

4

3

2

1

Wave Pneumatic Interlock Bottom Hinge Door Dimensions

Nominal Door Size	Door ID #	Frame Sleeve		Overall Sleeve		Outside Trim	
		A	B*	C	D*	E	F
15" x 18"	1518BH-PW	15 1/4"	19 3/8"	17 3/4"	21 5/8"	21 7/8"	28 5/8"
18" x 18"	1818BH-PW	18 1/8"	19 3/8"	20 3/4"	21 5/8"	24 7/8"	28 1/4"
21" x 18"	2118BH-PW	21 1/8"	19 3/8"	23 3/4"	21 5/8"	27 7/8"	28 1/4"
24" x 24" **	2424BH-PW	24 1/8"	25 3/8"	26 3/4"	21 5/8"	31 3/8"	34 5/16"

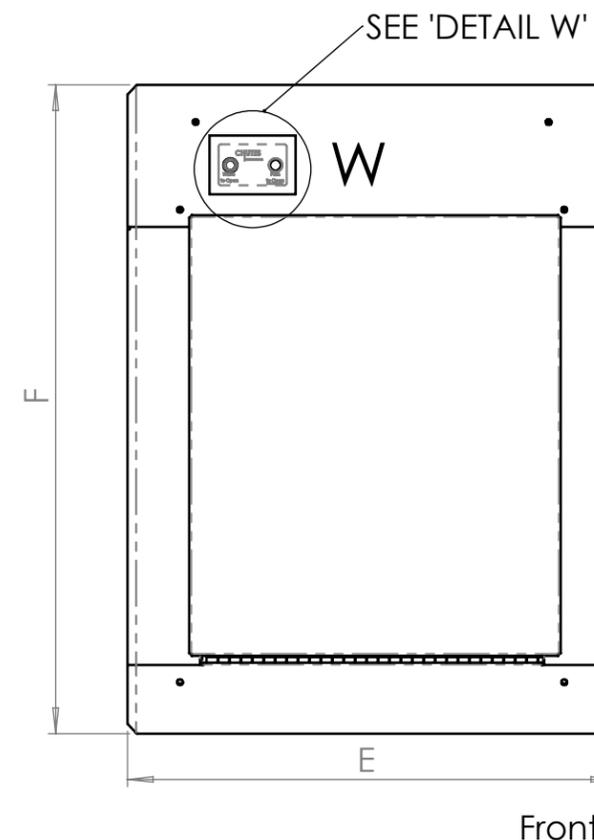
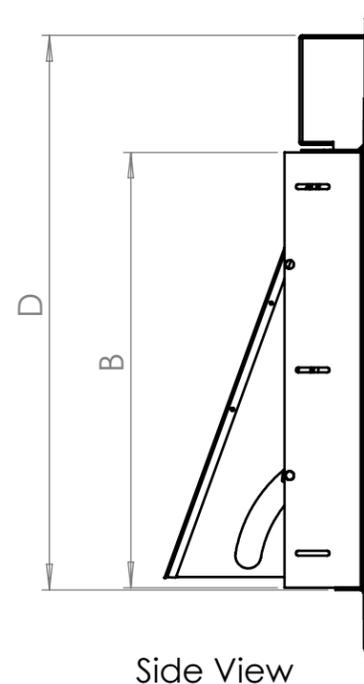
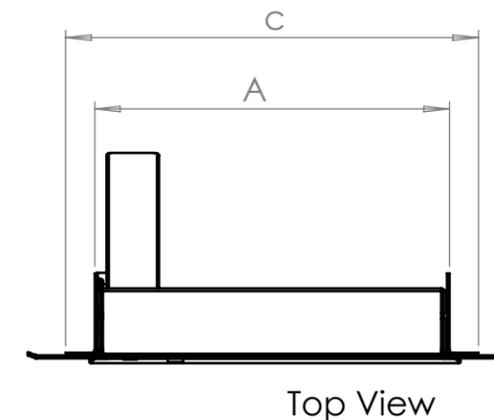
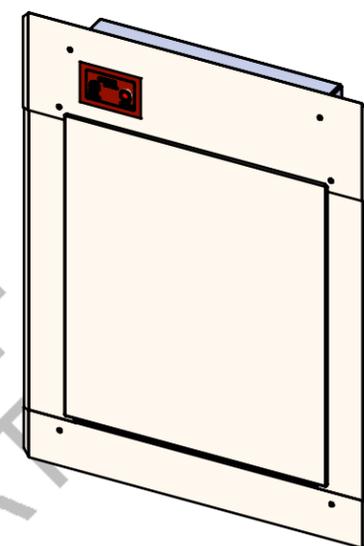
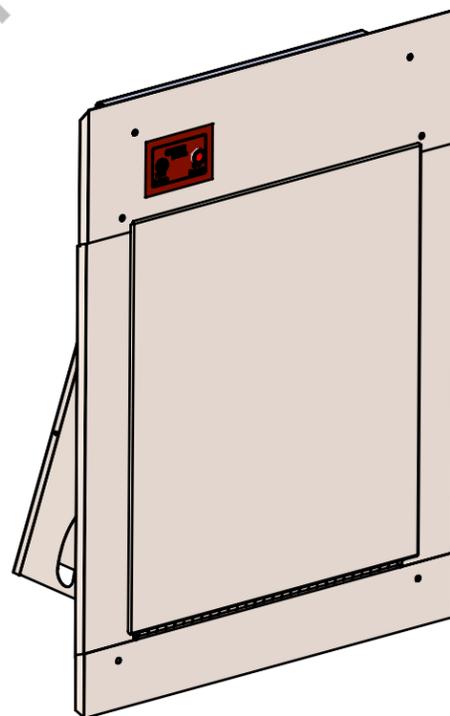
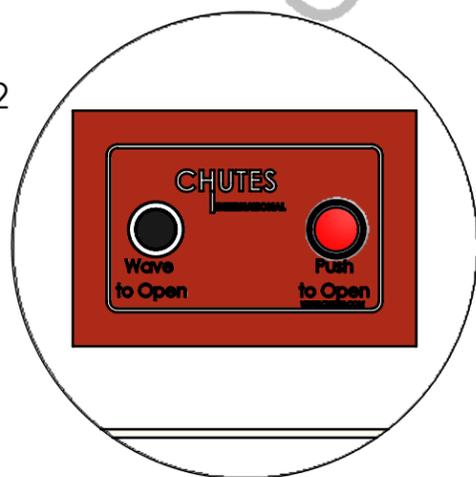
*Dimension B and D Includes Tolerance Hinge Screws and Hex Nuts (Not Shown in Isometric View Drawing).

