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- Handle Hardware Dimensions ISD-46

Supporting documents for this product:

Test Reports:
https://media.pella.com/professional/adm/CertificationReports/Test_Reports_PR-Clad.pdf

CSI Specs (readable using Microsoft Word or other text editing application):
https://media.pella.com/professional/adm/Wood-CSI_Specs/08213-R.rtf

AIA Masterspec
(readable using Microsoft Word or other text editing application):
https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/085200_fl.doc

Detailed Product Description
(readable using Microsoft Word or other text editing application):
Clad: https://media.pella.com/professional/adm/Clad-Wood/Pella-ReserveTrad-Clad-IS_DPD.rtf
Wood: https://media.pella.com/professional/adm/Clad-Wood/Pella-ReserveTrad-Wood-IS_DPD.rtf

Size Tables (requires appropriate CAD software to read and use):
https://media.pella.com/professional/adm/Clad-Wood/Pella-ReserveTrd-IS-Elev_D.dwg

CAD cross sections (requires appropriate CAD software to read and use):
https://media.pella.com/professional/adm/Clad-Wood/Pella-ReserveTrd-IS-Detail_D.dwg

3D & BIM / REVIT (requires appropriate software to read and use):
https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Door-In-Swing-Pella-Reserve-Traditional.zip

Sketchup (requires appropriate software to read and use):
https://media.pella.com/professional/adm/Clad-Wood/PellaSKP_PellaReserve_Traditional_Hinged_Door_In-Swing.zip

Combination Recommendations:
https://media.pella.com/professional/adm/Clad-Wood/Pella-Wood_Combinations.pdf

Installation Details:
https://media.pella.com/professional/adm/Clad-Wood/Pella-Wood_InstallationDetails.pdf

Impact-Resistant In-Swing Door, Complete Product Information:
https://media.pella.com/professional/adm/Clad-Wood/Pella-ImpactResistant_InSwingDoor.pdf

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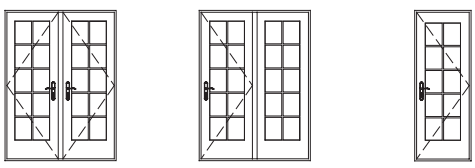
The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local Pella representative for up-to-date product information.

Pella® Reserve™ Traditional In-Swing Patio Door

Size and Performance Data

	Clad	Wood
Sizes		
Standard door sizes	●	●
Standard sidelight sizes	●	●
Standard transom sizes—Fixed Frame Direct Set	●	●
Fixed casement	●	●
Wide stile casement	●	●
Special sizes	●	●
Custom sizes and shapes	●	●
Standard Single-Swing Single Door Widths		
2' 2"	●	●
2' 6"	●	●
2' 10"	●	●
3'	●	●
3' 2"	●	●
Standard Single-Swing Double Door Widths		
4' 2"	●	–
5'	●	–
5' 7"	●	–
6'	●	–
6' 3"	●	–
Standard Double-Swing Door Widths		
4' 2"	●	●
5'	●	●
5' 7"	●	●
6'	●	●
6' 3"	●	●
Standard Door Heights		
6' 7-1/2"	●	●
6' 10"	●	●
7' 2"	●	●
8' 0"	●	●
10' 0"	●	●

Double-Swing	Single-Swing Double	Single-Swing
Active/Passive	Active/Fixed	Active or Fixed



(—) = Not Available

(1) The higher the level, the greater the product's ability to resist forced entry. Valid only if Pella supplied locking system is used.

Size and Performance Data

		Clad	Wood
Performance data [1]			
Doors 8' Tall and Under	**Standard Sill - Non-Impact Glazing**		
	Meets or Exceeds AAMA/WDMA Ratings	LC55 Hallmark Certified	LC55 Hallmark Certified
	Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure)	0.15	0.15
	Water Resistance	8.36 psf	8.36 psf
	Design Pressure	55 psf	55 psf
	Low Profile Sill		
	Water Resistance	0 psf	0 psf
	Products with Impact-Resistant Glass		
	Meets or Exceeds AAMA/WDMA Ratings	LC55	LC55
	Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure)	0.15	0.15
	Water Resistance	8.36 psf	8.36 psf
	Design Pressure	55 psf	55 psf
Doors Over 8' Tall up to 10'	**Standard Sill - Non-Impact Glazing**		
	Meets or Exceeds AAMA/WDMA Ratings	LC40 Hallmark Certified	LC40 Hallmark Certified
	Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure)	0.15	0.15
	Water Resistance	7.52 psf	7.52 psf
	Design Pressure	40 psf	40 psf
	Low Profile Sill		
	Water Resistance	0 psf	0 psf
	Products with Impact-Resistant Glass		
	Meets or Exceeds AAMA/WDMA Ratings	LC40	LC40
	Air Infiltration (cfm/ft² of frame @ 1.57 psf wind pressure)	0.15	0.15
	Water Resistance	7.52 psf	7.52 psf
	Design Pressure	40 psf	40 psf

Other Performance Criteria	
Forced Entry Resistance Level (Minimum Security Grade)[2]	40

Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Tested[3]	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Clad In-Swing	**Without Grilles**						
	71-1/4" x 81-1/2"	13/16"	3mm	3mm	—	31	25
	71-1/4" x 81-1/2"	13/16"	3mm	7.6mm PVB	—	34	28
Clad In-Swing with Impact-Resistant Glass	**Without Grilles**						
	71-1/4" x 81-1/2"	7/8"	8.6mm PVB	4.7mm	—	33	30

(—) = Not Available

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. Doors supplied without latching hardware are not AAMA/WDMA performance certified. See Design Data pages in this section for specific product performance class and grade values.

(2) The higher the level, the greater the product's ability to resist forced entry. Valid only if Pella supplied locking system is used.

(3) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.

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

Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	Triple-Pane Insulating Glass
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	SunDefense+ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	NaturalSun+ Low-E
	Clear (no Low-E coating)
Additional Glass Options	
Tempered Glass	Obscure Glass[1]
	Tinted Glass (Bronze, Gray and Green)
	Impact-Resistant Laminated Glass
Gas Fill/High Altitude	
Argon	High altitude
Wood Types	
Pine	Mahogany, Douglas Fir
Exterior	
EnduraClad® protective finish	EnduraClad Plus protective finish
	Factory Primed Pine wood exterior
	Unfinished Mahogany wood exterior
Cladding Colors	
Standard colors[1]	Feature Colors, Custom Colors[1]
Sill Finish[2]	
Black	Mill finish
Interior	
Unfinished wood	Factory primed[3], Factory prefinished paint[3], Factory prefinished stain
Hardware	
White, Champagne, Brown, Matte Black	Satin Brass, Satin Nickel, Oil-Rubbed Bronze,
Locking System	
Multi-Point	—
Key lock	—
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross, New England, Victorian, Custom
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row, Cross, Custom-Equally Divided
Screens	
—	InView™ screens

