



KWIK-WALL

MOVEABLE WALL SYSTEMS

Model 208 & 212 Accordion Partitions

Introduction:

The following three (3) part specification offers the Standard and *Optional* features for the Model 208 & 212 Accordion Partitions. 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 Model 208 & 212.

The Product Guides indicate the acoustical ratings (STC) available, and also establishes the maximum partition height and width.

MODEL 208 PRODUCT GUIDE			
STC RATING	STACK WIDTH	MAXIMUM PARTITION HEIGHT	MAXIMUM PARTITION WIDTH *
Non-Rated	8 1/2" [216]	16'-0" (4.88 m)	60'-0" (18.3 m)
37	8 1/2" [216]	16'-0" (4.88 m)	60'-0" (18.3 m)
39	8 1/2" [216]	16'-0" (4.88 m)	60'-0" (18.3 m)

MODEL 212 PRODUCT GUIDE			
STC RATING	STACK WIDTH	MAXIMUM PARTITION HEIGHT	MAXIMUM PARTITION WIDTH *
Non-Rated	12 1/2" [318]	16'-0" (4.88 m)	60'-0" (18.3 m)
41	12 1/2" [318]	16'-0" (4.88 m)	60'-0" (18.3 m)
44	12 1/2" [318]	16'-0" (4.88 m)	60'-0" (18.3 m)

***Note:** Maximum partition span for *Single Partitions* is 30'-0" (9.1 m) or 60'-0" (18.3 m) for *Even Pair* partitions.

Model 208 & 212 Accordion Product Specification

PART 1 – GENERAL SPECIFICATIONS

1.01 WORK INCLUDED

- A. The accordion partition shall be furnished, installed and serviced by partition 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 accordion partition shall be designed and installed by others, in accordance with ASTM E557 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 accordion partition, and in permanent walls adjoining the partition shall be by others, in accordance with ASTM E557.
- C. Opening Preparation: Proper and complete preparation of the accordion partition opening shall be by others in accordance with ASTM E557, 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 accordion partition. Any permanent wall(s) receiving a fixed 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 accordion partition system shall consist of a continuous, manually operated, top supported partition as required for straight-run room division.
- B. The accordion partition shall be acoustically rated in accordance with ASTM E90 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. Acoustical Rating: The accordion partition shall have been tested in an independent acoustical testing laboratory in accordance with ASTM E90 and ASTM E413 test procedures.
- B. Firing Rating: The accordion partition and finish materials shall consist of Class A rated materials in accordance with ASTM E84.
- C. Installation: The accordion partition shall be installed by the manufacturer's authorized distributor in accordance with ASTM E557.
- D. Single Source Responsibility: Accordion and operable wall systems shall be supplied by a single source manufacturer.

1.05 REFERENCES

- A. ASTM E90: Laboratory Measurement of Airborne-Sound Transmission Loss of Building Partitions.
- B. ASTM E413: Determination of Sound Transmission Class (STC).
- C. ASTM E557: Architectural Application and Installation of Operable Partitions.
- D. ASTM E84: Surface Burning Characteristics of Building Materials.
- E. ASTM C423: Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
- F. CCC-W-408A-D: Federal Specification which applies to Vinyl Coated Wall Coverings.
- G. CFFA-W-101-B: 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 accordion partition specified.
- B. Manufacturer shall provide detailed engineering drawings featuring partition elevation, horizontal and vertical details as required.
- C. Manufacturer shall provide 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 accordion 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. Partitions shall be individually wrapped in a heavy corrugated paper covering to keep the partition clean during delivery, storage and handling.
- B. Partition shall be stored above the floor on cushioned blocking in a dry and ventilated area, protected from humidity and temperature extremes.

1.08 SEQUENCING / SCHEDULING

- A. Track Installation: Scheduling of accordion wall track installation shall occur after structural overhead support has been properly and completely fabricated and installed by others.
- B. Partition Installation: Accordion partition installation shall occur after fixed wall substrate construction is properly and completely installed by others, as required to protect partition from ongoing adjacent construction.

1.09 WARRANTY

- A. Manufacturer shall warrant each partition and its component parts to be free from defects in material and workmanship for a period of; one (1) year on the entire partition system, ten (10) years on the hinges, trolleys and trolley pins, and lifetime on the track system from the date of delivery to the original purchaser, when installed by an authorized KWIK-WALL distributor.

