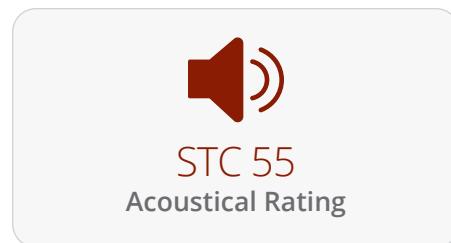


# KriegerSonic

## STC 55 Hollow Metal Door

Model: NC12-HM-STC55



ADA  
COMPLIANT

FIRE RATED  
UP TO 1½ HOURS

3" THICK  
DOOR PANEL

The KriegerSonic acoustical door is custom engineered with an STC 55 sound rating and our unique compression sound seal system—all in a 3" thick door panel. It's an ideal choice for any facility where superior sound control in all octave ranges is required.



### Configurations

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

### Frame

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

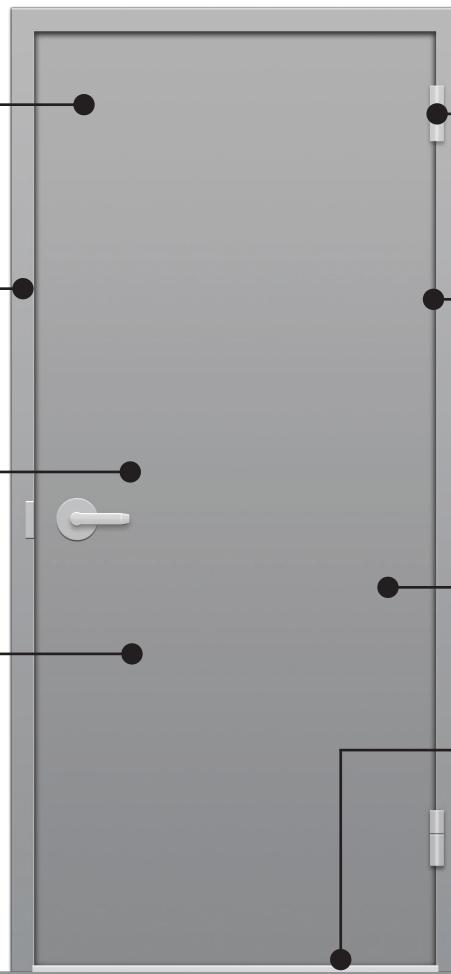
### Door Panel

Door panel is 3" thick with a seamless edge on top and sides, and adjustable door bottom.

### Custom Finishes



**Wood Veneer Available**  
See separate cut sheet for details.

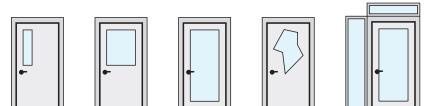


### Cam Lift Hinges

Krieger's Cam Lift Hinges provide enhanced radial strength for longer lasting performance; option to add an electrified hinge.

### Sound Seal

Unique seal system includes NC12 perimeter seal and dual 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](http://KriegerProducts.com) to get started.

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### Tests and Certifications

- STC 55 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 NC12 perimeter seal and dual NC2 door bottom seal.
- NC2 semi-mortised door bottom adjustability ensures optimal performance, even on uneven floors.
- Features 3" thick door panel and can meet all specifications for size, finish, and performance; contact us to customize your assembly.
- Comes with an ADA-compliant 1/4" aluminum threshold.

### Fire Labels and Positive Pressure

- Up to 90 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

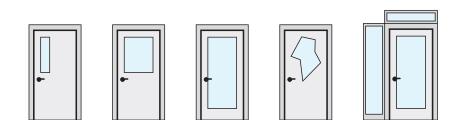
- Acoustical doors are available in standard and custom sizes, including oversized doors.

### Hardware

- Krieger's unique HC30 Cam Lift Hinge offers enhanced radial strength for longer lasting performance and easy maintenance. Comes with 2 standard HC30 Cam Lift Hinges, with option to add a non-load-bearing HC30 Electrified Cam Lift Hinge.
- Designed to interface with recommended builder's hardware, including latches and locksets, panic devices, security hardware, access controls, and other options.

### Finishes

- Krieger's custom finish options include prime painted, stainless steel, specialty finishes, and more—all perfectly matched to complement your project.
- Wood veneer is available. See separate cut sheet for details.



