



Unispan

(Available for Hinged Pair Operable Wall Systems)

Introduction:

The following three (3) part specification offers the Standard and *Optional* features for the Unispan Operable Wall System. The yellow highlighted areas in the specification indicate an *Optional* selection that is available based on your project requirements.

Unispan for Hinged Pair Systems

PART 1 – GENERAL SPECIFICATIONS

1.01 WORK INCLUDED

- A. Unispan 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

- A. Opening Preparation: Proper and complete preparation of the Unispan 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 Kwik-Span system; and the painting and finishing of trim and other materials adjoining the head and jamb areas of the operable wall. Any deviation of site conditions contrary to approved shop drawings must be called to the attention of the architect.
- B. Insulation: Sound insulation and baffles for the plenum area above the Unispan system, under the permanent floor, inside air ducts passing over or around the operable wall, and in permanent walls adjoining the operable wall system shall be by others, in accordance with ASTM E 557.

1.03 SYSTEM DESCRIPTION

- A. The Unispan system is a self-supporting truss system for use with operable partitions.

1.04 QUALITY ASSURANCE

- A. The Unispan system shall be validated by calculations performed by a licensed professional engineer.
- B. The Unispan system shall be installed by Kwik-Wall's authorized distributor in accordance with ASTM E 557.

1.05 SUBMITTALS

- A. Manufacturer shall provide prior to fabrication written technical information and related detail shop drawings, which demonstrate that the products comply with contract documents. Include elevations, sections, and details. Indicate dimensions, weights, conditions at openings and at storage areas.

1.06 DELIVERY, STORAGE AND HANDLING

- A. The truss is to be shipped in sections and assembled on site for custom assembly, which meets site conditions.
- B. Protection of the Unispan system after installation shall be the responsibility of the General Contractor.

1.09 WARRANTY

Manufacturer shall warrant each Unispan system and its component parts to be free from defects in material and workmanship for a period of ten (10) 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. Self-Supporting truss shall be a Unispan system as manufactured by KWIK-WALL Company. Manufacturers wishing to bid on products equal to the product specified must submit to the architect 10 days prior to bidding complete data in support of compliance. The submitting manufacturer guarantees the proposed substituted product complies with the performance items specified and as detailed in the drawings.
- B. Unispan to be manufactured in the USA by an American owned company.

2.02 CONSTRUCTION

- A. The supporting truss shall be factory fabricated of steel and aluminum.
 1. Unispan is attached to the building structure for lateral support only. The load of the truss and partition is supported by the Unispan column posts.
 2. Track. Hinged paired panel tracks accepting of Type 40 carriers must be integrated into the truss to allow Kwik-Wall operable partitions to be installed directly onto the system. The use of steel tube and I-beams is not allowed if threaded rods and track must be attached to these types of expandable truss systems.
 3. Posts. End columns shall be 2-1/2" x 5" [63.5 x 127] clear anodized aluminum posts. Posts shall be attached to the truss with steel brackets and bolts. Posts shall be anchored to the floor with concealed fasteners. Posts shall be located approximately 1-1/2" [38] from adjacent wall surfaces. The space between the post and the adjacent wall shall be fitted with a vinyl gasket to inhibit sound.
 4. Ceiling Anchors and sway bracing. Ceiling anchors provide lateral support and shall be set at intervals across the span of the beam. Blocking for ceiling anchors to be provided by others in accordance with the plans.
- B. System Weights
 1. The horizontal truss shall weigh 10-12 lbs. per lineal foot of width.
 2. The support columns shall weigh 3.5 lbs. per foot of height each.
 3. The floor shall support a maximum of 360 psi at each post.

2.03 FINISHES

A. Finish Material Type:

1. Exposed trim and track shall be of clear anodized architectural grade extruded aluminum alloy 6063-T6.
2. Posts shall be of clear anodized architectural grade extruded aluminum alloy 6063-T6.

2.04 OPERATION

A. Operation of panels installed in the Unispan system shall be (Select):

1. Hinged Pairs, consisting of panels hinged together in groups of two (2) unless otherwise specified.
Panels shall be top supported by one (1) carrier in each panel.

B. See specifications for Kwik-Wall models 2000 and 3000 series models for panel operation details.

C. The Kwik-Span system may be disassembled and moved to a similar space to adapt to the end user's changing needs.

2.05 UNISPAN ACCESSORIES/OPTIONS

A. Header side Panels: (to cover sides of truss if it is below the ceiling). Base substrate constructed of Medium Density Fiberboards spliced together with custom extruded aluminum "H" splices.

B. Optional face finishes select below.

1. Vinyl color to be selected from partition manufacturer's standard line.
2. Fabric color to be selected from Kwik-Wall's standard line.
3. Carpet color to be selected from Kwik-Wall's standard line.
4. Wood Veneer color to be selected from Kwik-Wall's standard line.
5. High-Pressure Laminate color to be selected from Kwik-Wall's standard line.
6. Unfinished for field finishing

PART 3 – EXECUTION

3.01 INSTALLATION

- A. The Unispan system shall be installed by a Kwik-Wall authorized distributor.
- B. The Unispan shall be installed in accordance with Kwik-Wall's written instructions, shop drawings, and ASTM E 557 installation guidelines.

3.02 ADJUSTING AND CLEANING

A. The Unispan system shall be adjusted and cleaned in accordance with Kwik-Wall's written instructions.

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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