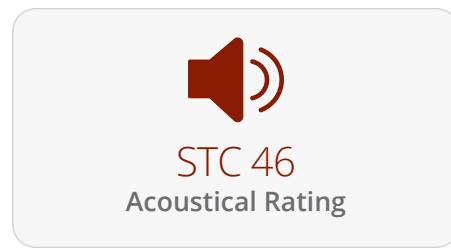


# KriegerSonic

## STC 46 Full Glass Hollow Metal Door

NC3-HM-STC46-FG

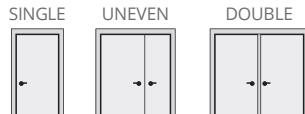


ADA  
COMPLIANT

FIRE RATED  
UP TO 3 HOURS

1 3/4" THICK  
DOOR PANEL

The KriegerSonic acoustical door is custom engineered with an STC 46 sound rating and our unique compression sound seal system—all in a 1 3/4" thick door panel with full glass. 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.

### Cam Lift Hinges

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

### Frame

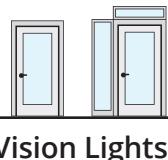
Innovative frame design includes slip-in with trim, Z anchor, nailing straps, T anchor, and punch & dimple.

### Sound Seal

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

### Door Panel

Typical 1 3/4" thick panel with seamless edge on top and sides, and adjustable door bottom. ADA-compliant for push/pull maximum force.



### Custom Finishes



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

### 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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KriegerSonic

## STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

### Tests and Certifications

- STC 46 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 1 3/4" 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 3 Hours: 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

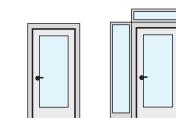
- Acoustical doors are available in standard and custom sizes, including oversized doors.

### 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 Light Glass

- 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.
- Full-glass model can be configured with up to 1,790 sq. inches of vision light area.
- Windows exceeding the maximum single pane size utilize vertical and horizontal mullions as required.
- Fully customizable vision lights, side lights, and transoms are available.

## 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

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### Customize Your Assembly

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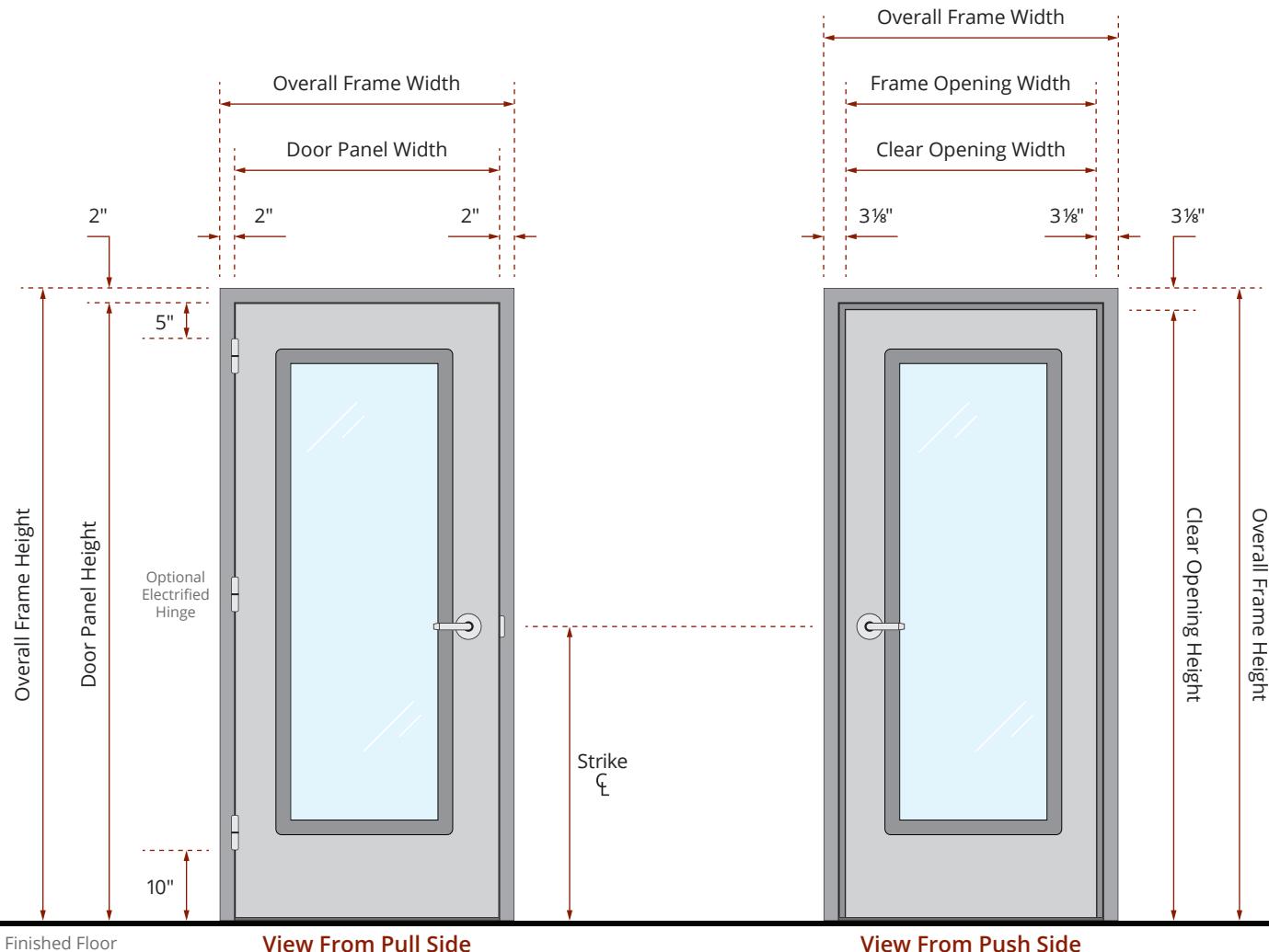
KriegerSonic

# STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

## 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)

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### Customize Your Assembly

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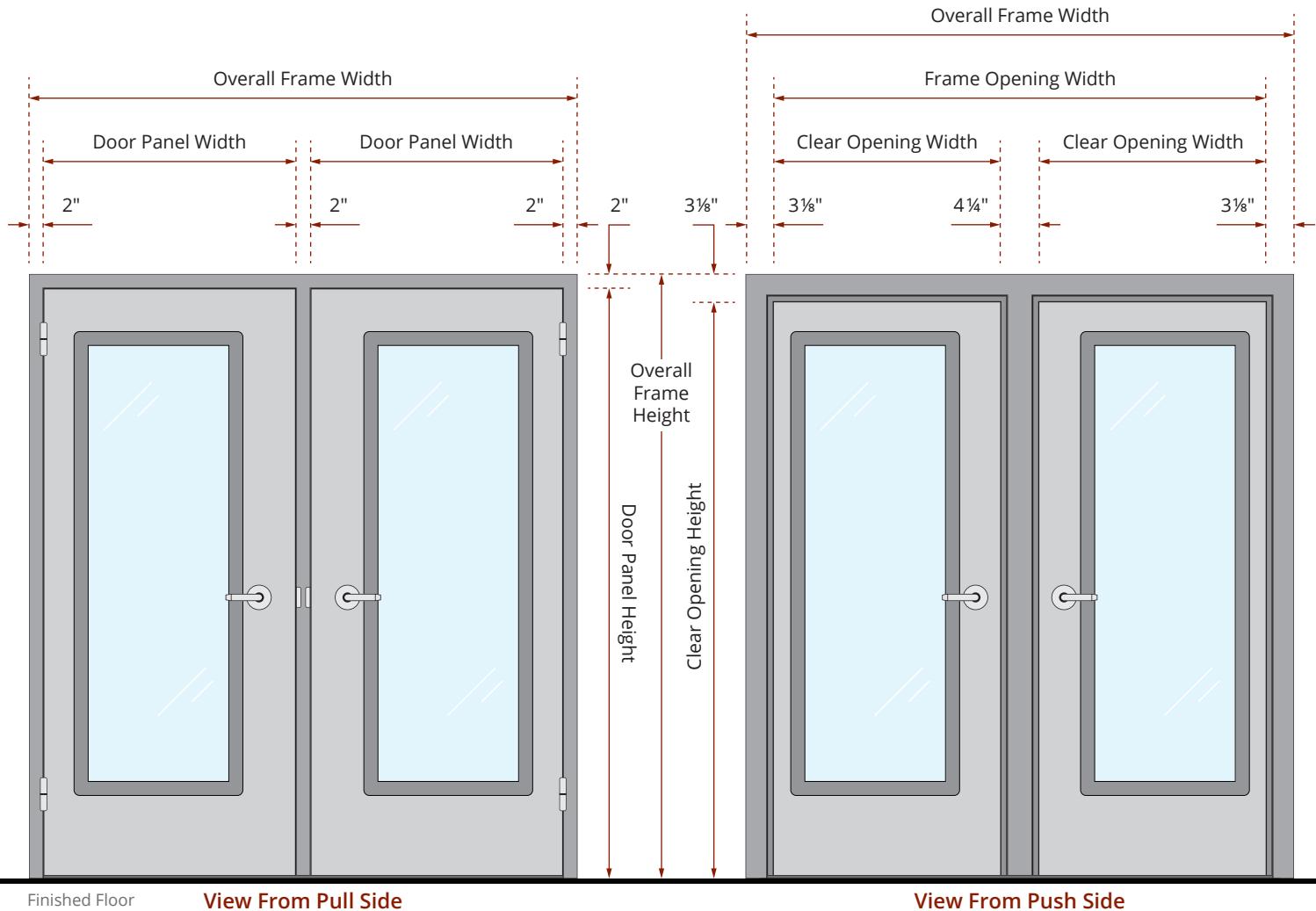
KriegerSonic

# STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

## Elevation View

### Double Door With Mullion



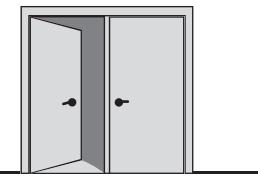
Finished Floor

View From Pull Side

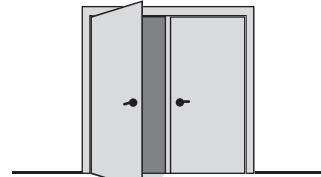
View From Push Side

### Door Handing Options

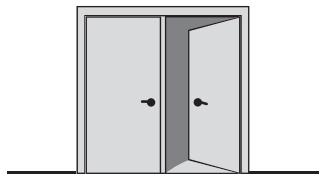
KriegerSonic doors are available in any door handing configuration your project requires.



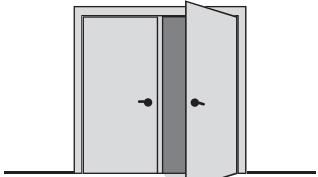
Left Hand  
(LH)



Left Hand Reverse  
(LHR)



Right Hand  
(RH)



Right Hand Reverse  
(RHR)

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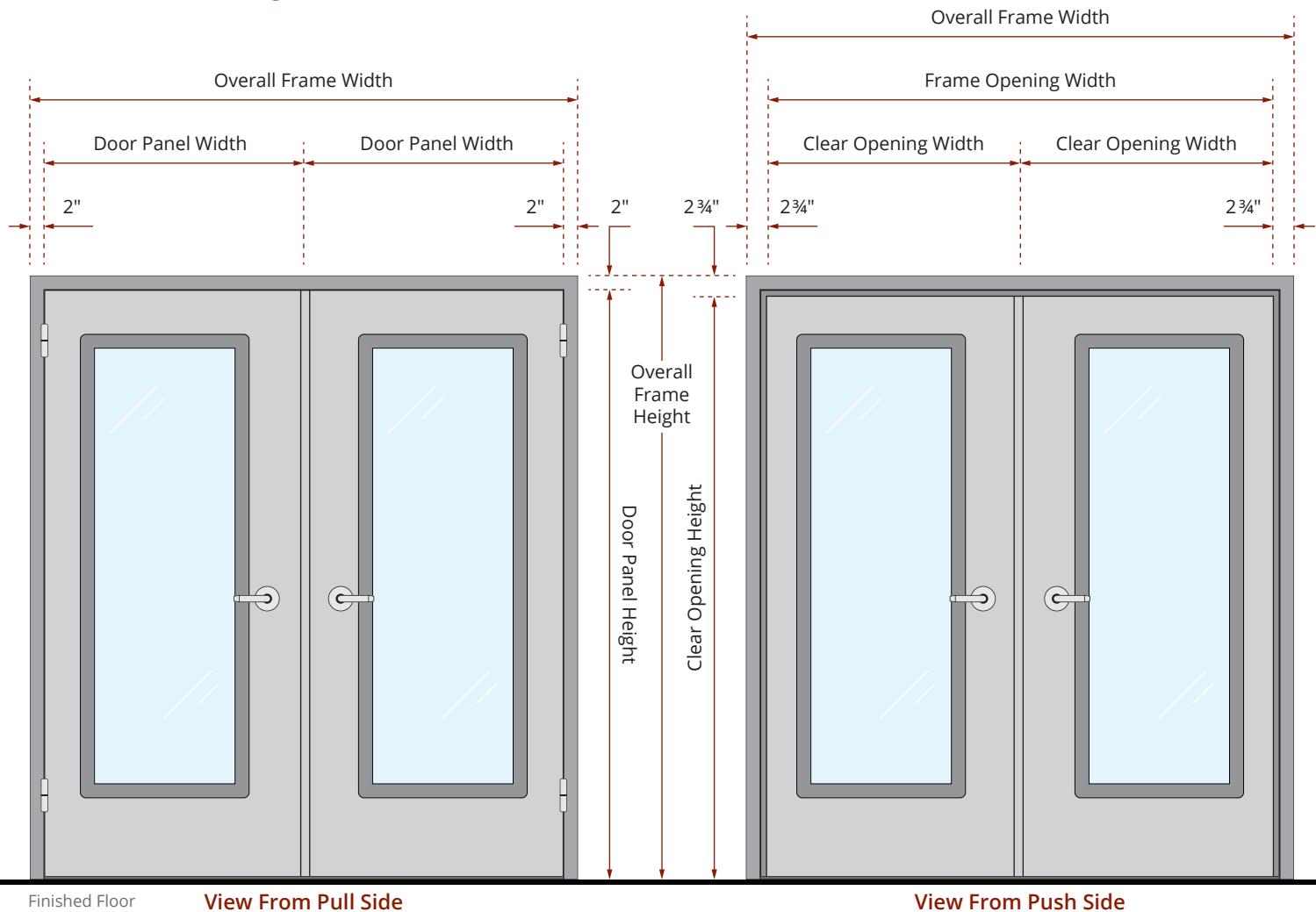
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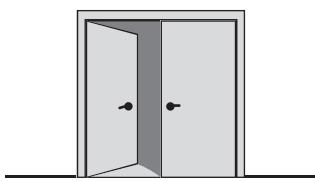
## Elevation View