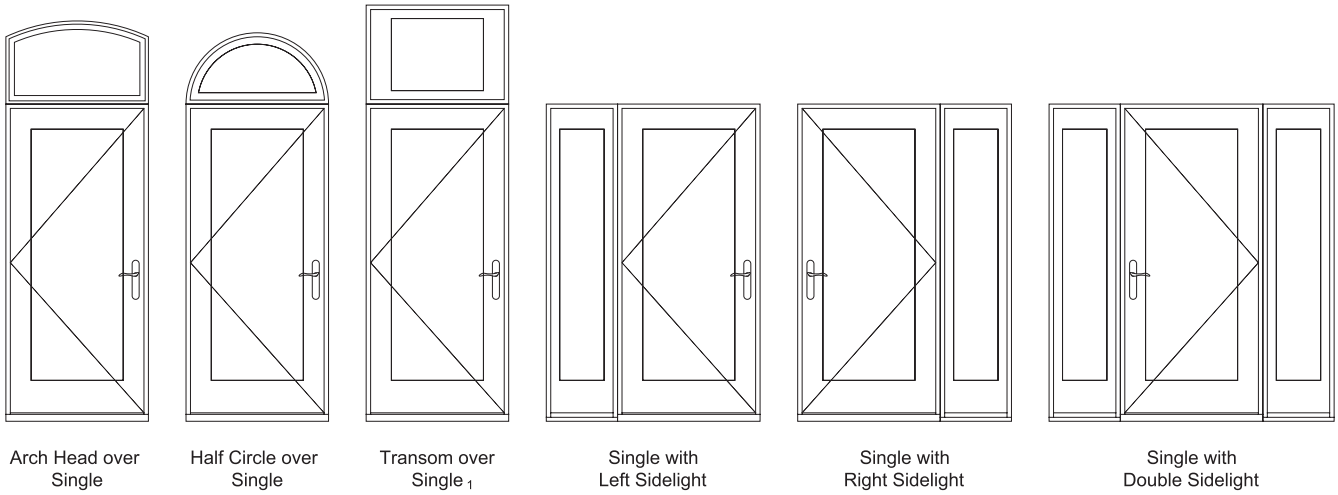
(1) Contact your local Pella sales representative for current designs and color options.
(2) Finish options include low profile sill.
(3) Not available on Mahogany and Douglas Fir interiors.

Combinations

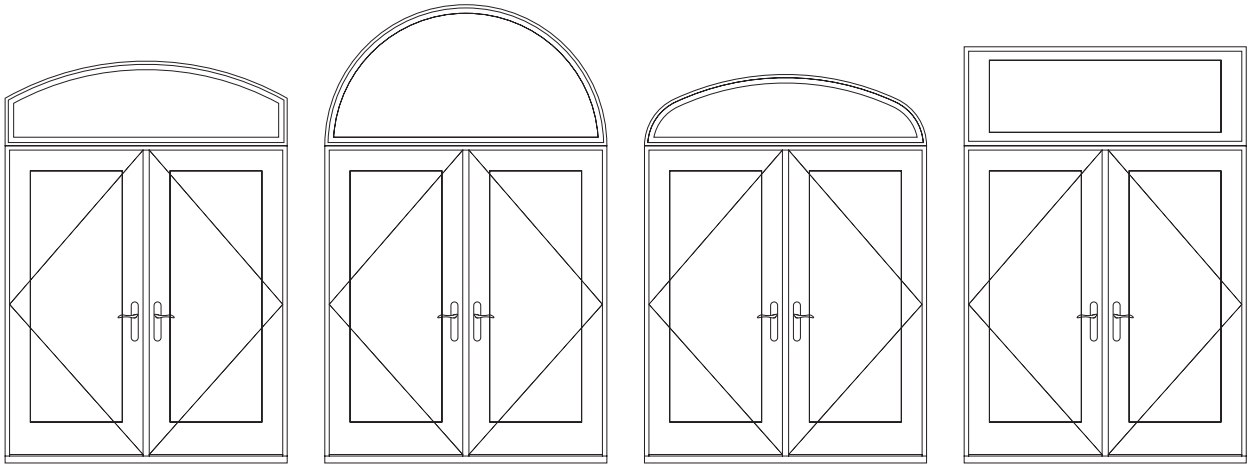
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mulled together by a combination or reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements. Below are examples of common configurations, see the Combinations Recommendations document for typical mullions, requirements and limitations.

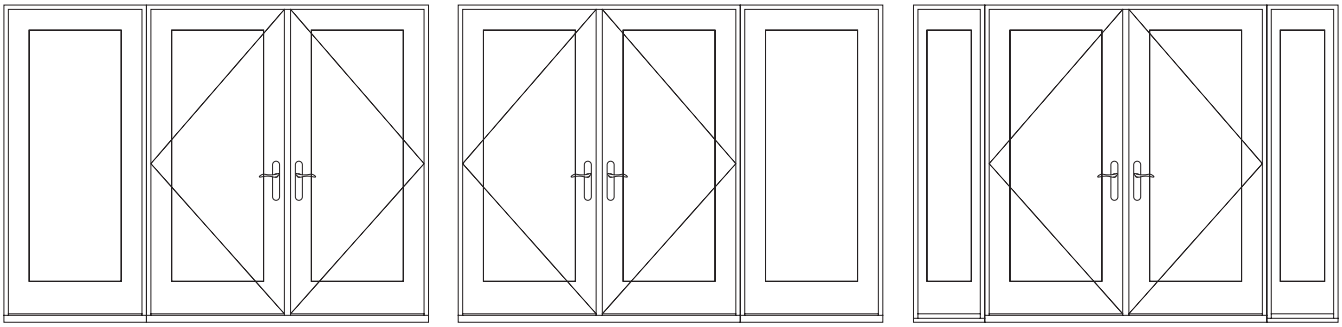
Contact your local Pella sales representative for more information.



Arch Head over Single | Half Circle over Single | Transom over Single [1] | Single with Left Sidelight | Single with Right Sidelight | Single with Double Sidelight



Arch Head over Double | Half Circle over Double | Elliptical over Double | Transom over Double



Double with Single Left | Double with Single Right | Double with Double Sidelights

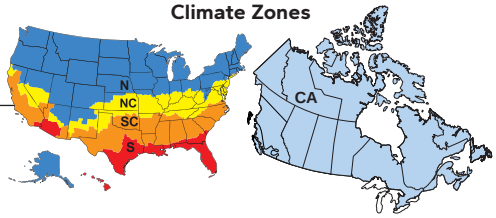
(1) Other rectangular profiles are also available as combination options.

