



Product Selection Guide

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**Document Navigation Tips:**

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The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local Pella representative for up-to-date product information.



## Hurricane Shield Series Hinged Door

### Size and Performance Data

Sizes	
Standard Sizes <sub>1</sub>	S
Special Sizes Available Built on 1/8" Increments	O
Frames	
Block Frame	S
Nail Fin	O
Non-Impact Performance	
Meets or Exceeds AAMA/WDMA/CSA 101/IS2/A440-17	LC PG 60
Air Infiltration <sub>3</sub> (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure)	< 0.01 cfm/ft sq.
Design Pressure	60
Forced Entry <sub>4</sub>	0
Maximum Operating Force (lb) (Initiate Motion / Maintain Motion)	0
FPAS (Out-swing door)	47480.2
Impact Performance	
Meets or Exceeds AAMA/WDMA/HVHZ Ratings <sub>2</sub> ASTM E1886-19/E1996-20	LC PG 50
Air Infiltration <sub>3</sub> (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure)	< 0.01 cfm/ft sq.
Design Pressure	+50 / -50
Forced Entry <sub>4</sub>	0
Maximum Operating Force (lb) (Initiate Motion / Maintain Motion)	0
FPAS (Out-swing door), Missile Level D, Wind Zone 3, (No HVHZ)	47480.1

S = Standard; O = Optional; (—)

(1) See size charts in this section for available sizes.

(2) Published performance data is for single unit only. Pella® Hurricane Shield™ Series Doors do not have mulling capabilities. All products must be installed in separate openings.

(3) Published performance Data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless notes. Actual product performance may vary for a number of reasons including installation and product care.

(4) The higher the level, the greater the product's ability to resist forced entry.

Performance with additional options may not be the same as Standard and Special size units. Please contact your local Pella representative for complete information.



## Hurricane Shield Series Hinged Door

### Features and Options

Glazing	
Glazing Type	
Dual-pane insulating glass	S
Insulated Glass Options / Low-E Types	
Advanced Low-E	O
Turtle Glass	O
SunDefense™ Low-E	O
Glass Configuration	
Standard Insulating Glass	S
Impact Laminated Glass	O
Additional Glazing Options	
Tempered Glass	S
Obscure Glass <sup>(1)</sup>	O
Neat Glass	O
Bronze Tint	O
Gray Tint	O
Blue Tint	O
Gas Fill	
Argon	S
Interior/Exterior Color	
White Interior/White Exterior	S

Grilles-Between-the-Glass	
Grille Profiles	
3/4" Contour (Non-impact glass only)	O
1" Contour (Non-impact glass only)	O
5/8" Flat	O
Grille Patterns	
Traditional	O
9-Lite Prairie	O
Top Row	O
Exterior Applied Grilles with Grilles-Between-the-Glass	
Grille Profiles	
7/8" Contour Applied with 1" Contour GBG	O
Grille Patterns	
Traditional	O
9-Lite Prairie	O
6-Lite Prairie	O
Custom - Equally Divided	O
Door Handle Finishes	
White	S
Black	O
Brushed Chrome	O
Keyed Lock	S
Active Panel Hardware	
Handle with Multipoint Lock	S
Hinge Finishes	
White	S
Silver	O

S = Standard; O = Optional

(1) Contact your local Pella sales representative for current offering.



# Hurricane Shield Series Hinged Door

## Glazing Performance - Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sub>1</sub>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext. (mm)	Int. (mm)		U-Factor	SHGC	VLT	CR	U. S.				Canada <sub>2</sub>	
										Zone				ER	Zone
										Vent - Hinged Door - Low-E Glazing					
7/8"	Clear IG	K-308	4.7 mm	4.7 mm	Argon	0.49	0.49	0.52	47						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.49	0.43	0.45	47						
7/8"	Advanced Low-E IG	K-308	4.7 mm	4.7 mm	Argon	0.37	0.24	0.44	61						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.37	0.22	0.38	61						
7/8"	Coastal Low-E IG	K-308	4.7 mm	4.7 mm	Argon	0.36	0.13	0.24	61						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.36	0.12	0.21	61						
7/8"	SunDefense™ Low-E IG	K-308	4.7 mm	4.7 mm	Argon	0.36	0.19	0.41	61						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.36	0.17	0.35	61						
7/8"	Clear IG	K-308	4.7 mm	11.7 mm	Argon	0.51	0.45	0.49	45						
	with grilles-between-the-glass	K-308	4.7 mm	11.7 mm	Argon	0.57	0.4	0.42	37						
7/8"	Advanced Low-E IG	K-308	4.7 mm	11.7 mm	Argon	0.41	0.24	0.42	54						
	with grilles-between-the-glass	K-308	4.7 mm	11.7 mm	Argon	0.5	0.21	0.36	42						
7/8"	Coastal Low-E IG	K-308	4.7 mm	11.7 mm	Argon	0.41	0.14	0.23	55						
	with grilles-between-the-glass	K-308	4.7 mm	11.7 mm	Argon	0.5	0.12	0.2	42						
7/8"	SunDefense™ Low-E IG	K-308	4.7 mm	11.7 mm	Argon	0.41	0.19	0.39	55						
	with grilles-between-the-glass	K-308	4.7 mm	11.7 mm	Argon	0.5	0.17	0.33	42						

