



**Report Number:** 0193  
**Originally Issued:** 02/2011  
**Revised:** 01/24/2014  
**Valid Through:** 02/2015

**DIVISION: 10— SPECIALTIES**  
**Section: 10615—Demountable Partitions**

**REPORT HOLDER:**  
**Modular Architectural Interiors**  
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**EVALUATION SUBJECT:**  
**ALUR Wall**

## 1.0 EVALUATION SCOPE

### 1.1 Compliance with the following codes:

- 2009 International Building Code (IBC)
- 2006 International Building Code (IBC)

### 1.2 Evaluated in accordance with:

- Code provisions for partitions

### 1.3 The safety glazing complies with:

- Consumer Product Safety Commission (CPSC) 16 CFR 1201 Safety Standard for Architectural Glazing Material, Category II
- ANSI Z97.1, Class A

### 1.4 Property evaluated:

- Structural

## 2.0 USES

The ALUR Wall System is a relocatable, floor-to-ceiling, nonload-bearing, nonfire-resistance-rated interior wall partition system consisting of glazed wall panels and aluminum tracks and posts designed to interface and connect with one another or with existing building walls.

The system may be used in any Occupancy, including Essential Facilities, and in Seismic Design Categories A to F.

## 3.0 DESCRIPTION

### 3.1 Product Information:

**3.1.1** The wall system consists of glazed wall panels and doors and extruded aluminum tracks, reference Figures 1 and 2. When the wall system is installed in accordance with this report and the manufacturer's published instructions, the wall system resists the greater of the 5 psf transverse design load specified in IBC 1607.13, or the seismic design forces for nonstructural components in Seismic Design Categories A and B, where  $I_p > 1.0$ , and in Seismic Design Categories C to F required per IBC 1613.1.

### 3.2 Components and Materials

**3.2.1 Glazing:** Tempered glass, 1/2" thick with maximum height of 10 feet in accordance with Conditions of Use below, which complies with ANSI Z97.1, Class A and CPSC 16 CFR 1201, Category II.

**3.2.2 Aluminum Tracks, Posts:** Extruded from 6063-T52 aluminum alloy with a minimum yield strength of 16,000 psi (110 MPa). Dimensional information is available from manufacturer upon request.

**3.2.3 Doors:** The ALUR Glass Pivot Door is made of full-height, frameless glass door leaf that is 1/2" thick and 35-3/4" wide, and operates with center pivot hinges, reference Figure 3.

The ALUR Wood Pivot Door is made of full-height, frameless solid core door leaf that is 1-3/4" thick and 35-3/4" wide, and operates with 3/4" offset pivot hinges.

The ALUR Single Glass Sliding Door is made of full-height, frameless glass door leaf that is 1/2" thick and 41-15/16" wide, and operates with a sliding mechanism concealed in the 81-7/8" wide door track, reference Figure 4.

The ALUR Double Glass Sliding Door is made of two full-height, frameless glass door leaves that are 1/2" thick and 36" wide each, and operate with a sliding mechanism concealed in the 138-1/8" wide door track.

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Dimensional information of door hardware is available from manufacturer upon request.

**3.2.4 Fasteners:** Bolts and screws connecting aluminum members shall be stainless, hot-dipped galvanized or electro-galvanized steel.

**3.2.5 Gaskets:** Polyvinyl chloride acrylic, CAS No. 9002-86-2.

**3.2.6 Shims:** Acrylic shims for leveling bottom frame.

**3.2.7 Floor anchors:** 3/8" diameter Hilti Carbon Steel Kwik Bolt TZ (KB-TZ) with washer & hex nut installed per manufacturer, with minimum drilled hole depth 2-1/4" and minimum embed depth 1-3/4"; Special Inspection not required, spaced 4 feet maximum. Floor anchors may be installed into normal-weight or light-weight concrete per conditions of use below, reference Figure 6.

**3.2.8 Top track bracing from ALUR Wall Y-bracket to structural level above:**

**Option 1:** 350S162-33 (1-5/8"x3-1/2", 20 gage) metal stud braces, at 1:1 angle, spaced 8 feet each side of panel and alternating such that panel braced at 4 feet maximum, reference Figure 5.