**24" x 24" Bottom-Hinge Doors have Two Cylinder Closers and does not meet 5lbs pull test.

Important Notes:

- The intake rough opening should be 1/4" larger than the frame sleeve dimensions (A and B).
- The through-wall rough opening should be 1/4" larger than the overall sleeve dimension C and 1/2" larger than the frame sleeve dimension A.
- All doors are noiseless, self-closing, self-latching, and supplied with an ADA compliant locking lever handle and two keys.
- With the exception of the frames, all standard doors are made from 430 ROF stainless steel material.
- All doors are UL Labeled:
 - Rated: 1 1/2 hour
 - Temperature rise less than 250°F in 30 minutes

DETAIL W
SCALE 1 : 2



FIRE RATED CHASE WALL
SUPPLIED BY OTHERS

TRIM
SCREW

CHUTE
THROAT

INSIDE FRAME
III
GSPR
R21680

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES:

FRACTIONAL $\pm 1/8$
ANGULAR: MACH $\pm 1^\circ$ BEND $\pm 1^\circ$
BEND-LINE PLACEMENT ± 0.010
THREE PLACE DECIMAL ± 0.125
WELD THICKNESS $+ 1/16$

SHEET MATERIAL:

Various

COMMENTS:

Door Panel and Trims are 430
ROF Stainless Steel

Frame is Mild Steel with a
Enamel Painted Finish

	NAME	DATE
DRAWN	KASSIE	07/19/22
CHECKED		
MFG APPR.		