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm) Ext.	Glass (mm) Int.	Gap Fill	Performance Values[1] U-Factor	SHGC	VLT	CR	Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown U. S. Zone N	NC	SC	S	Canada[2] ER	Zone CA
Vent Dual-Pane Glazing - Aluminum-Clad Exterior															
13/16"	Clear IG	PEL-N-218-07953-00001	3	3	air	0.40	0.44	0.46	48						
	with grilles-between-the-glass	PEL-N-218-07954-00001				0.40	0.38	0.39	48						
	with integral grilles	PEL-N-218-07955-00001				0.40	0.38	0.39	48						
13/16"	Advanced Low-E IG	PEL-N-218-07985-00001	3	3	argon	0.27	0.21	0.39	61			SC	S		
	with grilles-between-the-glass	PEL-N-218-07986-00001				0.27	0.18	0.33	61			SC	S		
	with integral grilles	PEL-N-218-07987-00001				0.28	0.18	0.33	61			SC	S		
13/16"	SunDefense™ Low-E IG	PEL-N-218-07961-00001	3	3	argon	0.27	0.16	0.36	61			SC	S		
	with grilles-between-the-glass	PEL-N-218-07962-00001				0.27	0.14	0.31	61			SC	S		
	with integral grilles	PEL-N-218-07963-00001				0.28	0.14	0.31	61			SC	S		
13/16"	SunDefense+ Low-E IG	PEL-N-218-11573-00001	3	3	argon	0.24	0.16	0.35	48	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-11574-00001				0.24	0.14	0.30	48	N	NC	SC	S		
	with integral grilles	PEL-N-218-11575-00001				0.25	0.14	0.30	48	N	NC	SC	S		
13/16"	AdvancedComfort Low-E IG	PEL-N-218-07969-00001	3	3	argon	0.24	0.21	0.38	48	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-07970-00001				0.24	0.18	0.33	48	N	NC	SC	S		
	with integral grilles	PEL-N-218-07971-00001				0.25	0.18	0.33	48	N	NC	SC	S		
13/16"	NaturalSun Low-E IG	PEL-N-218-07977-00001	3	3	argon	0.28	0.39	0.44	60						
	with grilles-between-the-glass	PEL-N-218-07978-00001				0.28	0.34	0.38	60						
	with integral grilles	PEL-N-218-07979-00001				0.29	0.34	0.38	60						
13/16"	NaturalSun+ Low-E IG	PEL-N-218-11541-00001	3	3	argon	0.25	0.36	0.43	47	N	NC				
	with grilles-between-the-glass	PEL-N-218-11542-00001				0.25	0.31	0.37	47	N	NC				
	with integral grilles	PEL-N-218-11543-00001				0.26	0.31	0.37	47	N	NC				
Tinted Glazing															
13/16"	Bronze Advanced Low-E IG	PEL-N-218-08029-00001	5	3	argon	0.27	0.19	0.25	62			SC	S		
	with grilles-between-the-glass	PEL-N-218-08030-00001				0.27	0.16	0.22	62			SC	S		
	with integral grilles	PEL-N-218-08031-00001				0.28	0.16	0.22	62			SC	S		
13/16"	Gray Advanced Low-E IG	PEL-N-218-08037-00001	5	3	argon	0.27	0.17	0.22	62			SC	S		
	with grilles-between-the-glass	PEL-N-218-08038-00001				0.27	0.15	0.19	62			SC	S		
	with integral grilles	PEL-N-218-08039-00001				0.28	0.15	0.19	62			SC	S		
13/16"	Green Advanced Low-E IG	PEL-N-218-08045-00001	5	3	argon	0.27	0.21	0.34	62			SC	S		
	with grilles-between-the-glass	PEL-N-218-08046-00001				0.27	0.18	0.29	62			SC	S		
	with integral grilles	PEL-N-218-08047-00001				0.28	0.18	0.29	62			SC	S		
High Altitude Glazing															
13/16"	Advanced Low-E IG	PEL-N-218-07981-00001	3	3	air	0.30	0.21	0.39	58						
	with grilles-between-the-glass	PEL-N-218-07982-00001				0.30	0.19	0.33	58						
	with integral grilles	PEL-N-218-07983-00001				0.31	0.19	0.33	58						
13/16"	SunDefense Low-E IG	PEL-N-218-07957-00001	3	3	air	0.30	0.16	0.36	58						
	with grilles-between-the-glass	PEL-N-218-07958-00001				0.30	0.14	0.31	58						
	with integral grilles	PEL-N-218-07959-00001				0.30	0.14	0.31	58						
13/16"	SunDefense+ Low-E IG	PEL-N-218-11569-00001	3	3	air	0.26	0.16	0.35	45	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-11570-00001				0.26	0.14	0.30	45	N	NC	SC	S		
	with integral grilles	PEL-N-218-11571-00001				0.27	0.14	0.30	45			SC	S		
13/16"	AdvancedComfort Low-E IG	PEL-N-218-07965-00001	3	3	air	0.26	0.21	0.38	45	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-07966-00001				0.26	0.18	0.33	45	N	NC	SC	S		
	with integral grilles	PEL-N-218-07967-00001				0.27	0.18	0.33	45			SC	S		
13/16"	NaturalSun Low-E IG	PEL-N-218-07973-00001	3	3	air	0.30	0.39	0.44	57						
	with grilles-between-the-glass	PEL-N-218-07974-00001				0.30	0.34	0.38	57						
	with integral grilles	PEL-N-218-07975-00001				0.31	0.34	0.38	57						
13/16"	NaturalSun+ Low-E IG	PEL-N-218-11537-00001	3	3	air	0.26	0.35	0.43	44	N	NC				
	with grilles-between-the-glass	PEL-N-218-11538-00001				0.26	0.31	0.37	44	N	NC				
	with integral grilles	PEL-N-218-11539-00001				0.27	0.31	0.37	44						

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

Climate Zones



(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

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

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

Visit www.energystar.gov for Energy Star guidelines.

Pella® Reserve™ Traditional In-Swing Patio Door

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values[1]				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Mid.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada[2]	
											Zone				ER	Zone
Vent Triple-Pane Glazing - Aluminum-Clad Exterior											N	NC	SC	S		CA
1"	Advanced Low-E IG	PEL-N-218-08345-00001	3	3	3	argon	0.22	0.19	0.35	70	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-08346-00001					0.23	0.17	0.29	70	N	NC	SC	S		
	with integral grilles	PEL-N-218-08347-00001					0.23	0.17	0.29	70	N	NC	SC	S		
1"	SunDefense™ Low-E IG	PEL-N-218-08357-00001	3	3	3	argon	0.22	0.15	0.32	70	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-08358-00001					0.23	0.13	0.27	70	N	NC	SC	S		
	with integral grilles	PEL-N-218-08359-00001					0.23	0.13	0.27	70	N	NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-218-08333-00001	3	3	3	argon	0.23	0.32	0.39	70	N	NC				
	with grilles-between-the-glass	PEL-N-218-08334-00001					0.23	0.28	0.33	70	N	NC				
	with integral grilles	PEL-N-218-08335-00001					0.23	0.28	0.33	70	N	NC				
High Altitude Glazing																
1"	Advanced Low-E IG	PEL-N-218-08341-00001	3	3	3	air	0.25	0.19	0.35	66	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-08342-00001					0.26	0.17	0.29	66	N	NC	SC	S		
	with integral grilles	PEL-N-218-08343-00001					0.25	0.17	0.29	66	N	NC	SC	S		
1"	SunDefense Low-E IG	PEL-N-218-08353-00001	3	3	3	air	0.25	0.15	0.32	66	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-218-08354-00001					0.26	0.13	0.27	66	N	NC	SC	S		
	with integral grilles	PEL-N-218-08355-00001					0.25	0.13	0.27	66	N	NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-218-08329-00001	3	3	3	air	0.25	0.32	0.39	66	N	NC				
	with grilles-between-the-glass	PEL-N-218-08330-00001					0.26	0.28	0.33	66	N	NC				
	with integral grilles	PEL-N-218-08331-00001					0.26	0.28	0.33	66	N	NC				

