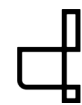
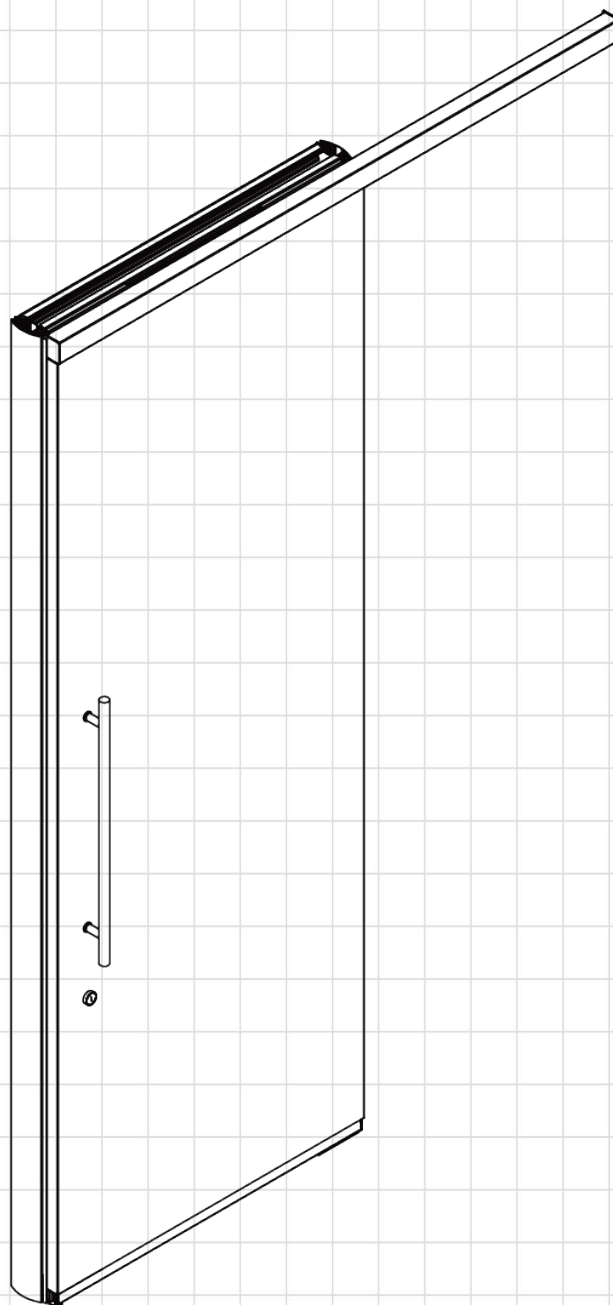


Solid-Core Wood Sliding (Barn) Door



Tech Sheet





COMPONENTS + MATERIALS

ALUMINUM FRAME EXTRUSIONS

Door, door frame, track and door base extrusions

Architectural grade and structural aluminum alloys

Aluminum finish options

Clear anodized (5 micron standard)

Powder coated

Veneer wrapped

Custom as required. See [DIRTT.com](https://www.dirtt.com) for standard color options.

Sliding door track finish options

Clear anodized

Powder coated

Veneer wrapped

PVC COMPONENTS

Frame connections Rigid/flex co-extrusion

Ceiling/Wall Trim Rigid/flex co-extrusion

PVC color options Black or silver

Custom as required

DOOR SEAL COMPONENTS

Rigid/flex PVC co-extrusion (strike and guide side)

PVC color options – as above in PVC Components

For Double Sliding Door – door seal extrusion and Z-seal

DOOR MATERIALS

Super Ply Frame (maple vertical solids on Chromacoat doors)

Particleboard door core

Pressed-thin, high-density fiberboard (door skin) both sides

Solid edging on door verticals

Species of solid edging to match Veneer (Veneer finish)

Maple solid edging (Chromacoat finish)

OPTIONAL DOOR WITH GLASS LITE

Same as above with:

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 Glass Stops (two sides)

$\frac{3}{16}$ " (5mm) x $\frac{3}{4}$ " (19mm) (6mm Glass Lite)

$\frac{3}{16}$ " (5mm) x $1\frac{1}{16}$ " (17mm) (10mm Glass Lite)

Applied Muntins on Glass Lite (anodized or powder coat finish only)

DOOR FINISHES

Chromacoat/ChromacoatPlus (painted) or Architectural Grade Veneer (stained)

UV-cured, water-based finishes

Color selection per standard range

Custom color matches (client approval required)

DOOR HARDWARE

DIRTT Non-locking Options

Door Pulls, see the Door Hardware section on the myDIRTT [Doors](#) page for DIRTT Pull Specifications.

