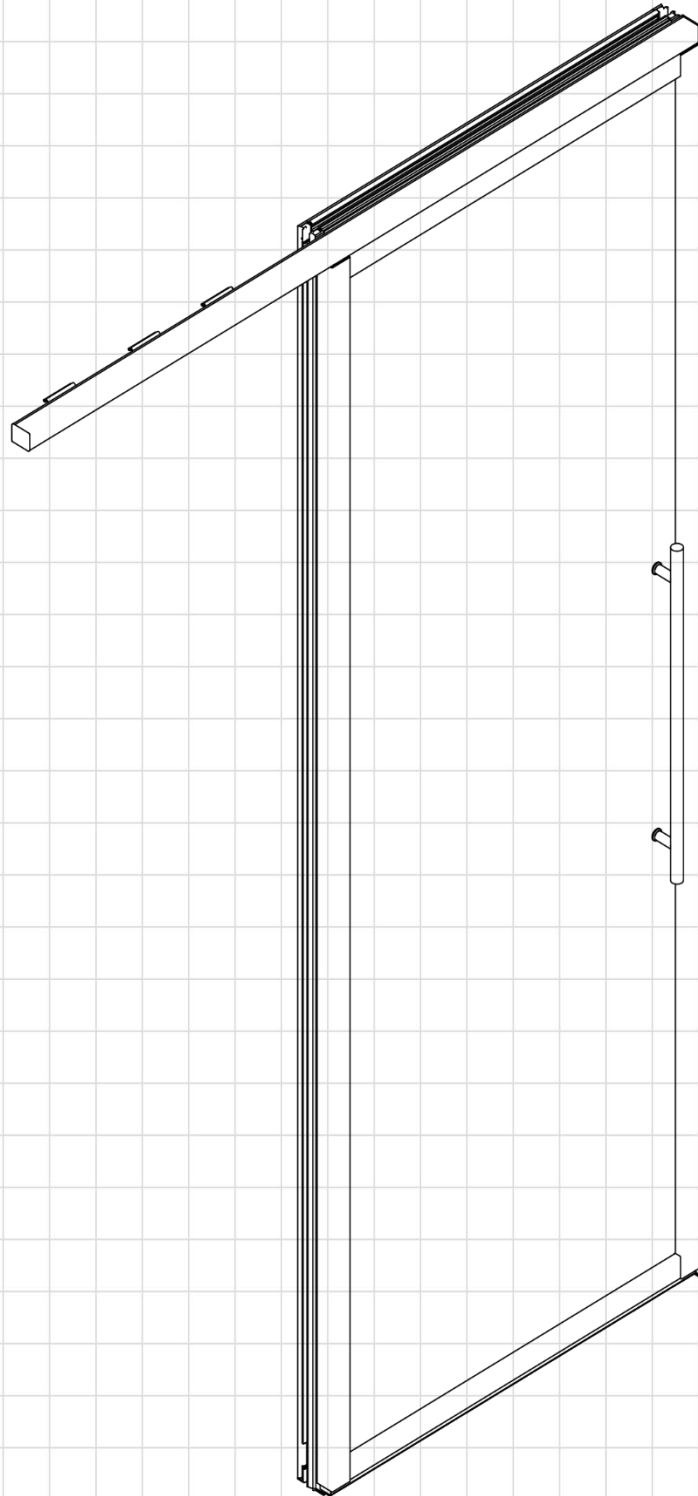


Spectra™ Thin-Profile Sliding (Barn) Door

Tech Sheet





COMPONENTS + MATERIALS

ALUMINUM EXTRUSIONS

Architectural Grade and Structural Aluminum Alloys

Door, door frame, track and track cover extrusions

ALUMINUM EXTRUSION FINISH OPTIONS

Door (rails, stiles and adjustable door skirt)

Clear Anodized

Powder Coated

Any color choice

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

Veneer Wrapped

Door rails and stiles only (excluding double-pane sliding doors)

Adjustable door skirt must be anodized or powder coated

Custom finishes as required

Door Frame (Inspire and 4" wall, vertical and horizontal extrusions)

Clear Anodized

Powder Coated

Any color choice

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

Veneer Wrapped

Veneer is not available for Enzo coplanar frames and Inspire frames.

Custom finishes as required

Track and Track Cover

Clear Anodized

Powder Coated

Any color choice

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

Veneer Wrapped (Track cover only. Track and track end caps cannot be veneer wrapped.)

