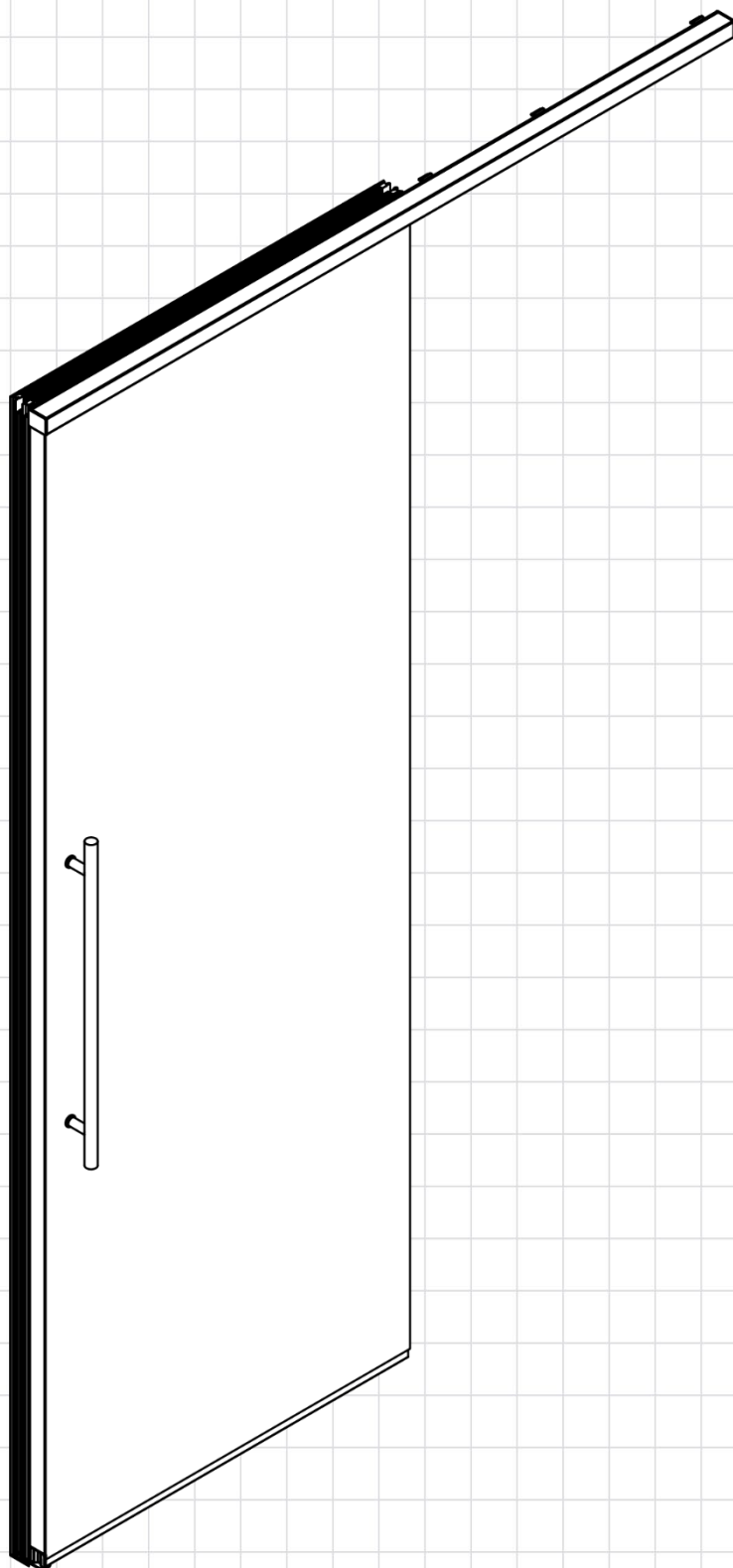
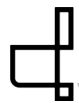


Solid Core Wood Sliding Door in Inspire™ Wall Systems

Tech Sheet





COMPONENTS + MATERIALS

ALUMINUM FRAME EXTRUSIONS

Architectural grade and structural aluminum alloys
Vertical and horizontal extrusions, track, track cover

FINISHES

Clear anodized (5 micron standard)
Powder coated
Architectural Grade Veneer (stained) (door slab only)
ChromacoatPlus (door slab only)
Color selection per manufacturer's standard range
Custom as required. See [DIRTT.com](https://www.dirtt.com) for standard color options (client approval required).