See the DIRTT Standard Pull Heights below for above finished floor (AFF) locations.

[Solid Core Wood Sliding \(Barn\) Door](#)

[Solid Core Wood Sliding \(Barn\) Door with Glass Lite](#)

Double Doors

Alignment pin and bracket on non-locking door

DIRTT Locking Options

Top locking pull

LifeLock (ADA compliant lock)

Schlage L-Series Lever must be specified

DIRTT Standard is the 03 lever with 626 finish

Adams Rite Lock 1870-30-628

Schlage 6-pin Cylinder with Interchangeable Core 26-098

DIRTT-designed Reversible Cam (76914)

Kaba Ilco ADA7181TK1-26D ADA Turn Knob Mortise Cylinder (14464)

Customer's Own Material (COM)

DIRTT-approved custom hardware (supplied "by others")

OPERATING FORCE TEST RESULTS

Door utilizing a soft-close mechanism requires approximately 8 lb force to disengage mechanism holding door in closed position, plus a 3-5 lb rolling load thereafter.

Door utilizing piston slowdown mechanism does not exceed 5 lb operating force.

See [Engineering Report - Operating Force Test](#).



DIMENSIONS + DETAILS

FRAME/MODULE

Standard frame width (module)	40" (1.02m)
Minimum (Min.) module width	
Soft close mechanism	
4 roller	35 1/4" (895mm)
8 roller	40" (1.02m)
Piston slowdown mechanism	
4 roller	30" (762mm)
8 roller	34 3/4" (883mm)
Maximum (Max.) module width	47 3/4" (1.21m)
Double frame width (module)	80" (2.03m)
Min. module width	70" (1.78m)
Max. module width	95 1/2" (2.42m)
Min. ceiling height	7'-0" (2.13m)
Max. ceiling height	10'-0" (3.04m)
Standard frame depth	4" (102mm)
Lower door guide/alignment plates	Locate to adjacent module
Frame height	Oversized in height; cut down on-site to suit opening

DOOR SLAB

Standard wall thickness	1 11/16" (43mm)
Standard door width	40 1/4" (1.02m)
Min. door width	
Soft close mechanism	
4 roller	35 1/2" (902mm)
8 roller	40 1/4" (1.02m)
Piston slowdown mechanism	
4 roller	30 1/4" (768mm)
8 roller	35" (889mm)
Max. door width	48" (1.21m)
Standard clear opening width	32 5/16" (821mm) 7 11/16" (195mm) (less than specified module width)
Double door clear opening width	1 door open 33 3/16" (843mm) 2 doors open 66 1/4" (1.68m)
Door height adjustment	Match bottom of adjacent panel. Height adjustable aluminum door base; cut on-site to suit opening.

Maximum door weights

Piston slowdown mechanism

Doors under 34 3/4" (883mm) module width using a 4-roller piston slowdown mechanism 160lb (72kg)

Doors over 34 3/4" (883mm) module width using an 8-roller piston slowdown mechanism 200lb (91kg)

Soft-close mechanism

Doors under 40" (1.01m) module width using a 4-roller soft-close mechanism 160lb (72kg)

Doors over 40" (1.02m) module width using an 8-roller soft-close mechanism 200lb (91kg)

IMPORTANT: Doors cannot exceed 200lb (91kg).

NOTE: See the [Barn Door Weight Limit](#) DSS article for information on door weight capacities, or contact info@dirtt.com.

DOOR WITH OPTIONAL GLASS LITE

NOTE: All dimensions are the same as listed under Door Slab except as noted here.

Standard vertical door stiles	6 3/16" (157mm)
Standard top horizontal	6 3/16" (157mm)
Standard bottom horizontal	8 1/16" (205mm) AFF

TRACK ASSEMBLY

Track height	1 9/16" (40mm)
Track depth	1 7/8" (48mm)
Track width (standard)	73 1/2" (1.87m) Includes end caps and adjusts to suit parametric width. 146 3/4" (3.73m)
Double door track width (standard)	Two tracks joined at middle.
Piston slowdown or soft-close mechanism	Concealed in track

NOTE: Installation includes unique hanger design, requiring no fasteners to the DIRTT frame system.

