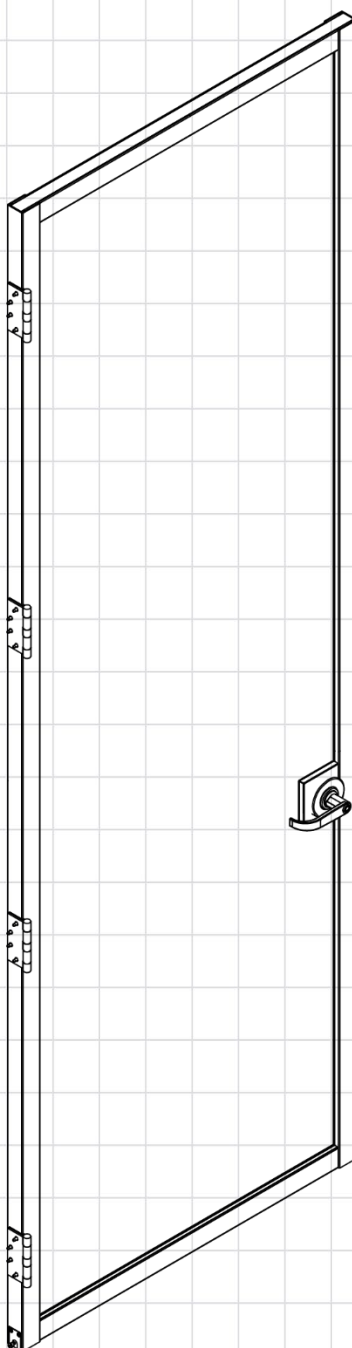
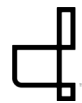


Spectra™ Thin-Profile Swing (Butt Hinge) Door

Tech Sheet





COMPONENTS + MATERIALS

ALUMINUM FRAME EXTRUSIONS

Architectural Grade and Structural Aluminum Alloys

Vertical and horizontal extrusions

Aluminum Finish Options

Clear anodized

Powder coated

Any color choice

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

Veneer wrapped (excluding Classic and Enzo coplanar door frames, Inspire door frames and double-pane doors.)

Door rails and stiles only

Adjustable skirt must be anodized or powder coated

Custom finishes as required

PVC COMPONENTS

Standard Ceiling Trim for Inspire and 4" wall Rigid/flex co-extrusion

Wall Start for Inspire and 4" wall Rigid/flex co-extrusion

Glass Retainer for Inspire and 4" wall Rigid/flex co-extrusion

Frame Connections

Zippers for Inspire and 4" wall Rigid/flex co-extrusion

PVC color options Black and silver
No custom colors

GLASS

Clear Tempered Glass $\frac{1}{4}$ " (6mm), $\frac{3}{8}$ " (10mm) or $\frac{1}{2}$ " (12mm)

NOTE: The double-pane door is limited to the $\frac{1}{4}$ " (6mm) option for both panes of glass.

Tempered Laminated Glass Contact info@dirtt.com for specifications for tempered laminated glass.

NOTE: Tempered laminated glass is unavailable for the double-pane glass door.

Approved custom finishes

DOOR SEAL COMPONENTS

Rigid/Flex PVC Strike and hinge side

Co-extrusion Along the frame header

PVC color options Black and silver

DOOR HARDWARE

Standard Hardware Options

Review [Spectra Single-Pane Thin Profile Door Details](#) or [Spectra Double-Pane Thin Profile Door Details](#) for standard door hardware above finished floor (AFF) locations.

Bar Pull

NOTE: Pulls mounted through holes drilled in glass when tempered glass is specified using stainless-steel spacer kit for DIRTT standard pulls.

Bar pull 12", 12" D-pull, 30" and 72" with roller latch

Review the following DIRTT bar pull technical sheets:

[Back-to-Back Slim Bar Pull](#)—12", 30" and 72" lengths

[12" Back-to-Back D-Pull](#)

[Back-to-Back Blade Bar Pull](#)—12", 30" and 72" lengths

NOTE: The D-pull is unavailable for the double-pane glass door.

