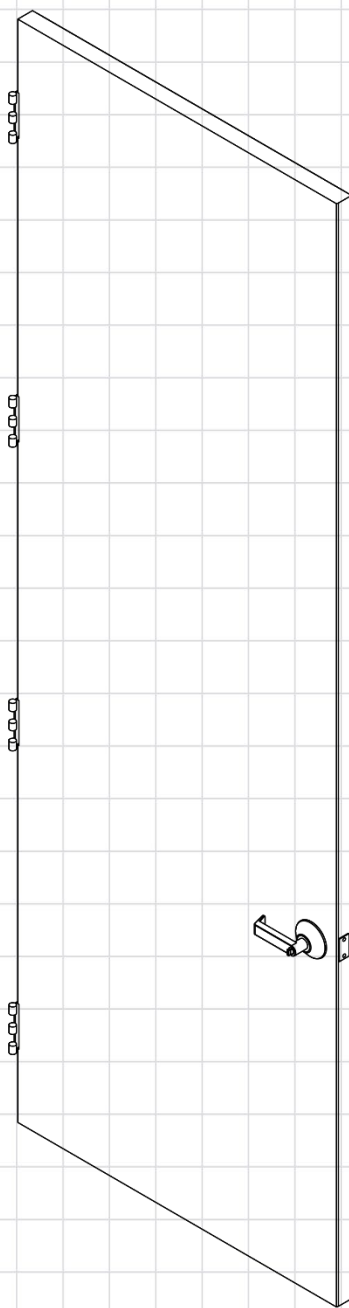
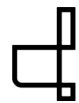


Swing (Butt-Hinge) Solid Core Wood Door

Tech Sheet





COMPONENTS + MATERIALS

ALUMINUM FRAME EXTRUSIONS

Architectural Grade and Structural Aluminum Alloys

Door frame only

Aluminum Door Frame Finish Options

Clear anodized (5 micron standard)

Powder coated

Any color choice

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

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

Door Finish Options

Architectural grade veneer

ChromacoatPlus (painted)

Ultraviolet (UV) cured water-based finish

Thermofoil

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

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

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

Door seal along the hinge and frame header 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

Pemko 303_S Perimeter Gasketing (or equivalent)

[Smoke Doors only](#)

DOOR MATERIALS

Super Ply frame

Particleboard Door Core

Pressed thin high-density fiberboard (door skin) both faces

Solid edging on door stiles

Species of solid edging to match veneer (Veneer finish)

Maple Solid Edging (Chromacoat finish)

OPTIONAL DOOR WITH GLASS LITE

Glass thickness options $\frac{1}{4}$ " (6mm), $\frac{3}{8}$ " (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 lite

Anodized or powder coat finish only

DOOR HARDWARE

Standard Hardware Options

Bar Pulls

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

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

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.

Falcon B-Series 2 $\frac{3}{4}$ " (70mm) backset

Standard mounting height 38" (965mm)

AFF

DIRTT OPTIONAL DOOR HARDWARE

Double Doors

Flush bolt on inactive door at the top

Flush bolts, roller latches

Locking Options

Locking bar pull with top lock

Electromagnetic locks

Cylinder locks, deadbolts and thumbturns



Non-locking Options

Roller latch
Bar pull with a roller latch
Non-locking lever

Smoke Door Hardware

For smoke-rated doors see [Smoke-Rated Door Tech Sheet](#)

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	40" (1016mm)
Maximum (max.) frame width	
Classic	51" (1295mm)
Inspire	50 ¼" (1276mm)

Double (2x) Door Frame Width (Module)

Standard door frame width	
Classic	77 ⅞" (1959mm)
Inspire	77 ⅞" (1959mm)
Max. door frame width	
Classic	99 ⅞" (2517mm)
Inspire	98 ⅞" (2498mm)
Door frame depth	
Classic	4" (102mm)
Inspire	2" (51mm)

Door frame height	
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)

DOOR FRAME FOR SMOKE DOORS

For smoke-rated doors see [Smoke-Rated Door Tech Sheet](#)

DOOR SLAB

Standard door thickness	1 1¼" (43mm)
Max. door weight without closer	
Classic	200lb (91kg)
Inspire	165lb (75kg)
Max. door weight with closer	
Classic	176lb (80kg)
Inspire	165lb (75kg)

