

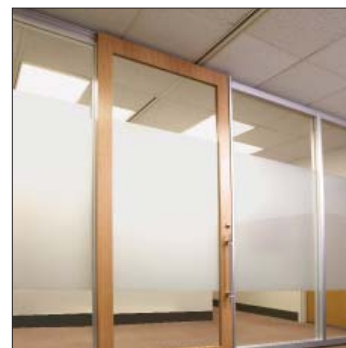
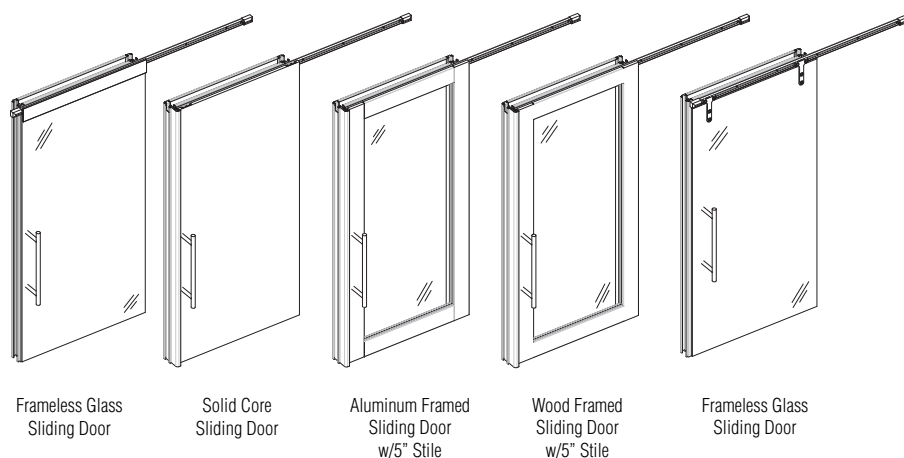
Technical Specifications ■

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.

■ Genius® Movable Wall Sliding Door

Technical Specifications

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 ($\frac{3}{4}$ " [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.

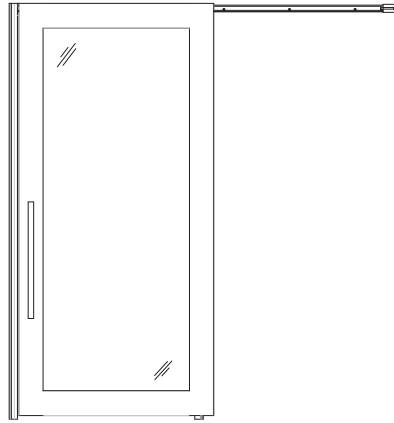
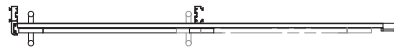
Trim Components

- 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.

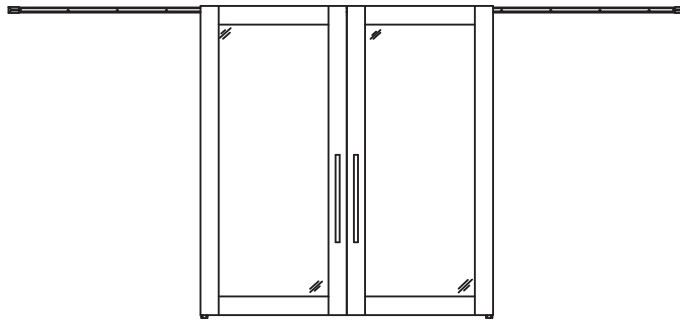
Other Options

- 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.