NOTE: Pulls are mounted through tempered glass (single-pane and double-pane doors) and tempered laminated glass (single-pane door only).

Butt Hinges

Best BB1409 Satin chrome

Dorex BB1709 Matte black

NOTE: 4 hinges per door without exception.

Lever Sets

Schlage lever set with 3 $\frac{3}{4}$ " backset ALX with Saturn Lever in 626 finish

ALX10 Passage Lever

ALX50 Entrance Lever

DIRTT OPTIONAL DOOR HARDWARE

NOTE: See [Standard Door Hardware Glossary](#) and [Pre-Fit Door Hardware Glossary](#) for available options.

Double Doors

Flush bolt on inactive door

[CCE Acoustic Alu](#) drop seal

DIRTT-supplied [Daedalus DR990](#) concealed closer (full-height walls only)

Locking Options

Locking bar pull with top lock

Some restrictions apply. Contact info@dirtt.com for more information.

Non-Locking Options

Bar pull with roller latch

Customer's Own Material (COM) Hardware

Supplied "By Others"

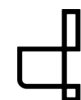
Approved custom hardware

COM compatible door closers

COM levers with 3 $\frac{3}{4}$ " backsets, other than Schlage

ALX levers, require COM approval.

DIMENSIONS + DETAILS



DOOR FRAME/MODULE

Door frame depth

Classic	4" (102mm)
Inspire	2" (51mm)
Min. door frame full-height clear opening	80" (2032mm)

NOTE: Oversized in height; cut down on-site to suit opening.

Ceiling height

Standard	Up to 10'-0" (3048mm)
Min. full ceiling height	83 ½" (2121mm)

Single-Door Door Frame Width (Module)

Standard frame width	40" (1016mm)
Minimum (min.)	38" (965mm)
Clear opening width	37" (939mm)
Min. frame width without drop seal	
Classic	32 ½" (826mm)
Inspire	31 ¾" (806mm)
Maximum (max.) frame width without drop seal	
Classic	43 ⅝" (1116mm)
Inspire	43 ¼" (1099mm)

Min. frame width with drop seal

Classic	38 ¼" (972mm)
Inspire	37 ½" (953mm)

Max. frame width with drop seal

Classic	44 ⅞" (1121mm)
Inspire	43 ⅝" (1100mm)

Min. frame width with concealed closer

Classic	35 ⅜" (899mm)
Inspire	34 ⅝" (880mm)

Double-Door Door Frame Width (Module)

Standard door frame width

Classic	77 ⅞" (1959mm)
Inspire	77 ⅞" (1959mm)

Min. frame width without drop seal

Classic	62 ¾" (1580mm)
Inspire	61 ½" (1562mm)

Max. frame width without drop seal

Classic	85 ¾" (2164mm)
Inspire	84 ¾" (2143mm)

Min. frame width with drop seal*

Classic	73 ⅞" (1865mm)
Inspire	72 ¾" (1848mm)

Max. frame width with drop seal*

Classic	85 ¾" (2164mm)
Inspire	84 ¾" (2143mm)

Min. frame width with concealed closer

Classic

Single-pane glass	67 ⅜" (1723mm)
Double-pane glass	73 ⅞" (1866mm)

Inspire

Single-pane glass	65 ⅞" (1654mm)
Double-pane glass	72 ¾" (1848mm)

DOOR

Max. door weight	200lb (91kg)
Standard door thickness	1 ⅞" (43mm)
Standard vertical door stiles	2" (51mm)
Standard top rail	2" (51mm)
Standard bottom rail	2" (51mm)
Optional ADA bottom rail	10 ⅞" (276mm) AFF

NOTE: Stainless steel (except double-pane glass doors) or powder coat aluminum options available.

