



# AIA Specification Guide for ZWall Product

**SECTION 10615  
DEMOUNTABLE PARTITIONS  
(MOVEABLE PARTITIONS)**

**PART 1 - GENERAL**

**1.01 SUMMARY**

- A. Moveable Partitions
- B. Related Sections:
  - 1. Doors: Division 8 Doors
  - 2. Door Hardware: Division 8 Hardware
  - 3. Glass/Glazing: Division 8 Glazing
  - 4. Ceiling System: Division 9
  - 5. Carpet: Division 9

**1.02 SYSTEM DESCRIPTION**

- A. Performance Requirements: Provide moveable partitions which have been manufactured, fabricated and installed to maintain performance criteria stated by manufacturer without defects, damage, or failure.
- B. Modular Construction: Moveable partition system shall be fully modular with flat panel surfaces and tight, straight line joints. Partition construction shall permit 2-way, 3-way, 4-way and corner intersections to be made at any joint location; and shall permit the removal of any panel or door frame unit without disturbing adjacent units. Units of like size shall be completely interchangeable. Installation shall be free of exposed screws, nuts, rivets, or bolts.
- C. Panel Tiles: Moveable partition system shall allow for panel tiles to be removeable and panels of equal size to have tiles interchangeable.

**1.03 SUBMITTALS**

- A. General: Provide listed submittals in accordance with *Conditions of the Contract* and Division 1 Submittal Procedures Section.
- B. Product Data: Submit product data for specified products.
- C. Shop Drawings: Submit shop drawings showing layout, profiles, and product components including anchorage, accessories, finish colors, patterns and textures.
  - 1. Shop drawings shall indicate partition layout, including doors and hardware, elevation, finish, and any special conditions. Shop drawings shall be submitted and approved before fabrication and assembly of materials.
- D. Samples: Submit selection and verification samples of finishes, colors, and textures.
- E. Quality Assurance Submittals:

1. Test Reports: Certified test reports showing compliance with specified performance characteristics and physical properties.
  - a. ASTM E90-04 *Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions*
  - b. ASTM E84-04 *Standard Test Method for Surface Burning Characteristics of Building Materials*
  - c. ANSI/BIFMA x5.6-2003, Section 6.2 *Panel System Strength Test - Static Function Load*
  - d. ANSI/BIFMA x5.6-2003, Section 6.3 *Panel System Strength Test - Static Proof Load*
2. Certificates: Product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria, and physical requirements.
3. Manufacturer's Instructions: Manufacturer's Installation Instructions
4. Manufacturer's Field Reports: Manufacturer's field reports specified herein.

F. Closeout Submittals:

1. Operation and Maintenance Data: Operation and maintenance data for installed products in accordance with Division 1 Closeout Submittals (Maintenance Data and Operation Data) Section. Include methods for maintaining installed products, and precautions against cleaning materials and methods detrimental to finishes and function.
2. Warranty: Warranty documents specified herein.

#### 1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Installer experienced in performing work of this section who has specialized in installation of work similar to that required for this project.
- B. Pre-Installation Meetings: Conduct pre-installation meetings to verify project requirements, site conditions, manufacturer's installation instructions, and manufacturer's warranty requirements. Comply with Division 1 Project Management and Coordination (Project Meetings) Section.

#### 1.05 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 1 Product Requirements Sections.
- B. Ordering: Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Storage and Protection: Store materials protected from exposure to harmful weather conditions and at temperature and humidity conditions recommended by manufacturer.

## 1.06 PROJECT CONDITIONS

- A. Field Measurements: Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

## 1.07 WARRANTY

- A. Project Warranty: Refer to *Conditions of the Contract* for project warranty provisions.
- B. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.
  - 1. Warranty Period: Limited lifetime warranty commencing on Date of Substantial Completion.

## 1.08 MAINTENANCE

- A. Extra Materials: As required, deliver to Owner extra materials from same production run as products installed. Package products with protective covering and identify with descriptive labels. Comply with Division 1 Closeout Submittals (Maintenance Materials) Section.
  - 1. Quantity: Furnish quantity of ZWall units equal to [Specify %] of amount installed.
  - 2. Delivery, Storage and Protection: Comply with Owner's requirements for delivery, storage and protection of extra materials.

## PART 2 - PRODUCTS

### 2.01 DEMOUNTABLE PARTITIONS

- A. Manufacturer: Transwall Office Systems, Inc.
  - 1. Contact: 1220 Wilson Drive  
PO Box 1930  
West Chester, PA 19380-0135  
1.800.441.9255  
610.429.1400  
610.429-1411 Fax

- B. Product: Transwall Moveable Partitions

- 1. ZWall: 3-11/16" (93.7 mm) thick panels. Ceiling and base trim shall overlap panel tiles.

### 2.02 PRODUCT SUBSTITUTIONS

- A. Substitutions: No substitutions permitted.

### 2.03 MANUFACTURED UNITS

- A. ZWall:
  - 1. Panel Connection: Cam connection at the top and bottom of universal frame consisting of 16-gauge steel uprights.

