruded of structural grade aluminum alloy, as engineered by HAWA<sup>®</sup>, and finished in anodized clear satin finish, which resists color fading and flaking. Track shall be reinforced overhead by heavy-duty steel Drop Rod Brackets. Each Drop Rod Bracket shall have a pair of steel all-rods extending to the overhead structural support.

## 2.10 CARRIER SYSTEM

- A. Carrier: Every other panel shall be top supported by one (1) carrier utilizing a 3/8" [10] diameter pendant bolt. Each carrier shall consist of four (4) permanently-lubricated, ball bearing steel wheels with high-density polymer tires, as required for ease of panel movement.

## 2.11 SUSPENSION SYSTEMS

- A. Mounting Systems: The CENTERFOLD track system shall be supported by (select):
1. *Standard Drop Rod Bracket Mount:* consisting of steel Drop Rod Brackets with drop rods, consisting of adjustable rods of grade 2, 3/8" [10] diameter threaded steel all-rod provided with 3/8" [10] serrated steel nuts.

2. *Optional Direct Mount:* consists of #16 x 3" [76] wood screws for attachment to a level overhead structural (wood) support.

## **PART 3 – EXECUTION**

### **3.01 INSPECTION**

- A. Proper and complete preparation of the moveable glass 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.
- B. Deficiencies in the moveable glass wall opening shall be corrected by others prior to installation of the moveable glass wall system.

### **3.02 INSTALLATION**

- A. The moveable glass wall system shall be installed by manufacturer's authorized distributor.
- B. The moveable glass 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 moveable glass wall panels and track system shall be adjusted and cleaned in accordance with manufacturer's written instructions.

### **3.04 PROTECTION**

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

### **3.05 DEMONSTRATION**

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

#### **For additional information contact:**

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#### **Note:**

Due to ongoing research and development, some variations may occur in product specifications.

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