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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

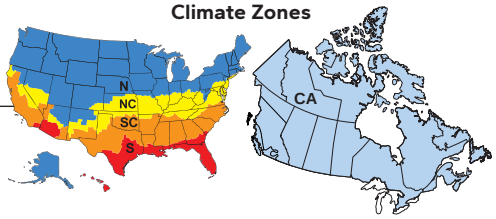
(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

Visit www.energystar.gov for Energy Star guidelines.

Climate Zones

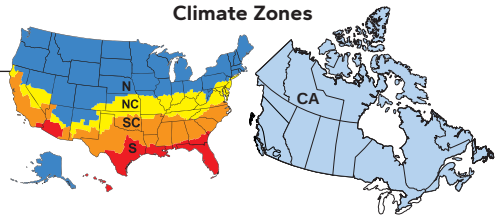


Pella® Reserve™ Traditional In-Swing Patio Door

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values[1]				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S. Zone				Canada[2] ER	Canada[2] Zone
										N	NC	SC	S		CA
Vent Dual-Pane Glazing - Wood Exterior															
13/16"	Clear IG	PEL-N-215-06521-00001	3	3	Air	0.39	0.44	0.46	46						
	with grilles-between-the-glass	PEL-N-215-06522-00001				0.39	0.38	0.39	46						
	with integral grilles	PEL-N-215-06523-00001				0.40	0.38	0.39	46						
13/16"	Advanced Low-E IG	PEL-N-215-06537-00001	3	3	Argon	0.27	0.21	0.39	59			SC	S		
	with grilles-between-the-glass	PEL-N-215-06538-00001				0.27	0.18	0.33	59			SC	S		
	with integral grilles	PEL-N-215-06539-00001				0.28	0.18	0.33	59			SC	S		
13/16"	SunDefense™ Low-E IG	PEL-N-215-06529-00001	3	3	Argon	0.27	0.16	0.36	46			SC	S		
	with grilles-between-the-glass	PEL-N-215-06530-00001				0.27	0.14	0.31	46			SC	S		
	with integral grilles	PEL-N-215-06531-00001				0.27	0.14	0.31	46			SC	S		
13/16"	SunDefense+ Low-E IG	PEL-N-215-08533-00001	3	3	argon	0.24	0.16	0.35	39	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-08534-00001				0.24	0.14	0.30	39	N	NC	SC	S		
	with integral grilles	PEL-N-215-08535-00001				0.25	0.14	0.30	39	N	NC	SC	S		
13/16"	AdvancedComfort Low-E IG	PEL-N-215-06553-00001	3	3	Argon	0.24	0.21	0.38	58	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-06554-00001				0.24	0.18	0.33	58	N	NC	SC	S		
	with integral grilles	PEL-N-215-06555-00001				0.25	0.18	0.33	58	N	NC	SC	S		
13/16"	NaturalSun Low-E IG	PEL-N-215-06545-00001	3	3	Argon	0.28	0.39	0.44	59						
	with grilles-between-the-glass	PEL-N-215-06546-00001				0.28	0.34	0.38	59						
	with integral grilles	PEL-N-215-06547-00001				0.28	0.34	0.38	59						
13/16"	NaturalSun+ Low-E IG	PEL-N-215-08509-00001	3	3	argon	0.24	0.36	0.43	49	N	NC				
	with grilles-between-the-glass	PEL-N-215-08510-00001				0.24	0.31	0.37	49	N	NC				
	with integral grilles	PEL-N-215-08511-00001				0.25	0.31	0.37	49	N	NC				
Tinted Glazing															
13/16"	Bronze Advanced Low-E IG	PEL-N-215-06573-00002	5	3	Argon	0.27	0.19	0.25	58			SC	S		
	with grilles-between-the-glass	PEL-N-215-06574-00002				0.27	0.17	0.22	62			SC	S		
	with integral grilles	PEL-N-215-06575-00002				0.28	0.17	0.22	58			SC	S		
13/16"	Gray Advanced Low-E IG	PEL-N-215-06573-00003	5	3	Argon	0.27	0.17	0.22	58			SC	S		
	with grilles-between-the-glass	PEL-N-215-06574-00003				0.27	0.15	0.19	62			SC	S		
	with integral grilles	PEL-N-215-06575-00003				0.28	0.15	0.19	58			SC	S		
13/16"	Green Advanced Low-E IG	PEL-N-215-06573-00004	5	3	Argon	0.27	0.21	0.34	58			SC	S		
	with grilles-between-the-glass	PEL-N-215-06574-00004				0.27	0.19	0.29	62			SC	S		
	with integral grilles	PEL-N-215-06575-00004				0.28	0.19	0.29	58			SC	S		
High Altitude Glazing															
13/16"	Advanced Low-E IG	PEL-N-215-06533-00001	3	3	Air	0.30	0.21	0.39	46						
	with grilles-between-the-glass	PEL-N-215-06534-00001				0.30	0.19	0.33	46						
	with integral grilles	PEL-N-215-06535-00001				0.30	0.19	0.33	46						
13/16"	SunDefense Low-E IG	PEL-N-215-06525-00001	3	3	Air	0.29	0.16	0.36	46						
	with grilles-between-the-glass	PEL-N-215-06526-00001				0.29	0.14	0.31	46						
	with integral grilles	PEL-N-215-06527-00001				0.30	0.14	0.31	46						
13/16"	SunDefense+ Low-E IG	PEL-N-215-08529-00001	3	3	air	0.25	0.16	0.35	49	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-08530-00001				0.25	0.14	0.30	49	N	NC	SC	S		
	with integral grilles	PEL-N-215-08531-00001				0.26	0.14	0.30	52	N	NC	SC	S		
13/16"	AdvancedComfort Low-E IG	PEL-N-215-06549-00001	3	3	Air	0.26	0.21	0.38	62	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-06550-00001				0.26	0.18	0.33	62	N	NC	SC	S		
	with integral grilles	PEL-N-215-06551-00001				0.26	0.18	0.33	62	N	NC	SC	S		
13/16"	NaturalSun Low-E IG	PEL-N-215-06541-00001	3	3	Air	0.30	0.39	0.44	63						
	with grilles-between-the-glass	PEL-N-215-06542-00001				0.30	0.34	0.38	63						
	with integral grilles	PEL-N-215-06543-00001				0.31	0.34	0.38	63						
13/16"	NaturalSun+ Low-E IG	PEL-N-215-08505-00001	3	3	air	0.26	0.36	0.43	41	N	NC				
	with grilles-between-the-glass	PEL-N-215-08506-00001				0.26	0.31	0.37	41	N	NC				
	with integral grilles	PEL-N-215-08507-00001				0.27	0.31	0.37	41						

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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

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

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

Visit www.energystar.gov for Energy Star guidelines.

