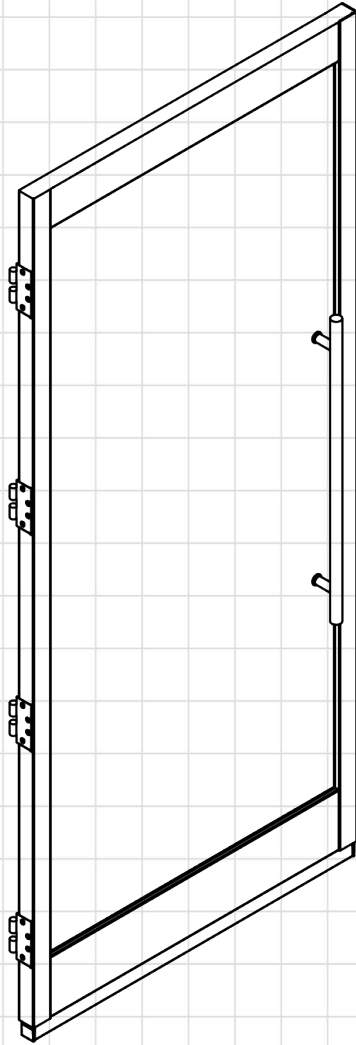
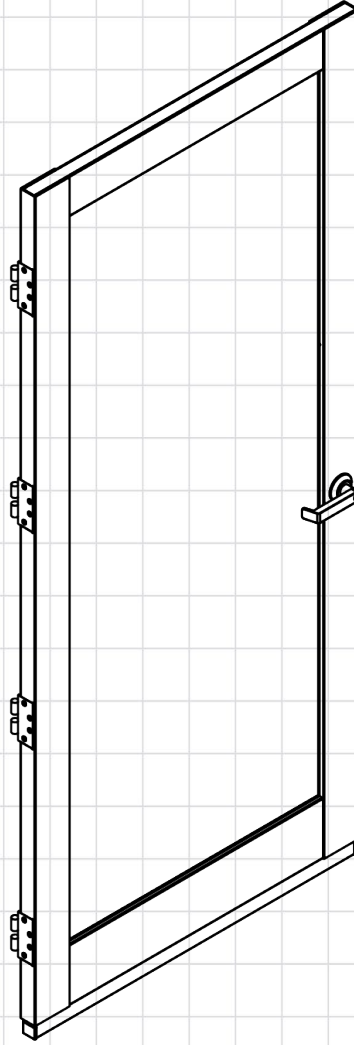


Aluminum-Framed Swing (Butt-Hinge) Door

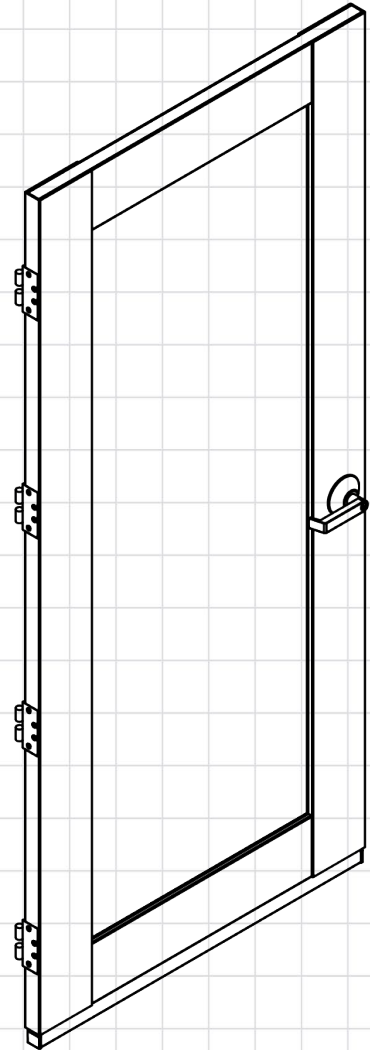
Tech Sheet



ALUMINIUM 2" STILE FRAME



ALUMINIUM 4" STILE FRAME



ALUMINIUM 6" STILE FRAME



COMPONENTS + MATERIALS

ALUMINUM FRAME EXTRUSIONS

Architectural Grade and Structural Aluminum Alloys

Door frame and door (rail and stile) 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 6" (Phat) doors, Enzo and Classic coplanar door frames, and Inspire door frames)

Custom finishes as required

PVC COMPONENTS

¼" (6mm) glass wipe Rigid/flex co-extrusion

⅜" (10mm) glass wipe Rigid extrusion

Door seal (strike and hinge side) Rigid/flex co-extrusion

Door seal along the frame header Rigid/flex co-extrusion

Door frame to adjacent wall connections Rigid/flex co-extrusion

PVC color options Black and silver
No custom colors

DOOR SEAL COMPONENTS

Full surround doorstop (anodized or powder coat finish only) with PVC door seal.

DOOR GLASS

Glass thickness options ¼" (6mm), ⅜" (10mm)

Standard tempered glass

Custom glass tile material

Center painted laminated glass

Etched glass

Laminated glass

COM glass tile material

NOTE: Contact info@dirtt.com for specifications for tempered laminated glass.

NOTE: DIRTT or partners can supply glass.

Approved Custom Finishes

Applied muntin on glass Anodized or powder coat finish only

DOOR HARDWARE

Standard Hardware Options

Bar Pulls

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

Blade bar pull 12", 30" and 72" lengths

Review DIRTT bar pull specifications

[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: Pulls cannot be mounted through the aluminum vertical stile for 2" (Slim) doors so the pulls are mounted through tempered laminated glass.

Butt Hinges

Best BB1409 Satin chrome

Dorex BB1709 Matte black

NOTE: 4 hinges per door without exception.

