

KriegerSonic STC 45 Wood Veneer Door

Model: NC3-WV-STC45



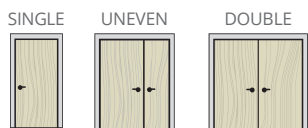
STC 45
Acoustical Rating

ADA
COMPLIANT

FIRE RATED
UP TO 60 MINUTES

2" THICK
DOOR PANEL

The KriegerSonic acoustical door is custom engineered with an STC 45 sound rating and our unique compression sound seal system—all in a 2" thick door panel with custom wood veneer. It's ideal for installations that require high-performance sound control and a specialty finish.



Configurations

Available in single, uneven paired, and double door assemblies; two-panel options come with an astragal or removeable mullion.

Frame

Innovative frame design includes slip-in with trim, Z anchor, nailing straps, T anchor, and punch & dimple.

Door Panel

Typical 2" thick panel with seamless edge on top and sides, and adjustable door bottom. ADA-compliant for push/pull maximum force.

Wood Finishes

Krieger offers a full range of wood veneers to match your project's aesthetic.

Species and Type

Select the type of wood or species you prefer. Forest Stewardship Council® (FSC®) certified wood is available.

Finish Options

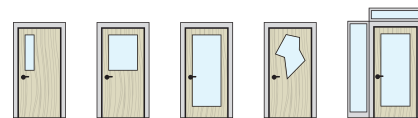
Specify whether you need unfinished or clear coat; for stained finishes, send us a stain sample to ensure a perfect match.

Standard Hinge

Krieger's standard hinge comes with doors rated up to STC 45; option to add an electrified hinge.

Sound Seal

Unique seal system includes NC3 perimeter seal and NC2 door bottom seal for optimal sound control, even on uneven floors.



Vision Lights

Available with fully customizable vision lights, side lights, and transoms.

Threshold

Krieger's 1/4" aluminum threshold meets ADA requirements and guarantees the acoustical rating.

Customize Your Assembly

Contact your Krieger Regional Sales Manager to discuss your project requirements, get a quote, and request full test report data.

Call us at 877.671.7011 or visit KriegerProducts.com to get started.

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Tests and Certifications

- STC 45 acoustical rating ensures professional, commercial-quality sound control.
- Krieger acoustical doors are available up to STC 55.
- Superior low frequency sound control due to higher weight density (pounds per sq. foot) of proprietary door panel design.
- Tested to: ASTM E90, ASTM E336, ASTM E1408, ASTM E413, ASTM A 1008, JUIAF, JAFAN, DCID 6/9, and ICPM 2006-700-7.

Door and Frame Construction

- Choice of frame design includes: slip-in with trim, Z anchor, nailing straps, T anchor, and punch & dimple.
- Unique compression sound seal system includes Krieger's NC3 perimeter seal and NC2 door bottom seal.
- NC2 semi-mortised door bottom adjustability ensures optimal performance, even on uneven floors.
- Features 2" thick door panel and can meet all specifications for size, finish, and performance; contact us to customize your assembly.
- Door panel meets ADA requirements for push/pull maximum force.
- Comes with an ADA-compliant 1/4" aluminum threshold.

Fire Labels and Positive Pressure

- **Up to 60 Minutes:** UL 10C, UBC 7-2, UBC 7-4, 250°, 450°, 650° temperature rise up to 10'0" x 9'10" opening size
- **Smoke Labels:** Up to 20 minutes

Door Sizes

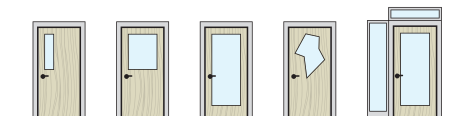
- Acoustical doors are available in standard and custom sizes, including oversized doors.

Hardware

- Standard hinge comes with doors rated up to STC 45, with option to add a non-load-bearing electrified hinge.
- Designed to interface with recommended builder's hardware, including latches and locksets, panic devices, security hardware, access controls, and other options.

Wood Veener Finishes

- Krieger offers a full range of custom wood veneers to perfectly complement your project.
- Select the wood species or type of wood veneer, and whether you need unfinished or clear coat finish.
- If you need a stained finish, send us a stain sample to ensure a perfect match.
- Forest Stewardship Council® (FSC®) certified wood is available.



Vision Lights • Side Lights • Transoms

Fully customizable vision lights, side lights, and transoms are available. Krieger offers tested and certified glass options, including acoustical glass, fire-rated glass, smart glass, clear glass, optical white glass, low-emissivity (low-e) glass, and more.