### 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



### STC Rating 45 to 48

Loud Speech  
Not Audible



### STC Rating 49 to 53

Music and  
Heavy Traffic  
Barely Heard

THIS MODEL



### STC Rating 55

Only Extremely  
Loud Sounds  
Are Heard

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### Customize Your Assembly

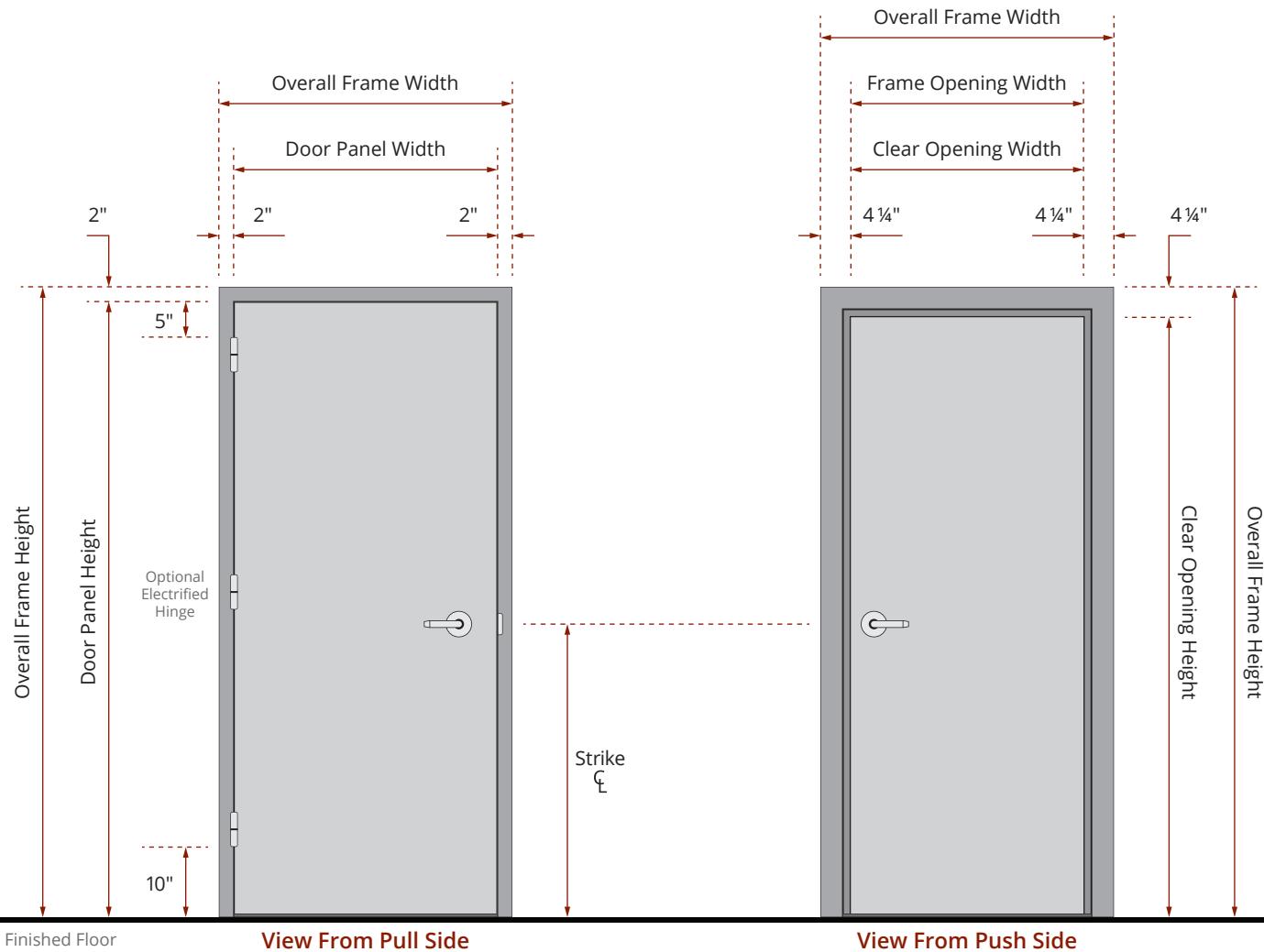
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## Elevation View

### Single Door



### Door Handing Options

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



Left Hand  
(LH)



Left Hand Reverse  
(LHR)



Right Hand  
(RH)