PROPRIETARY AND CONFIDENTIAL

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33 Industrial Park Dr.
Waldorf, MD 20602
Phone: (240) 448-5000
Fax: (301) 753-4108
WWW.CHUTES.COM

DESCRIPTION:

**Wave Pneumatic
Interlock BH Doors**

SIZE B	PART ID: BH Pneumatic I-Lock Doors	REV C
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DO NOT SCALE DRAWING

SCALE: 1:10

SHEET 1 OF 3

4

3

2

1

B

A

4

3

2

1

Wave Pneumatic Interlock Bi-sorter Bottom Hinge Door Dimensions

Nominal Door Size	Door ID #	Frame Sleeve		Overall Sleeve		Outside Trim	
		A	B*	C	D*	E	F
15" x 18"	1518BH-PW-BI	15 1/4"	19 3/8"	17 3/4"	21 5/8"	21 7/8"	28 5/8"
18" x 18"	1818BH-PW-BI	18 1/8"	19 3/8"	20 3/4"	21 5/8"	24 7/8"	28 1/4"
21" x 18"	2118BH-PW-BI	21 1/8"	19 3/8"	23 3/4"	21 5/8"	27 7/8"	28 1/4"
24" x 24" **	2424BH-PW-BI	24 1/8"	25 3/8"	26 3/4"	21 5/8"	31 3/8"	34 5/16"

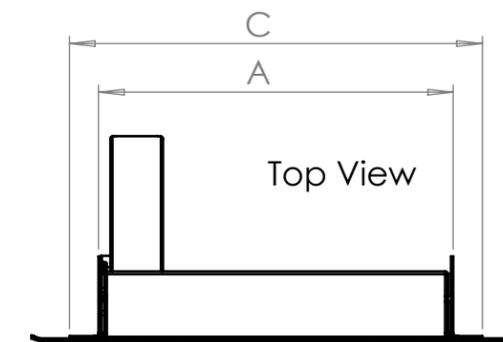
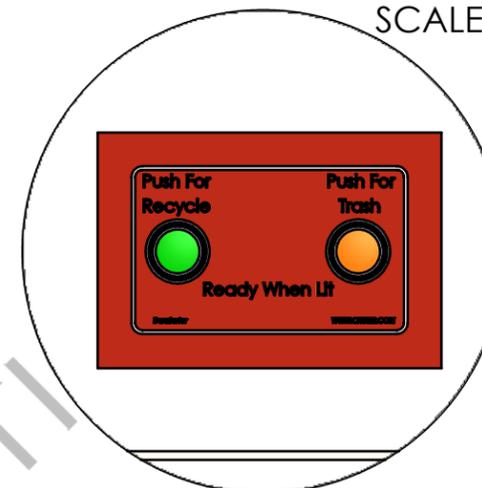
*Dimension B and D Includes Tolerance Hinge Screws and Hex Nuts (Not Shown in Drawing).

**24" x 24" Bottom-Hinge Doors have Two Cylinder Closers and does not meet 5lbs pull test.

Important Notes:

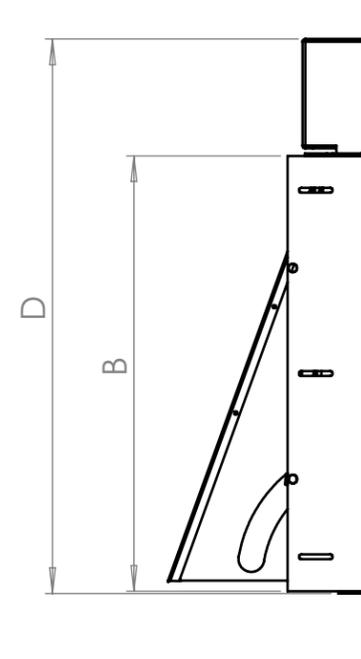
- The intake rough opening should be 1/4" larger than the frame sleeve dimensions (A and B).
- The through-wall rough opening should be 1/4" larger than the overall sleeve dimension C and 1/2" larger than the frame sleeve dimension A.
- All doors are noiseless, self-closing, self-latching, and supplied with an ADA compliant locking lever handle and two keys.
- With the exception of the frames, all standard doors are made from 430 ROF stainless steel material.
- All doors are UL Labeled:
 - Rated: 1 1/2 hour
 - Temperature rise less than 250°F in 30 minutes

