### Technical Specifications

**Genius® Movable Wall Sliding Door**

**October 2011**

**KI Genius Wall Highlights**
- Movable and reconfigurable.
- Extremely fast installation and reconfigurations.
- 93-99% recyclable (dependant on finish) and Greenguard certified.
- 44 or 48 STC for solid panels...highest in the industry.
- Removable skins to change aesthetic or to access power/cabling.
- Unitized – installs as panels not pieces.
- Slotted uprights on solid panels to accept furniture, overheads.
- Engineered to interface with existing building conditions.
- Highly customizable...not limited to catalog offering.
- Made in the USA (Manitowoc, WI).

### COMPONENTS & MATERIALS

#### Aluminum Extrusions
- Door, door frame, track and track cover extrusions.
- Architectural grade and structural aluminum alloys.

#### Finishes
- Clear anodized aluminum (8 minute etch standard).
- Powder-coated aluminum (door frame and leaf).
- Architectural Grade A veneer; stained (valance track cover if applicable), framed wood stile/rail, solid core wood doors.
- Flex wood wrapped Architectural Grade A veneer; stained (if applicable), door frame.
- Color selection per manufacturer’s standard range.
- Custom color matches (client approval required).
- Sliding door track finish clear anodized only.
- Frameless glass.

#### PVC Components
- Frame connections.
- Nylon block on bottom adjustment bracket.
- Door bumper on door stop in track.
- Trolleys.
- Glazing gasket on door leaves with lights.
- PVC color options black or silver, custom as required.

#### Door Seal Components
- Flex door bumper co-extrusion on strike post.
- Weather stripping on guide side.
- PVC color options – as above in PVC components.
- For wood double sliding door – tongue and groove seal.
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**Door Glass Components**
- Standard tempered glass $\frac{1}{4}''$ (6mm) – Option $\frac{3}{8}''$ (10mm) (not on frameless).
- Standard laminated glass $\frac{1}{4}''$ (6mm) – Option $\frac{3}{8}''$ (10mm) (not on frameless).
- Approved custom finishes.

**Solid Core Wood Door**
- Solid core wood slab door 5-ply construction.
- Optional door with glass light and no visual glass stop.
- Solid core wood KI Movable Wall approved custom glass lights.

**Door Hardware**
- Manufacturer’s own sliding door track, track cover and door roller.
- Locking doors with interchangeable cores also available in non-locking functions. See specific Tech Sheets for details.

**Optional Door Hardware**
- KI Movable Wall door pulls.
- KI Movable Wall approved custom hardware (supplied “by others”).

**Operating Force Testing Results**
- Does not exceed 3.5 lbs. of force.

**DIMENSIONS & DETAILS**

**Frame**
- Frame width (single door) 40" - 48" (1016 - 1219mm), custom sizes available.
- Frame width (double door) 68.5" - 92.5" (1740 - 2349mm).
- Standard ceiling height up to 120" (3048mm).
- Standard frame depth 3.5" (88.9mm).
- Frame height oversized in height; cut down on-site to suit opening.

**Door**
- Standard door thickness 1 $\frac{3}{4}''$ (44.45mm).
- Wood door width (single door) 40" - 48" (914.4mm), custom sizes available.
- Aluminum door width (single door) 40" - 60" (1016 - 1524mm).
- 42" standard frame opening width allows for a 34.09" (866mm) clear opening (ADA Compliant).
- 80.5" 2 doors open 65" (1651mm).
- Door height adjustment related to acceptable door undercut ($\frac{1}{4}''$ [19mm] standard).
- Wood standard door stiles 5" (127mm) wide.
- Aluminum standard door stiles 5" (127mm) wide.

**Concealed Track Assembly**
- Height 1.41" (35.8mm).
- Track depth 925" (23.5mm).
- Track width (standard) 78" (1981.2mm). Adjustable to suit parametric widths.
- Double door track width (standard) 152" (3860.8mm) 2 tracks joined at middle.
- Door stop attached to track on non-strike side.
- Installation includes: unique hanger design requires fasteners to the KI Movable Wall frame system or drywall.

**Frame Connections (KI Movable Wall and/or Drywall to Frame)**
- Hidden links frame alignment and gap control.
- Panel connectors at frame connection between the door frame and the adjacent frame.
- Over sized and double doors must have seismic brackets installed to support track at middle of joint.

**Trim Components**
- Powder-coated steel recessed ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Frame to base building flexible and rigid wall connections.

**Other Options**
- Glass or solid transom over door (door frame option).
- Real muntins on glass (anodized, wood or powder-coat finish).
- COM doors – hardware prepared to KI Movable Wall standards.
- Drywall face mounted sliding door.
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Wood Framed Sliding Door
w/5" Stile

Aluminum Framed Sliding Door
w/5" Stile