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values[1]				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Mid.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada[2]	
											Zone				ER	Zone
Vent Triple-Pane Glazing - Wood Exterior											N	NC	SC	S		CA
1"	Advanced Low-E IG	PEL-N-215-06713-00001	3	3	3	Argon	0.22	0.19	0.35	64	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-06714-00001					0.23	0.17	0.29	64	N	NC	SC	S		
	with integral grilles	PEL-N-215-06715-00001					0.23	0.17	0.29	64	N	NC	SC	S		
1"	SunDefense™ Low-E IG	PEL-N-215-06725-00001	3	3	3	Argon	0.22	0.15	0.32	68	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-06726-00001					0.23	0.13	0.27	68	N	NC	SC	S		
	with integral grilles	PEL-N-215-06727-00001					0.22	0.13	0.27	68	N	NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-215-06701-00001	3	3	3	Argon	0.22	0.32	0.39	67	N	NC				
	with grilles-between-the-glass	PEL-N-215-06702-00001					0.23	0.28	0.33	67	N	NC				
	with integral grilles	PEL-N-215-06703-00001					0.23	0.28	0.33	67	N	NC				
High Altitude Glazing																
1"	Advanced Low-E IG	PEL-N-215-06709-00001	3	3	3	Air	0.25	0.20	0.35	68	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-06710-00001					0.25	0.17	0.29	68	N	NC	SC	S		
	with integral grilles	PEL-N-215-06711-00001					0.25	0.17	0.29	68	N	NC	SC	S		
1"	SunDefense Low-E IG	PEL-N-215-06721-00001	3	3	3	Air	0.25	0.15	0.32	69	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-215-06722-00001					0.25	0.13	0.27	69	N	NC	SC	S		
	with integral grilles	PEL-N-215-06723-00001					0.25	0.13	0.27	69	N	NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-215-06697-00001	3	3	3	Air	0.25	0.32	0.39	69	N	NC				
	with grilles-between-the-glass	PEL-N-215-06698-00001					0.25	0.28	0.33	69	N	NC				
	with integral grilles	PEL-N-215-06699-00001					0.25	0.28	0.33	69	N	NC				

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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

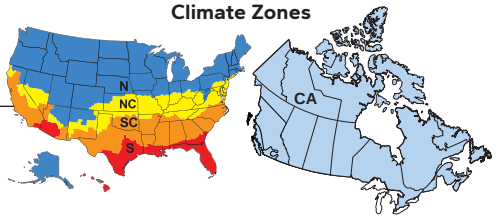
(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

Visit www.energystar.gov for Energy Star guidelines.

Climate Zones



Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values[1]				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada[2]	
										Zone				ER	Zone
Vent - Laminated Impact-Resistant Glass										N	NC	SC	S		CA
7/8"	Clear IG	PEL-N-218-08281-00001	8	5	air	0.41	0.38	0.44	43						
	with grilles-between-the-glass	PEL-N-218-08282-00001				0.42	0.33	0.38	43						
	with integral grilles	PEL-N-218-08283-00001				0.42	0.33	0.38	43						
7/8"	Advanced Low-E IG	PEL-N-218-08285-00001	8	5	argon	0.29	0.21	0.38	58						
	with grilles-between-the-glass	PEL-N-218-08286-00001				0.30	0.18	0.33	58						
	with integral grilles	PEL-N-218-08287-00001				0.30	0.18	0.33	58						
7/8"	SunDefense™ Low-E IG	PEL-N-218-08289-00001	8	5	argon	0.28	0.17	0.35	58			SC	S		
	with grilles-between-the-glass	PEL-N-218-08290-00001				0.30	0.15	0.30	58						
	with integral grilles	PEL-N-218-08291-00001				0.30	0.15	0.30	58						
Tinted Laminated Impact-Resistant Glass															
7/8"	Bronze Advanced Low-E IG	PEL-N-218-08293-00001	8	5	air	0.41	0.26	0.18	44						
	with grilles-between-the-glass	PEL-N-218-08294-00001				0.42	0.23	0.15	44						
	with integral grilles	PEL-N-218-08295-00001				0.41	0.23	0.15	44						
7/8"	Gray Advanced Low-E IG	PEL-N-218-08297-00001	8	5	air	0.41	0.29	0.21	44						
	with grilles-between-the-glass	PEL-N-218-08298-00001				0.42	0.25	0.18	44						
	with integral grilles	PEL-N-218-08299-00001				0.41	0.25	0.18	44						
7/8"	Green Advanced Low-E IG	PEL-N-218-08301-00001	8	5	air	0.41	0.34	0.36	44						
	with grilles-between-the-glass	PEL-N-218-08302-00001				0.42	0.30	0.31	44						
	with integral grilles	PEL-N-218-08303-00001				0.41	0.30	0.31	44						

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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

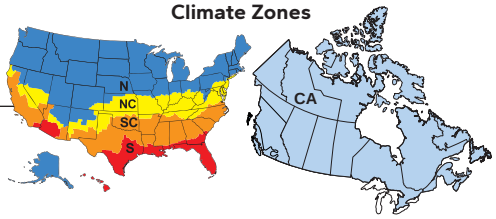
(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

U-Factor values shown are based on a standard sill and pine interior.

For center-glass values, see the Product Performance section.