Lever Sets

Schlage S-Series, Schlage L-Series and Falcon B-Series

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

4" (Goldie) backset 2 ¾" (60mm)

6" (Phat) backset 2 ¾" (70mm)

Standard mounting height 38" (965mm)
in ICE - AFF to centerline of lever

Additional Door Hardware

Bottom adjustable skirt

Floor sweep Pemko 411APKL

Concealed closer Secutor Concealed Closer

Applied ADA Kickplate Stainless steel, powder coated

Integrated ADA Kickplate Anodized, powder coated

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 at the top

Locking Options – All Stiles

Locking bar pull with top lock (some restrictions may apply)

Electromagnetic locks

Cylinder locks, deadbolts and thumb-turns (some restrictions may apply)



Locking Options for 4" (Goldie), 6" (Phat)

Locking lever and strike plate

Non-locking Options – All Stiles

Bar pull with roller latch

Non-locking Options for 4" (Goldie), 6" (Phat)

Non-locking lever

Customer's Own Material (COM) Hardware

Supplied "by others"

Approved custom hardware

COM compatible door closers

DIMENSIONS + DETAILS

DOOR FRAME/MODULE

Single Door Frame Width (Module)

Standard frame width	40" (1016mm)
Maximum (max.) frame width	
Classic	51" (1295mm)
Inspire	50 ¼" (1276mm)
Clear opening width	
Classic	35 ⅞" (911mm)
Inspire	36 ¼" (921mm)

Double (2x) Door Frame Width (Module)

Standard door frame width	
Classic and Inspire	77 ⅞" (1959mm)
Min. door frame width	
Classic and Inspire	75 ⅞" (1909mm)
Max. door frame width	
Classic	99 ⅞" (2517mm)
Inspire	98 ⅞" (2499mm)
Door frame depth	
Classic	4" (102mm)
Inspire	2" (51mm)

Door frame height

Min. clear opening height AFF to underside of header 80" (2032mm)

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

Ceiling height

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

DOOR

Standard door thickness	1 ⅞" (43mm)
Max. door weight without closer	
Classic and Inspire	200lb (91kg)
Max. door weight with closer	
Classic and Inspire	176lb (80kg)

2" (Slim)

Vertical door stiles	2" (51mm)
Top rail	4" (102mm)
Bottom rail	6" (152mm)
Optional ADA bottom rail	10" (254mm)
Nominal (factory preset) bottom rail with adjustable base	7 ⅞" (200mm) AFF

4" (Goldie)

Vertical door stiles	4" (102mm)
Top rail	4" (102mm)
Bottom rail	6" (152mm)
Optional ADA bottom rail	10" (254mm)
Nominal (factory preset) bottom rail with adjustable base	7 ⅞" (200mm) AFF

6" (Phat)

Vertical door stiles	6" (152mm)
Top rail	6" (152mm)
Bottom rail	6" (152mm)
Optional ADA bottom rail	10" (254mm)
Nominal (factory preset) bottom rail with adjustable base	7 ⅞" (200mm) AFF

Single Door in a 4" (Classic) Door Frame

Standard door width	37" (940mm)
Min. door width	35" (889mm)
Max. door width	48" (1219mm)
Standard clear opening width	34 ¼" (870mm)
Max. clear opening width	45 ¼" (1149mm)

Single Door in a 2" (Inspire) Door Frame

Standard door width	37 ¾" (959mm)
Min. door width	35" (889mm)
Max. door width	48" (1219mm)
Standard clear opening width	35" (889mm)
Max. clear opening width	45 ¼" (1149mm)

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

Standard door width per door	37" (940mm)
Standard clear opening width**	
1 door open	35" (889mm)
2 doors open	69 ¾" (1772mm)
Min. clear opening width**	65 ¾" (1670mm)
Max. clear opening width**	91 ¾" (2330mm)



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

Standard door width per door 37 ¾" (949mm)

Standard clear opening width

 1 door open 35 ½" (901mm)

 2 doors open 70 ½" (1791mm)

** At the frame connection, measure finished face to finished face of open doors.

Door height adjustment

 Skirt adjustment ⅝" (16mm) up and
 1 ¾" (44mm)
 down from
 shipping position.

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 Rigid/flex co-
connections extrusion

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

OTHER COMPONENTS

Parametric door sizes available

Glass or solid transom over door (door frame option)

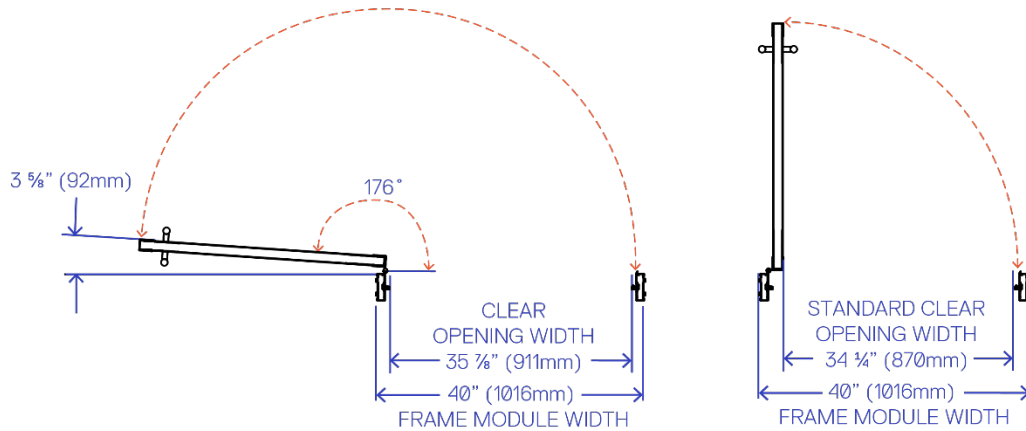
Applied muntins on glass (single- Anodized or
pane glass doors only) powder coat finish
 only

NOTE: DIRTT has designed standard door sizes to maintain a consistent frame module width across styles while also considering the minimum clear opening widths required by Section 1008 of the International Building Code (IBC). It is understood that local codes may supersede these requirements and that alternate sizes may be allowable based on application. Any modifications to door size should be reviewed by the appropriate authority to ensure compliance with applicable codes. While DIRTT designs to meet code requirements, it is the responsibility of others to verify final compliance.