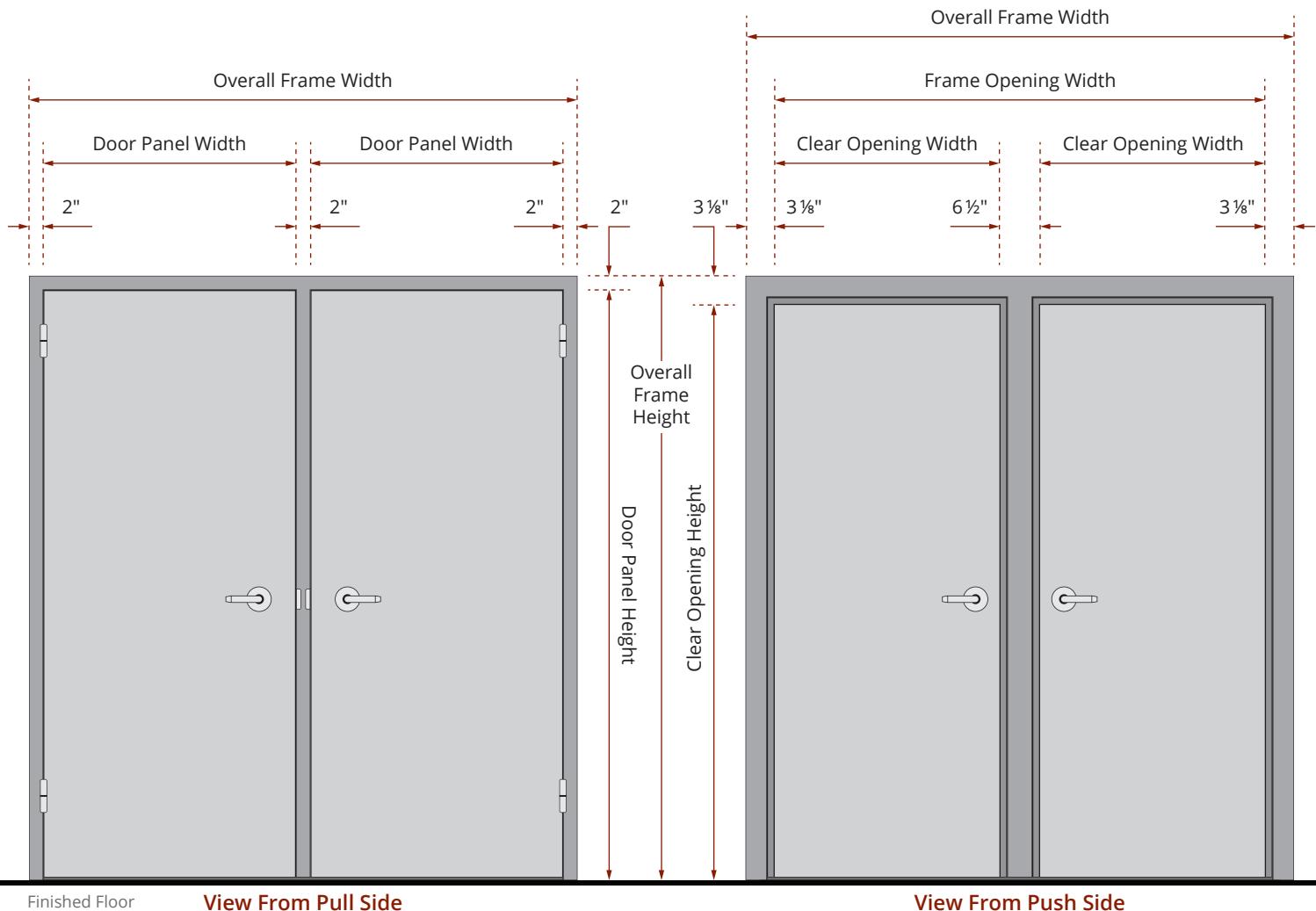


Right Hand Reverse  
(RHR)