PVC COMPONENTS

Frame connections
Rigid/flex co-extrusion
Ceiling Trim/Wall Start
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
Z-seal for double doors

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 door material, along 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 on two sides. $\frac{3}{16}$ " (5mm) x $\frac{3}{4}$ " (19mm) (Glass Lite)
Applied Muntins on Glass Lite (anodized or powder coat finish only)

DOOR FINISHES

Chromacoat (painted) and ChromacoatPlus (UV cured) water-based paint or Architectural Grade Veneer (stained)
Color selection per manufacturer's 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 ¼" (895mm)
8 roller	40" (1.02m)
Piston slowdown mechanism	
4 roller	30" (762mm)
8 roller	34 ¾" (883mm)
Maximum (Max.) module width	47 ¾" (1.21m)
Double frame width (module)	80" (2.03m)
Min. module width	70" (1.78m)
Max. module width	95 ½" (2.42m)
Min. ceiling height	7'-0" (2.13m)
Max. ceiling height	10'-0" (3.04m)
Standard frame depth	2" (51mm)
Door guide/receiver assemblies	Located in door frame (guide and strike side)
Frame height	Oversized in height; cut down on-site to suit opening.

DOOR SLAB

Standard door thickness	1 ⅞" (43mm)
Standard door width	40 ¼" (1.02m)
Min. door width	
Soft-close mechanism	
4 roller	35 ½" (902mm)
8 roller	40 ¼" (1.02m)
Piston slowdown mechanism	
4 roller	30 ¼" (768mm)
8 roller	35" (889mm)
Max. door width	48" (1.21m)
Standard clear opening width	32 ⅞" (816mm) 7 ⅞" (200mm) less than specified module width
Double Door clear opening width	
One door open	33 ¾" (843mm)
Two doors open	66 ¼" (1.68m)

NOTE: Based on a standard 40" (1.02m) frame width.

Gap between doors (when closed)	¾" (4mm)
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 ¾" (883mm) module width using a 4-roller piston slowdown mechanism 160lb (72kg)

Doors over 34 ¾" (883mm) module width using an 8-roller piston slowdown mechanism 200lb (91kg)

Soft-close mechanism

Doors under 40" (1.02m) 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

Same as door slab measurements, along with:

Standard vertical door stiles	6 ⅜" (157mm)
Standard top horizontal	6 ⅜" (157mm)
Standard bottom horizontal	8 ⅜" (205mm) AFF

TRACK ASSEMBLY

Track height	1 ⅞" (40mm)
Track depth	1 ⅞" (48mm)
Standard track width	73 ½" (1.87m) includes end caps. Adjusts to suit parametric widths.
Standard Double Door track width	146 ¾" (3.73m), two tracks joined at middle.
Piston slowdown or soft-close mechanisms	Concealed in track
Installation includes:	Unique hanger design, requiring no fasteners to the DIRTT frame system.

FRAME CONNECTIONS

DIRTT Wall and/or drywall to frame

Hidden Cufflinks

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 bracket installed to support track at middle of joint



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 can include Wallflower with Wall Trim, or Telescoping Door Start. See [Inspire Wall Design and Order Guide](#) to learn more.

OTHER OPTIONS

Parametric door sizes available.