DETAIL B
SCALE 1 : 2

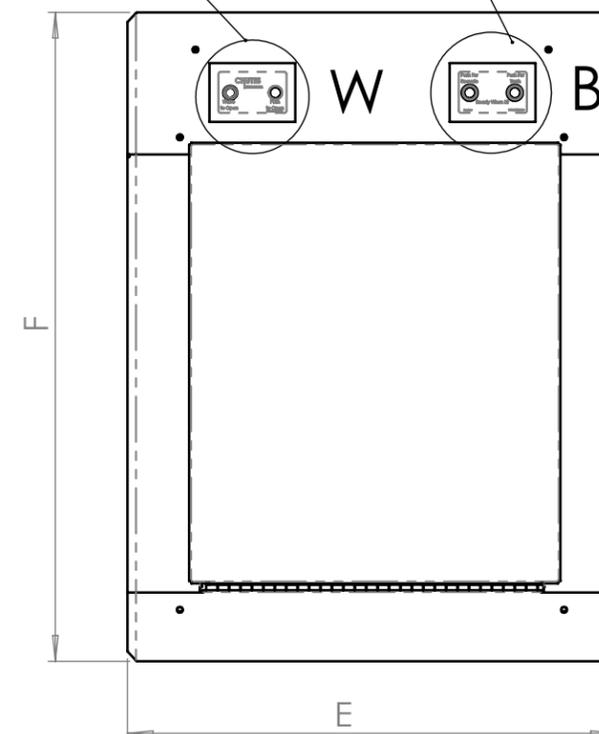


SEE 'DETAIL B'

SEE 'DETAIL W'

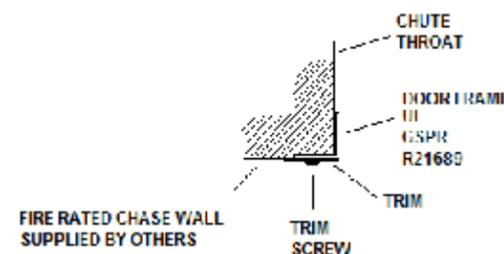
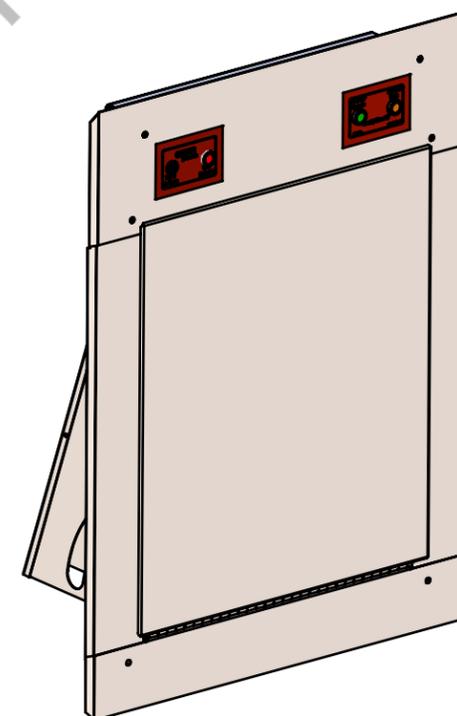
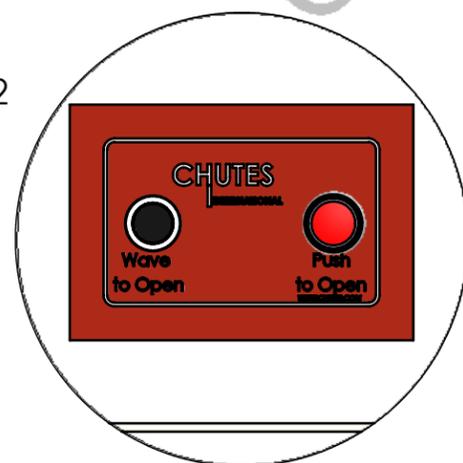


Side View



Front View

DETAIL W
SCALE 1 : 2



UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	KASSIE 07/19/22
TOLERANCES:	CHECKED	
FRACTIONAL ± 1/8 ANGULAR: MACH ± 1° BEND ± 1° BEND-LINE PLACEMENT ± 0.010 THREE PLACE DECIMAL ± 0.125 WELD THICKNESS + 1/16	MFG APPR.	
SHEET MATERIAL:	PROPRIETARY AND CONFIDENTIAL	
Various	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHUTES INTERNATIONAL MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHUTES INTERNATIONAL MANUFACTURING IS PROHIBITED.	
COMMENTS:	Door Panel and Trims are 430 ROF Stainless Steel	
Frame is Mild Steel with a Enamel Painted Finish		

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DESCRIPTION:

Wave Pneumatic Interlock Bi-sorter Bottom Hinged Doors

SIZE B	PART ID: BH Pneumatic I-Lock Doors	REV C
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DO NOT SCALE DRAWING