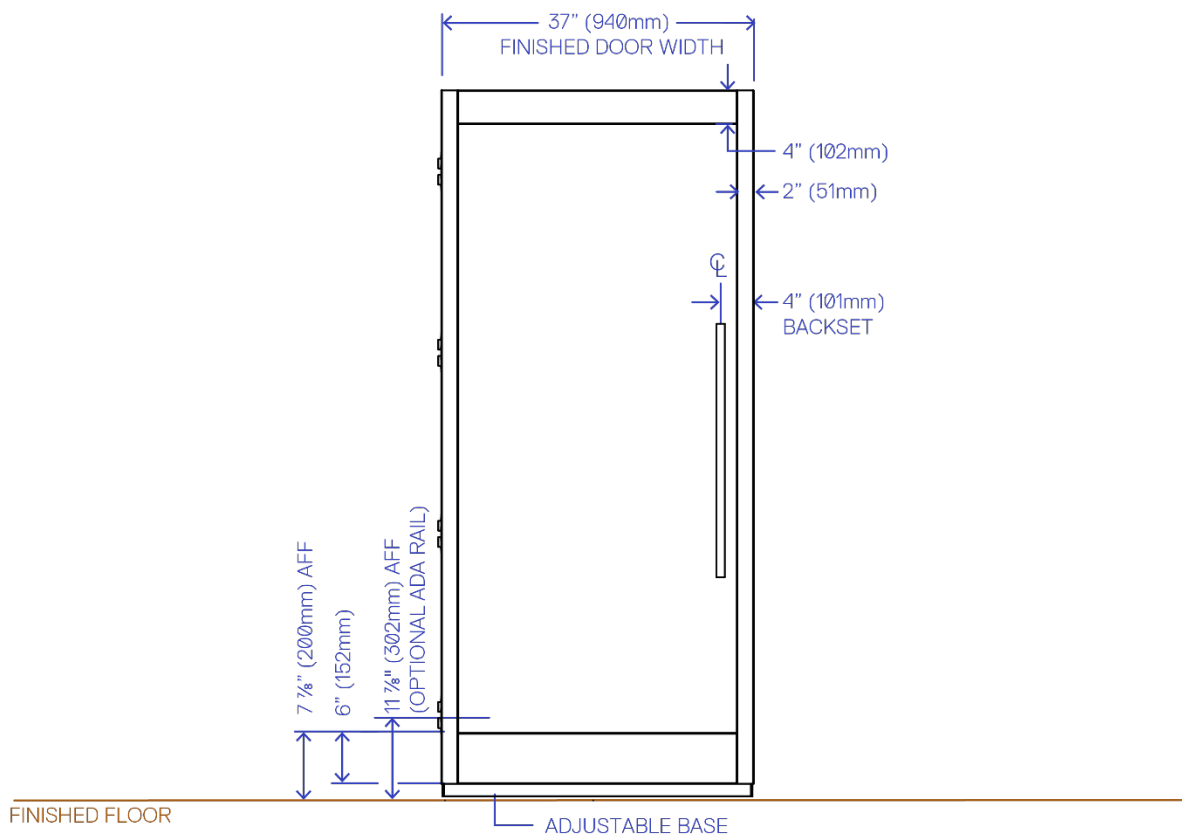


2" (SLIM) SWING (BUTT-HINGE) DOOR - SINGLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