Single Door in a 4" (Classic) wall system

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

Single Door in a 2" (Inspire) wall system

Standard door width	37 ¾" (959mm)
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) wall system

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

Double (2x) Door in an Inspire wall system

Standard door width per door	37 ⅞" (949mm)
Standard clear opening width*	
1 door open	35 ½" (901mm)
2 doors open	70 ⅞" (1791mm)

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

Door Height Adjustment

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

OPTIONAL DOOR WITH GLASS LITE

Same as slab door, along with:

Standard vertical door stiles	6" (152mm)
Standard top horizontal	6" (152mm)
Standard bottom horizontal AFF	7 ⅞" (200mm)
Optional ADA bottom horizontal AFF	11 ½" (292mm)

NOTE: Glass Lite size, shape and location on door is customizable by contacting DSS at info@dirtt.com



FRAME CONNECTIONS

DIRTT Wall and/or Drywall to Frame

Hidden links	Frame alignment and gap control
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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 OPTIONS

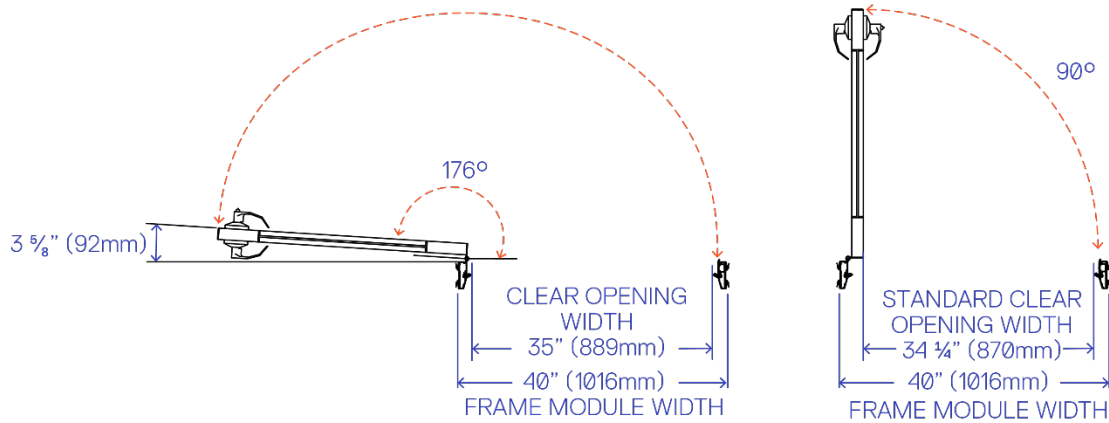
- Parametric door sizes available
- Glass or solid transom over door (door frame option)
- Additional smoke door frame options
 - Butt-hinge frame with stacking glass transom
- COM Doors - Hardware prepared to DIRTT standards

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.