SCALE: 1:10

SHEET 2 OF 3

4

3

2

1

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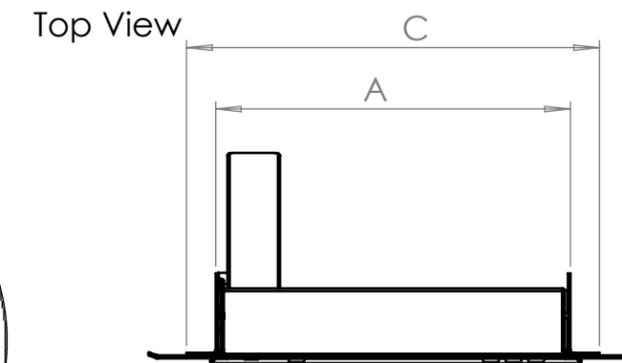
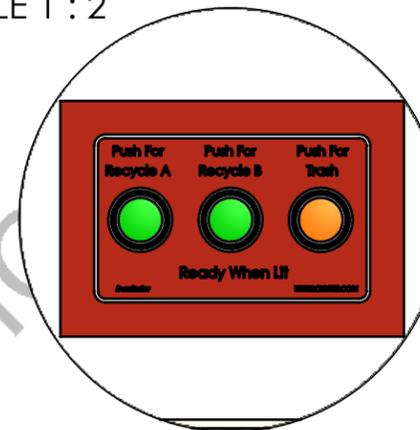
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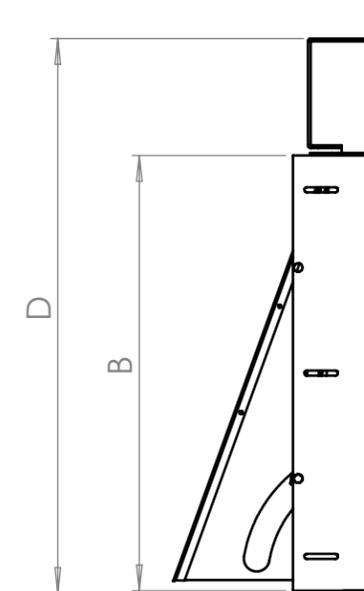
Wave Pneumatic Interlock Tri-sorter Bottom Hinge Door Dimensions

Nominal Door Size	Door ID #	Frame Sleeve		Overall Sleeve		Outside Trim	
		A	B*	C	D*	E	F
15" x 18"	1518BH-PW-TRI	15 1/4"	19 3/8"	17 3/4"	21 5/8"	21 7/8"	28 5/8"
18" x 18"	1818BH-PW-TRI	18 1/8"	19 3/8"	20 3/4"	21 5/8"	24 7/8"	28 1/4"
21" x 18"	2118BH-PW-TRI	21 1/8"	19 3/8"	23 3/4"	21 5/8"	27 7/8"	28 1/4"
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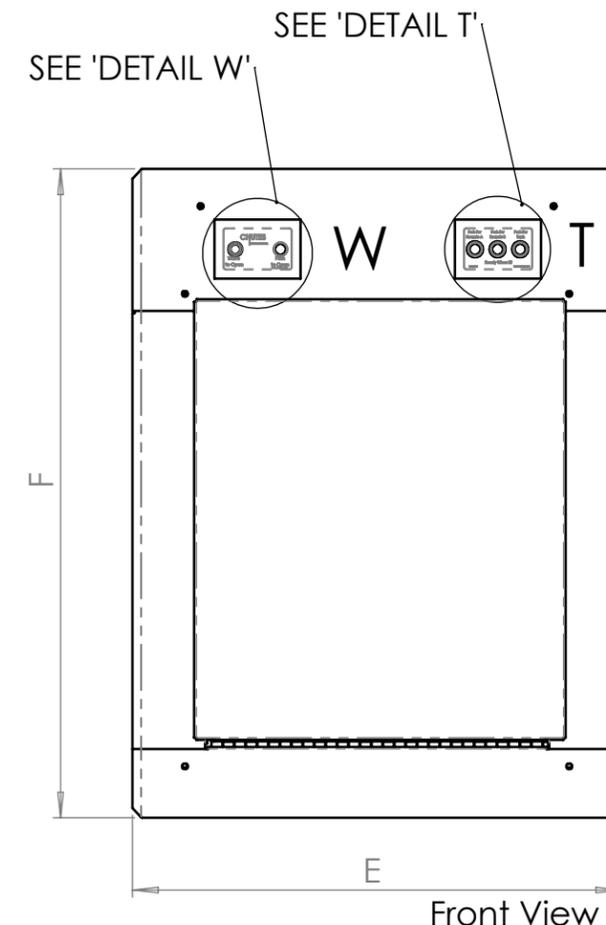
DETAIL T
SCALE 1 : 2