Acoustical Door Noise Levels

This chart provides example noise levels for reference only. Consult your acoustician for a recommendation on the appropriate STC (sound transmission class) rating for your project.



STC Rating
36 to 40

Loud Speech
Heard But Not
Understood



STC Rating
41 to 44

Loud Speech
Quietly Audible

THIS MODEL



STC Rating
45 to 48

Loud Speech
Not Audible



STC Rating
49 to 53

Music and
Heavy Traffic
Barely Heard



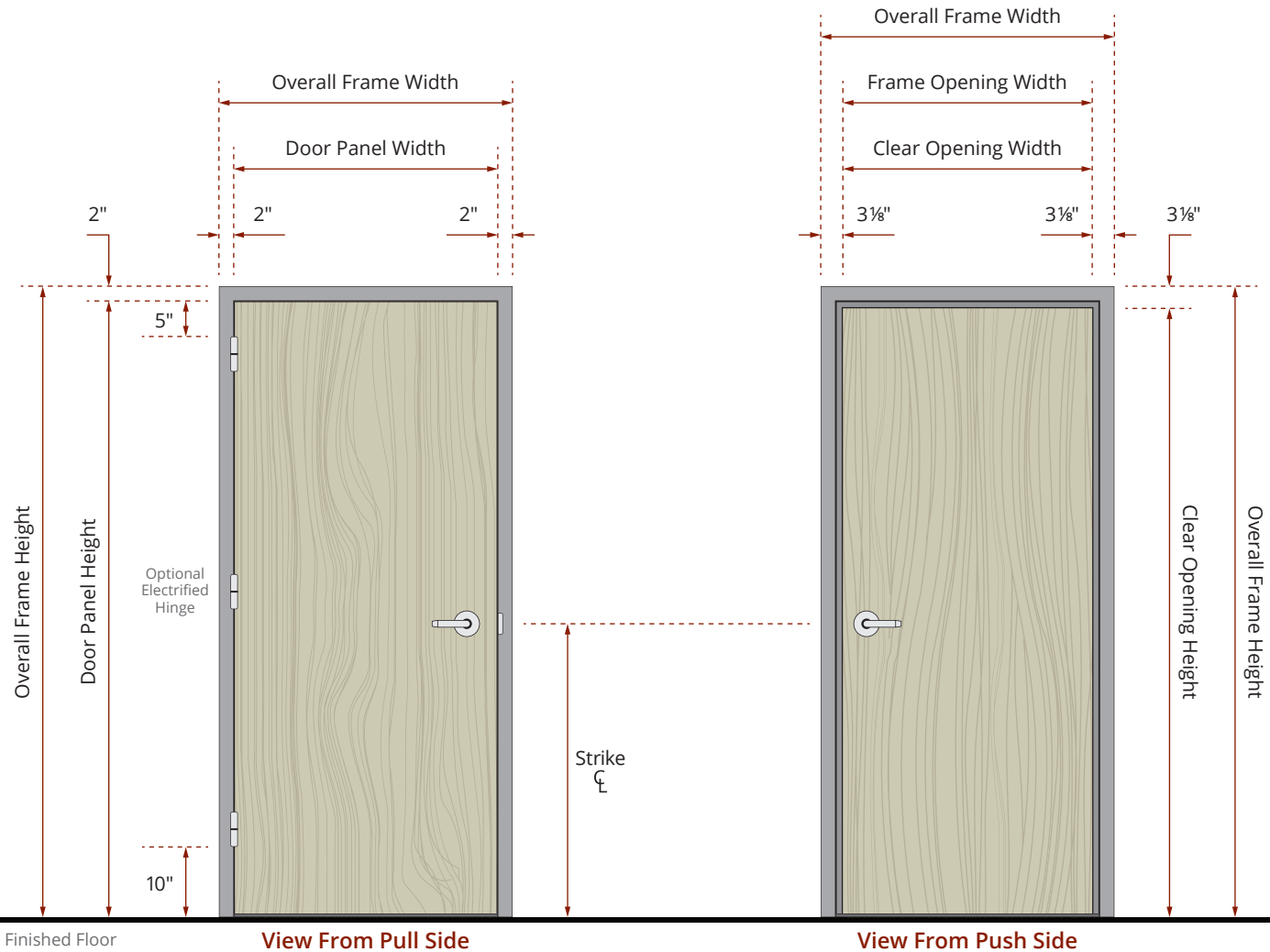
STC Rating
55

Only Extremely
Loud Sounds
Are Heard



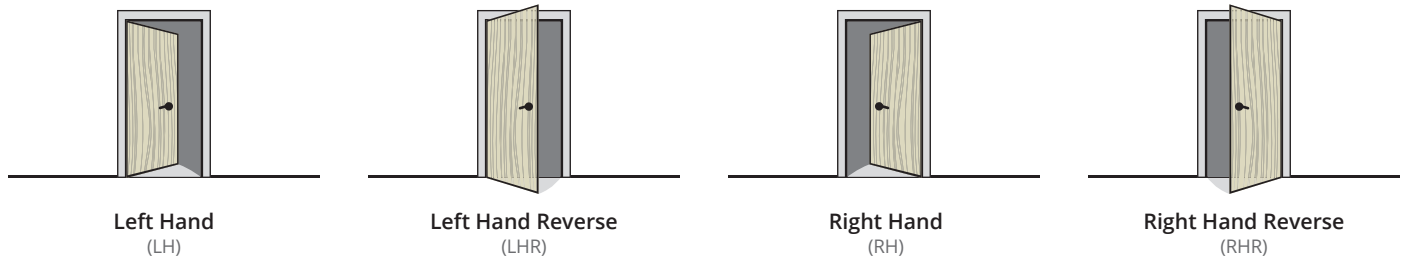
Elevation View

Single Door



Door Handing Options

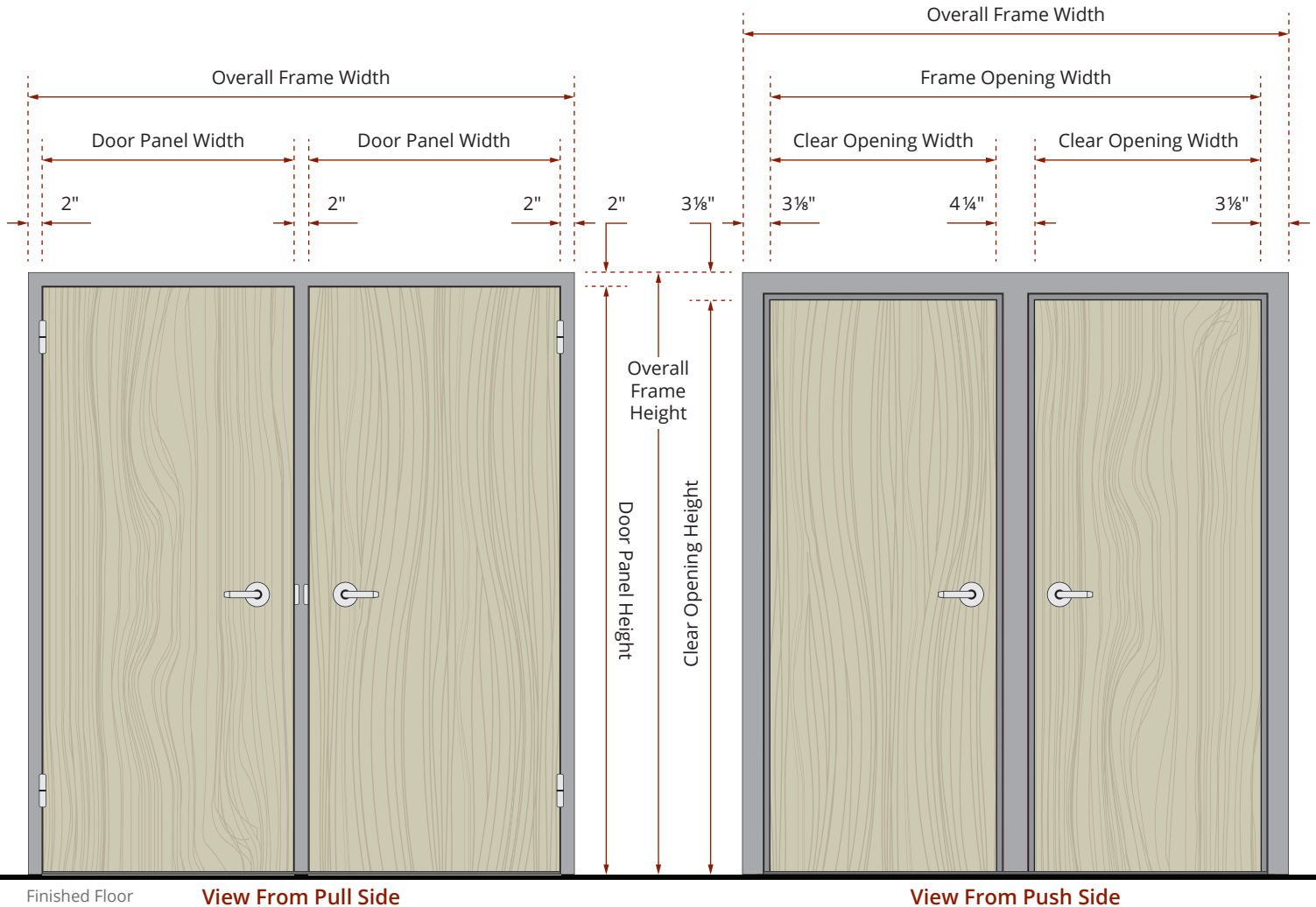
KriegerSonic doors are available in any door handing configuration your project requires.