FRAME CONNECTIONS

DIRTT Wall and/or drywall to frame

Hidden Links Frame alignment and gap control

Visible PVC connectors At frame connection between the door frame and the adjacent frame

Oversized and Double Doors Must have seismic brackets installed to support track



TRIM COMPONENTS

Ceiling Trim	Flexible trim from top of wall to ceiling.
Wall Trim	Rigid connection from door frame to base building; combined with flexible wall trim.

NOTE: Rigid connection includes Wallflower with Wall Trim.

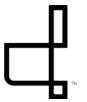
OTHER OPTIONS

Parametric door sizes available

Glass or Solid Transom over door (door frame option)

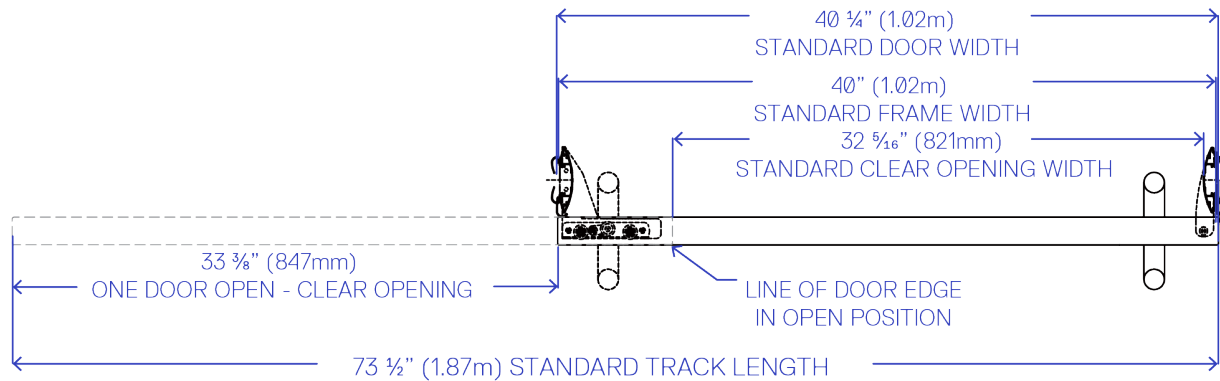
Drywall mounted Sliding Door

NOTE: DIRTT has designed the standard door sizes to have a consistent frame module width between styles and also consider the minimum clear opening widths as required by section 1008 of the International Building Code (IBC). It is understood that local codes may supersede these requirements, and that alternate sizes are allowable based on application. Any modification to door size must be reviewed and validated to ensure final solution is compliant to the applicable code.