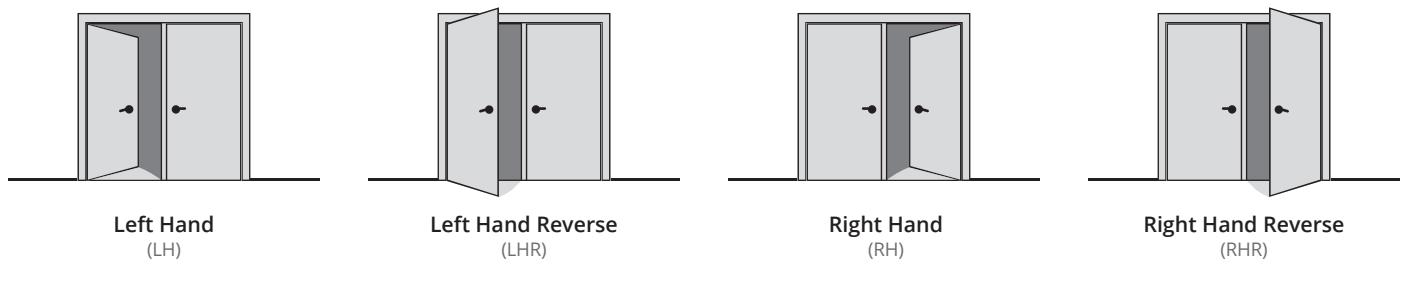
## Elevation View

### Double Door With Mullion



### Door Handing Options

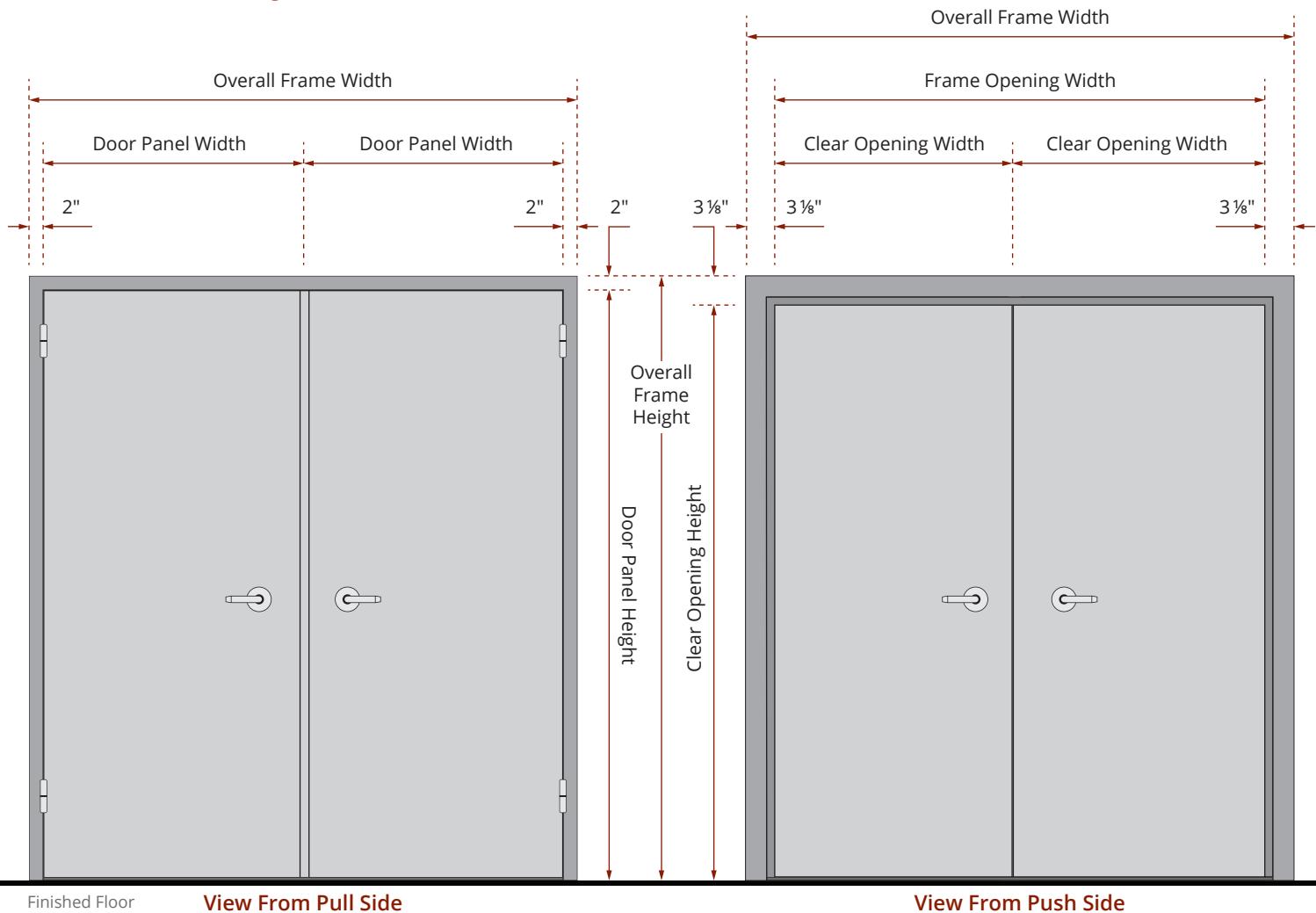
KriegerSonic doors are available in any door handing configuration your project requires.