Single Door in a 4" (Classic) Door Frame

Standard door width

Single-pane and double-pane glass	37" (939mm)
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Min. door width without drop seal

Single-pane and double-pane glass	29 ½" (749mm)
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Max. door width without drop seal

Single-pane and double-pane glass	41" (1041mm)
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Min. door width with drop seal*

Single-pane and double-pane glass	35 ⅞" (892mm)
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Max. door width with drop seal*

Single-pane and double-pane glass	41" (1041mm)
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Min. door width with concealed closer

Single-pane glass	32 ⅝" (821mm)
Double-pane glass	35 ⅞" (892mm)

Standard clear opening width**

Single door	34 ¼" (870mm)
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Single Door in a 2" (Inspire) Door Frame

Standard door width

Single-pane and double-pane glass	37 ¾" (959mm)
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Min. door width without drop seal

Single-pane and double-pane glass	29 ½" (749mm)
-----------------------------------	---------------

Max. door width without drop seal

Single-pane and double-pane glass	41" (1041mm)
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Min. door width with drop seal*

Single-pane and double-pane glass 35 1/8" (892mm)

Min. door width with concealed closer

Single-pane glass 32 5/16" (821mm)

Double-pane glass 35 1/8" (892mm)

Standard clear opening width** 35" (889mm)

Double (2x) Door in a 4" (Classic) Door Frame

NOTE: Door limits for double door are the same as single door except for the dimension of the clear opening width.

Standard clear opening width**

1 door open 34 15/16" (888mm)

2 doors open 69 3/4" (1772mm)

Double (2x) Door in a 2" (Inspire) Door Frame

Standard clear opening width**

1 door open 35 3/8" (898mm)

2 doors open 70 9/16" (1792mm)

*Drop seal is ordered at 40 1/2" (1030mm). It cannot be cut off more than 5 7/8" (150mm).

**At frame connection between the door frame and the adjacent frame.

Door height adjustment

Skirt adjustment 3/8" (10mm) up and down from shipping position

3/16" (5mm) per rung

Drop seal throw 1/2" (12mm) at max (gap from AFF to seal underside)

FRAME CONNECTIONS

DIRTT Wall and/or Drywall to Frame

Hidden Links Frame alignment and gap control

PVC Trim Components

Door frame to DIRTT wall transition connections Rigid/flex co-extrusion

Door frame to base building wall trim Rigid/flex co-extrusion

OTHER COMPONENTS

Parametric door sizes available

Glass or solid transom over door (door frame option)

Applied muntins on glass (single-pane glass doors only) Anodized or powder coat finish only

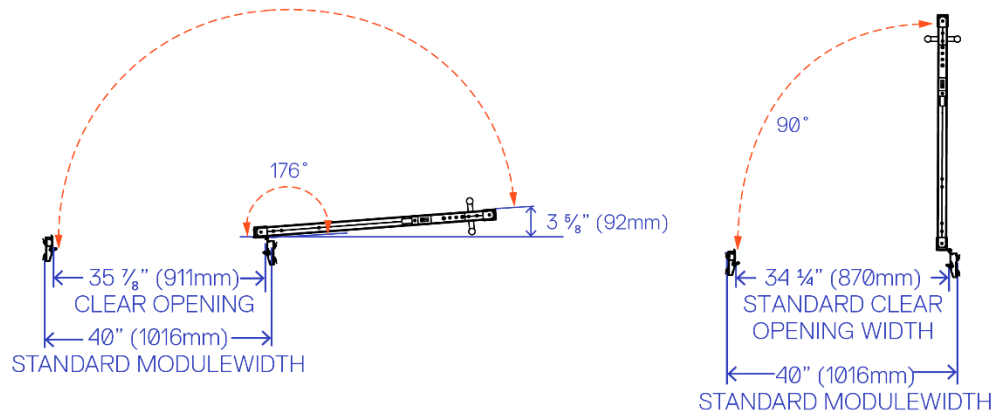
NOTE: DIRTT has designed the standard door sizes to have a consistent frame module width between styles and also considers the minimum clear opening widths as

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.