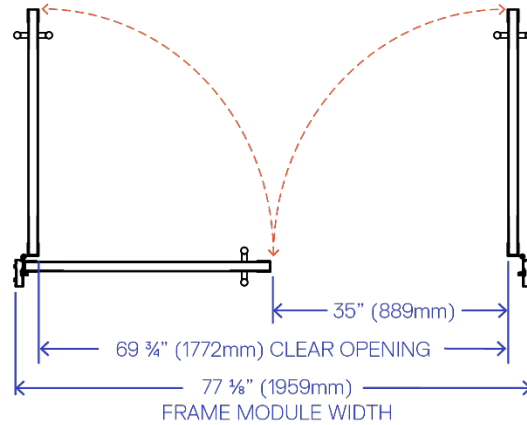
ELEVATION - FRONT VIEW



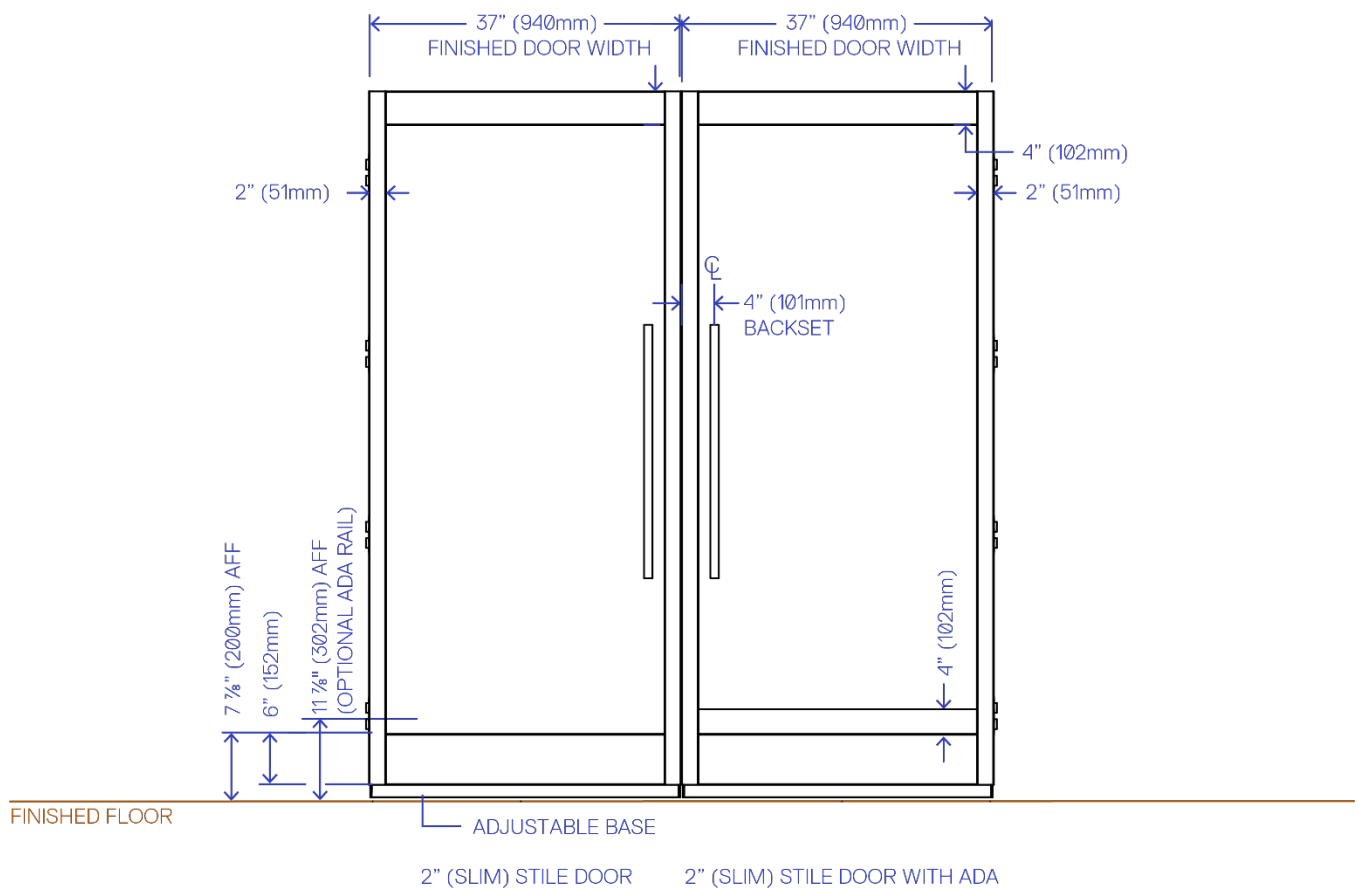


2" (SLIM) SWING (BUTT-HINGE) DOOR - DOUBLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