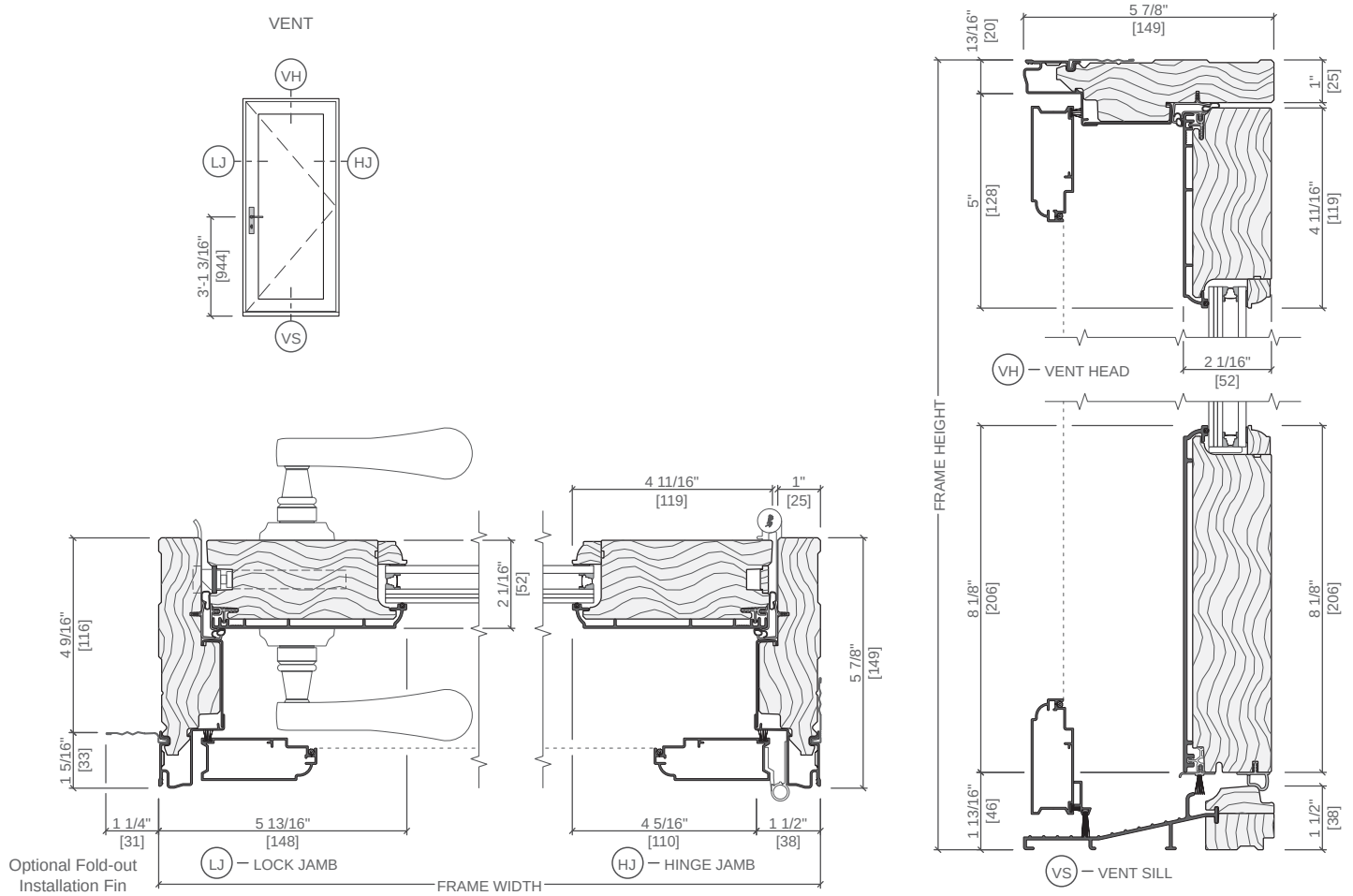
Visit www.energystar.gov for Energy Star guidelines.

Climate Zones



For a complete list of ratings, refer to the Impact-Resistant product section.

	Clad
	7/8" Insulated Glass PVB
Maximum Performance Grade [1]	
Vent units 6' 10" tall and under	+55 / -70
Vent units 8' 0" tall and under	+55 / -70
Vent units over 8' 0" tall up to 10' 0" tall	+40 / -40
Fixed units 6' 10" tall and under	+55 / -70
Fixed units 8' 0" tall and under	+55 / -70
Fixed units over 8' 0" tall up to 10' 0" tall	+55 / -70
Certification	
Miami-Dade County	—
Hallmark	411-H-1164
FPAS	FL14293
TDI	DR-635

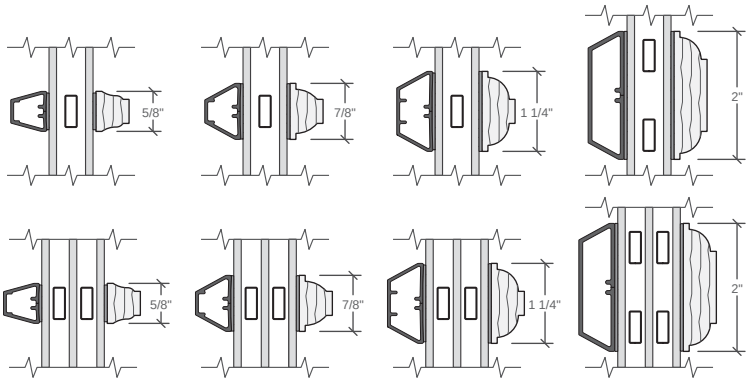


(—) = Not applicable.
(1) Units are tested for air/water/structural and impact-resistance, and certified for wind zone 4, large missile rating D.
For clear opening, vent area, visible glass, and frame area, see clad Design Data pages.
To convert areas to square meters (m2), multiply square feet by 0.0929.
Doors with low profile sills, curved glass in rectangular panel, custom stiles and rails, and no-lock no-bore hardware options are not certified to above standards.

Grille Profiles

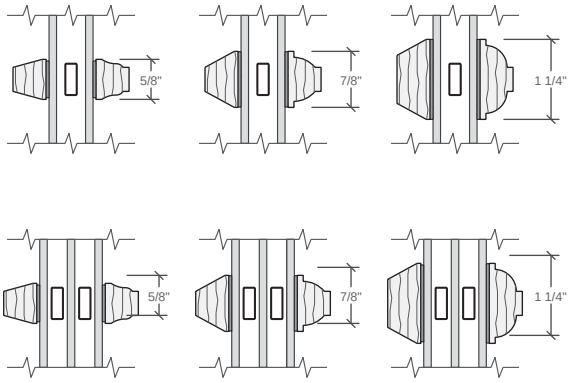
Traditional Style Collection - Integral Light Technology ®

Putty Glaze and Ogee Grilles
Clad Exterior - Wood Interior



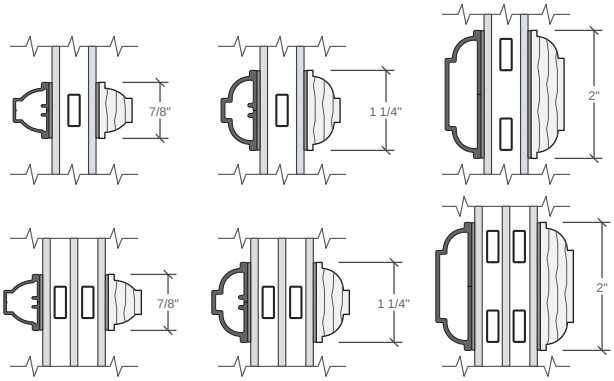
5/8" Regular | 7/8" Regular | 1 1/4" Regular | 2" Regular

Putty Glaze and Ogee Grilles
Wood Exterior - Wood Interior



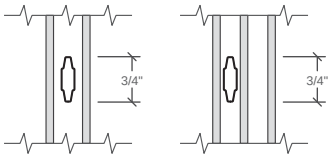
5/8" Regular | 7/8" Regular | 1 1/4" Regular