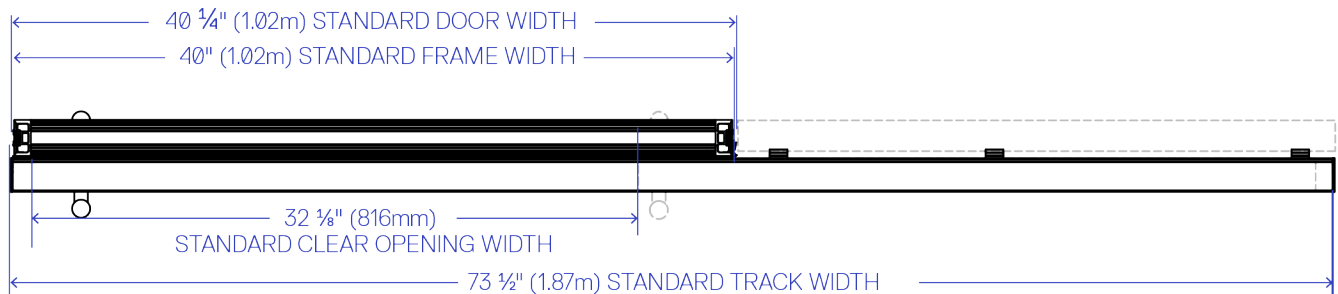
Glass Transom (muntin only, no stack) (door frame option)

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.