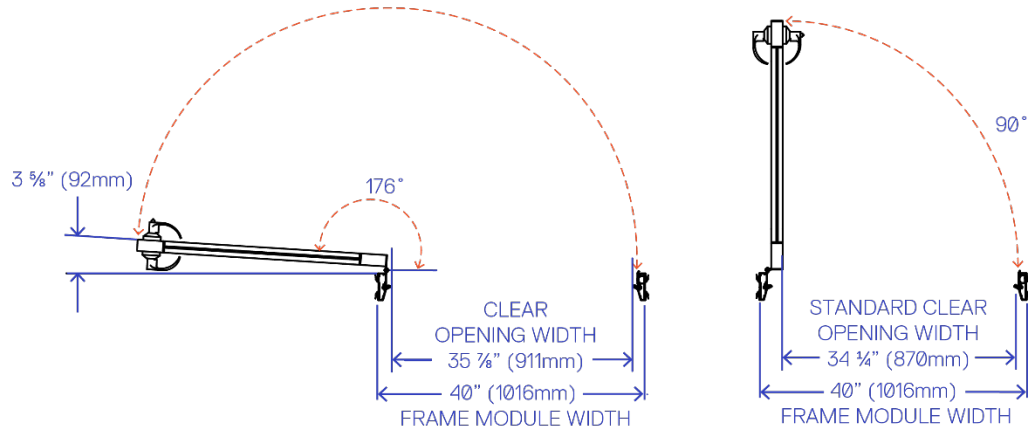
ELEVATION - FRONT VIEW



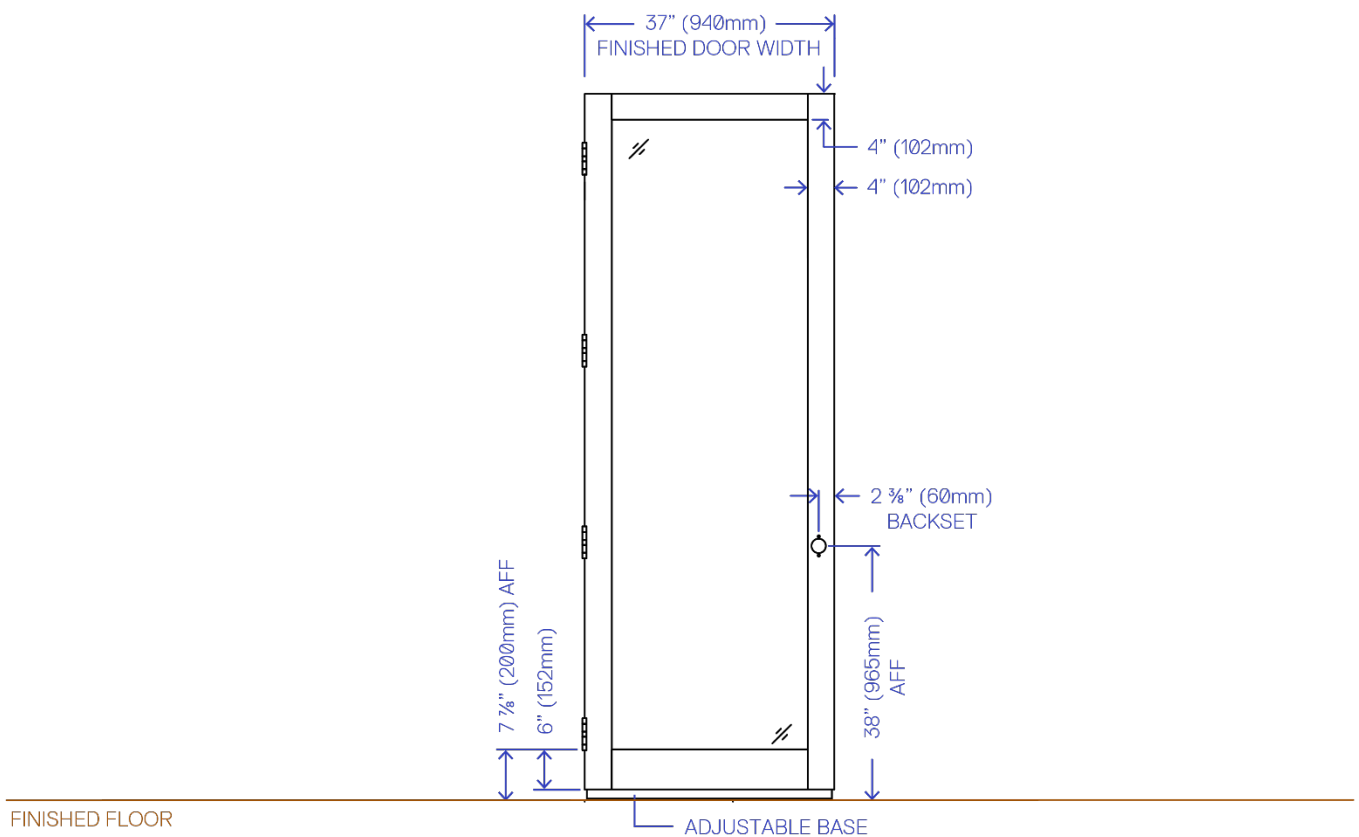


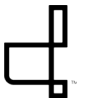
4" (GOLDIE) SWING (BUTT-HINGE) DOOR - SINGLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