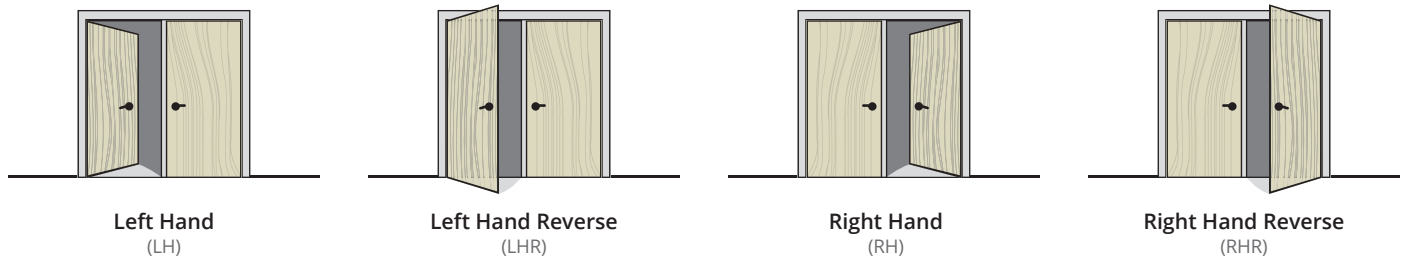
Elevation View

Double Door With Mullion



Door Handing Options

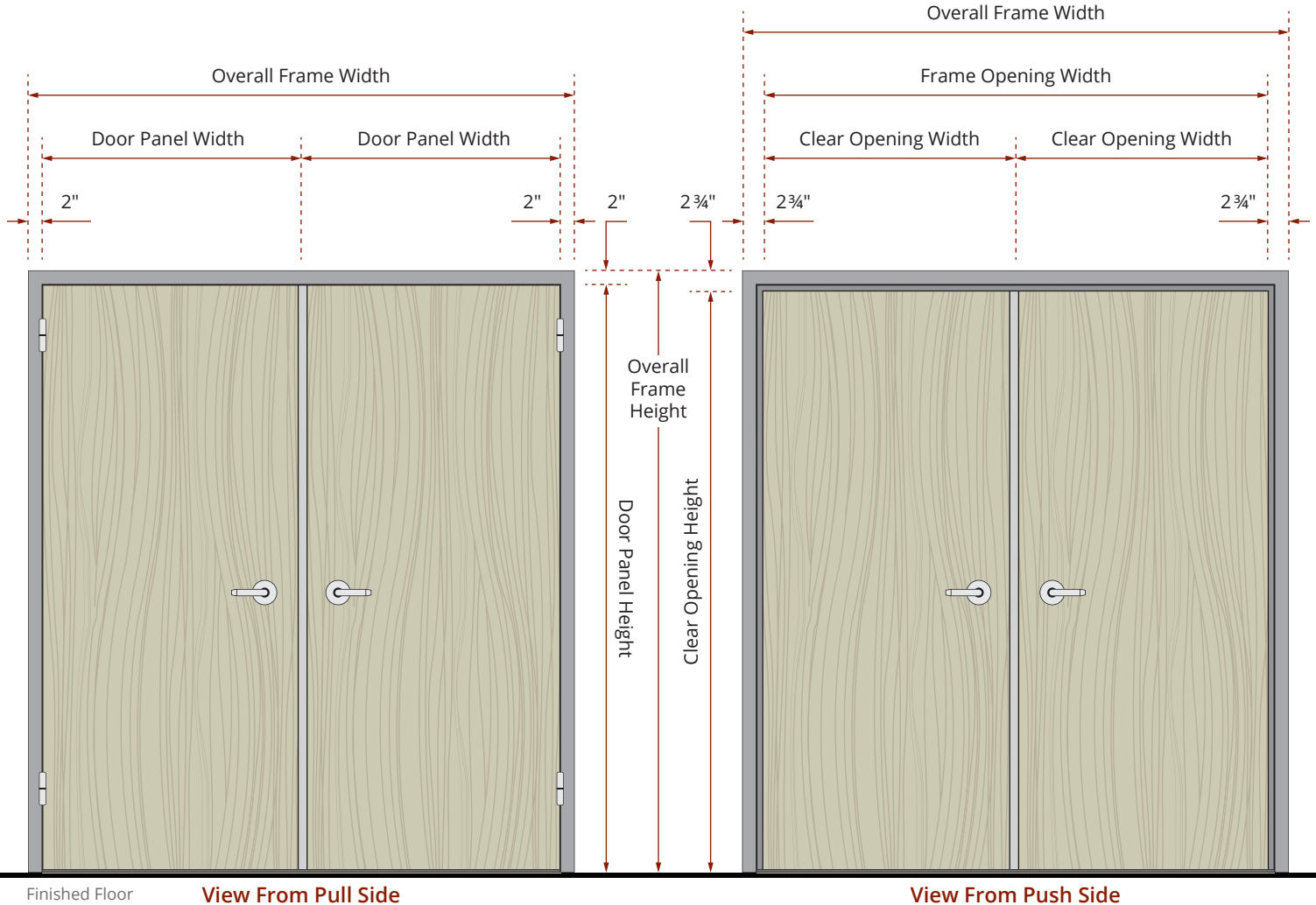
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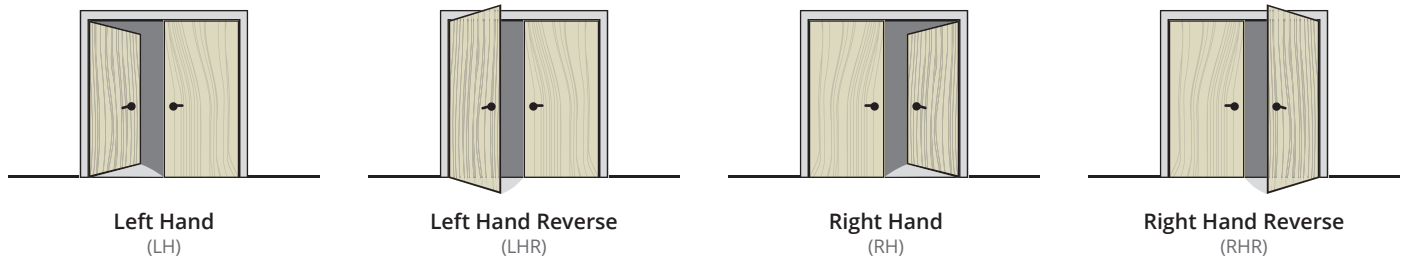
Elevation View