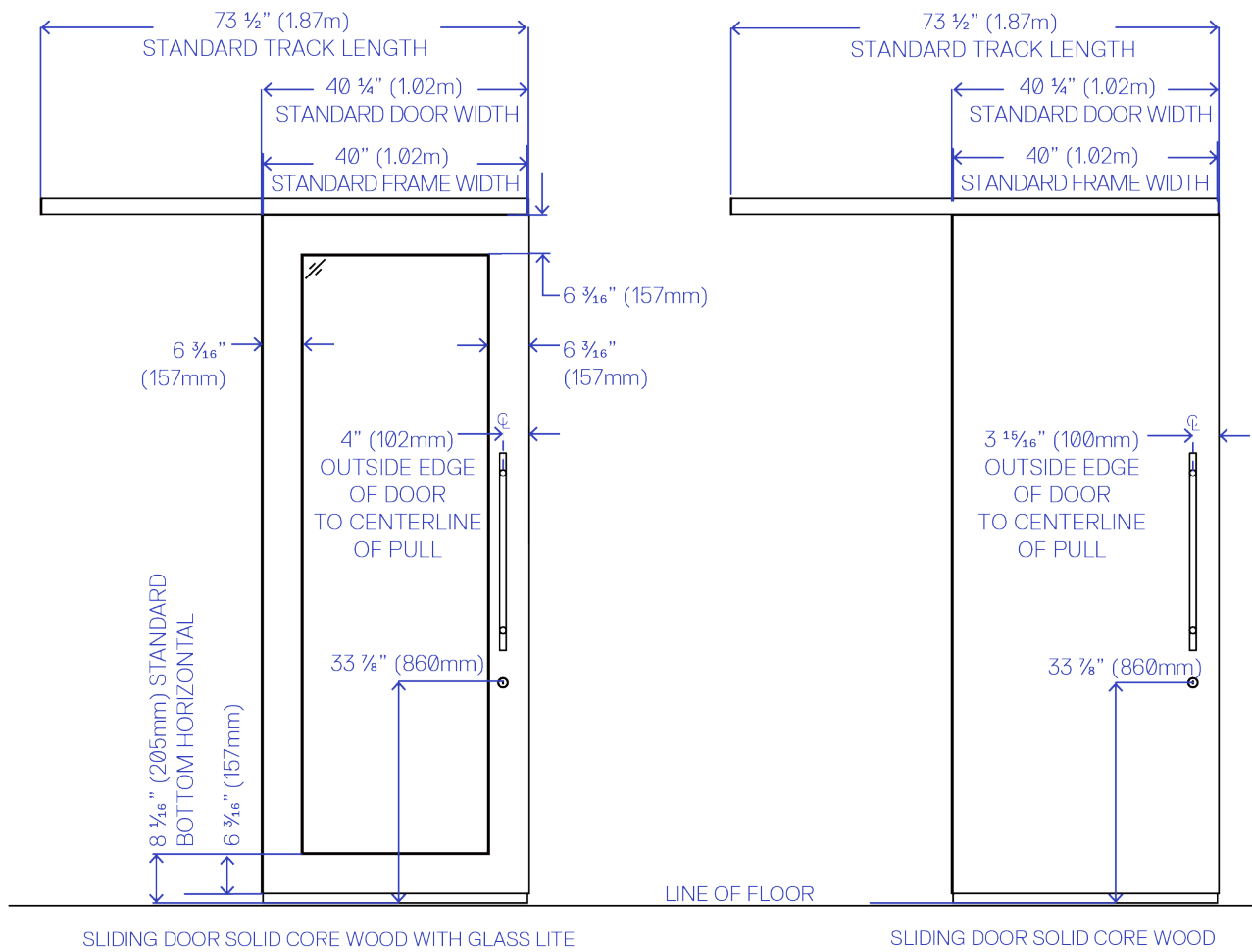


SINGLE DOOR - SOLID CORE WOOD AND SOLID CORE WOOD WITH GLASS LITE

PLAN VIEW [NOT TO SCALE (NTS)]



ELEVATION VIEW (NTS)

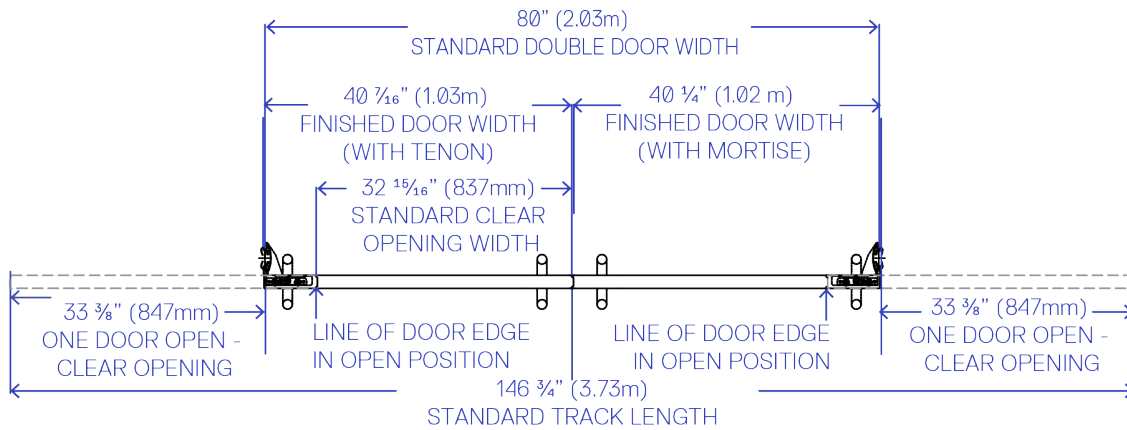




DOUBLE DOOR - SOLID CORE WOOD

PLAN VIEW

(NTS)



ELEVATION VIEW

(NTS)