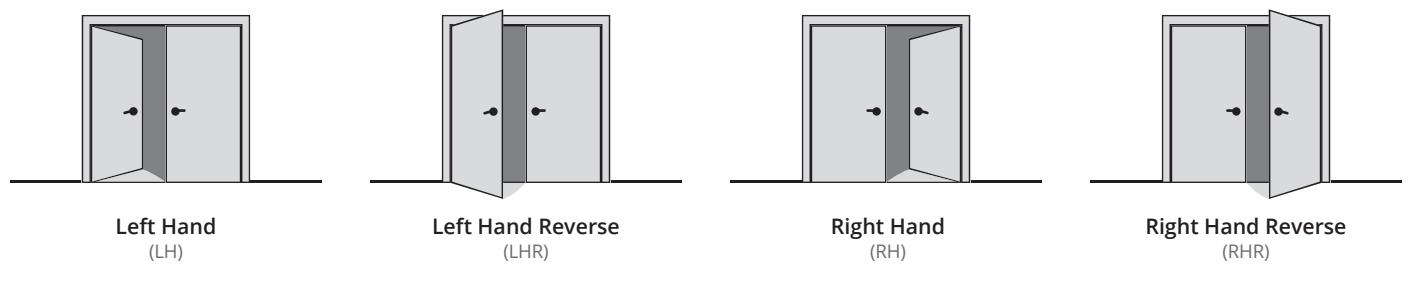
## Elevation View

### Double Door With Astragal



### Door Handing Options

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





KriegerSonic

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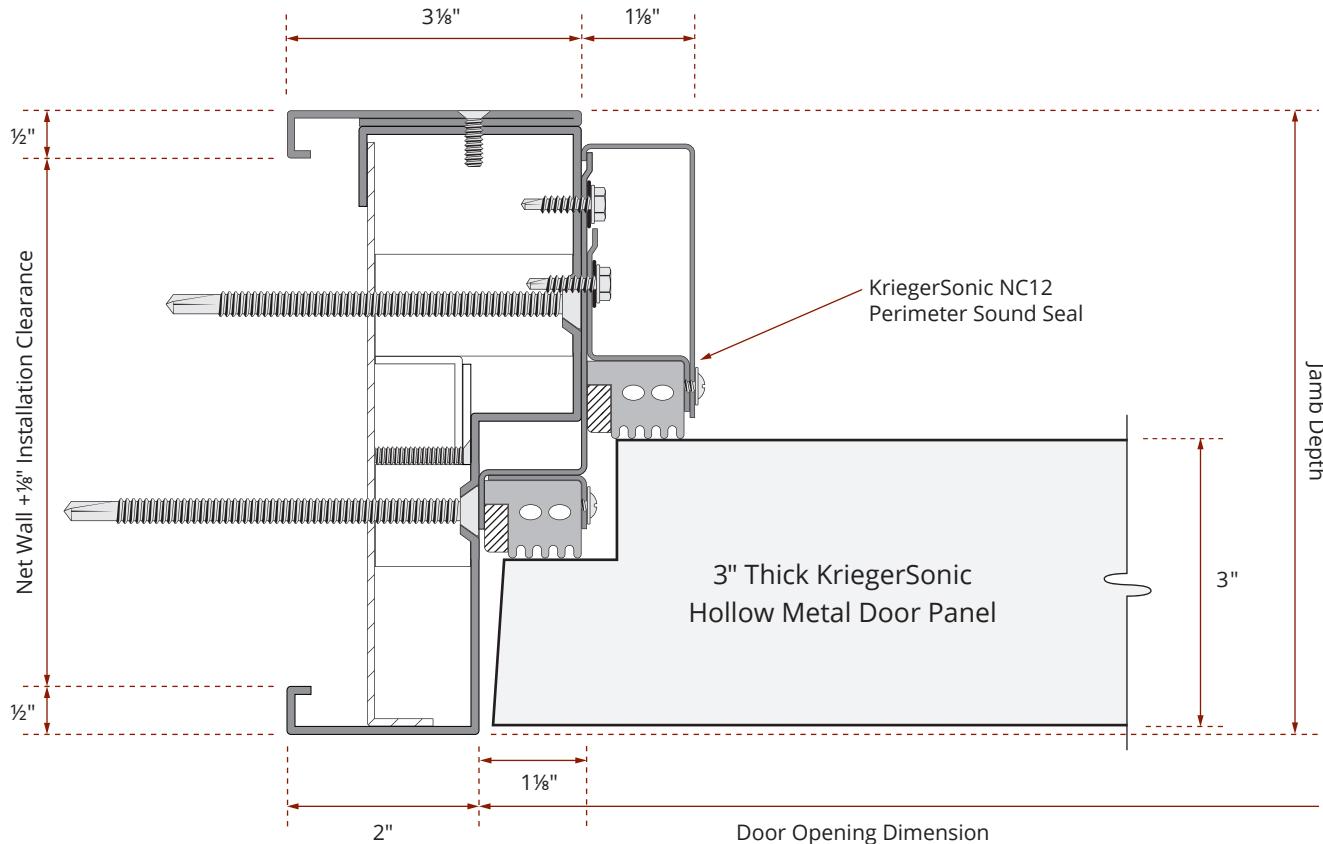
### Frame Detail