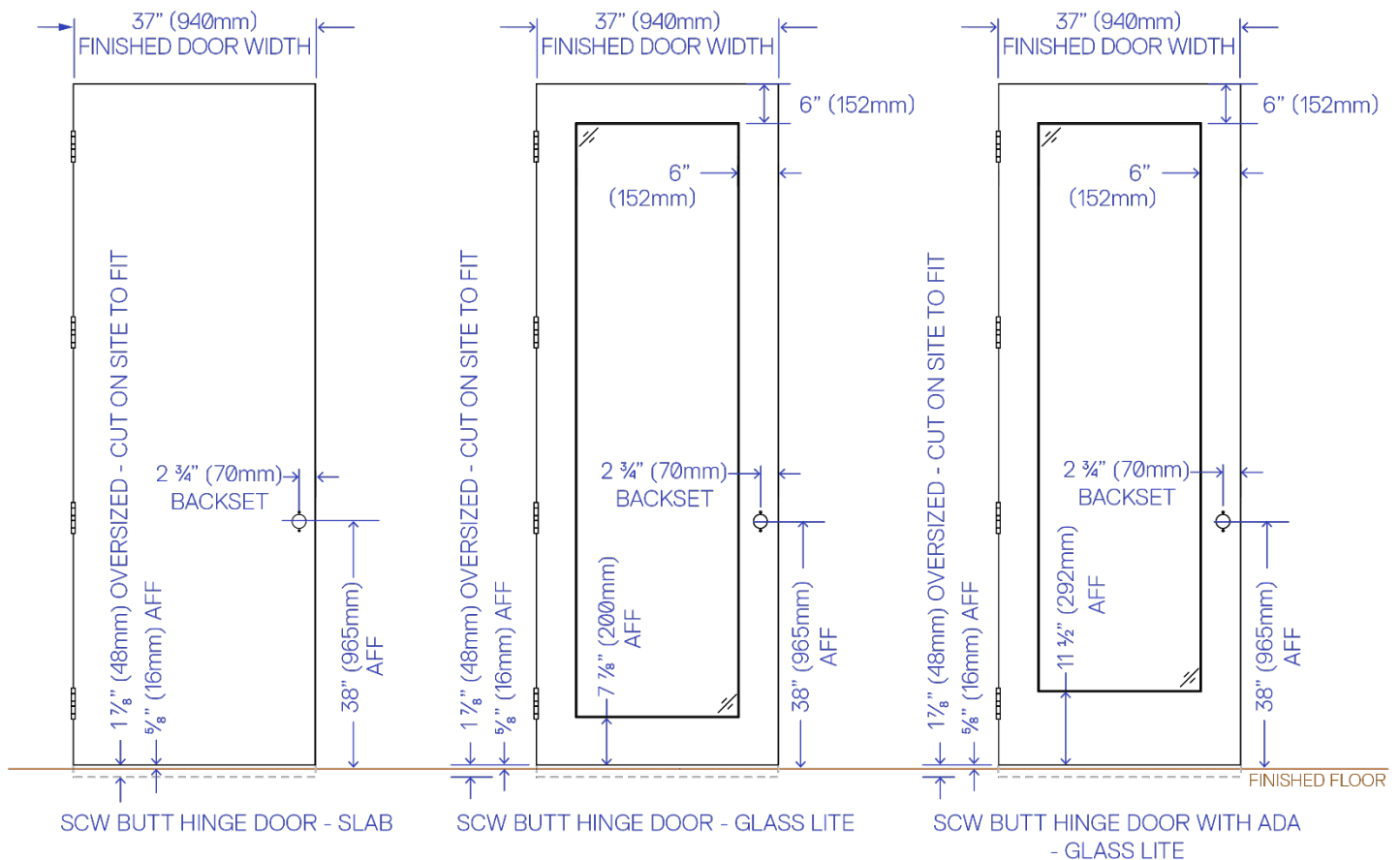


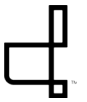
SCW SWING (BUTT-HINGE) DOOR - SINGLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