**Option 2:** 12 gage steel wires each side of panel, spaced 4 feet maximum, at 1:1 angle, with 350S162-33 (1-5/8"x3-1/2", 20 gage) metal stud vertical compression strut, spaced 12 feet maximum.

## 4.0 INSTALLATION

Install in accordance with manufacturer's installation guide.

## 5.0 CONDITIONS OF USE

The ALUR Wall System described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

**5.1** The system shall be manufactured, identified, and installed in accordance with this report and the manufacturer's published installation instructions. Where differences exist between this evaluation

report and the manufacturer's published installation instructions, this evaluation report shall govern.

**5.2** The maximum partition height is 10 feet (3048 mm).

**5.3** Panel installation is limited to interior non-load-bearing applications.

**5.4** Glass panels shall be installed vertically.

**5.5** Wired, patterned, sandblasted, or nonvertical glass are outside of the scope of this report.

**5.6** Use of the panels to support furniture loads is outside the scope of this report.

**5.7** Lateral bracing of the ALUR Wall System ceiling track shall be independent of the lateral bracing support of the building's ceiling grid, and shall conform to the requirements of this report, unless otherwise justified by a design professional and approved by the code official.

**5.8** Anchorage of the ALUR Wall System floor track shall conform to the requirements of this report, unless otherwise justified by a design professional and approved by the code official.

**5.9** In Essential Facilities ( $I_p = 1.5$ ), the maximum  $S_s$  mapped short period spectral acceleration is 2.13 for partition heights of 10 feet and 2.59 for partition heights of 9.5 feet.

**5.10** In Seismic Design Categories A and B where  $I_p=1.0$ , the minimum panel width shall be 6" wide with 1 floor anchor. In Seismic Design Categories A and B where  $I_p>1.0$  and Seismic Design Categories C to F, the minimum panel width shall be 14" wide with a minimum of 2 floor anchors, except in cases where the supporting floor slab consists of 4" minimum normal-weight concrete, in which case the minimum panel width may be 6" wide with 1 anchor.

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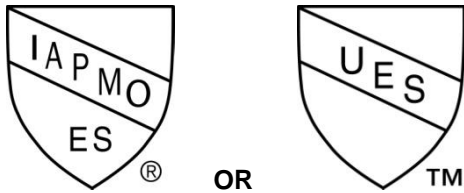
## 6.0 EVIDENCE SUBMITTED

Structural calculations in accordance with IBC.

## 7.0 IDENTIFICATION

7.1 Identification of the system components is made on the packaging of the individual components, labeled "ALUR".

**7.2 Glazing Identification:** Each pane shall bear the glass manufacturer's permanent identification mark designating the manufacturer, type and thickness of the glass, and indication of the safety glazing standard(s) including "16 CFR 1201-I,II". The identification mark shall be acid etched, sand blasted, ceramic fired, laser etched, embossed or a type of that, once applied, cannot be removed without being destroyed.



**IAPMO UES #0193**

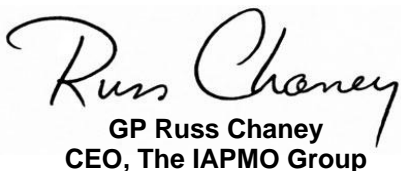


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**Director of Uniform Evaluation Service**