Custom finishes as required

PVC COMPONENTS

Door Frame

Standard Ceiling Trim for Inspire and 4" wall

Rigid/Flex Co-extrusion

Wall Trim for Inspire and 4" wall

Rigid/Flex Co-extrusion

Zippers for Inspire and 4" wall

Rigid/Flex Co-extrusion

PVC Color Options

Black and silver
No custom colors

Door

Glass Retainer

Rigid/Flex Co-extrusion

PVC Color Options

Black and silver

No custom colors

Door Seal Components

Strike and Guide

Rigid/Flex PVC Co-extrusion

Side Zippers

PVC Color Options

Black and silver

No custom colors

Double Sliding Doors

Z-seal

Glass

Clear Tempered Glass

¼" (6mm), ⅜" (10mm) or
½" (12mm)

NOTE: The double-pane door is limited to the ¼" (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 not available for the double-pane glass door.

Approved custom finishes

Door Hardware

Door Pulls (see separate [DIRTT Pull Specifications](#); for above finished floor (AFF) location, see separate [Standard Pull Height](#))

2" Stile

Pulls mounted through holes drilled in glass when tempered glass is specified.

STANDARD HARDWARE OPTIONS

Bar Pull

12", 12" D-pull, 30" and 72"

Blade Bar Pull

12", 30" and 72"

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

NOTE: The 12" D-pull is not available for the double-pane glass door.

NOTE: The cylindrical shape of the Spectra Double Pane Door Pull Spacer inserted between the glass panes of a double-pane door does not match the rectangular shape of the Blade Bar Pulls.

Bottom adjustable skirt

Anodized or powder coated finish only

Optional Door Hardware

CCE Drop Seal (must use soft-close mechanism)



DIRTT LOCKING OPTIONS

Top-locking Pull	Only available for single-pane doors. Some restrictions apply. Contact info@dirtt.com for more information.
Maglock	Schlage 320M Mini Mortise Mount Electromagnetic Lock

NOTE: Maglocks are available for single-pane and double-pane sliding doors with an additional docking post, contact info@dirtt.com for more information.

DIRTT NON-LOCKING OPTIONS

See DIRTT Pull Specifications

[Bar Pull 12", 30", 72"](#)

[Bar Pull 12" D-Pull](#)

[Blade Bar Pull](#)

See [DIRTT Standard Pull Height](#) for above finished floor (AFF) locations.

CUSTOMER'S OWN MATERIAL

Approved Custom Hardware (Supplied "By Others")

Bottom-locking Pull (single-pane doors only)

TEST RESULTS

Operating Force

Door utilizing 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](#)).

Refer to the [Spectra Thin-Profile Sliding \(Barn\) Door Design and Order Guide](#) for information on closer types and door weight capacities.

Max. Module Width

Single door (single-pane and double-pane doors)	
With drop seal*	44 $\frac{15}{16}$ " (1.135m)
Without drop seal (using soft-close or piston slowdown mechanism)	60" (1.524m)

Min. Module Width

Double Door (single-pane and double-pane doors)	
With drop seal*	77 $\frac{5}{8}$ " (1.972m)
Without drop seal (using soft-close mechanism)	70 $\frac{1}{2}$ " (1.790m)
Without drop seal (using piston slowdown mechanism)	60" (1.524m)

Max. Module Width

Double Door (single-pane and double-pane doors)	
With drop seal*	89 $\frac{3}{8}$ " (2.270m)
Without drop seal	120" (3.048m)
Minimum Ceiling Height	7'-0" (2.134m)
Maximum Ceiling Height	10'-0" (3.048m)
Standard Frame Depth	2" (51mm) or 4" (102mm)

Lower Door Guide/Alignment Plates
Locate to adjacent module for 4" and to frame module for Inspire.

Frame Height
Oversized in height; cut down on-site to suit opening.

DOOR

Standard Door Thickness	1 $\frac{3}{4}$ " (44mm)
Standard Door Width	40 $\frac{1}{4}$ " (1.022m)
Min. Door Width	
(Single-pane and double-pane doors)	
With drop seal*	39 $\frac{1}{16}$ " (992mm)
Without drop seal (using soft-close mechanism)	35 $\frac{1}{2}$ " (902mm)
Without drop seal (using piston slowdown mechanism)	30 $\frac{1}{4}$ " (768mm)

Max. Door Width

(Single-pane and double-pane doors)	
With drop seal*	44 $\frac{15}{16}$ " (1.141m)
Without drop seal (using soft-close or piston slowdown mechanism)	60 $\frac{1}{4}$ " (1.530m)

***NOTE:** Drop seal is ordered at 44 $\frac{1}{2}$ " (1.130m). It cannot be cut off more than 5 $\frac{15}{16}$ " (150mm).