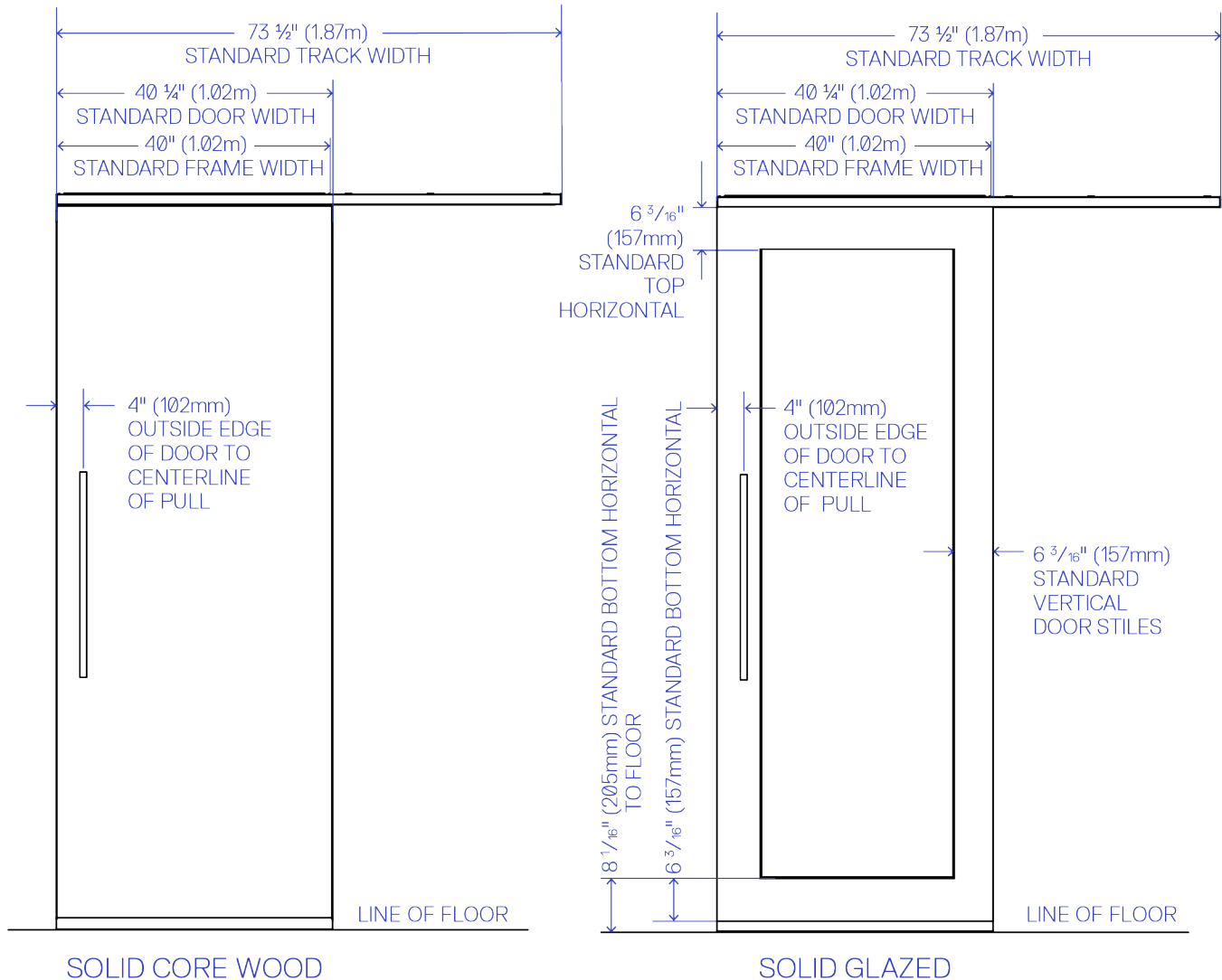


SINGLE DOOR - SOLID CORE WOOD AND SOLID GLAZED

PLAN VIEW



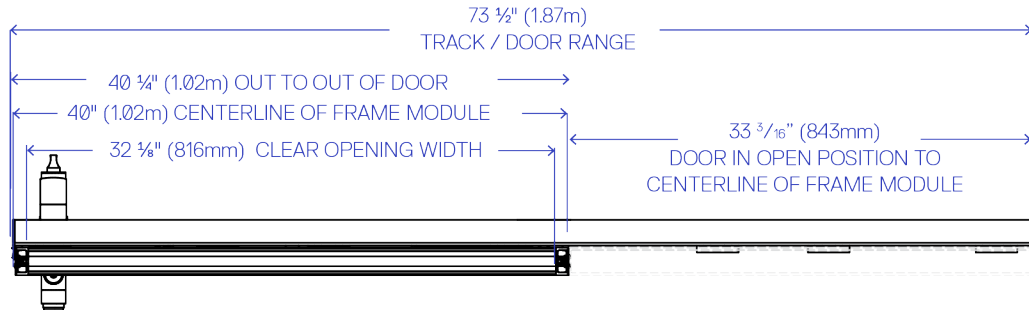
ELEVATION VIEW



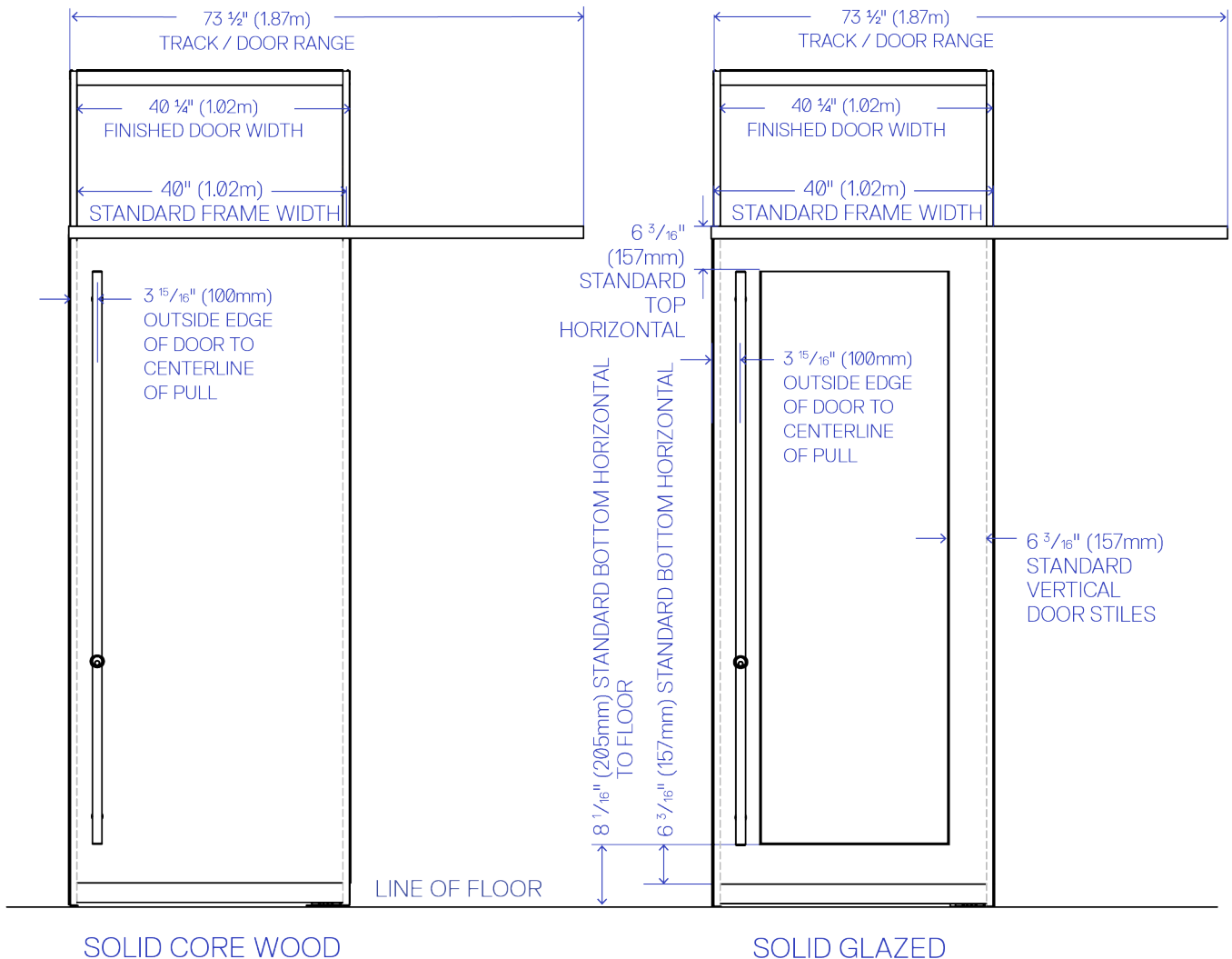