■ **Genius® Movable Wall Sliding Door**
Technical Specifications



Wood Framed Sliding Door
w/5" Stile



Aluminum Framed Sliding Door
w/5" Stile

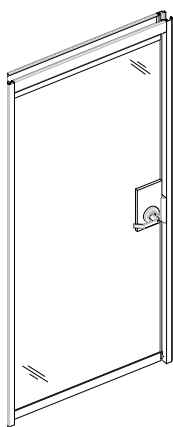
Technical Specifications ■

Genius® Movable Wall Pivot Door

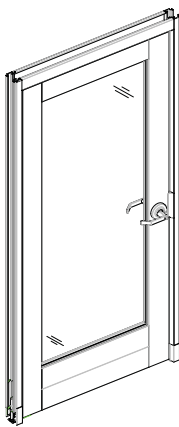
October 2011

KI Genius Wall Highlights

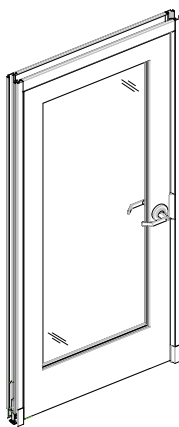
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- Removable skins to change aesthetic or to access power/cablings.
- Unitized - installs as panels not pieces.
- Slotted uprights on solid panels to accept furniture, overheads.
- Engineered to interface with existing building conditions.
- Highly customizable...not limited to catalog offering.
- Made in the USA (Manitowoc, WI).



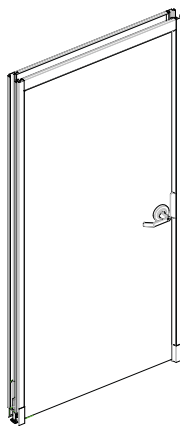
Frameless Glass
Pivot Door



Aluminum Framed
Pivot Door
w/5" Stile



Wood Framed
Pivot Door
w/5" Stile



Solid Core
Pivot Door

COMPONENTS & MATERIALS

Aluminum Extrusions

- Door, door frame extrusions.
- Architectural grade and structural aluminum alloys.

Finishes

- Clear anodized aluminum (8 minute etch standard; door frame and leaf).
- Powder-coated aluminum (door frame and leaf).
- Solid core architectural Grade A veneer; stained (if applicable), framed wood stile/rail leaf, solid core wood leaf.
- 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).

PVC Components

- Frame connections (finished to match panel and/or frame).
- Glazing gasket on door leaves and transoms with lights.
- PVC color option is clear, custom as required.

Door Seal Components

- Full strike pivot option has flex door bumper co-extrusion on strike post, hinge post and top horizontal.
- Reversible strike pivot option has flex door reversible strike plate.
- PVC color options – as above in PVC components.



Furnishing Knowledge®

■ Genius® Movable Wall Pivot Door

Technical Specifications

Door Glass Components

- Standard tempered glass $\frac{1}{4}$ " (6mm) – Option $\frac{3}{8}$ " (10mm).
- Standard laminated glass $\frac{1}{4}$ " (6mm) – Option $\frac{3}{8}$ " (10mm).
- Approved custom finishes.

Solid Core Wood Door

- Solid core wood slab door 5-ply construction.
- Optional door with glass light and no visual stop.
- Solid core wood KI Movable Wall approved. Custom glass lights.

Door Hardware

- Manufacturer's own top and bottom pivot hardware.
- Standard cylindrical hardware is a lever Schlage AL Series. Standard mounting height is 38" (965mm) AFF. Custom cylindrical hardware available as well.
- Custom mortised hardware available.

Optional Door Hardware

- KI Movable Wall door pulls.
- KI Movable Wall approved custom hardware (supplied "by others").
- KI approved door closers.
- KI approved flush bolts, roller catches.
- KI approved card readers, magnetic locks.

Operating Force Testing Results

- Meets BIFMA standards for opening and closing force.

DIMENSIONS & DETAILS

Frame

- Frame width (single door) 40.5" (1028.7mm), custom sizes available.
- Standard ceiling height up to 120" (3048mm).
- Standard frame depth 3.5" (88.9mm).
- Reversible strike pivot frame is standard with adjustable boot to compensate for vertical floor adjustments without cutting.
- Full strike pivot frame height is oversized in height; cut down on-site to suit opening.

Door

- Standard door thickness $1\frac{3}{4}$ " (44.45mm).
- Standard wood door leaf width (single door) 36" (914.4mm), custom sizes available.
- Standard aluminum door leaf width (single door) 36" (914.4mm), custom sizes available.
- 36" standard door leaf width allows for a 34.25" (616mm) clear opening without handle (32" – ADA Compliant).
- Door height adjustment related to acceptable door undercut ($\frac{3}{4}$ " [19mm] standard).
- Wood standard door stiles 5" (127mm) wide.
- Aluminum standard door stiles 5" (127mm) wide.