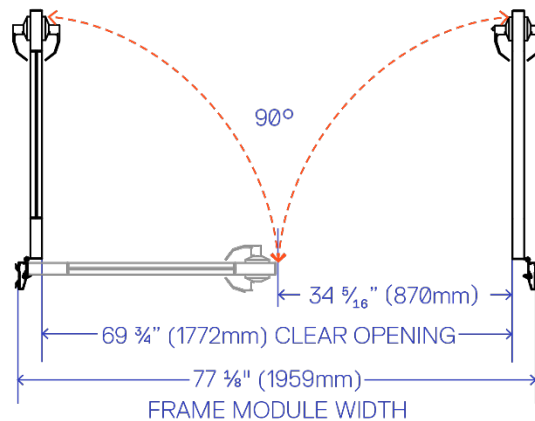
ELEVATION - FRONT VIEW



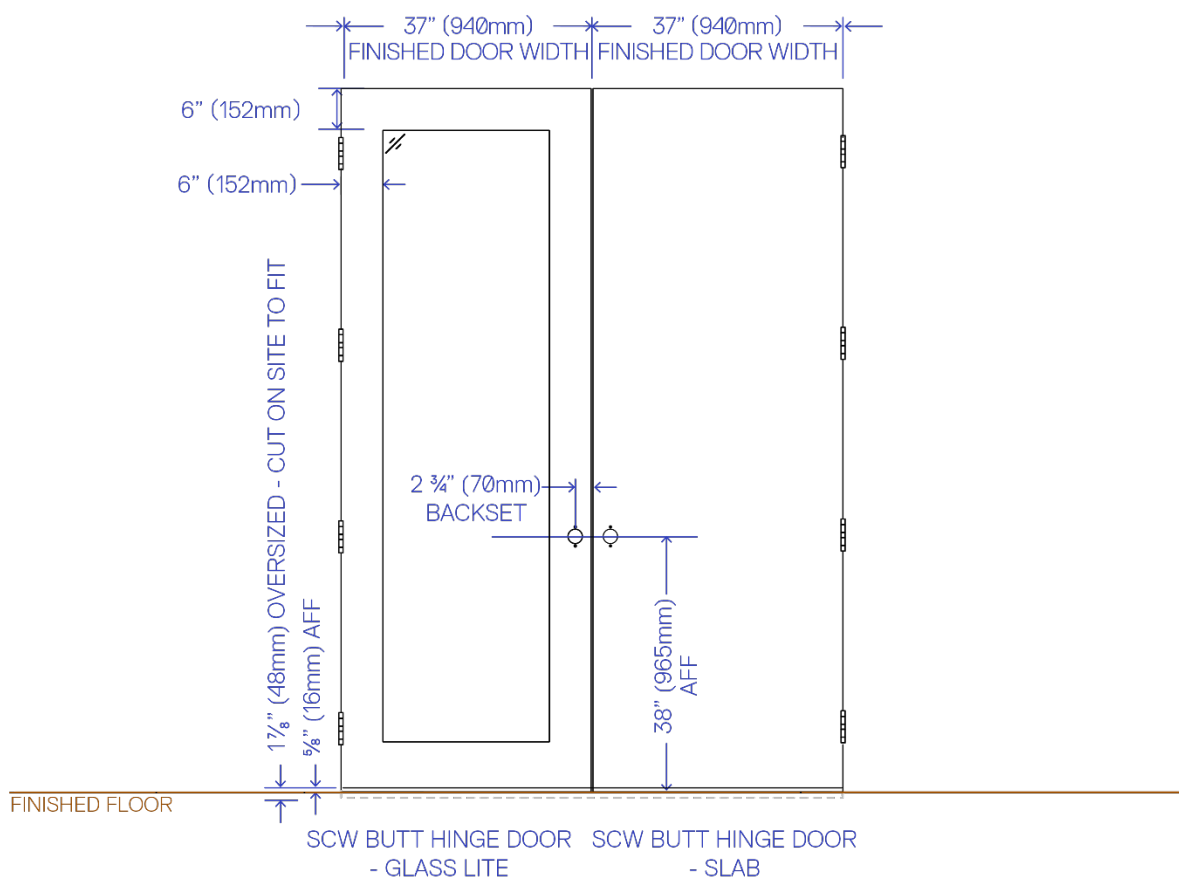


SCW SWING (BUTT-HINGE) DOOR - DOUBLE DOOR IN A CLASSIC DOOR FRAME

CLEARANCE - TOP VIEW



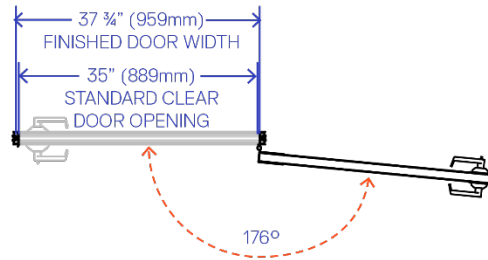
ELEVATION - FRONT VIEW



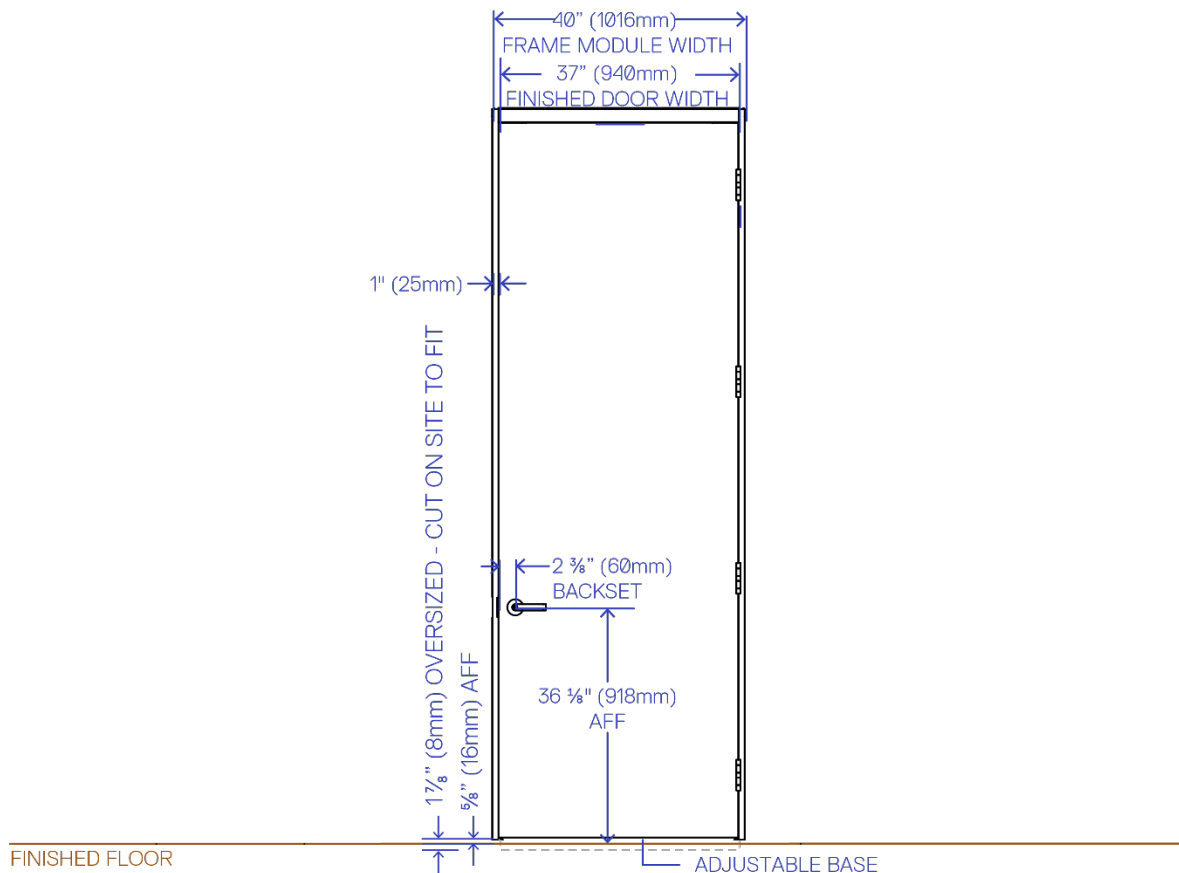