#### Slip-In With Trim Frame

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

#### Door Panel

Comes with a 3" thick door panel with a seamless edge on the top and sides, and an adjustable door bottom.



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#### Customize Your Assembly

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**ALLEGION**



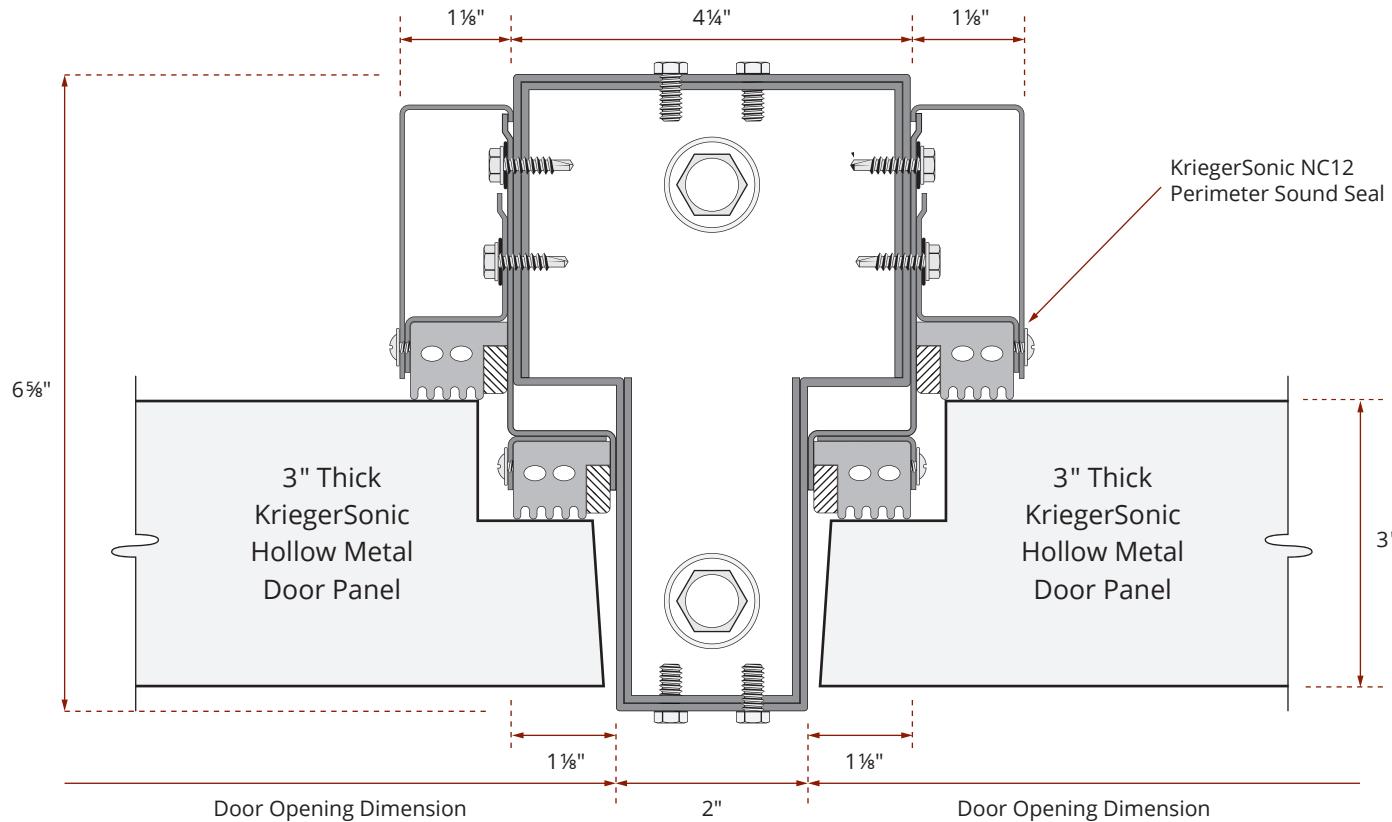
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# STC 55 Hollow Metal Door

