

## Series 3000 Pocket Doors

### Introduction:

The following three (3) part specification offers the Standard and *Optional* features for the Series 3000 Pocket Doors. 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 Selection Chart for the Series 3000 Pocket Doors.

The Product Guides indicate the (nominal) Panel Thickness, Maximum Panel Weight and Maximum Pocket Door Height.

SERIES 3000 POCKET DOOR PRODUCT GUIDE Standard Steel Skin Construction			SERIES 3000 POCKET DOOR PRODUCT GUIDE Optional Acoustical Substrate Construction		
PANEL THICKNESS (nominal)	MAXIMUM PANEL WEIGHT lb. / ft. <sup>2</sup> *	MAXIMUM POCKET DOOR HEIGHT	PANEL THICKNESS (nominal)	MAXIMUM PANEL WEIGHT lb. / ft. <sup>2</sup> *	MAXIMUM POCKET DOOR HEIGHT
3 5/8" [92]	8.5 (41 kg/m <sup>2</sup> )	24'-2" (7.37 m)	3 5/8" [92]	5.9 (29 kg/m <sup>2</sup> )	16'-2" (4.93 m)
3 5/8" [92]	9.5 (46 kg/m <sup>2</sup> )	22'-2" (6.76 m)	3 5/8" [92]	6.6 (32 kg/m <sup>2</sup> )	16'-2" (4.93 m)
3 5/8" [92]	12.9 (63 kg/m <sup>2</sup> )	16'-2" (4.93 m)	3 5/8" [92]	7.5 (37 kg/m <sup>2</sup> )	16'-2" (4.93 m)
			3 5/8" [92]	9.0 (44 kg/m <sup>2</sup> )	16'-2" (4.93 m)

\*KWIK-WALL recommends fabricating pocket door(s) to the same **Maximum Panel Weight** as the operable wall system.

Note: Optional Wood Veneer or High Pressure Laminate only available as Acoustical Substrate

The Pocket Door Selection Chart determines the Maximum Pocket Door opening width and Panel Fabrication Height.

SERIES 3000 - POCKET DOOR SELECTION CHART												
POCKET DOOR TYPE	MAXIMUM POCKET DOOR OPENING WIDTH	PANEL FABRICATION HEIGHT**										
		Up to 8'-2" (2.49 m)	Up to 9'-2" (2.79 m)	Up to 10'-2" (3.10 m)	Up to 11'-2" (3.40 m)	Up to 12'-2" (3.71 m)	Up to 13'-2" (4.01 m)	Up to 14'-2" (4.32 m)	Up to 15'-2" (4.62 m)	Up to 16'-2" (4.93 m)	Up to 22'-2" (6.76 m)	Up to 24'-2" (7.37 m)
Bi-Fold w / Bulb Seal	5'-0" (1.52 m)											Not Available
Double w / Expander	6'-8" (2.03 m)											
Double w / Lap Trim	6'-8" (2.03 m)											
Single w / Bulb Seal	3'-5" (1.04 m)											
Single w / Expander	3'-11" (1.19 m)											

\*\*Maximum Panel Fabrication Height is 12'-2" (3.71 m) for Model 3040 Continuously Hinged / Manual partition and Bi-Fold pocket doors.

# Series 3000 Pocket Door Product Specification

## PART 1 – GENERAL SPECIFICATIONS

### 1.01 WORK INCLUDED

- A. Pocket Door(s) 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. Insulation: Sound insulation and baffles for the plenum area above the pocket door(s), under the permanent floor, inside air ducts passing over or around the pocket door(s), and in permanent walls adjoining the pocket door(s) shall be by others, in accordance with ASTM E 557.
- B. Opening Preparation: Proper and complete preparation of the pocket door 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 and the painting and finishing of trim and other materials adjoining the head and jamb areas of the pocket door(s). Any permanent wall(s) receiving an adjustable hinged 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 pocket door(s) shall consist of Individual Panel(s) or two (2) panels hinged together that are manually operated and hinged permanently and directly to a structural wall surface.
- B. The pocket door(s) shall consist of acoustically rated panels constructed of the same panel construction as the operable wall system.