Standard Clear Opening Width

Single Door (4" Walls)	32 $\frac{5}{16}$ " (821mm)
Single Door (Inspire Walls)	32 $\frac{1}{8}$ " (816mm)

DIMENSIONS + DETAILS

DOOR FRAME/MODULE

Standard Module Widths

Single door	40" (1.016m)
Double door	80" (2.032m)

Min. Module Width

Single door (single-pane and double-pane doors)	
With drop seal*	38 $\frac{13}{16}$ " (986mm)
Without drop seal (using soft-close mechanism)	35 $\frac{1}{4}$ " (895mm)
Without drop seal (using piston slowdown mechanism)	30" (762mm)



Double Door (4" and Inspire Walls)	66 ¼" (1.682m)
Double Door Clear Opening Width	
1 Door open	33 ⅞" (843mm)
2 Doors open	66 ¼" (1.683m)
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" (1.016m) module width using a 4-roller soft-close mechanism	160lb (72kg)
Doors over 40" (1.016m) module width using an 8-roller soft-close mechanism	200lb (91kg)

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

NOTE: See the [Spectra Thin-Profile Sliding \(Barn\) Door Design and Order Guide](#) and [Barn Door Weight Limit](#) DSS article for more information on closer types and door weight capacities, or contact info@dirtt.com.

Door Height Adjustment

Skirt adjustment	⅜" (10mm) up and down ⅜" (5mm) per rung
Drop seal throw	½" (12mm) at max (gap from AFF to seal underside)
Standard Vertical Door Stiles	2" (51mm)
Standard Top Rail	2" (51mm)
Standard Bottom Rail	2" (51mm)
Optional ADA** Applied Kick Plate	10 ⅞" (276mm)

Stainless steel and anodized available for single-pane doors. Powder coat options are available for both single-pane and double-pane doors.

****NOTE:** Bottom option for aesthetic matching only; not required by code.

Track Assembly***

Track Height	1 ⅞" (40mm)
Track Width (standard)	73 ½" (1.867m)
Double Door Track Width (standard)	146 ¾" (3.728m)
Track Depth	1 ⅞" (48mm)
Soft-Close Mechanism (4-roller or 8-roller)	Attached to track
Piston Slowdown Mechanism (4-roller or 8-roller)	Attached to track

*****NOTE:** This door uses all standard track products.

FRAME CONNECTIONS

DIRTT WALL AND/OR DRYWALL TO FRAME

Hidden Links	Frame alignment and gap control.
Standard Clear Opening Width	At frame connection between the door frame and the adjacent frame.
Over-sized and Double Doors	Must have seismic brackets installed to support track at middle of joint.

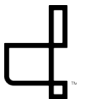
Trim Components

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.

OTHER COMPONENTS

Parametric door sizes available	
Glass or solid transom over door (door frame option)	
Applied muntins on glass (single-pane doors only)	Anodized or powder coat finish only
Drywall face-mounted sliding door	

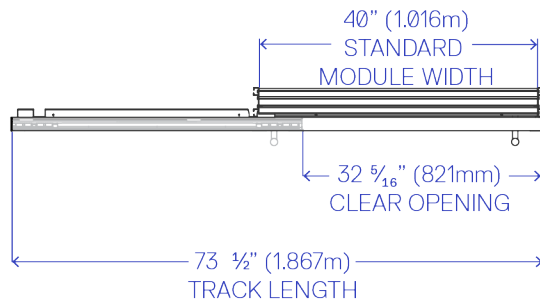
NOTE: DIRTT has designed the standard door sizes to have a consistent frame module width between styles and consider the minimum clear opening widths as required by section 1008 of the International Building Code (IBC). It is understood that local codes may supersede these requirements, and that alternate 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.