## Double Door With Astragal

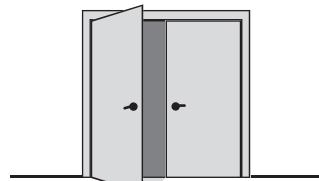


## Door Handing Options

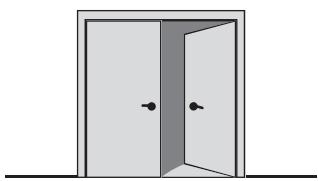
KriegerSonic doors are available in any door handing configuration your project requires.



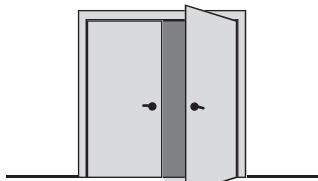
## Left Hand (LH)



## Left Hand Reverse (LHR)



Right Hand  
(RH)



## Right Hand Reverse (RHR)



KriegerSonic

# STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

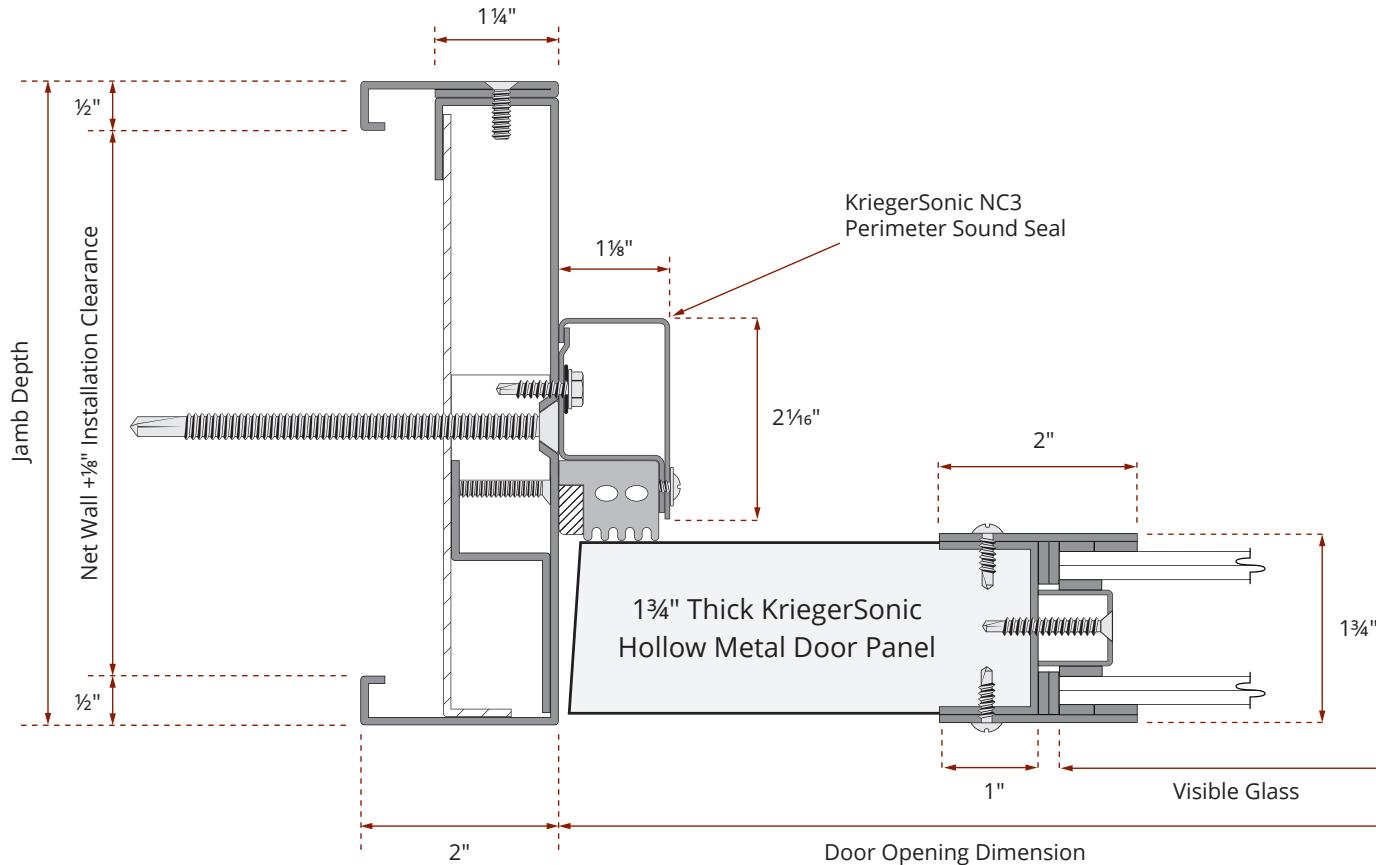
## Frame Detail

### Slip-In With Trim Frame

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

### Door Panel

Comes with a typical 1 3/4" 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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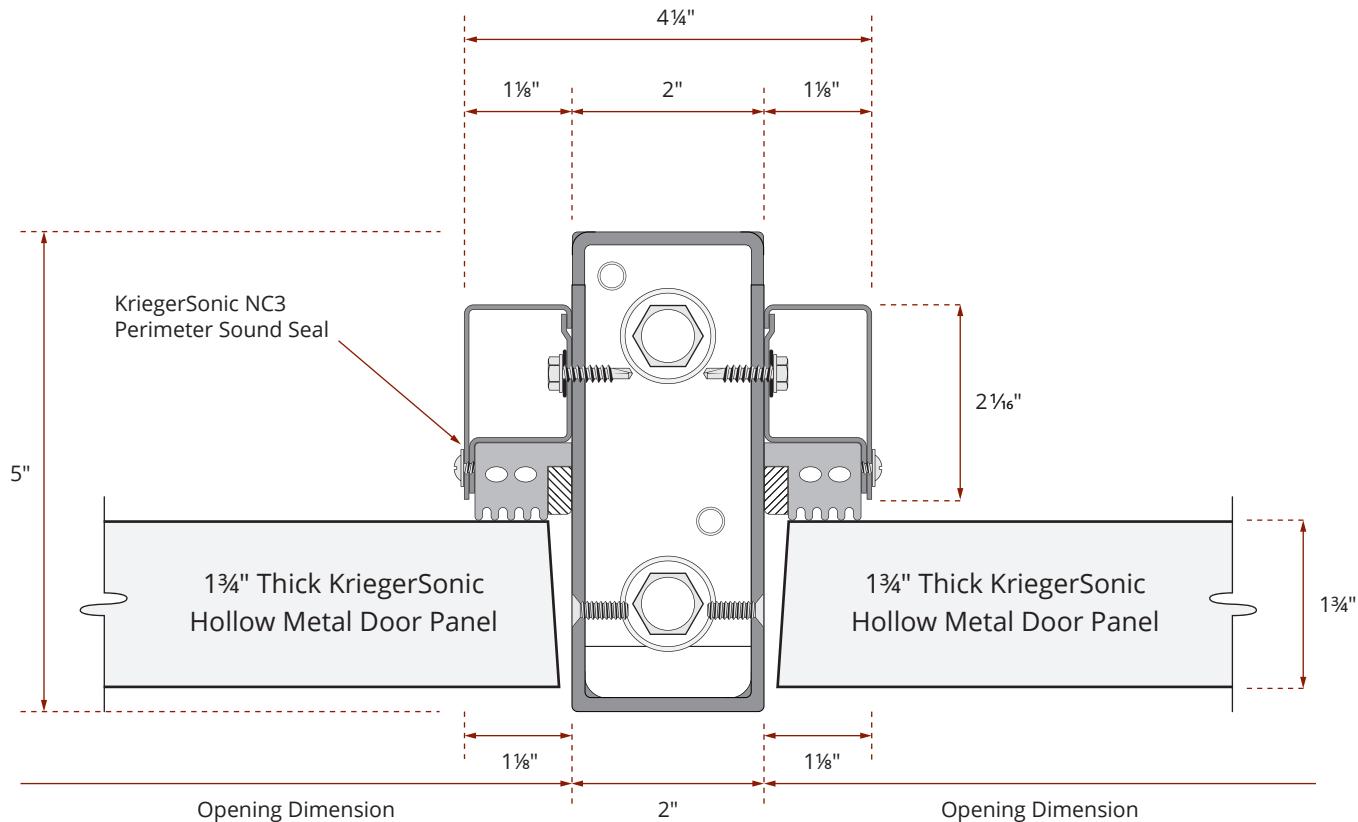