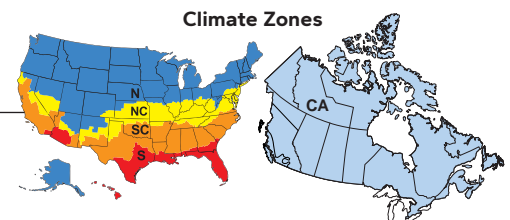
R-Value = 1/U-Factor  
 SHGC = Solar Heat Gain Coefficient  
 VLT % = Visible Light Transmission  
 CR = Condensation Resistance  
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

Based on unit size, some products will have improved glazing performance from what is shown.

See the Product Performance section for more detailed information or visit [www.energystar.gov](http://www.energystar.gov) for Energy Star guidelines.





# Hurricane Shield Series Hinged Door

## Glazing Performance - Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sub>1</sub>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext. (mm)	Int. (mm)		U-Factor	SHGC	VLT	CR	U. S.				Canada <sub>2</sub>	
										Zone				ER	Zone
Vent - Hinged Door - Tinted Glazing										N	NC	SC	S	CA	
7/8"	Grey IG	K-308	4.7 mm	4.7 mm	Argon	0.49	0.34	0.29	47						
	with integral grilles with grilles	K-308	4.7 mm	4.7 mm	Argon	0.49	0.3	0.25	47						
7/8"	Gray IG - PVB	K-308	4.7 mm	4.7 mm	Argon	0.57	0.28	0.23	37						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.51	0.32	0.27	45						
7/8"	GreenSunDefense™ Low-E IG	K-308	4.7 mm	4.7 mm	Argon	0.41	0.18	0.22	55						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.5	0.16	0.19	42						
7/8"	Bronze IG	K-308	4.7 mm	4.7 mm	Argon	0.49	0.36	0.33	47						
	with grilles-between-the-glass	K-308	4.7 mm	4.7 mm	Argon	0.49	0.32	0.29	47						
7/8"	Bronze IG - PVB	K-308	4.7 mm	11.7 mm	Argon	0.51	0.34	0.31	45						
	with grilles-between-the-glass	K-308	4.7 mm	11.7 mm	Argon	0.57	0.3	0.27	37						

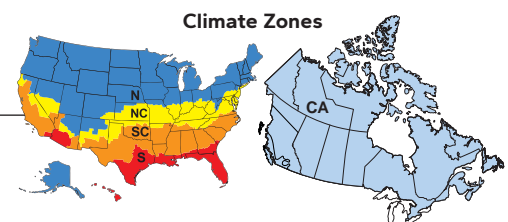
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 VLT % = Visible Light Transmission  
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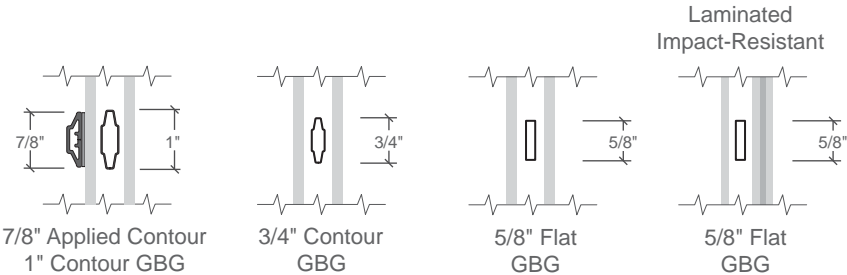