Ogee Grilles
Clad Exterior - Wood Interior



7/8" Regular | 1 1/4" Regular | 2" Regular

Grilles-Between-the-Glass



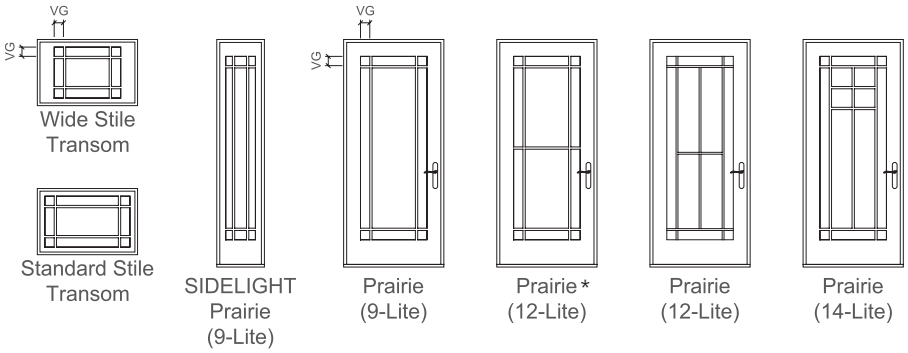
3/4" Contoured | 3/4" Contoured

Interior wood Integral Light Technology grilles available in Pine, Mahogany or Douglas Fir to match complete unit.

Grille Patterns

Integral Light Technology® Grilles

Prairie Lite Patterns



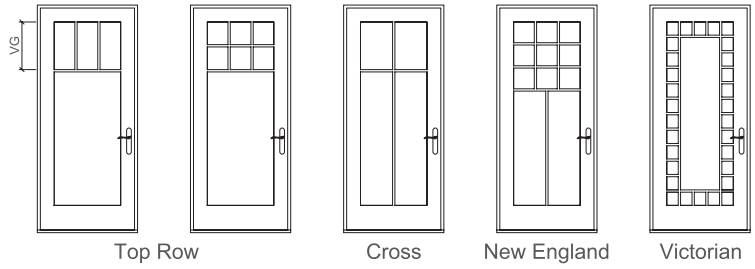
All sidelights and transoms will have 9 lights.

Standard corner lite dimension for Prairie patterns = 3-1/2" VG.

Integral Light Technology Grilles

- 9-Lite available in all standard and special sizes.
- 12-Lite available at 8' height; other heights available per custom drawing.
- 14-Lite available in units > 2' 1-1/2" width.

Other Available Patterns



Top Row

- Standard visible glass to separator bar = 14" or half of total visible glass height, whichever is smaller.

Cross

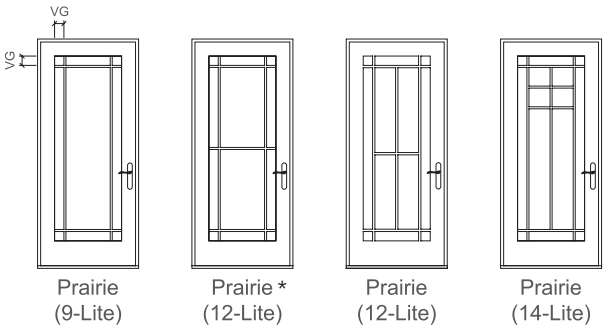
- Standard visible glass to separator bar = one-quarter of total visible glass height.

New England

- Standard visible glass to separator bar = half of total visible glass height.

Grilles-Between-the-Glass

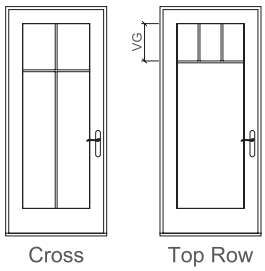
Prairie Lite Patterns



Prairie

- Standard corner lite dimension = 3-1/2" VG.
- 9-Lite available in units < 7' 0-3/4" height.
- * Prairie in heights > 7' 0-1/2" will have 12 lites.
- 12-Lite available in units ≤ 7' 2" height.

Other Available Patterns



Cross

- Horizontal bar is 1/4 of visible glass from the top in door panels.
- Not available in transoms.

Top Row

- Horizontal bar may be ordered 12", 14" or 16" from the top VG.
- Transoms with frame heights ≥ 21", the horizontal bar will be positioned at 1/2 the visible glass height.
- Top Row not available in transoms with frame height <21".

For traditional patterns, see size tables.

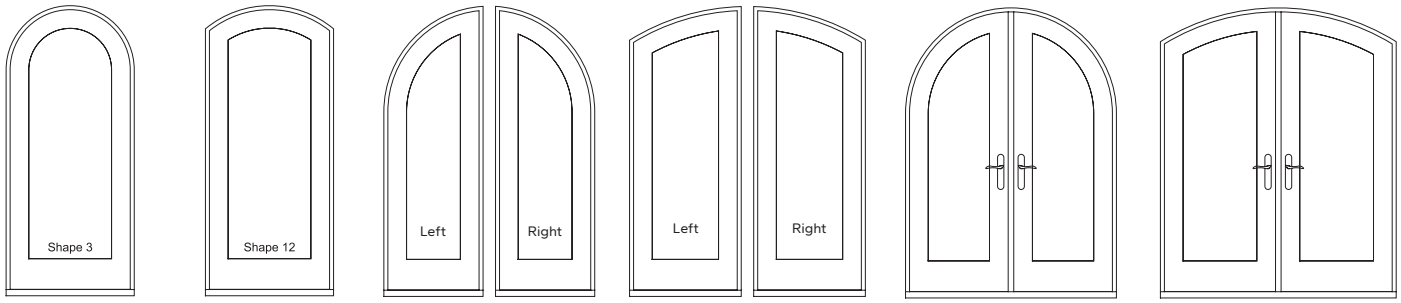
VG = Visible Glass

Lite dimensions noted can vary.

Custom configurations are available; for details contact your local Pella sales representative.

Custom Shapes

Pella Reserve In-Swing French doors are available in the additional shapes shown below, as well as custom shapes. For specifications, size limitations, and details on these units, contact your local Pella sales representative.

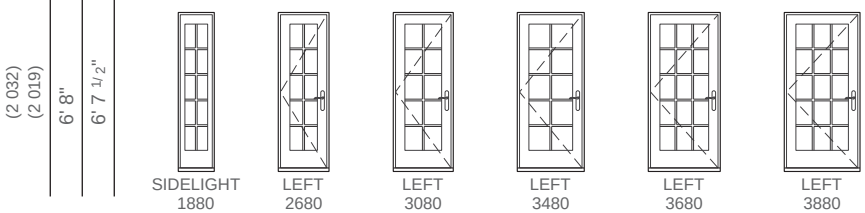


Full Springline | Full Arch Head | Partial Springline | Partial Arch Head | Shape 3 Full Springline | Shape 12 Full Arch Head