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.

Trim Components

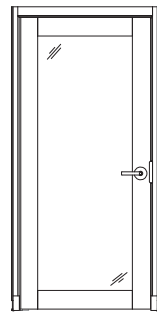
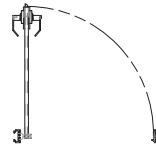
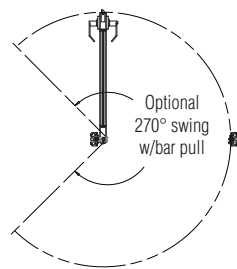
- Powder-coated steel recessed ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Powder-coated, clear anodized and flex wood flush ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Frame to base building flexible and rigid wall connections.

Other Options

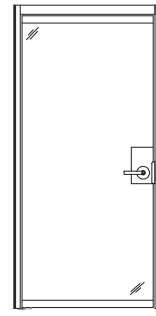
- Glass or solid transom over door (door frame option).
- Real muntins on glass (anodized, wood or powder-coat finish).
- COM doors - hardware prepared to KI Movable Wall standards.
- Drywall mounted butt hinge door.

Genius® Movable Wall Pivot Door

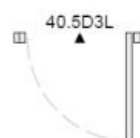
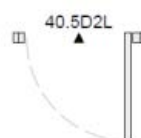
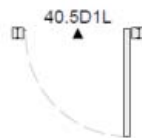
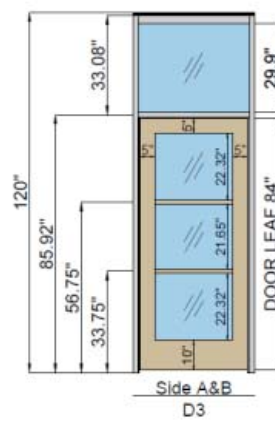
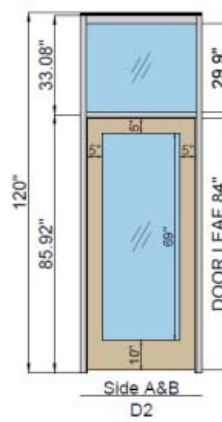
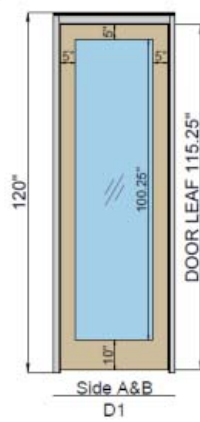
Technical Specifications



Pivot Door



Frameless Glass Pivot Door



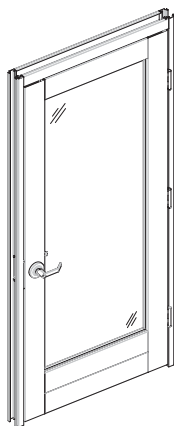
Technical Specifications ■

Genius® Movable Wall Butt Hinge 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).



Aluminum Frame
Butt Hinge Door - ADA
5' Stile



Wood Frame
Butt Hinge Door - ADA
5' Stile



Solid Core
Butt Hinge Door

COMPONENTS & MATERIALS

Aluminum Extrusions

- Door, door frame extrusions.
- Architectural grade and structural aluminum alloys.

Finishes

- Clear anodized aluminum (8 minute etch standard; door frame and leaf).
- Powder-coated aluminum (door frame and leaf).
- Solid core architectural Grade A veneer; stained (if applicable), framed wood stile/rail leaf, solid core wood leaf.
- 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).

PVC Components

- Frame connections (finished to match panel and/or frame).
- Glazing gasket on door leaves and transoms with lights.
- PVC color option is clear, custom as required.

Door Seal Components

- Flex door bumper co-extrusion on strike post, hinge post and top horizontal.
- Optional drop seal for bottom of door leaf.
- PVC color options – as above in PVC components.



■ Genius® Movable Wall Butt Hinge Door

Technical Specifications

Door Glass Components

- Standard tempered glass $\frac{1}{4}$ " (6mm) – Option $\frac{3}{8}$ " (10mm).
- Standard laminated glass $\frac{1}{4}$ " (6mm) – Option $\frac{3}{8}$ " (10mm).
- Approved custom finishes.