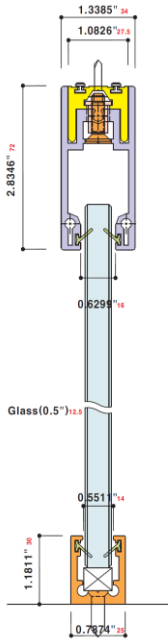


**GP Russ Chaney**  
**CEO, The IAPMO Group**

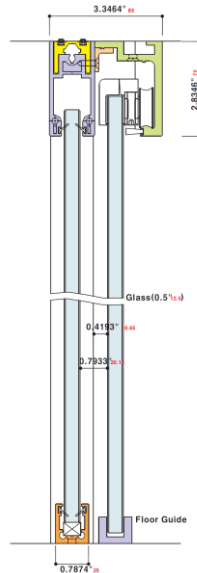
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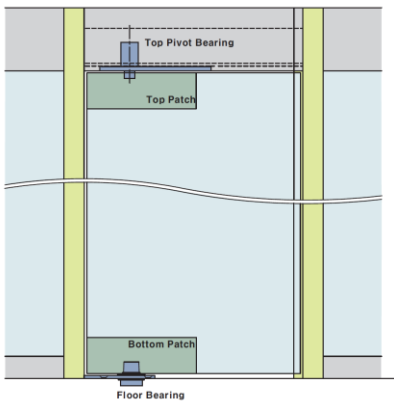
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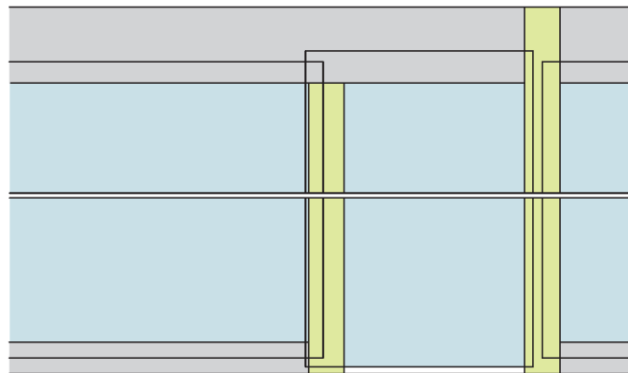
**FIGURE 1 – TYPICAL CROSS-SECTION OF GLAZED WALL PANEL**