PART 2 – PRODUCT SPECIFICATIONS

2.01 ACCEPTABLE MANUFACTURER

- A. Accordion partition shall be Series 200, Model 208 or 212 as manufactured by KWIK-WALL Company.

2.02 PARTITION CONSTRUCTION

- A. Partition Dimensions: Maximum partition height shall be 16'-0" (4.88 m) and maximum span shall be 30'-0" (9.1 m) for Single partitions or 60'-0" (18.3 m) for Even Pair partitions.
 - 1. *Model 208*: with a stack width profile of 8 1/2" [216] and an extended width profile of 5" [127].
 - 2. *Model 212*: with a stack width profile of 12 1/2" [318] and an extended width profile of 7 1/4" [184].
- B. Partition Frame: Frame construction shall consist of 16-gauge steel pantograph hinge plates welded to .187" [4.75] diameter vertical steel rods. Hinge plates shall have built-in stops to prevent over-extension and spaced no greater than 48" (1.22 m) apart. Sound rated partitions shall include acoustical insulation and internal steel liners on both sides of the frame hinge plates to enhance acoustical performance. Internal steel liners shall be (select):
 - 1. *STC 37*: 26-gauge steel.
 - 2. *STC 39 and 41*: 22-gauge steel.
 - 3. *STC 44*: 18-gauge.

- C. Partition Cover: Two (2) partition covers consisting of laminated substrates shall be internally attached to the frame assembly. The covers shall provide a durable, impact-resistant and wrinkle-prevention construction, and shall be replaceable at the project site. Partition covers shall incorporate an air release system to allow air to escape from the partition interior when stacking the partition. Partition cover material shall be Class A rated in accordance with ASTM E84, factory applied and consist of (select):
1. *Standard Vinyl*: consisting of Type II, reinforced vinyl weighing 30 oz./lin. yd. (930 g/lin. m). Standard vinyl shall meet or exceed CCC-W-408A-D and CFFA-W-101-B quality standards.
 2. *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 rating of .60 in accordance with ASTM C423.
- D. Partition Weight: Maximum partition weight shall be 5.0 lbs./ft.² (24 kg/m²) depending on STC rating, size and options selected. Partitions with 44 STC rating will weigh up to 7.0 lbs./ft.² (34 kg/m²).

2.03 OPERATION

- A. Accordion partition shall be manually operated and top supported. Operation type shall be (select):
1. *Standard Single Operation*: consisting of one (1) continuous partition, as required for a maximum partition span of 30'-0" (9.1 m).
 2. *Optional Even Pairs Operation*: consisting of two (2) separate partitions. The Even Pairs shall be bi-parting and adjoin in the center of the partition run, as required for a maximum partition span of 60'-0" (18.3 m).
 3. *Optional Uneven Pairs Operation*: consisting of two (2) separate partitions of unequal size. The Uneven Pairs shall be bi-parting and adjoin at a specified point along the partition run, as indicated on approved shop drawings.

2.04 STACK ARRANGEMENTS

- A. Stack Type: Accordion partition storage shall be accomplished by (select):
1. *Standard Perimeter Stack*: as required for applications whereby the partition shall be stacked along the perimeter of the room in which it is used.
 2. *Optional Recessed Stack*: as required for applications whereby the partition shall be stacked within a recessed pocket at one (1) or both ends of the partition run.
 3. *Optional Combination Stack*: as used in conjunction with Even or Uneven Pairs operations whereby a Perimeter Stack is required on one (1) end of the partition run and a Recessed Stack is utilized on the opposite end of the partition run.
- B. Stack Quantity: The quantity of Stack Arrangements required for storing the partition shall be (select):
1. *Standard Single Stack*: as required for a standard Single operation stacking at one (1) end.
 2. *Optional Double Stack*: as required for optional Even and Uneven Pairs operations stacking at both ends of the partition run.

2.05 LATCH ARRANGEMENTS

- A. Latch Type: The accordion partition shall be equipped with a latch as required for opening and closing the partition. The latching mechanism shall be mounted in a Lead Post consisting of 14-gauge steel and utilize a grip-type pull assembly with a final pull-in feature. Grip handle shall be constructed of architectural grade 6063-T5 aluminum with an anodized clear satin finish. The type shall be (select):
1. *Single Latch*: as required for latching a partition to a Fixed Latch Post at the end(s) of a partition run. The Fixed Latch Post shall consist of 6063-T5 structural aluminum alloy and shall mount permanently and directly to a structural wall.
 2. *Pairs Latch*: as required for latching Even and Uneven Pairs partitions together within the partition run.