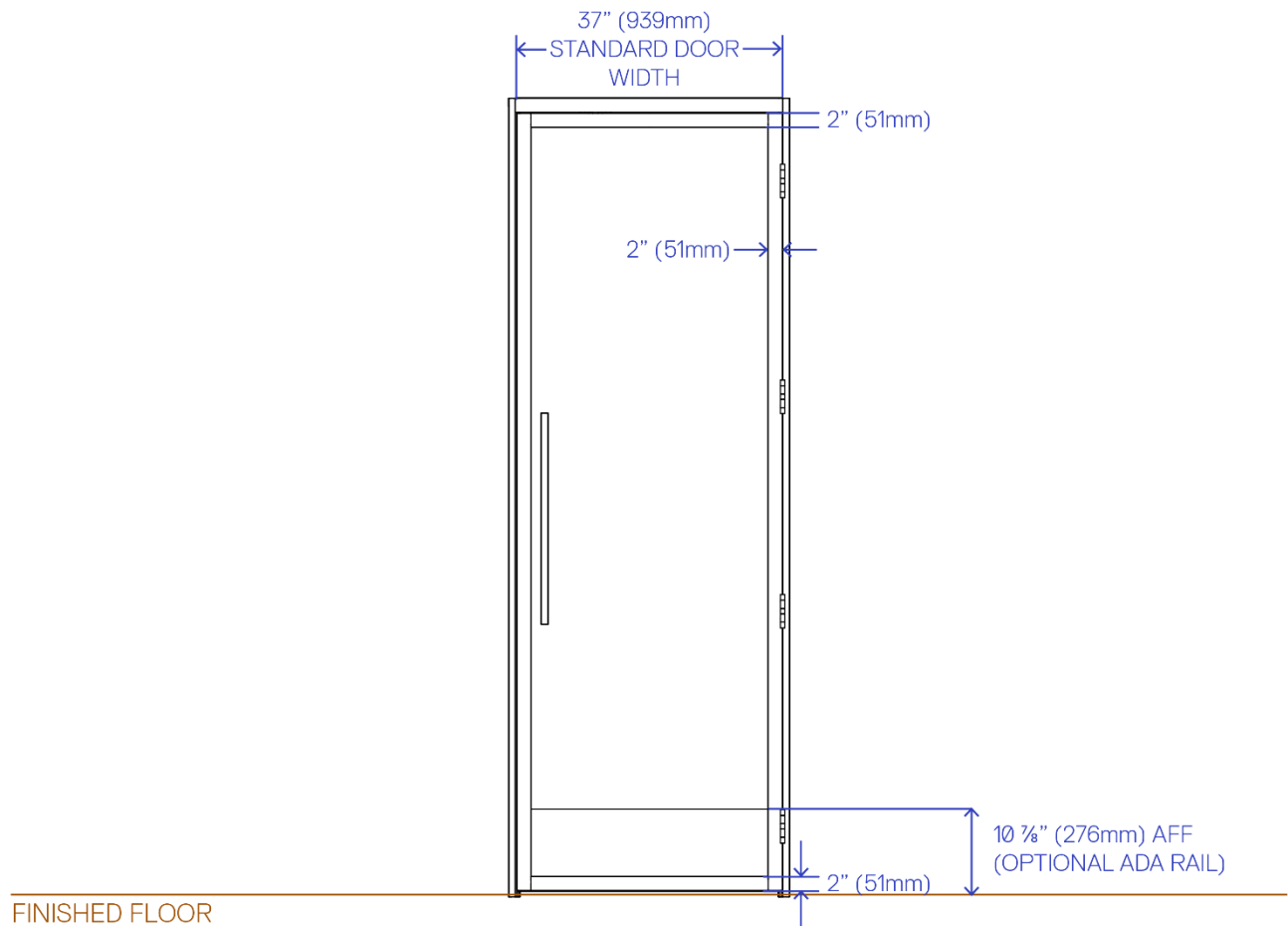


SPECTRA SWING SINGLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW

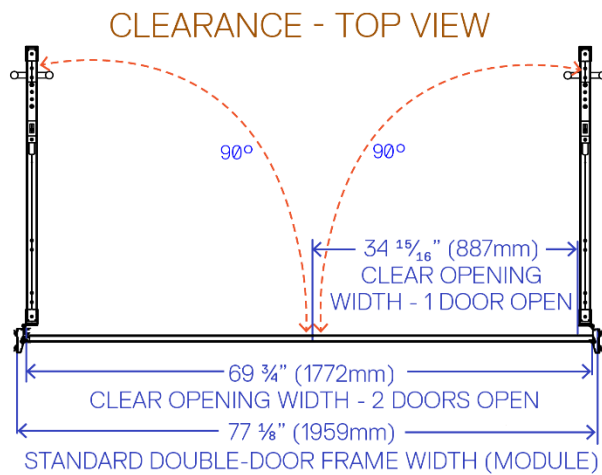