Model: NC12-HM-STC55

## Frame Detail

### Mullion Detail



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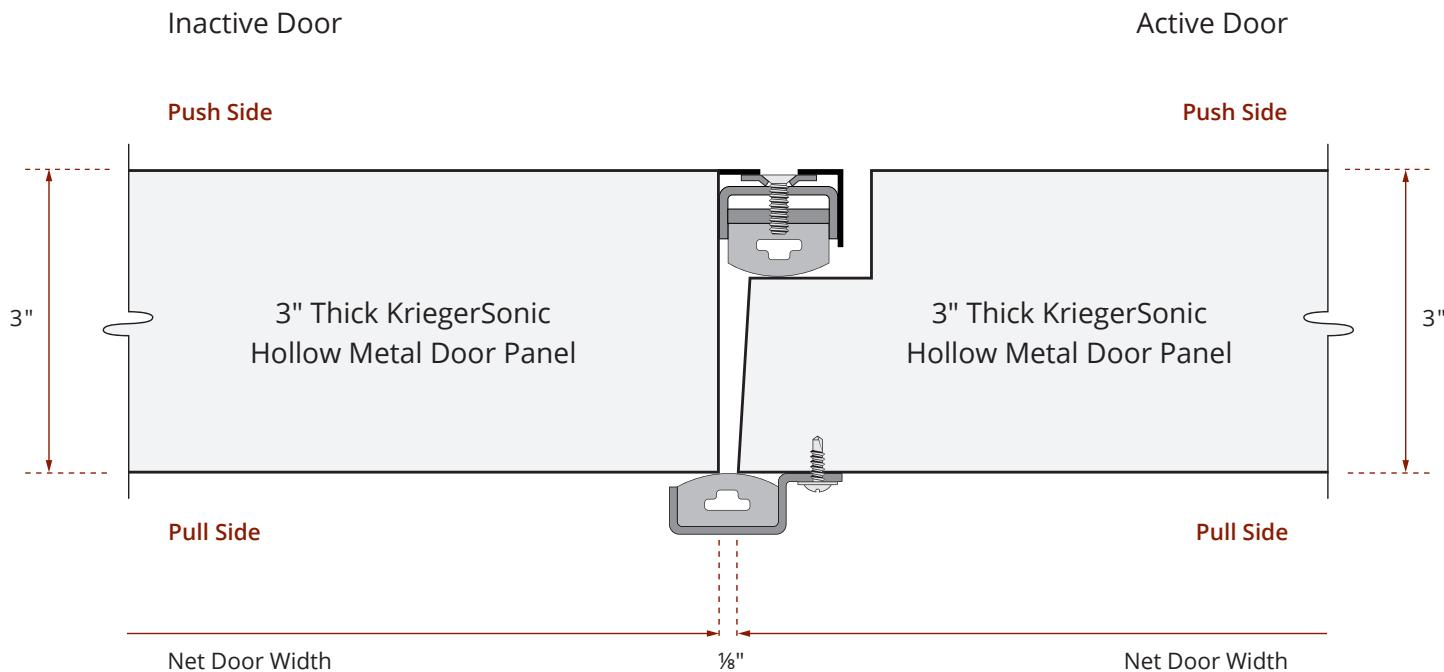
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## STC 55 Hollow Metal Door