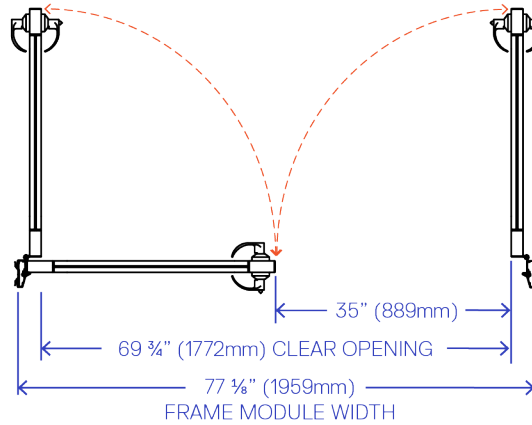
ELEVATION - FRONT VIEW



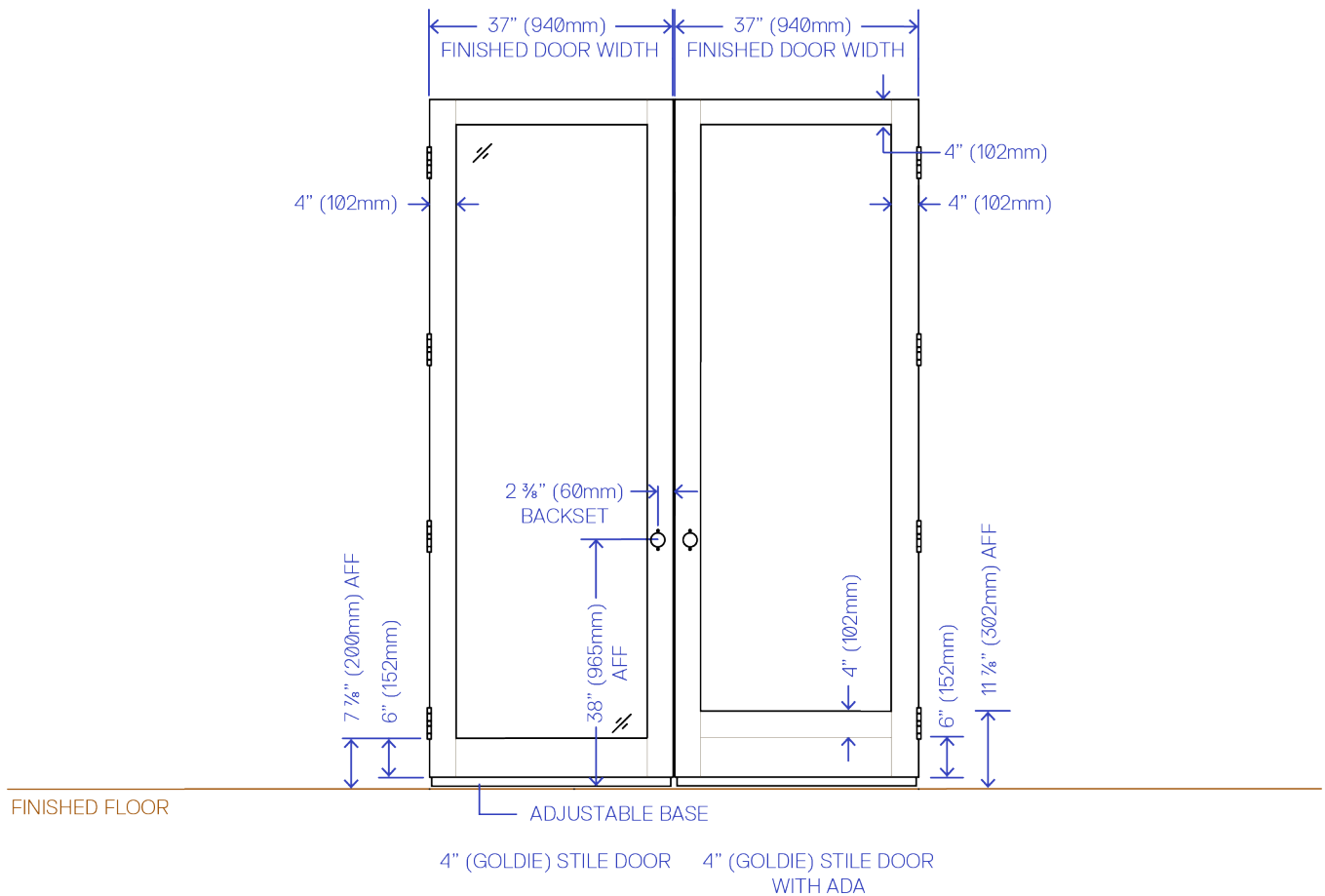


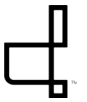
4" (GOLDIE) SWING (BUTT-HINGE) DOOR - DOUBLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