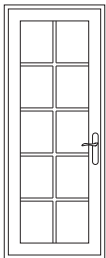
Grilles

Grille Profiles

Grilles-Between-the-Glass



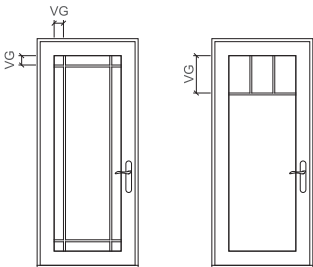
Grille Patterns



Traditional

Traditional

- Specify number of lites in each panel—wide and high.
- Grille bars must be equally divided on visible glass.
- Minimum 6" x 6" center-to-center.



Prairie  
(9-Lite)

Top Row

9-Lite Prairie

- Approximately 6" from edge of panel to center of bar.

Cross sections and elevations on this page are not to scale.  
Contact your local sales representative for current Grille offering including custom options.



# Hurricane Shield Series Hinged Door

## Size Tables

6' 7 3/4" Single Doors				
	(768)	(813)	(914)	
	(749)	(800)	(902)	
Opening	2' 6"	2' 8"	3' 0"	
Frame	2' 5 1/2"	2' 7" 1/2"	2' 11 1/2"	
(2 032) (2 025)				
6' 8"				
6' 7 3/4"				
	LEFT 3080	LEFT 3280	LEFT 3680	

6' 10 3/4" Single Doors				
	(768)	(813)	(914)	
	(749)	(800)	(902)	
Opening	2' 6"	2' 8"	3' 0"	
Frame	2' 5 1/2"	2' 7" 1/2"	2' 11 1/2"	
(2 108) (2 102)				
6' 11"				
6' 10 3/4"				
	LEFT 3083	LEFT 3283	LEFT 3683	

7' 11 3/4" Single Doors				
	(768)	(813)	(914)	
	(749)	(800)	(902)	
Opening	2' 6"	2' 8"	3' 0"	
Frame	2' 5 1/2"	2' 7" 1/2"	2' 11 1/2"	
(2 438) (2 432)				
8' 0"				
7' 11 3/4"				
	LEFT 3096	LEFT 3296	LEFT 3696	

Not to scale.

Traditional grille patterns shown.

All doors and sidelights are glazed with tempered glass.

For windows and patio doors with impact-resistant glass, see product instructions or refer to local building code requirements.

Single doors - Left-hand shown. Right-hand are available.



# Hurricane Shield Series Hinged Door

## Special Sizes and Dimensions

### Special Sizes

Door Type	Min Size		Max Size	
	Width	Height	Width	Height
Single Door (L/R)	24"	74"	38.75"	96"

### Dimension Formulas

Visible Glass	VG Height = FH - 10.125 Single Doors VG Width = FW - 10.125
Clear Opening	Height = FH - 4.075
at 90°	Single Door = FW - 5
at 172°	Single Door = FW - 3.45

Custom sized units in 1/8" increments.  
Doors are viewed from the exterior.  
Contact your local Pella sales representative for more information.





# Hurricane Shield Series Hinged Door

## Design Data

Unit		Clear Opening <sub>1</sub>			Vent Area (Standard Sill)	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered		Performance Class & Grade	
		Width (172°)	Width (90°)	Standard Sill Unit Height			Dual-Pane	Impact Laminated Dual-Pane	Non-Impact	Impact
6' 8" DOORS										
3080	L/R	26.05	24.5	75.675	13.6	9.3	4.7	4.7	LC60	LC50
3280	L/R	28.05	26.5	75.675	14.7	10.3	4.7	4.7	LC60	LC50
3680	L/R	32.05	30.5	75.675	16.8	12.2	4.7	4.7	LC60	LC50
6' 11" DOORS										
3083	L/R	26.05	24.5	78.675	14.2	9.7	4.7	4.7	LC60	LC50
3283	L/R	28.05	26.5	78.675	15.3	10.7	4.7	4.7	LC60	LC50
3683	L/R	32.05	30.5	78.675	17.5	12.7	4.7	4.7	LC60	LC50
8' DOORS										
3096	L/R	26.05	24.5	91.675	16.5	11.5	4.7	4.7	LC60	LC50
3296	L/R	28.05	26.5	91.675	17.8	12.7	4.7	4.7	LC60	LC50
3696	L/R	32.05	30.5	91.675	20.4	15	4.7	4.7	LC60	LC50



# Hurricane Shield Series Hinged Door

## Detailed Product Description

### Frame

- Overall frame depth: 5-1/4".
- Frame members are mitered and heat-fused to provide a fully welded corner assembly. Sill covered with clear anodized aluminum and is fitted with weeps.
- Frame: [Block frame] [Nail fin with 1" set back].
- Interior and exterior frame surfaces are extruded rigid PVC.