### 1.04 QUALITY ASSURANCE

- A. The pocket door(s) panel construction and finish materials shall consist of Class A rated materials in accordance with ASTM E84.
- B. The pocket door(s) shall be installed by the manufacturer's authorized distributor in accordance with ASTM E 557.

### 1.05 REFERENCES

- A. ASTM E 557: Architectural Application and Installation of Operable Partitions.
- B. ASTM E 84: Surface Burning Characteristics of Building Materials.
- C. ASTM A 653: Specification for General Requirements for Steel Sheet, Alloy-Coated (Galvannealed) by the Hot Dip Process.
- D. ASTM C 423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- E. CCC-W-408A: Federal Specification which applies to Vinyl Coated Wall Coverings.
- F. CFFA-W-101-D: Chemical Fabrics and Film Association Quality Standard for Vinyl Coated Fabric Wall Coverings.

### 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 pocket door(s) specified.
- B. Manufacturer shall provide detailed engineering drawings featuring panel elevation, horizontal and vertical details as required.
- C. Manufacturer shall provide written instructions specifying the proper operation and maintenance of the pocket door(s) system.

- D. 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. Pocket Door(s) shall be individually wrapped in a protective plastic covering to keep panels clean during delivery, storage and handling.
- B. Pocket Door(s) 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. Pocket Door(s) Installation: Pocket Door(s) 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 pocket door(s) 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. (Contact your local KWIK-WALL distributor or KWIK-WALL Company for complete warranty information.)

## PART 2 – PRODUCT SPECIFICATIONS

### 2.01 ACCEPTABLE MANUFACTURER

- A. Pocket Doors shall be Series 3000 as manufactured by KWIK-WALL Company.

### 2.02 PANEL CONSTRUCTION

- A. Panel Dimensions: Standard panel dimension shall be a nominal 3 5/8" [92] thick.
- B. Panel Frame: Steel frame shall be 16-gauge galvalneal 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 minimum 22-gauge tension-leveled galvalneal 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 particle 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: 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. Panel Weight: Maximum panel weight shall be 5.9 – 12.9 lb. / ft.<sup>2</sup> (29 – 63 kg / m<sup>2</sup>) depending on size and options selected.

### 2.03 OPERATION

- A. Operation shall consist of an individual panel or panels hinged together in groups of two (2) and hinged to an adjustable jamb. Pocket doors shall be manually operated and capable of swinging 180° to allow sufficient

clearance for the operable wall panels. One (1) pocket door panel shall contain a flush pull handle and surface mounted footbolt with strike plate.

## 2.04 FINISHES

- A. Finish Material Type: Pocket Door finish material shall be Class A (except wood veneer and high pressure laminate) 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 / lin. m). Basics Carpet shall achieve a minimum NRC (Noise Reduction Coefficient) rating of .25 (applied over gypsum substrate) in 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 .20 (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 general purpose plastic laminate pressure bonded to 1/2" [12.7] particle board core, and vertically edge banded if Trimless astragals are specified.  
(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 wallcovering 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 operable wall manufacturer. 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.

## 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. *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.
  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.

**Note:** *Optional Cap-type Astragal* is not available for Model 3050 Electrically Operated Walls.

- 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 *Fixed* consisting of continuous-contact flexible vinyl, sealing against the pocket door header trim.
- C. Horizontal Bottom Trim and Seals: Bottom seals shall consist of a single finger of flexible vinyl sweep seal installed on both sides of the panel. Bottom seal type shall be *Fixed* consisting of continuous-contact flexible vinyl, sealing against various floor surfaces.
- D. Pocket Door Header Trim: Header trim shall be extruded from aluminum alloy, which prohibits deterioration caused by rust or corrosion. Header Trim shall be attached to the finished ceiling directly above the pocket door(s), providing a flush surface for the *Fixed* top seals to contact.
- E. 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 POCKET DOOR CLOSURES