ELEVATION - BACK VIEW

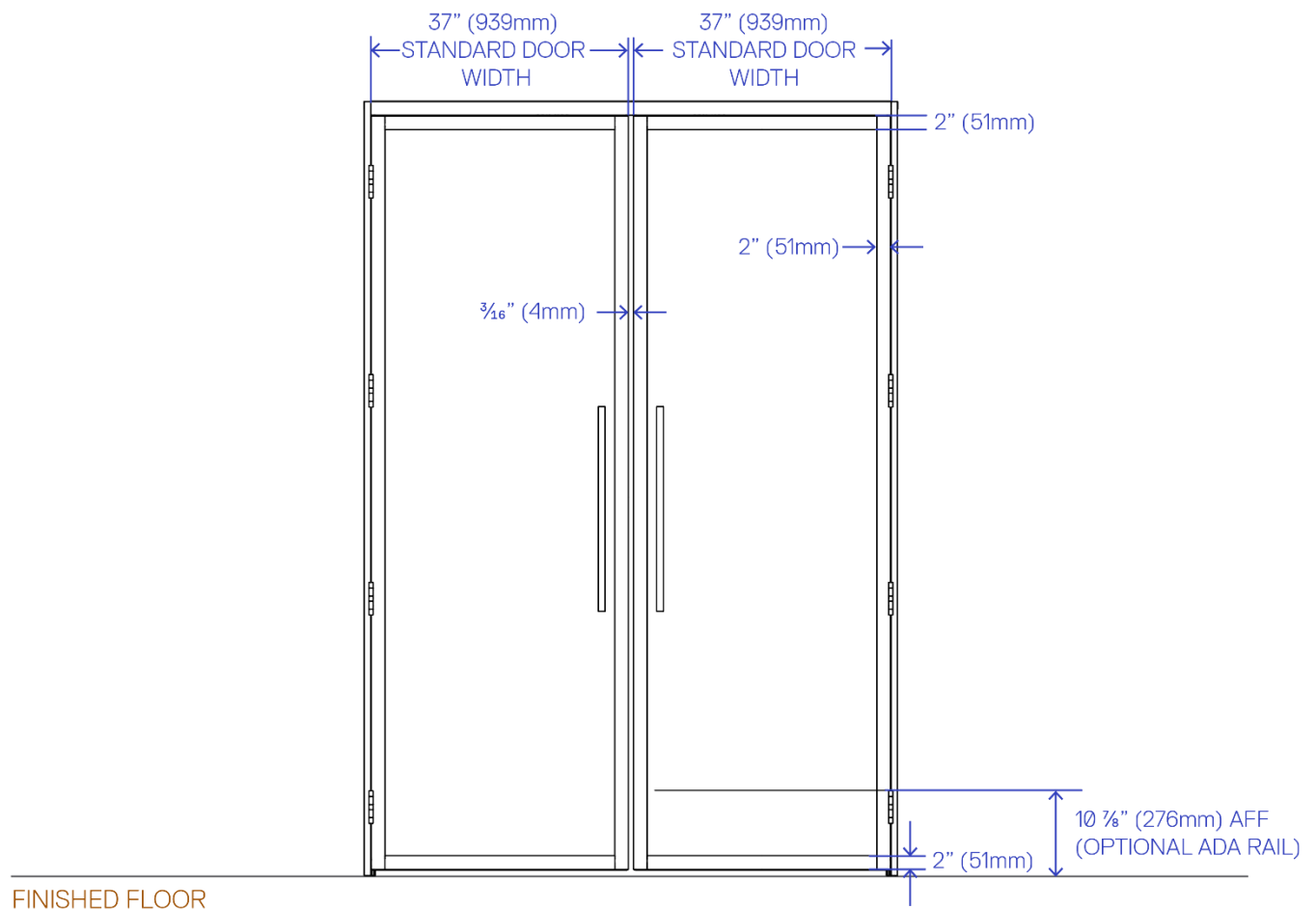




SPECTRA SWING DOUBLE DOOR IN A CLASSIC DOOR FRAME



ELEVATION - BACK VIEW

