Series U901 Unisson For use with Accordion Partitions

PRODUCT OVERVIEW:

The Unisson self-support system allows the use of manually operated accordion partitions in buildings with inadequate support to accommodate the hanging weight of accordion partitions.

Consisting of a horizontal truss and two support columns, the system attaches to the building for lateral support only. It can be relocated if the owner wishes to reconfigure the space in the future.

The truss accommodates sound baffle panels and insulation for areas requiring sound control.

Unisson is attached to the building structure for lateral support only. The load of the truss and partition is supported by the Unisson column posts. Bolt together truss has anodized aluminum top and bottom cords with integral anodized aluminum track and steel web-members.

1. Furnish and install self-support truss system for use with accordion partitions.
2. 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.
3. 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. Weight of the system

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.

C. Finishes

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.

D. Available Accessories/Options

1. Medium Density Fiberboard Header Side Panels (to cover sides of truss if it is below the ceiling).
   a. Vinyl covered. Color to be selected from partition manufacturer’s standard line.
   b. Carpet covered. Color to be selected from partition manufacturer’s standard line.
   c. Fabric covered. Color to be selected from partition manufacturer’s standard line.
   d. Unfinished for field finishing.
   e. Mineral wool insulation for sound retardation.

2.03 OPERATION

A. Accordion partitions installed in the Unisson system shall be center stacked, and manually operated.
B. Unisson may be disassembled and relocated to an alternate location as needed.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Upon compliance with all of the criteria specified in this section, Manufacturers wishing to bid products equal to the product specified must submit to the architect 10 days prior to bidding complete data in support of compliance and a list of three past installations of products similar to those listed. The submitting manufacturer guarantees the proposed substituted product complies with the performance items specified and as detailed on the drawings.

2.02 MATERIALS

A. Product to be Hufcor Series U901 Unisson as manufactured by Hufcor Inc.
   1. The supporting truss shall be factory fabricated of steel and aluminum.

PART 3 - EXECUTION

A. Installation

The complete installation of the Unisson self-support system shall be by an authorized factory-trained installer and be in strict accordance with the approved shop drawings and manufacturer’s standard printed specifications, instructions, and recommendations.

B. Cleaning

1. All surfaces shall be wiped clean and free of handprints, grease, and soil.
2. Cartoning and other installation debris shall be removed to onsite waste collection area, provided by others.

F-3903G

Figures in brackets [ ] are in millimeters unless otherwise noted.
Vertical Section

- LATERAL SUPPORT CHANNEL REQUIRED FOR UNISPAN
- UNISPAN TRUSS ASSEMBLY
- 3/8" [10] GYPSUM BOARD BY OTHERS
- SOUND ATTENUATION BY OTHERS
- 1/2" [13] CEILING BY OTHERS
- 5 1/2" [140] EXTENDED
- 7 1/2" [191] STACKED
- 1 1/2" [38] TOP OF FIN. FLOOR
- UNIT HEIGHT
- TOP OF SLAB
- Shown with an Acoustically Rated Accordion Partition

Horizontal Sections

Single Door

Pair of Doors

Stack Size: To determine the stack depth, refer to the specifications for the accordion partition model used in the Unispam. Remember to also add 4" [102] for the support column (a/k/a post).

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The manufacturer reserves the right to improve and change product without notice.

No Scale