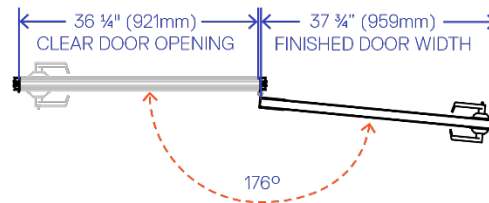
ELEVATION - FRONT VIEW



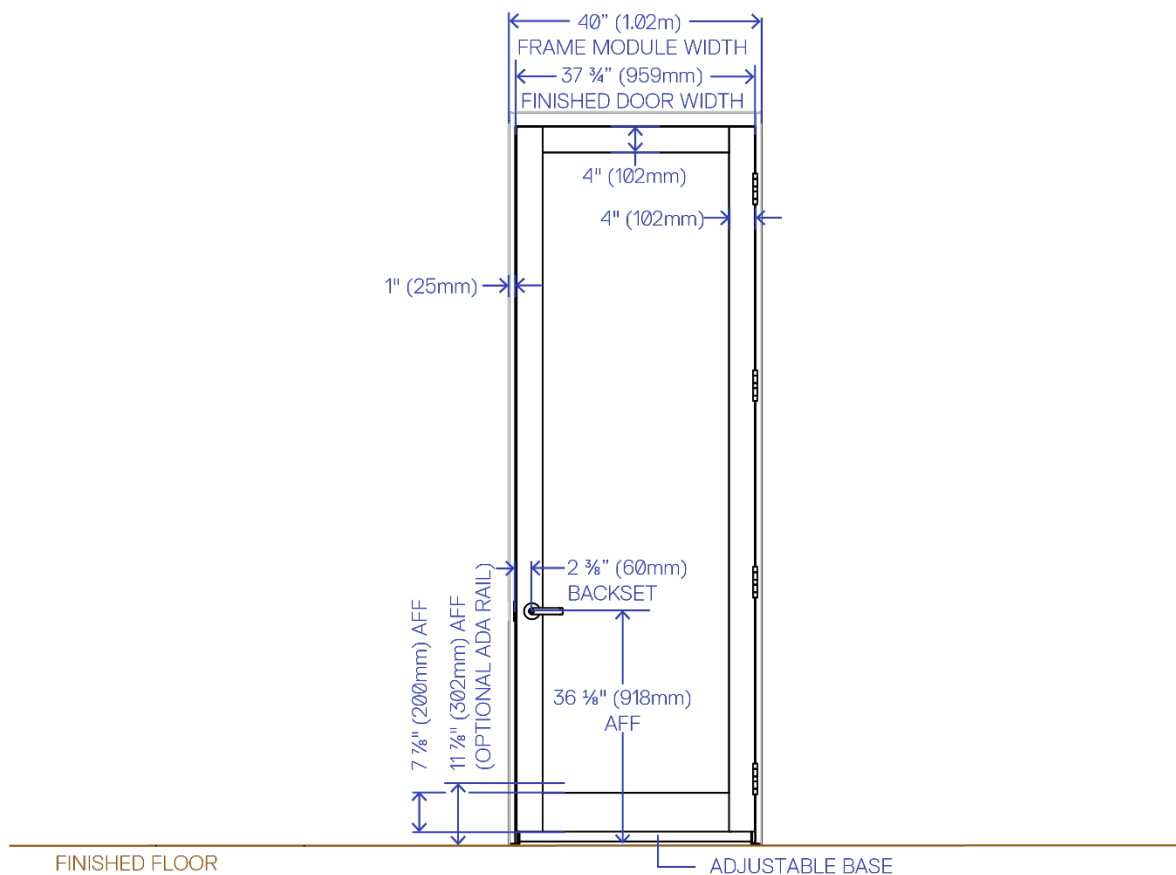


4" (GOLDIE) SWING (BUTT-HINGE) DOOR - SINGLE DOOR IN AN INSPIRE DOOR FRAME

CLEARANCE - TOP VIEW



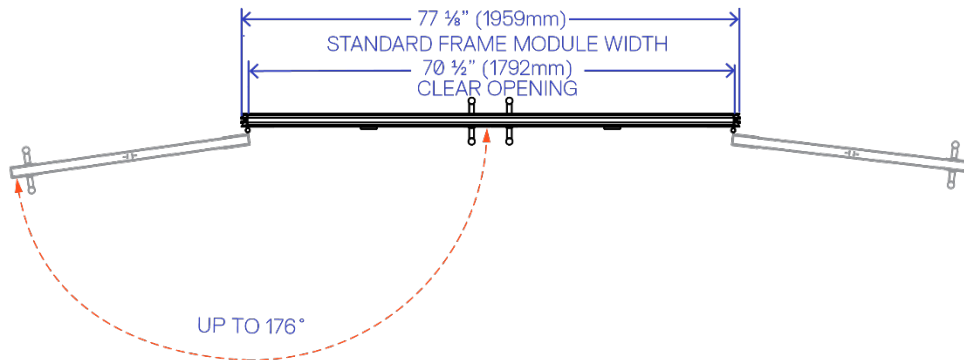
ELEVATION - FRONT VIEW



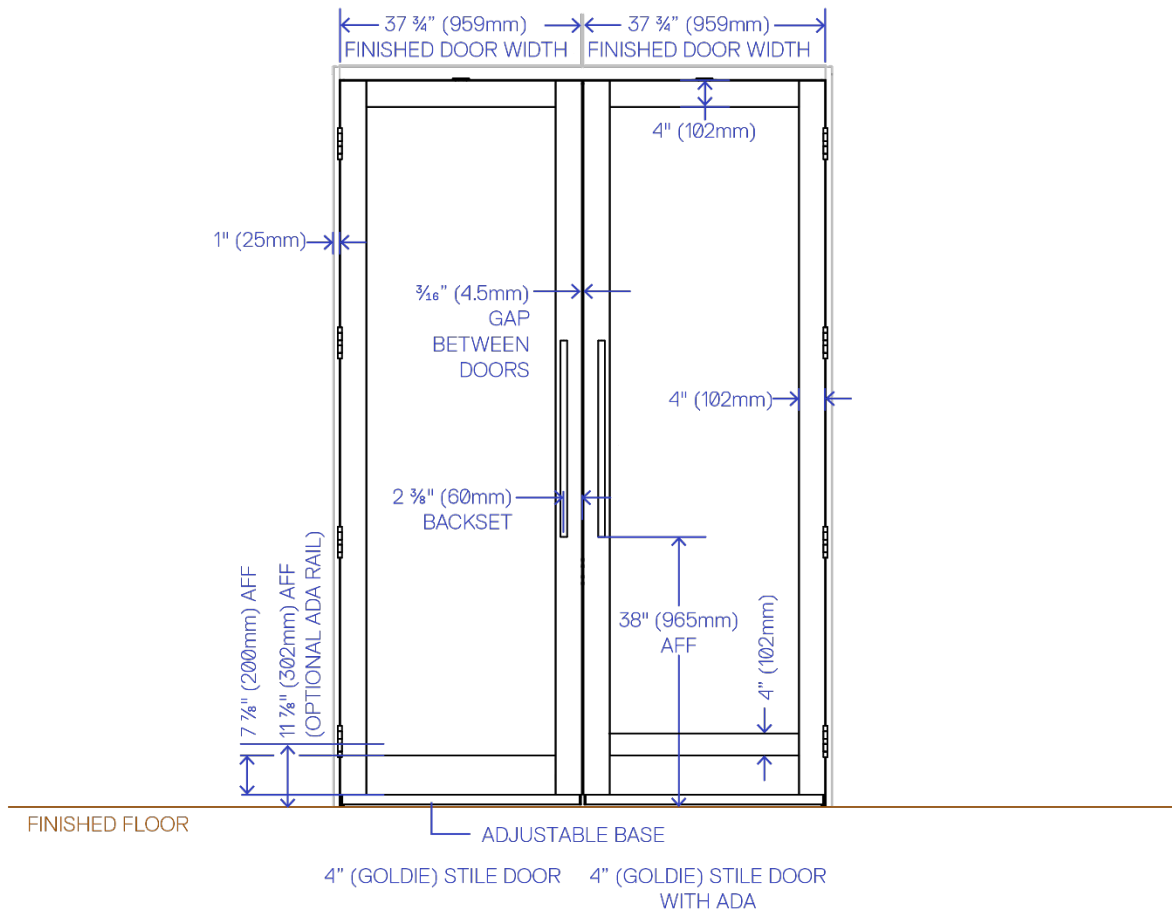


4" (GOLDIE) SWING (BUTT-HINGE) DOOR - DOUBLE DOOR IN AN INSPIRE DOOR FRAME

CLEARANCE - TOP VIEW