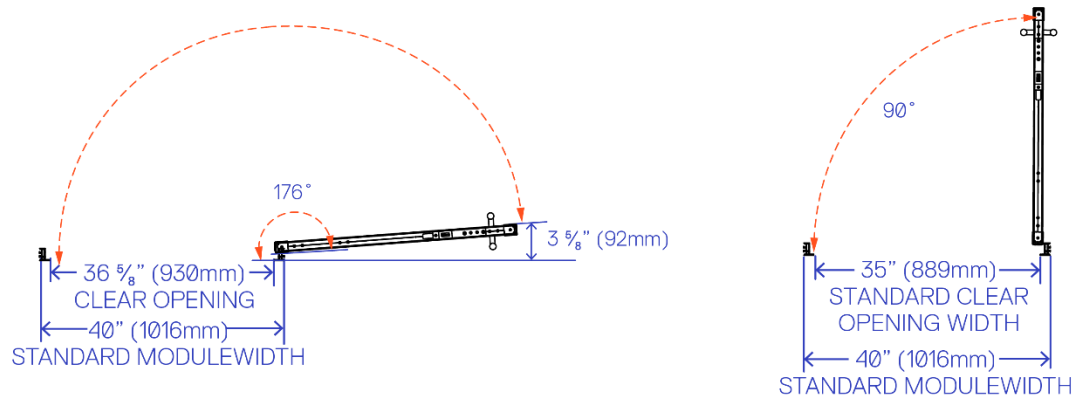




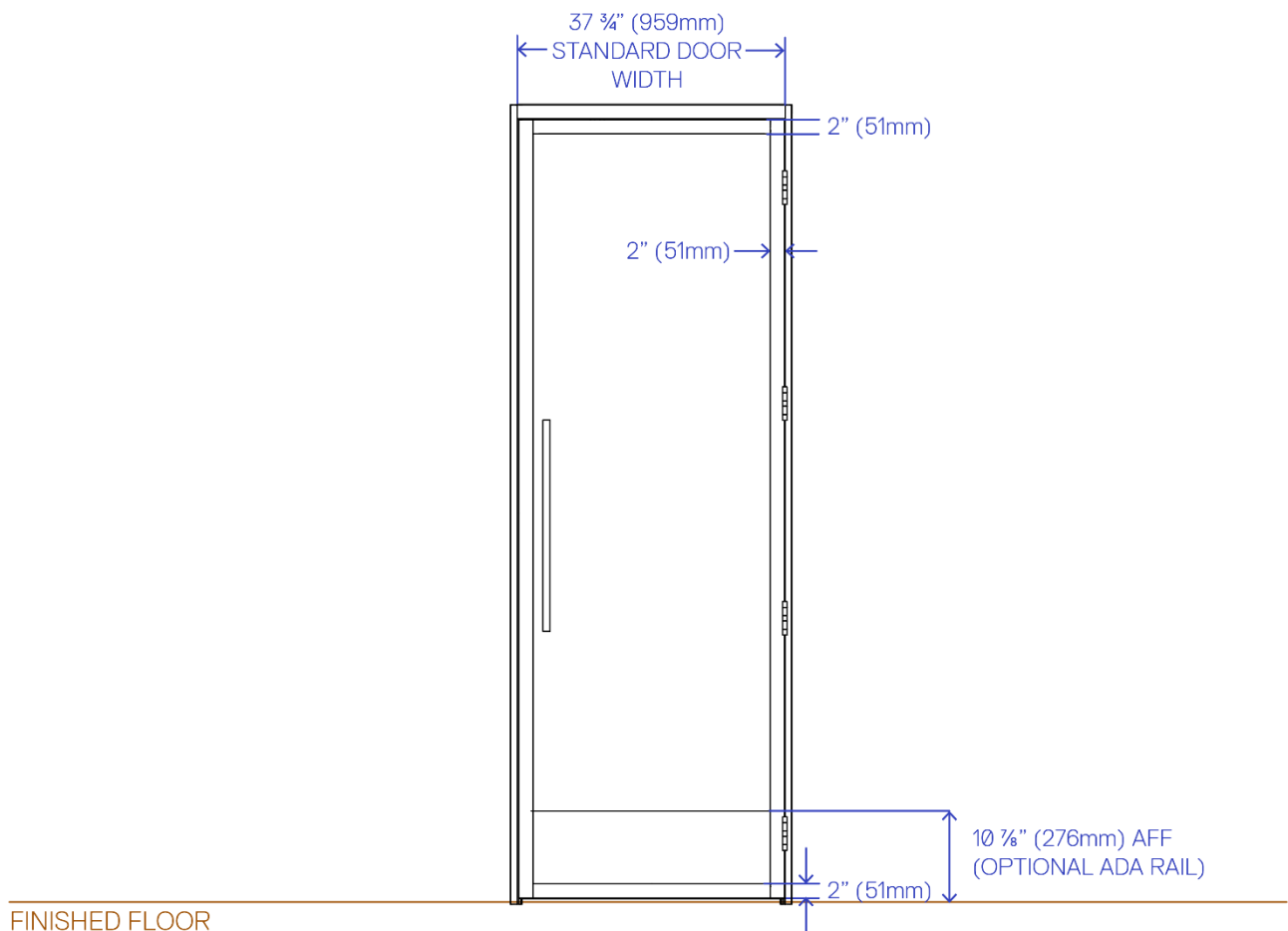
SPECTRA SWING DOOR - SINGLE DOOR

IN AN INSPIRE DOOR FRAME

CLEARANCE - TOP VIEW

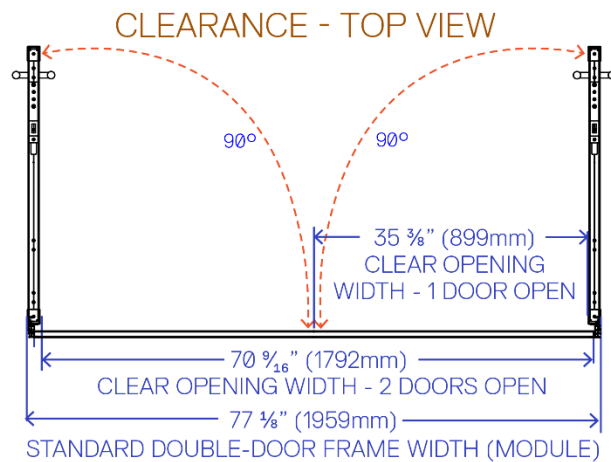


ELEVATION - BACK VIEW





SPECTRA SWING DOOR - DOUBLE DOOR IN AN INSPIRE DOOR FRAME



ELEVATION - BACK VIEW