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# STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

## Frame Detail

### Mullion Detail



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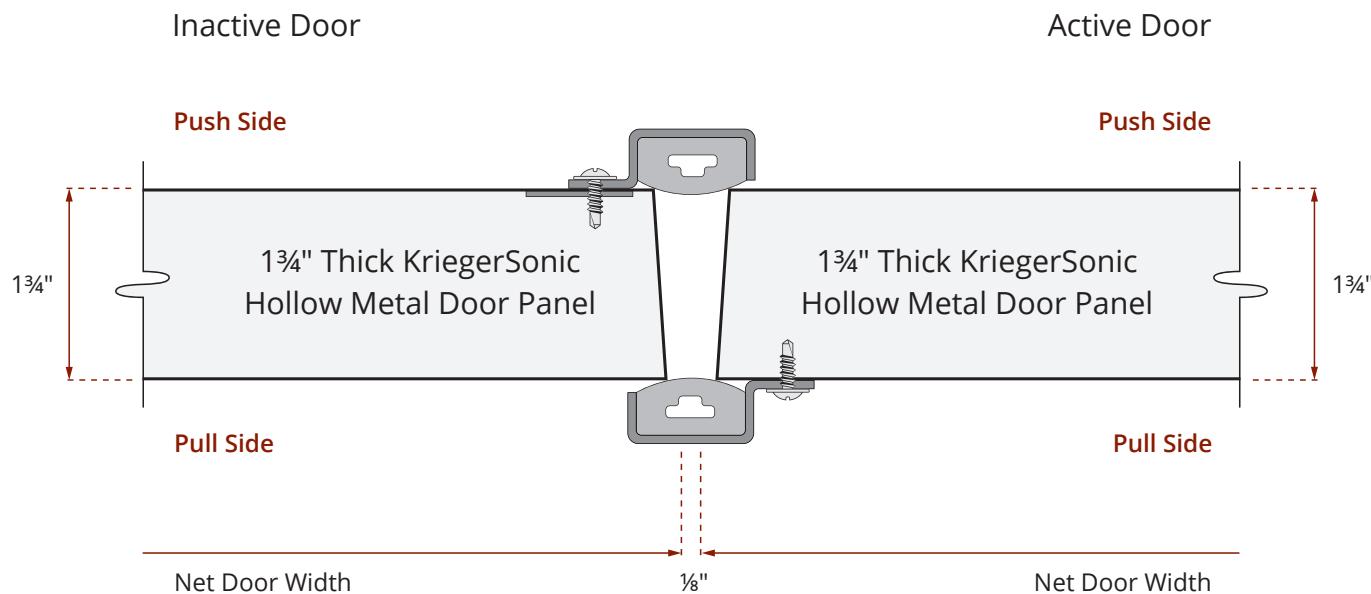
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# STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