Double Door With Astragal



Door Handing Options

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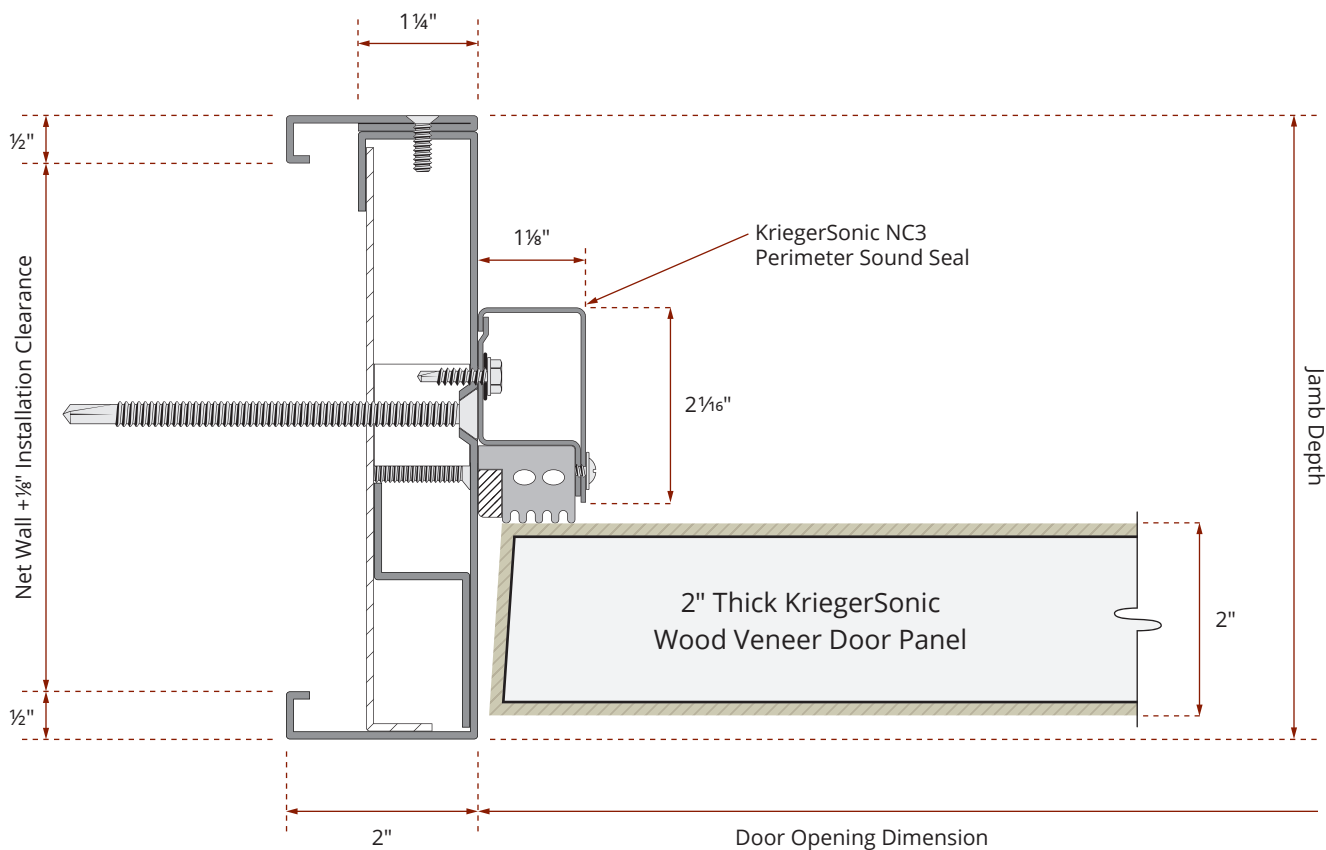
Frame Detail

Slip-In With Trim Frame

Z anchor, nailing straps, T anchor, and punch & dimple frames are also available.