Solid Core Wood Door

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

Door Hardware

- $4\frac{1}{2}$ " x $4\frac{1}{2}$ " hinges, 3 or 4 hinges per leaf.
- Standard cylindrical hardware is a lever Schlage AL Series. Standard mounting height is 38" (965mm) AFF. Custom cylindrical hardware available as well.
- Custom mortised hardware available.

Optional Door Hardware

- KI Movable Wall door pulls.
- KI Movable Wall approved custom hardware (supplied "by others").
- KI approved door closers.
- KI approved flush bolts, roller catches.
- KI approved card readers, magnetic locks.

Operating Force Testing Results

- Meets BIFMA standards for opening and closing force.

DIMENSIONS & DETAILS

Frame

- Frame width (single door) 40" (1016mm), custom sizes available.
- Frame width (double door) 76.1" (1933mm), custom sizes available.
- 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).
- Standard wood door leaf width (single door) 36" (914.4mm), custom sizes available.
- Standard aluminum door leaf width (single door) 36" (914.4mm), custom sizes available.
- 36" standard door leaf width allows for a 34.25" (616mm) clear opening without handle (32" – ADA Compliant).
- Double doors 2 x 36" standard door leaf width allows for a 68.5" (1740mm) clear opening.
- Door height adjustment related to acceptable door undercut ($\frac{3}{4}$ " [19mm] standard).
- Wood standard door stiles 5" (127mm) wide.
- Aluminum standard door stiles 5" (127mm) wide.

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.

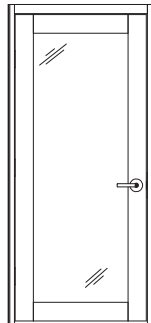
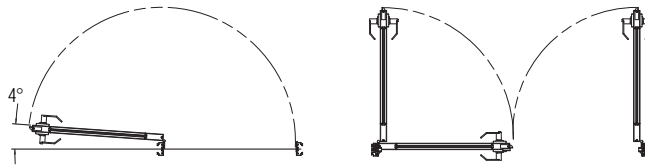
Trim Components

- Powder-coated steel recessed ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Powder-coated, clear anodized and flex wood flush ceiling channel with free-float adjustment from top of wall to ceiling sealed with gasket.
- Frame to base building flexible and rigid wall connections.

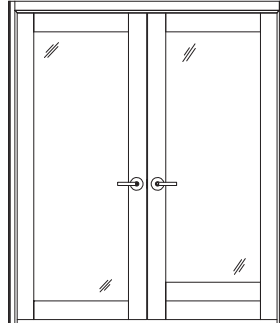
Other Options

- 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 mounted butt hinge door.

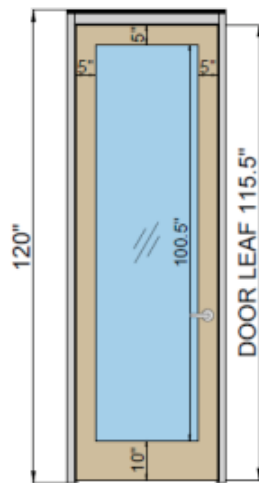
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 Technical Specifications



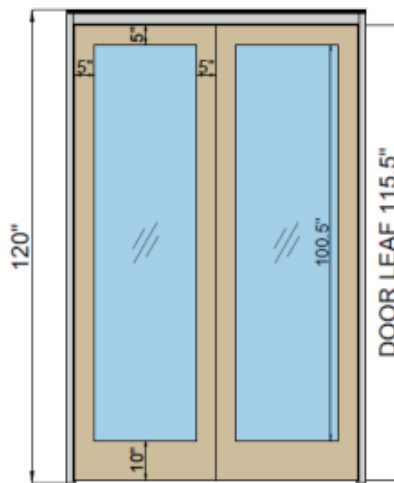
Small Butt Hinge Door



Butt Hinge Door - ADA
 Double Butt Hinge Door



Side A&B
 D1



Side A&B
 D2