- A. Pocket Door Types: Each pocket door configuration shall be hinged to an adjustable 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 jamb shall incorporate a tongue-and-groove-type vertical astragal for positive interlocking with a pocket door panel. To stabilize the pocket door(s) a surface mounted footbolt shall be furnished by the operable wall manufacturer and installed by others in the field. The pocket door configuration shall be (select):
  1. *Bi-Fold Doors w/ Bulb Seal*: consisting of a pair of panels hinged together and hinged to an adjustable jamb. The lead panel shall contain flexible vinyl bulb seals installed along the vertical edge of the lead panel for positive compression against a rigid wall surface. A roller support caster located at the bottom of one (1) panel shall be included to provide additional support for the pocket doors. (Note: This type of pocket door is normally used with a Model 3020 or 3020WT operable wall system utilizing a perpendicular stack unit.)
  2. *Single Door w/ Bulb Seal*: consisting of a single panel hinged to an adjustable jamb. The lead edge of the panel shall contain flexible vinyl bulb seals installed along the vertical edge creating a positive compression against a rigid wall surface. (Note: This type of pocket door is normally used with a Model 3020 or 3020WT operable wall system utilizing a parallel or remote stack unit.)
  3. *Single Door w/ Expander*: consisting of a single panel hinged to an adjustable jamb. The lead edge of the panel shall contain 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. (Note: This type of pocket door is normally used with a Model 3020 or 3020WT operable wall system utilizing a parallel or remote stack unit.)
  4. *Double Doors w/ Lap Trim*: consisting of two (2) individual panels with each panel being hinged to an adjustable jamb. The lead edge of each panel shall contain a lap type extrusion that overlaps with the other one, creating a shiplap joint. (Note: This type of pocket door is normally used with a Model 3030 operable wall system utilizing a center type stack arrangement or Model 3020 or 3020WT remote stack unit.)
  5. *Double Doors w/ Expander*: consisting of two (2) individual panels with each panel being hinged to an adjustable jamb. The lead edge of one (1) panel shall contain 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 lead edge of the adjacent panel shall contain flexible vinyl bulb seals installed along the vertical edge for positive compression against the face of the operable wall panel. (Note: This type of pocket door is normally used with a Model 3030 or 3040 operable wall system utilizing a center type stack arrangement.)
  6. *Double Doors w/ Expander and Interlock Switches*: consisting of two (2) individual panels with each panel being hinged to an adjustable jamb. The lead edge of one (1) panel shall contain 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 lead edge of the adjacent panel shall contain flexible vinyl bulb seals installed along the vertical edge for positive compression against the face of the operable wall panel. Each pocket door shall contain an electric Interlock Switch to prevent the operator from running until the pocket doors have been opened up 180°. (Note: This type of pocket door is used with Model 3050 electrically operated wall system utilizing a center type stack arrangement.)

**Note:** Pocket doors require additional depth and width to the stack area.

## **2.08 ACOUSTICAL PERFORMANCE**

- A. Certification: The pocket door(s) shall be of the same panel construction as the operable wall panels.

## **2.09 POCKET DOOR ACCESSORY**

- A. Accessory includes Keyed Cylinder Lock with adjustable concealed vertical rod interfacing with strike plate attached to finished floor. Lock unit shall be capable of receiving a master cylinder, furnished by others and installed by the operable wall manufacturer as noted on submitted shop drawings.

# **PART 3 – EXECUTION**

## **3.01 INSPECTION**

- A. Proper and complete preparation of the pocket door 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 pocket door(s).
- B. Deficiencies in the pocket door opening shall be corrected by others prior to installation of the pocket door(s).

## **3.02 INSTALLATION**

- A. The pocket door(s) shall be installed by manufacturer's authorized distributor.
- B. The pocket door(s) 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 pocket door(s) shall be adjusted and cleaned in accordance with manufacturer's written instructions.

## **3.04 PROTECTION**

- A. The pocket door(s) shall be stored in the "extended" 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 pocket door(s) to the owner's representative.

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

KWIK-WALL Company  
1010 East Edwards Street  
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](http://www.kwik-wall.com)

Email: [kwinfo@kwik-wall.com](mailto:kwinfo@kwik-wall.com)

### **Note:**

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

05/13