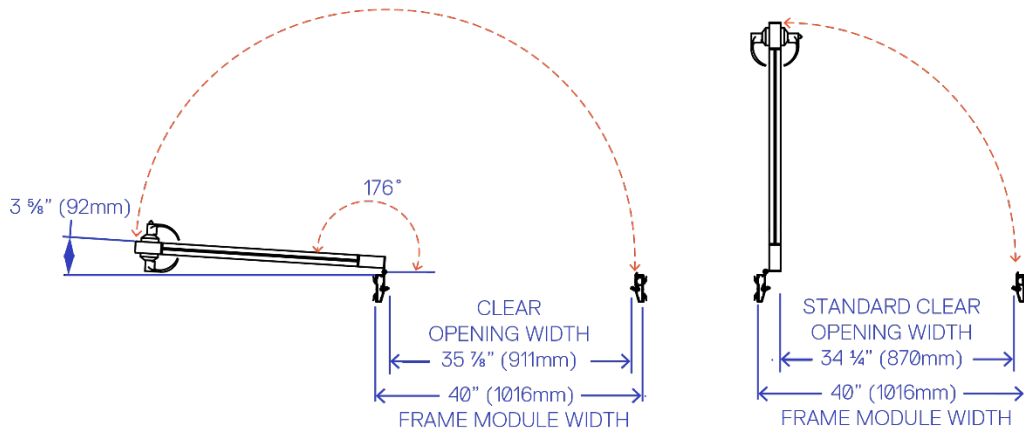
ELEVATION - FRONT VIEW



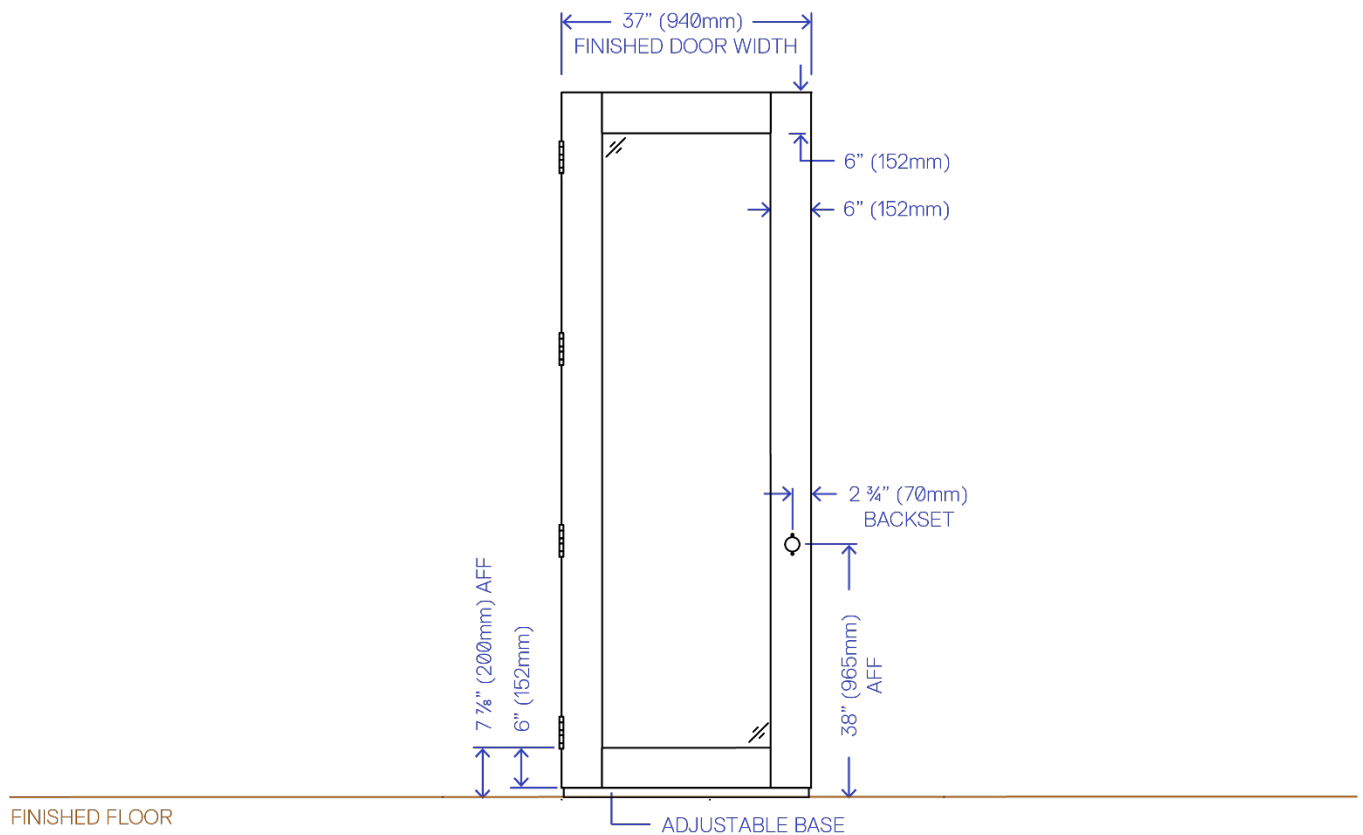


6" (PHAT) SWING (BUTT-HINGE) DOOR - SINGLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



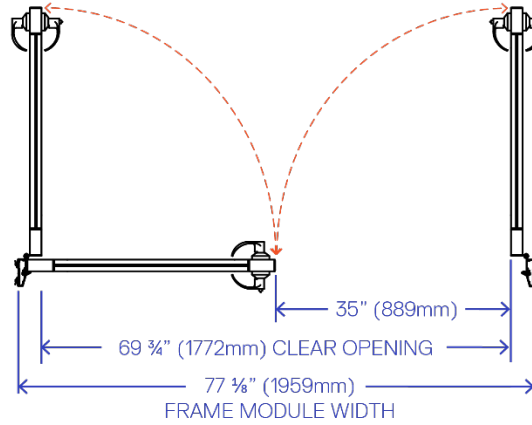
ELEVATION - FRONT VIEW





6" (PHAT) SWING (BUTT-HINGE) DOOR - DOUBLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



ELEVATION - FRONT VIEW