Model: NC12-HM-STC55

### Frame Detail

#### Astragal Detail



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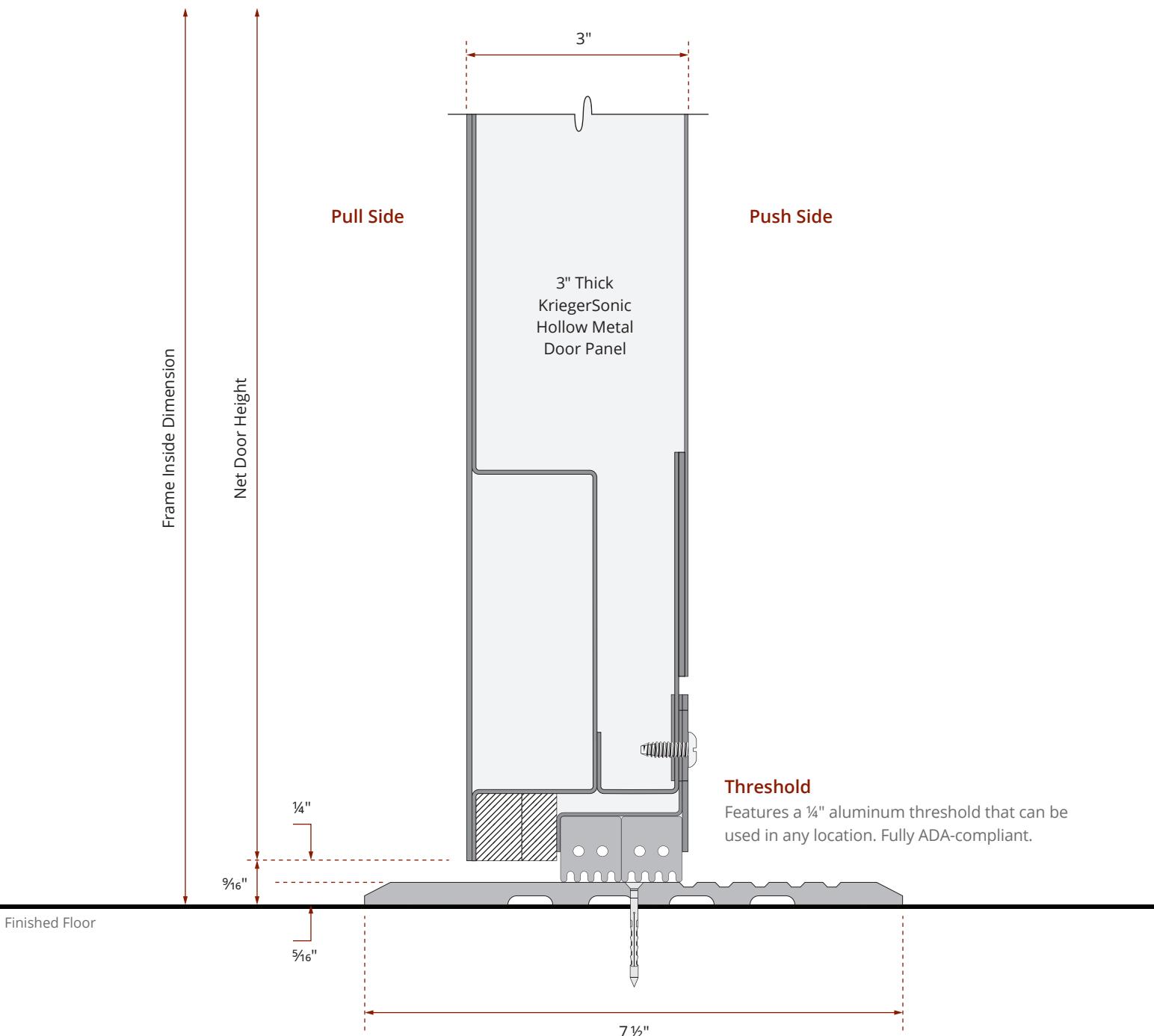
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# STC 55 Hollow Metal Door

Model: NC12-HM-STC55

## Door Bottom

### Adjustable Door Bottom Detail



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