SINGLE DOOR - SOLID CORE WOOD AND SOLID GLAZED WITH TRANSOM

PLAN VIEW



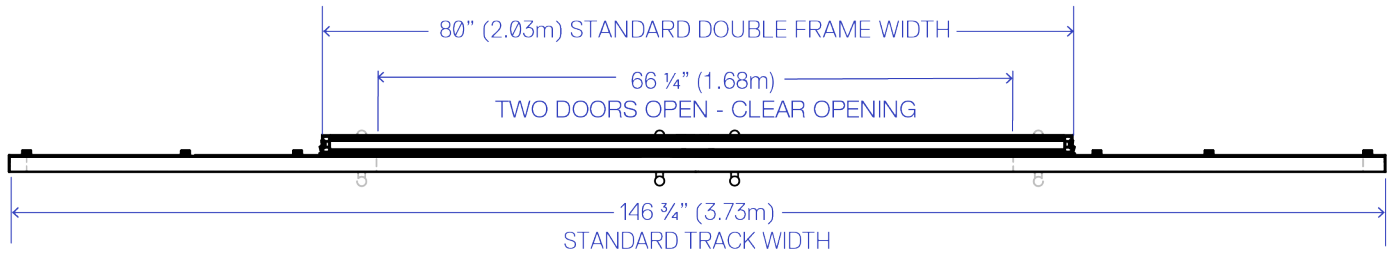
ELEVATION VIEW



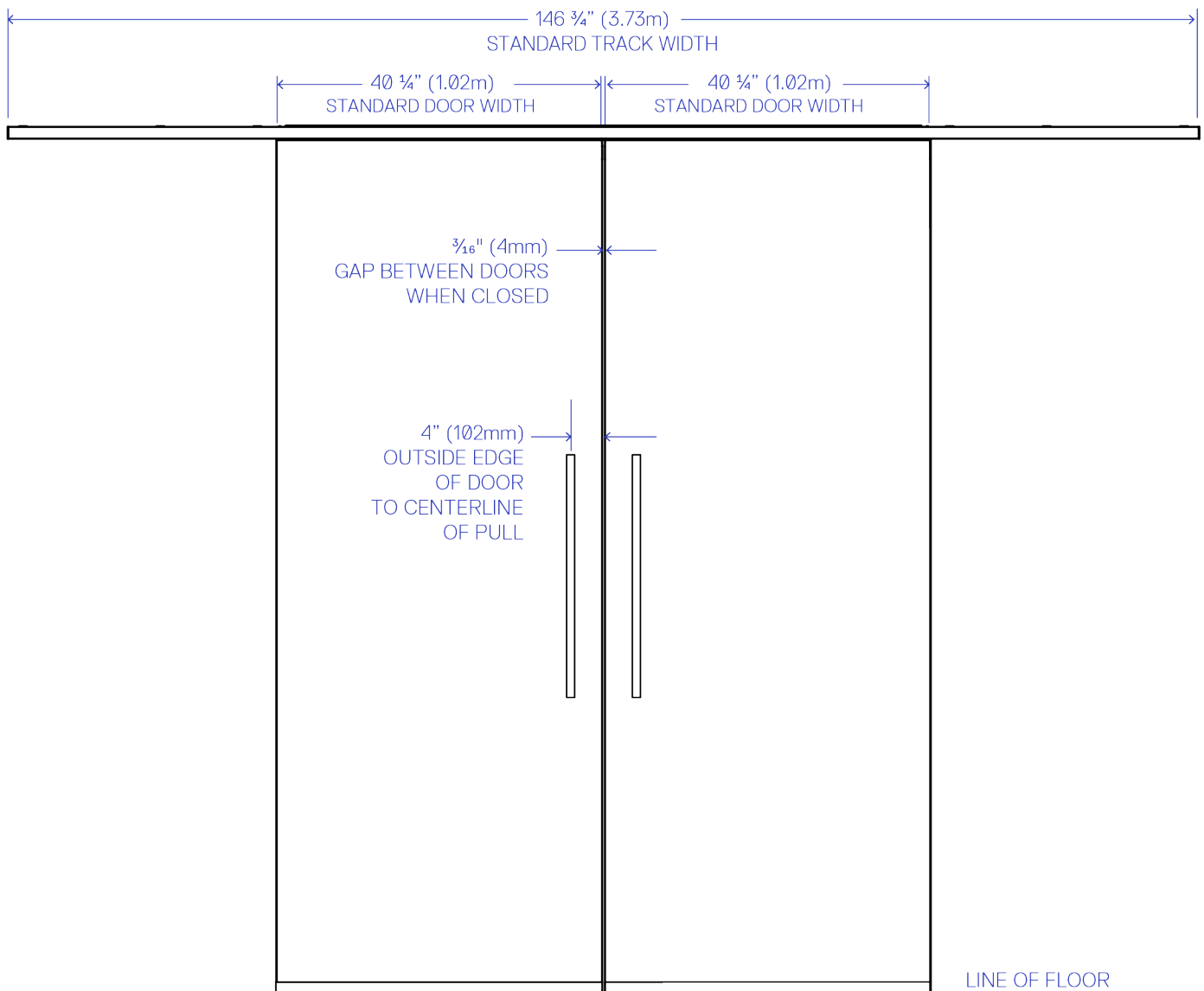


DOUBLE DOOR - SOLID CORE WOOD

PLAN VIEW



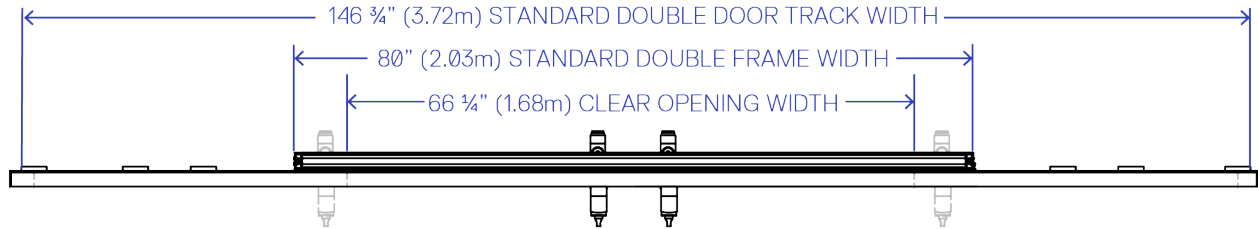
ELEVATION VIEW





DOUBLE DOOR - SOLID CORE WOOD WITH TRANSOM

PLAN VIEW



ELEVATION VIEW