## Frame Detail

### Astragal Detail



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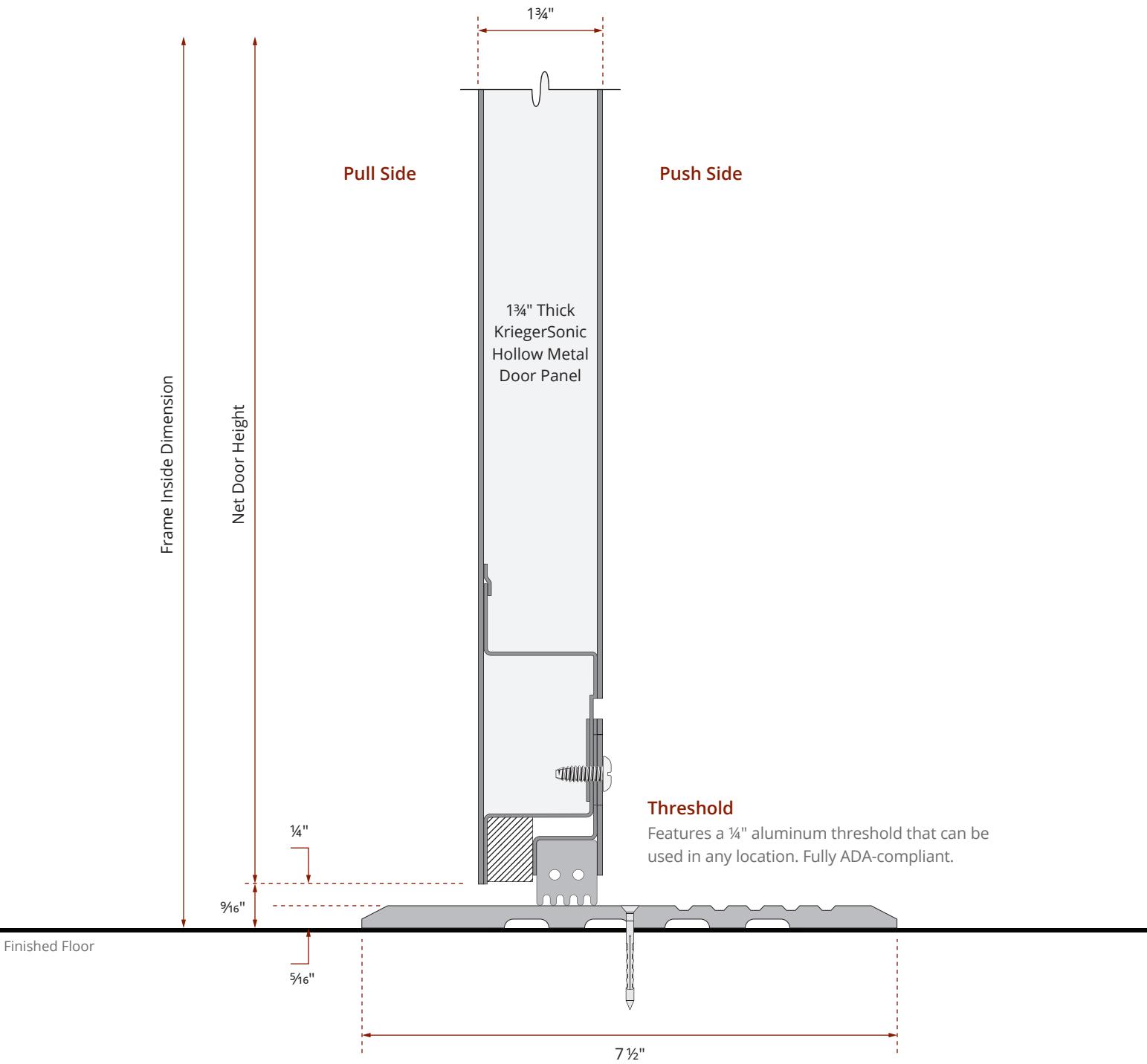
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# STC 46 Full Glass Hollow Metal Door

Model: NC3-HM-STC46-FG

## Door Bottom

### Adjustable Door Bottom Detail



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