### Door panels

- Door Panel consists of extruded rigid PVC.
- Panel members are mitered and heat-fused to provide a fully welded corner assembly.
- Vent panel is fully operable for ventilation.
- Contains sealed insulating glass.

### Weatherstripping

- Foam filled leaf seal around perimeter of frame.

### Glazing System

- Quality fully-tempered float glass complying with ASTM C 1036.
- Exterior face-glazed sealed insulating glass.
- Dual-Pane insulating glass with argon [Advanced Low-E coated] [Turtle Glass] [SunDefense™ Low-E coated [Neat, SunDefense], [Obscure, SunDefense] [Obscure] [Bronze] [Gray] [Blue].

### Interior / Exterior

- Frame and panel members are White with integral color extruded throughout the profiles, consisting of a solar reflective coating exceeding AAMA 613 test requirements.
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.

### Hardware

- Interior handle and thumblock; finish is [White].
- Exterior handle finish is [White] [Black] [Brushed Chrome].
- Keylock with K-keyway cylinder. Finish is [Chrome].
- All fasteners are a corrosion-resistant material compatible with PVC.
- Multi-point lock, [stainless steel].
- Commercial Grade Adjustable Hinges are [White] [Silver].

### Optional Products

#### Grilles

- Grilles-Between-the-Glass
  - Non-Impact Insulating glass contains [[3/4"] [1"] contoured] [5/8" flat] aluminum grilles permanently installed between two panes of glass.
  - Impact-Resistant Insulating glass contains 5/8" flat aluminum grilles permanently installed between two panes of glass.
  - Patterns are [Traditional] [9-Lite Prairie] [Top Row].
  - Grille color matches frame finish.

1) Only 5/8" flat grilles are available in two-tone finishes. Color options may vary depending on glazing selection,  
Contact your local sales representative for current color offering