3. *Combination Single and Pairs Latches*: as required for latching Even and Uneven Pairs partitions together within the partition run (Pairs Latch) as well as at one (1) or both ends to a Fixed Latch Post (Single Latch). The Fixed Latch Post shall consist of 6063-T5 structural aluminum alloy and shall mount permanently and directly to a structural wall.
- B. Latch Quantity – Single Operation: The Single partition shall include one (1) Single Latch, as standard, for latching the partition at one (1) end of the partition run; or two (2) Single Latches, as an option, as required for latching the partition at both ends of the partition run.
 - C. Latch Quantity – Even and Uneven Pairs Operation: The Paired partition shall include one (1) Pairs Latch, as standard, for latching the partitions together within the partition run. As an additional option, the Pairs partition can also include one (1) or two (2) Single Latches, as desired for latching one (1) or both ends of the pair at the end(s) of the partition run.

2.06 JAMB ARRANGEMENTS

- A. Jamb Type: The Accordion partition shall utilize a (select):
 1. *Standard Fixed Jamb*: consisting of a 14-gauge steel vertical rail which is covered with matching finish material and attached permanently and directly to a structural wall.
 2. *Optional Sliding Jamb Panel*: consisting of a rigid plywood panel covered with matching finish material. Sound rated partitions shall have 3-ply flexible vinyl sweep seals installed along the top and bottom of the panel. The Sliding Jamb Panel shall be attached permanently and directly to the partition back post and shall move back and forth within the recessed stack area when extending and retracting the partition.
 3. *No Jamb Required*: the Single, Even Pairs or Uneven Pairs partition shall be configured with Single Latches at both ends of the partition run, thereby negating the requirement for a Fixed or Sliding Jamb.
- B. Jamb Quantity – Single Operation: each Single partition shall include one (1) jamb as selected above (unless “No Jamb Required” is selected).
- C. Jamb Quantity – Even and Uneven Pairs Operation: each Pairs partition shall require a total of two (2) jambs as selected above (unless “No Jamb Required” is selected).

2.07 HORIZONTAL SEALS

- A. Top Seals: Top sound seals shall consist of fixed, continuous-contact, 3-ply flexible vinyl-felt-vinyl sweep seals installed on both sides of the partition cover. (Note: Non-Rated partitions are provided with 2-ply vinyl sweep seals as an option only and must be specified accordingly.)
- B. Bottom Seals: Bottom sound seals shall consist of field-adjustable, continuous-contact, 3-ply flexible vinyl-felt-vinyl sweep seals installed on both sides of the partition cover. (Note: Non-Rated partitions are provided with 2-ply vinyl seals as an option only and must be specified accordingly.)

2.08 ACOUSTICAL PERFORMANCE

- A. Certification: A research and development specimen of the accordion partition shall have been submitted to and tested in an independent acoustical testing laboratory and shall have achieved an STC rating in accordance with ASTM E90 and ASTM E413 test procedures.
- B. STC Rating – Model 208: The Model 208 accordion partition acoustical performance shall be (select):
 1. *Standard 39 STC*.
 2. *Optional 37 STC or Non-Rated*.
- C. STC Rating – Model 212: The Model 212 accordion partition acoustical performance shall be (select):
 1. *Standard 41 STC*.
 2. *Optional 44 STC or Non-Rated*.

2.09 SUSPENSION SYSTEM

- A. Track Type: Standard aluminum track and ceiling guard shall be extruded from 6063-T5 structural aluminum alloy with clear satin anodized finish, and shall utilize grooves and interlocking pins for positive alignment of adjacent sections. Track shall be attached directly to a wood overhead structural support.
- B. Track Size: The track size shall be (select):
1. *208 Non-Acoustical Lite-Duty Aluminum Track*: certified for Non-Rated Model 208 partitions less than or equal to 10'-0" (3.05 m) in height.
 2. *208 Acoustical Lite-Duty Aluminum Track w/ Ceiling Guard*: certified for Non-Rated and acoustically rated Model 208 partitions less than or equal to 10'-0" (3.05 m) in height.
 3. *208 Acoustical Standard-Duty Aluminum Track w/ Ceiling Guard*: certified for Non-Rated and acoustically rated Model 208 partitions over 10'-0" (3.05 m) in height or Non-Rated Model 212 partitions.
 4. *212 Acoustical Standard-Duty Aluminum Track w/ Ceiling Guard*: certified for Non-Rated and rated Model 212 partitions.