Door Panel

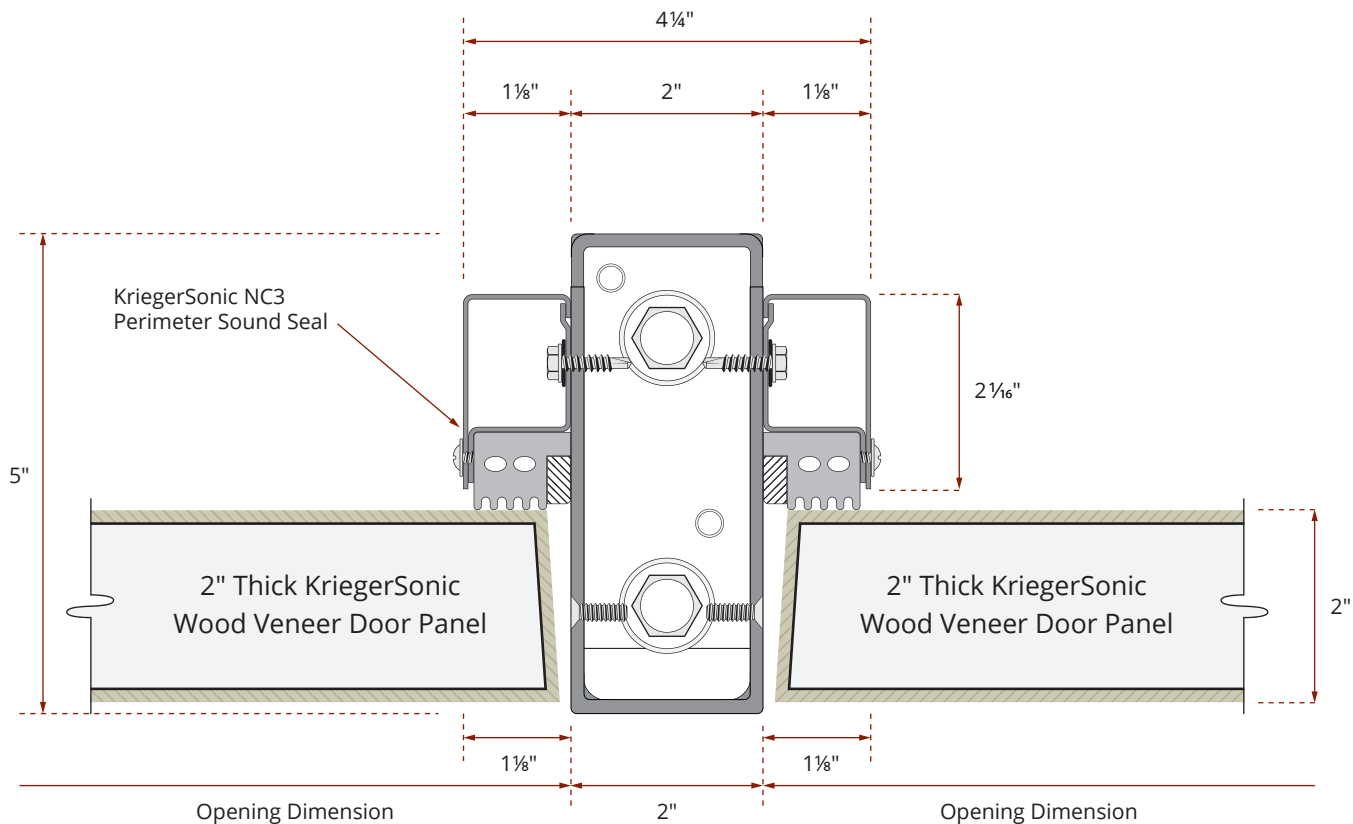
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Frame Detail