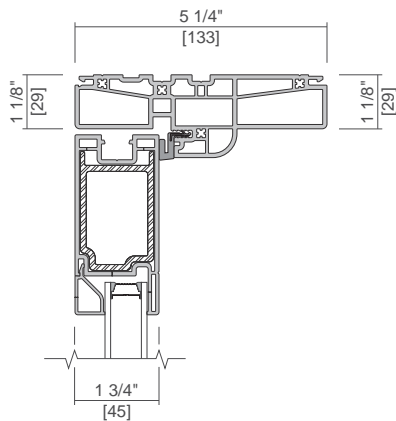


Hurricane Shield Series Hinged Door

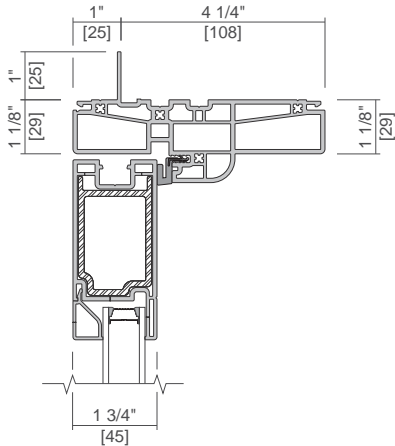
Unit Sections

NEW CONSTRUCTION/REPLACEMENT FRAME

Standard Block Frame

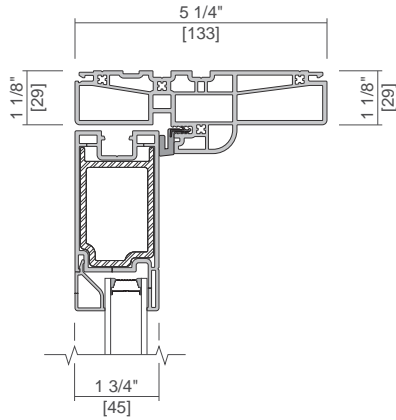


Standard 1" Nailing Fin

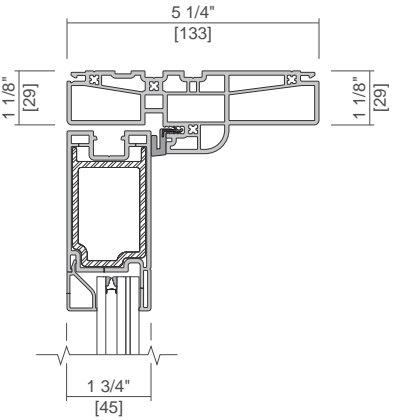


GLAZING OPTIONS

7/8" IG



7/8" IMPACT IG

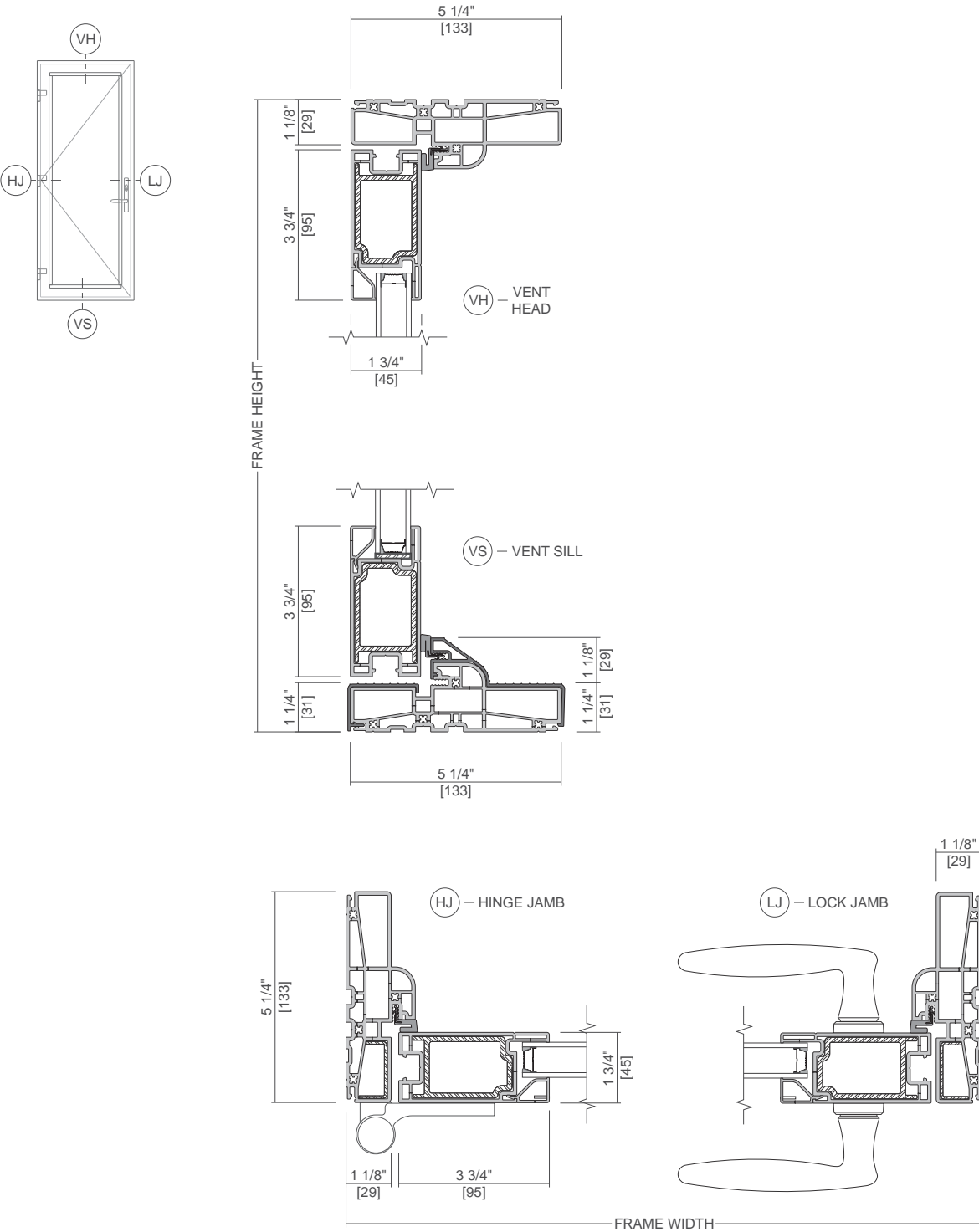


Scale 3" = 1' 0"  
All dimensions are approximate.