**FIGURE 2 – TYPICAL CROSS-SECTION OF SLIDING DOOR**



**FIGURE 3 – TYPICAL ELEVATION OF GLASS PIVOT DOOR**

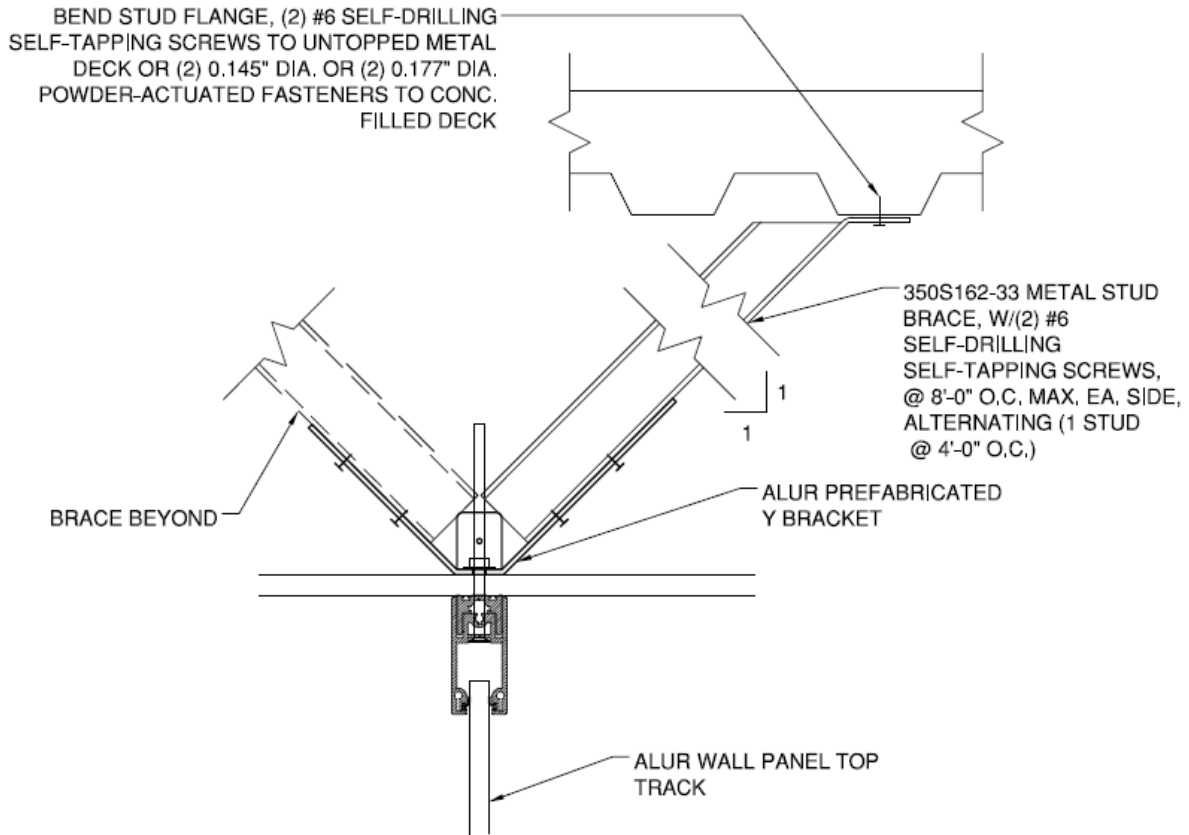


**FIGURE 4 – TYPICAL ELEVATION OF SINGLE GLASS SLIDING DOOR**

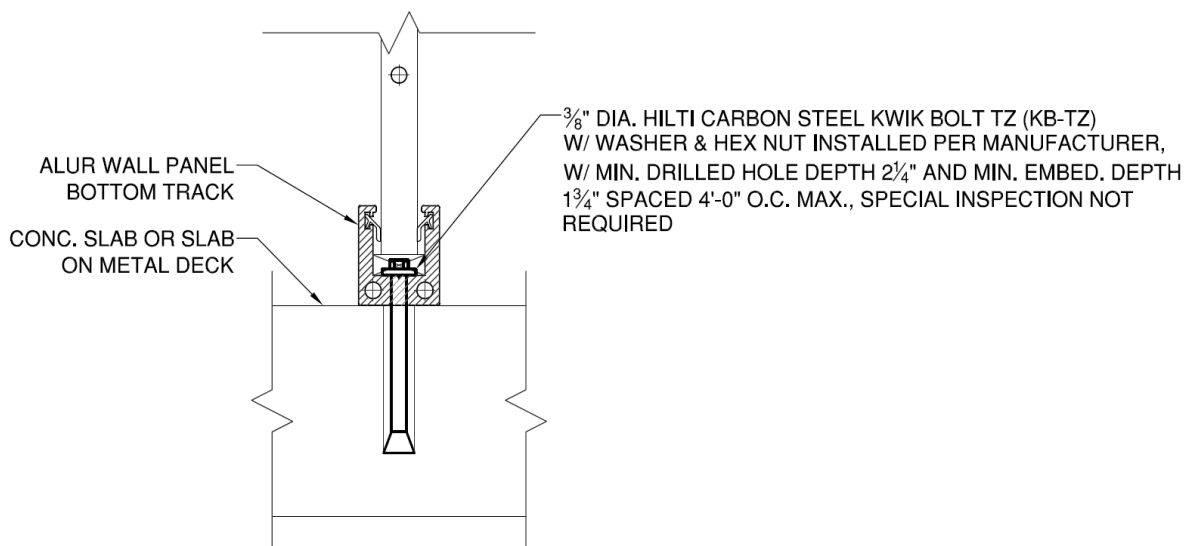
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**FIGURE 5 – TOP TRACK BRACING**



**FIGURE 6 – BOTTOM TRACK ANCHORAGE**



## SUPPLEMENT

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**1.2 Compliance with the following codes:**

- 2010 California Building Code (CBC)
- 2007 California Building Code (CBC)

**ADDITIONAL REQUIREMENTS**

1. For DSA and OSHPD projects, per CBC 2403.2.1, detailed construction documents and detailed shop drawings and analysis assuring safe performance for the specific installation shall be prepared by a Structural Engineer registered in the State of California and submitted to the enforcement agency for approval.

**SUBSTANTIATING DATA**

Structural calculations in accordance with CBC.