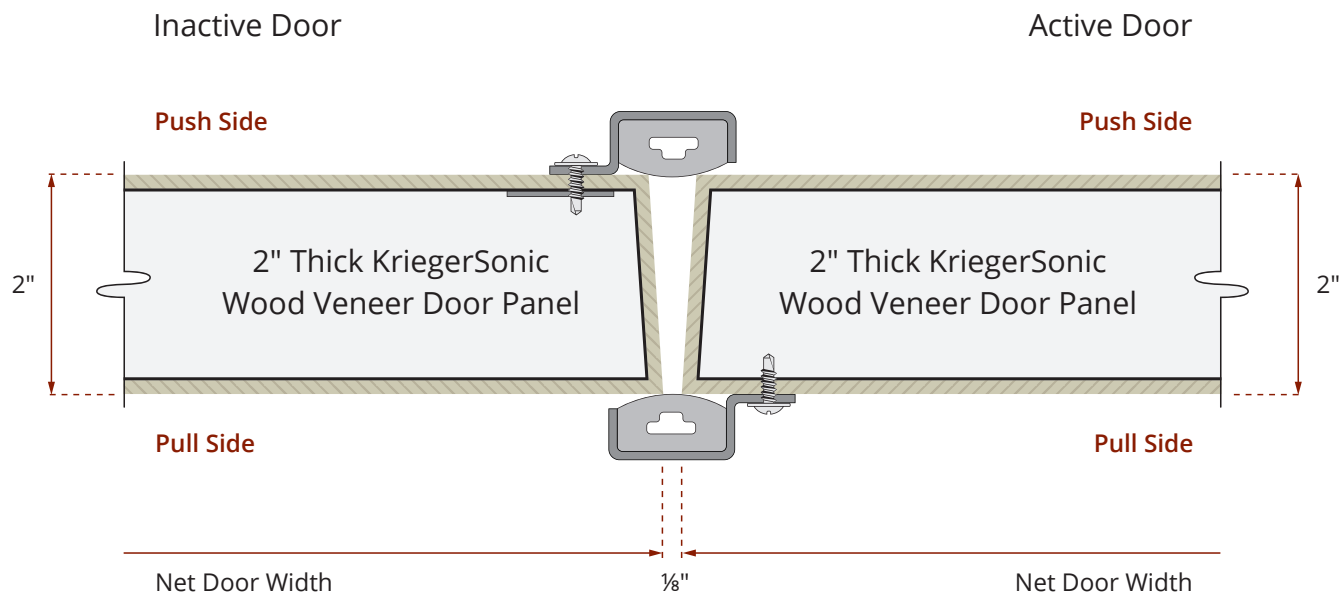
Mullion Detail





Frame Detail

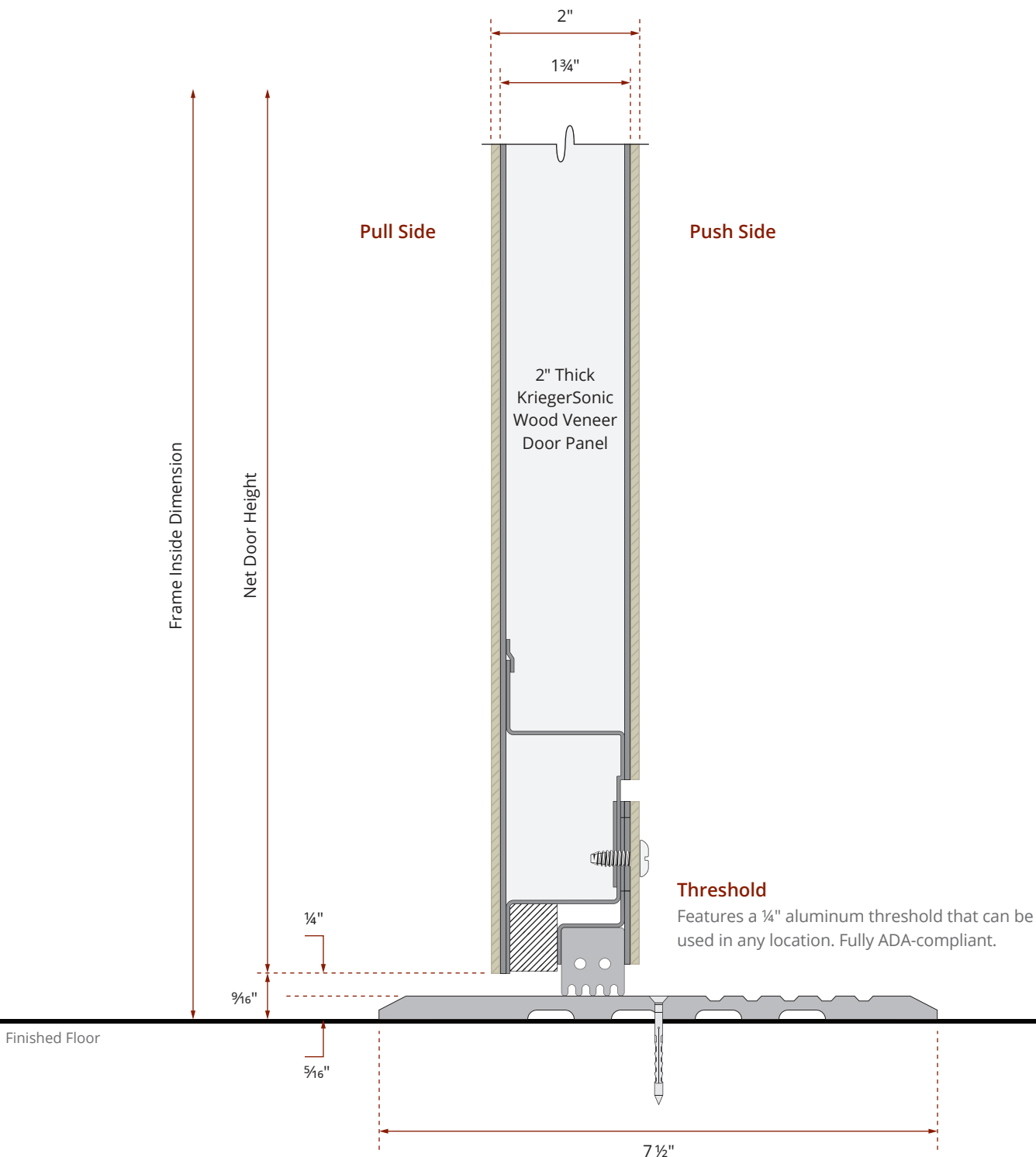
Astragal Detail





Door Bottom

Adjustable Door Bottom Detail



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Customize Your Assembly

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