SCW SWING (BUTT-HINGE) DOOR - SINGLE DOOR IN AN INSPIRE DOOR FRAME

CLEARANCE - TOP VIEW



ELEVATION - FRONT VIEW

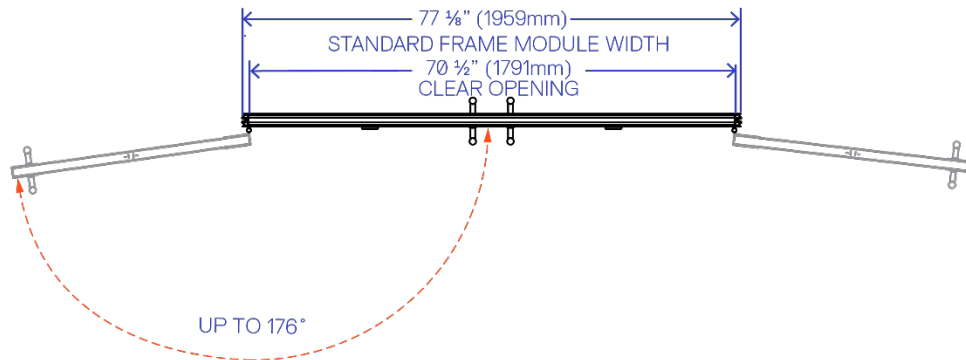




SCW SWING (BUTT-HINGE) DOOR - DOUBLE DOOR

IN AN INSPIRE DOOR FRAME

CLEARANCE - TOP VIEW



ELEVATION - FRONT VIEW