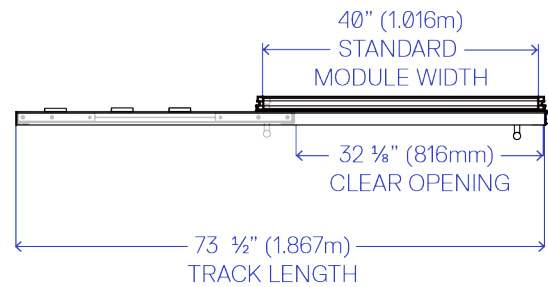
SPECTRA THIN PROFILE SLIDING (BARN) SINGLE DOOR - 4" AND INSPIRE

CLEARANCE - TOP VIEW

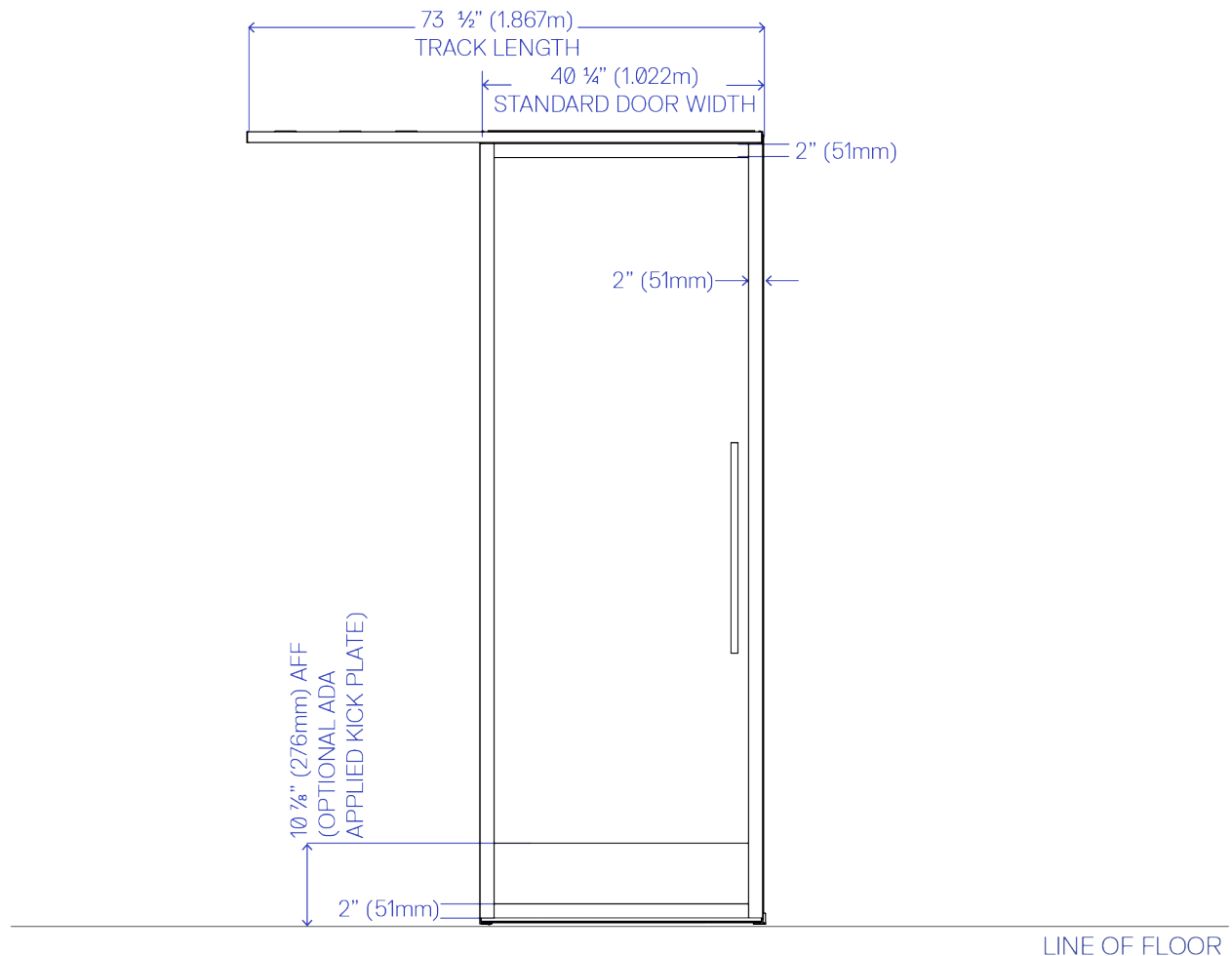
4" WALL



INSPIRE



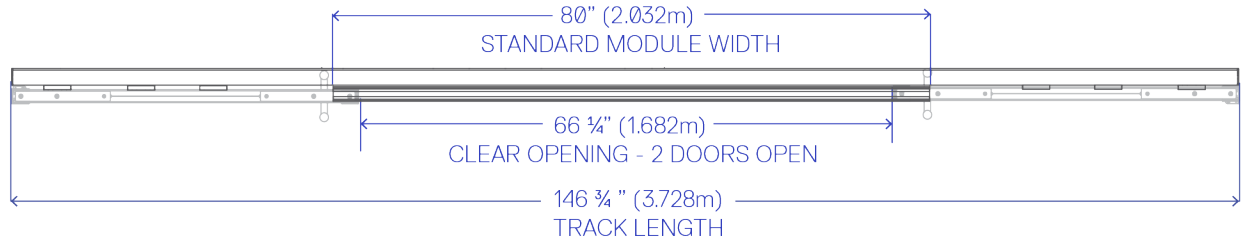
ELEVATION - FRONT VIEW





SPECTRA THIN PROFILE SLIDING (BARN) DOUBLE DOOR - 4" AND INSPIRE

CLEARANCE - TOP VIEW



ELEVATION - FRONT VIEW