# Hurricane Shield Series Hinged Door

## Unit Sections - Block / Box Frame

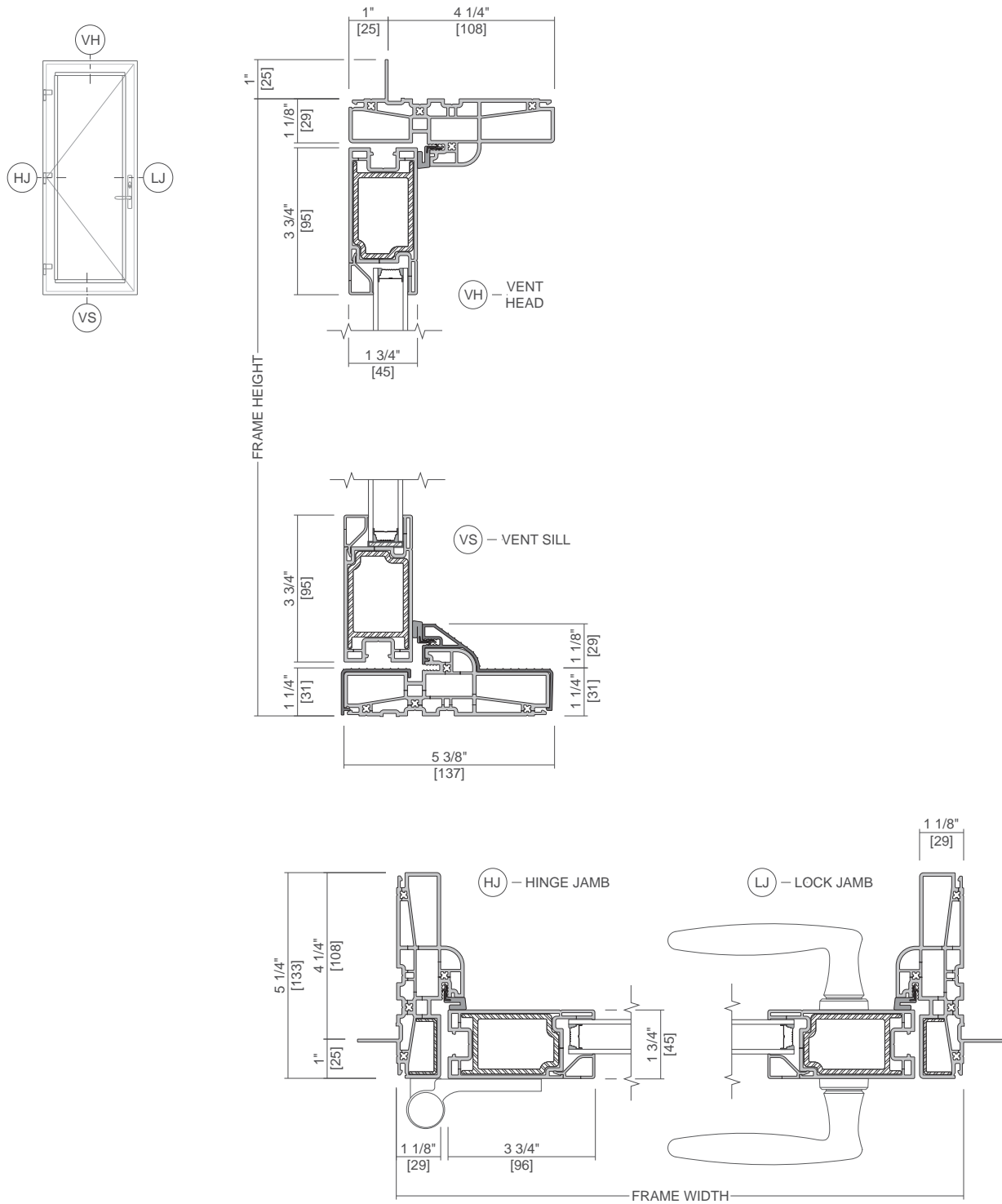


Scale 3" = 1' 0"  
All dimensions are approximate.



Hurricane Shield Series Hinged Door

Unit Sections - Fin Frame



Scale 3" = 1' 0"  
All dimensions are approximate.