2. Construction: 3-11/16" (93.6 mm) thick panel manufactured with monolithic removeable 20-gauge steel tiles reinforced internally, with insulated panel cavity for sound control and integral concealed vertical slotting.
3. Panel Height: [Specify height from 7'6" to 12'0" (2.3 m to 3.66 m).]
4. Panel Widths: [Specify widths from 6" to 48" (152 mm to 1219mm) in 6" increments.] Special panel widths may be specified for special conditions.
5. Ceiling Channel: Continuous with removeable trim of an overlap design with a nominal height of 3.00" (76.2 mm) allowing for a panel height adjustment, from nominal, of +/-1.00" (25.4 mm).
6. Floor Channel: Shall be unitized per panel width and an integral part of the panel construction. Shall accommodate a continuous, removeable trim of an overlap design with a nominal height of 5.00" (127 mm) allowing for a panel height adjustment, from nominal, of +/-1.00" (25.4 mm).
7. Panel Types: [Specify full solid, segmented solid, full glass, segmented glass, clerestory, solid/glass combination or Traxx panels.]
  - a. Glass: [Specify glass type.]
8. Door Frames: Shall be of the same construction as the panel frame and shall have a continuous sound seal. Frames shall be reinforced and mortised for the specified hardware.
  - a. Function: [Specify butt hinge or sliding.]
  - b. Transom: [Specify full height (no transom), steel, or glass.]
  - c. Steel Transom Finish: [Specify paint, fabric, or vinyl.]
  - d. Glass Transom Finish: [Specify glass type.]
9. Doors: Shall be 1-3/4" (44.5 mm) thick, steel or solid core wood.
  - a. Construction: [Specify steel or solid core wood veneer.]
  - b. Type: [Specify flush, half glass, or full glass.]
  - c. Height: [Specify 7'0" (2.1 m) or full height.]
  - d. Finish: [Specify painted steel or wood, or wood veneer finish.]
10. Hinges: [Specify butt hinges.]
  - a. Butt Hinge Quantity:
 

Door Width	Door Height*	Hinge Quantity & Size
≤ 36.000"	≤ 84.000"	3 - 4.5" x 4.5" ball bearing hinges
≤ 36.000"	84.001" to 120"	4 - 4.5" x 4.5" ball bearing hinges
≥ 36.001"	≤ 84.000"	4 - 4.5" x 4.5" ball bearing hinges
≥ 36.001"	84.001" to 120"	5 - 4.5" x 4.5" ball bearing hinges
11. Locksets and/or Latch sets: [Specify manufacturers' standard to meet ADA requirements or specify to match Division 8 Hardware.]

## 12. Electrical / Data / Communication

- a. When required, provide a light switch adjacent to door jamb.
- b. Electrified panels shall be factory prepared / field installed for electric in the base raceway or at ADA and beltline heights. Universal frame verticals shall be punched to allow wires and cables to run between panels and connectors horizontally at 12" intervals. Panels shall accommodate electric hard-wired in the field or a modular 20 amp, 4 circuit 8/10 wire system. Pre-punched base trim shall be provided in 24" lengths. Base trim for hard-wired electric shall receive our standard cutout centered in trim. Base trim for modular system shall receive two cutouts spaced to match harness length. Mid-height raceway shall have two pre-punched cutouts for modular receptacles and one standard data cutout.

13. Finish Options: [Specify paint, fabric, vinyl, wood veneer (for wood wrapped trim option), COM, or custom.]

14. Fire Retardancy: Provide certification for Class A Fire Retardancy when tested in accordance with ASTM E84-04.

15. Sound Control: Provide certification for 47 STC rating when tested in accordance with ASTM E90-04.

16. Structural Performance: Provide certification complying with ANSI/BIFMA x5.6-2003 Mechanical Strength Tests.

## 2.04 ACCESSORIES

### A. Accessories:

1. When required, accommodate hang-on components from other manufacturers (overhead bins, shelves, and/or worksurfaces.)
2. Panels shall accommodate integrated Kimball Office Traxx<sup>®</sup> rail. The Traxx<sup>®</sup> rail will provide for seamless integration with Kimball Office Footprint components and Kimball Office systems panels.

## 2.05 SOURCE QUALITY

A. Source Quality: Obtain moveable partition products from a single manufacturer.

## PART 3 - EXECUTION

### 3.01 MANUFACTURER'S INSTRUCTIONS

A. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog, installation instructions, and product carton instructions for installation.

### 3.02 EXAMINATION

A. Site Verification of Conditions: Verify substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

### 3.03 INSTALLATION

#### A. Partition Installation:

1. When installed on carpet, carpet grippers shall be used in lieu of permanent floor fastening.
2. Attach partitions to ceiling grid with non-damaging clips, for the specified ceiling, where required.
3. Install light and sound seal foam tape above ceiling channels and behind wall channels.
4. Erect partitions in a rigid manner, straight and plumb, with all horizontal lines level.

#### B. Sequence of Operation: Install partitions after floor covering and ceiling are in place.

### 3.04 FIELD QUALITY REQUIREMENTS

#### A. Manufacturer's Field Services: Upon Owner's request, manufacturer's field service consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

1. Site Visits: [Specify number and duration of periodic site visits.]

### 3.05 CLEANING

#### A. Cleaning: Remove temporary coverings and protection of adjacent work areas. Repair or replace damaged installed products. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove construction debris from project site and legally dispose or recycle debris.

1. Touch-Up: Touch-up minor blemishes.

### 3.06 PROTECTION

#### A. Protection: Protect installed product and finish surfaces from damage during construction.