Isometric View



Side View



Front View

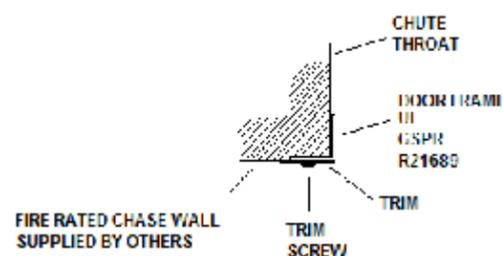
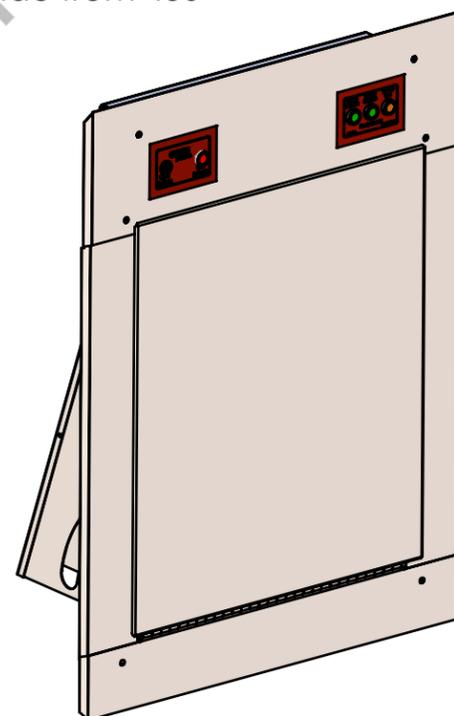
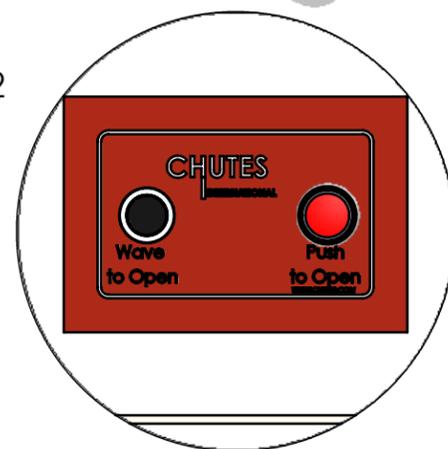
*Dimension B and D Includes Tolerance Hinge Screws and Hex Nuts (Not Shown in Drawing).

**24" x 24" Bottom-Hinge Doors have Two Cylinder Closers and does not meet 5lbs pull test.

Important Notes:

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- All doors are UL Labeled:
 - Rated: 1 1/2 hour
 - Temperature rise less than 250°F in 30 minutes

DETAIL W
SCALE 1 : 2



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DIMENSIONS ARE IN INCHES	DRAWN	KASSIE 07/19/22	
TOLERANCES:	CHECKED		
FRACTIONAL ± 1/8 ANGULAR: MACH ± 1° BEND ± 1° BEND-LINE PLACEMENT ± 0.010 THREE PLACE DECIMAL ± 0.125 WELD THICKNESS + 1/16	MFG APPR.		
SHEET MATERIAL:	PROPRIETARY AND CONFIDENTIAL		DESCRIPTION: <h3>Wave Pneumatic Interlock Tri-sorter Bottom Hinged Doors</h3>
COMMENTS: Door Panel and Trims are 430 ROF Stainless Steel Frame is Mild Steel with a Enamel Painted Finish	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF CHUTES INTERNATIONAL MANUFACTURING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF CHUTES INTERNATIONAL MANUFACTURING IS PROHIBITED.		
SIZE	PART ID:	REV	
B	BH Pneumatic I-Lock Doors	C	
DO NOT SCALE DRAWING		SCALE: 1:10	SHEET 3 OF 3

4

3

2

1

B

B

A

A