2.10 ACCESSORIES

- A. Accessories including tie-back straps, meeting posts, security lock options, foot bolts and surface-mount ceiling guard trim shall be compatible with other accessories and options, and shall be furnished by the accordion partition manufacturer.
- B. Accessory Meeting Posts: Optional meeting post shall be constructed of 14-gauge steel and covered with matching accordion partition finish material. The "X" and "T": meeting post shall be suspended by one (1) carrier with two (2) ball bearing wheel assemblies. The "L" meeting post shall be configured to a Single Latch assembly and suspended by one (1) carrier with four (4) ball bearing wheel assemblies. A Fixed Latch Post consisting of 6063-T5 structural aluminum alloy shall be included for creating a positive interlock between the meeting post and adjoining partition(s). The Meeting Post configuration shall be (select):
1. *"X" Meeting Post*: with four (4) Fixed Latch Posts, one mounted on each side of the Meeting Post, as required for partitions joining together from four (4) sides.
 2. *"L" Meeting Post*: with one (1) Fixed Latch Post, mounted at a right angle to the other, as required for partitions joining together at right angles from two (2) sides.
 3. *"T" Meeting Post*: with three (3) Fixed Latch Posts as required for partitions joining together from three (3) sides.
- C. Accessory Security Dead Bolt Lock Hardware: Optional dead bolt security hardware shall consist of a conventional cylinder dead bolt with typical "C" type key cylinder, finished in US 26 D Dull Chromium Plated. The dead bolt hardware arrangement shall be (select):
1. *Cylinder Lock Both Sides.*
 2. *Cylinder Lock Reference Side, Thumb Turn Back Side.*
 3. *Cylinder Lock Back Side, Thumb Turn Reference Side.*
- D. Accessory Security Lock Core Hardware: Optional lock core hardware shall be a typical interchangeable core cylinder model, furnished without cylinders. Cylinders shall be furnished and installed by others.
- E. Accessory Security Heavy Duty Surface Foot Bolt: Optional heavy-duty security foot bolt shall be constructed of architectural grade aluminum. The security bolt shall allow 1" [25] extra long throw for added security. The bolt shall be surface mounted to the lead post. The bolt shall include a hard rubber grip foot for interfacing with various floor surfaces.
- F. Accessory Pendant Pulls: Pendant Pulls shall be furnished as a factory standard for Even Pairs and Uneven Pairs partition heights of 10'-0" (3.05 m) and over, and shall be optional for partitions which are under 10'-0" (3.05 m) in height. The pendant pull shall be located in the lead post of the inactive Pairs Latch, and constructed of tubular steel with a powder-coated aluminum finish, as required for assisting with pulling taller partitions.

- G. Accessory Draw Latch: Draw Latch shall be furnished as a factory standard for partition heights of 10'-0" (3.05 m) and over, and shall be optional for partitions which are under 10'-0" (3.05 m) in height. Pulls shall be constructed of tubular steel with a powder-coated aluminum finish and mounted on the lead post(s) of the partition(s), as required for assisting with pulling and latching taller partitions.
- H. Accessory Surface Mounted Ceiling Guard Trim: Optional trim shall consist of 6063-T5 aluminum alloy with clear satin anodized finish, as may be required for surface mounted track applications. Ceiling Guard Trim shall extend 1 3/4" [44] from ceiling line.

PART 3 – EXECUTION

3.01 INSPECTION

- A. Proper and complete preparation of the accordion partition system opening shall be by others in accordance with the architectural drawings, manufacturer's shop drawings and ASTM E557. Any deviation of the actual opening from these specifications shall be called to the attention of the architect prior to the installation of the accordion partition.
- B. Deficiencies in the opening shall be corrected by others prior to installation of the accordion partition.

3.02 INSTALLATION

- A. The accordion partition system shall be installed by manufacturer's authorized distributor.
- B. The accordion partition shall be installed in accordance with manufacturer's written instructions, shop drawings and ASTM E557 installation guidelines.

3.03 ADJUSTING AND CLEANING

- A. The accordion partition and track system shall be adjusted and cleaned in accordance with manufacturers written instructions.

3.04 PROTECTION

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

3.05 DEMONSTRATION

- A. The accordion partition manufacturer's authorized distributor shall demonstrate proper operation and explain proper and necessary maintenance requirements of the partition 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.

06/03