Size Tables

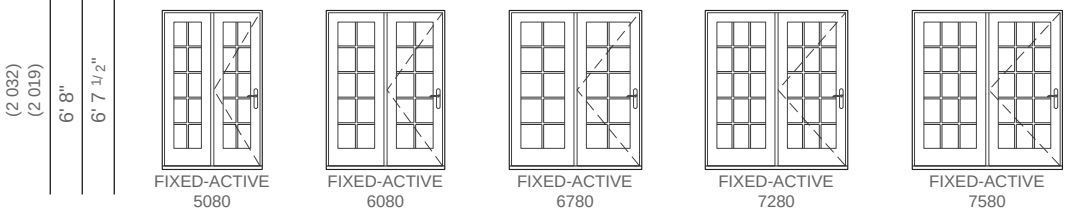
6' 7" Single Doors and Sidelight

	(476) (457)	(664) (645)	(781) (762)	(870) (851)	(933) (914)	(981) (962)
Opening	1' 6 3/4"	2' 2 1/8"	2' 6 3/4"	2' 10 1/4"	3' 0 3/4"	3' 2 5/8"
Frame	1' 6"	2' 1 3/8"	2' 6"	2' 9 1/2"	3' 0"	3' 1 7/8"
(2 032) (2 019) 6' 8" / 6' 7 1/2"	SIDELIGHT 1880	LEFT 2680	LEFT 3080	LEFT 3480	LEFT 3680	LEFT 3880



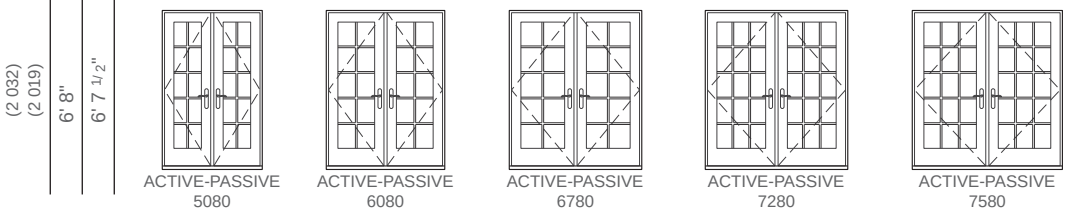
6' 7" Double Doors Fixed-Active

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(2 032) (2 019) 6' 8" / 6' 7 1/2"	FIXED-ACTIVE 5080	FIXED-ACTIVE 6080	FIXED-ACTIVE 6780	FIXED-ACTIVE 7280	FIXED-ACTIVE 7580



6' 7" Double Doors Active-Passive

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(2 032) (2 019) 6' 8" / 6' 7 1/2"	ACTIVE-PASSIVE 5080	ACTIVE-PASSIVE 6080	ACTIVE-PASSIVE 6780	ACTIVE-PASSIVE 7280	ACTIVE-PASSIVE 7580



Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors and sidelights are glazed with tempered glass.

Left-hand single doors shown, right-hand and fixed also available.

For Wood Units Only:

To determine masonry dimensions when using Pella 1-7/8" brickmould, add 1-5/8" to frame height and 3-1/8" to frame width. When using Pella 3-1/2" brickmould, add 6-3/8" to frame width and 3-1/4" to frame height.

Size Tables

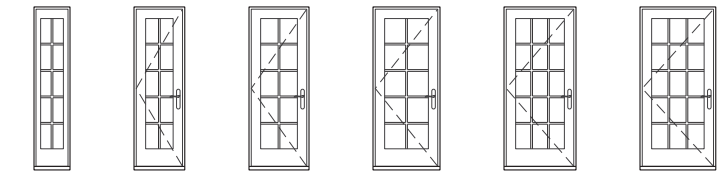
6' 10" Single Doors and Sidelight

	(476) (457)	(664) (645)	(781) (762)	(870) (851)	(933) (914)	(981) (962)
Opening	1' 6 3/4"	2' 2 1/8"	2' 6 3/4"	2' 10 1/4"	3' 0 3/4"	3' 2 5/8"
Frame	1' 6"	2' 1 3/8"	2' 6"	2' 9 1/2"	3' 0"	3' 1 7/8"

(2 083)
(2 070)

6' 10"

6' 9 1/2"



SIDELIGHT 1882 | LEFT 2682 | LEFT 3082 | LEFT 3482 | LEFT 3682 | LEFT 3882

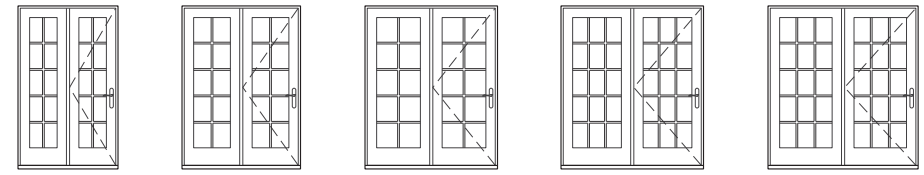
6' 10" Double-Swing Doors Fixed-Active

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"

(2 083)
(2 070)

6' 10"

6' 9 1/2"



FIXED-ACTIVE 5082 | FIXED-ACTIVE 6082 | FIXED-ACTIVE 6782 | FIXED-ACTIVE 7282 | FIXED-ACTIVE 7582

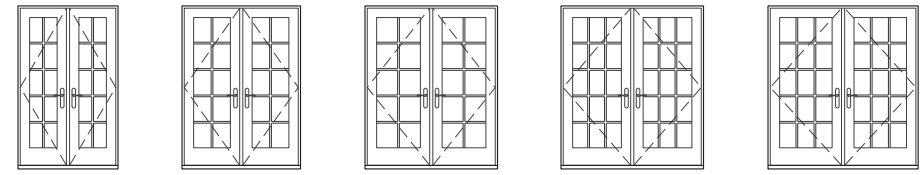
6' 10" Double Doors Active-Passive

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"

(2 083)
(2 070)

6' 10"

6' 9 1/2"



ACTIVE-PASSIVE 5082 | ACTIVE-PASSIVE 6082 | ACTIVE-PASSIVE 6782 | ACTIVE-PASSIVE 7282 | ACTIVE-PASSIVE 7582

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors and sidelights are glazed with tempered glass.

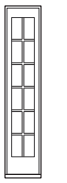
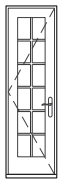
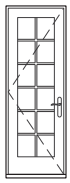
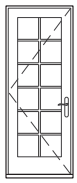
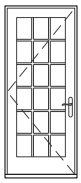
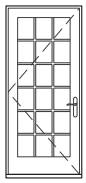
Left-hand single doors shown, right-hand and fixed also available.

For Wood Units Only:

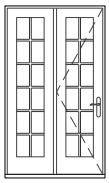
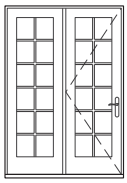
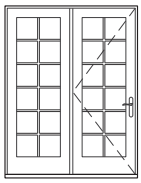
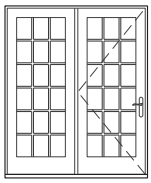
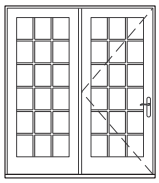
To determine masonry dimensions when using Pella 1-7/8" brickmould, add 1-5/8" to frame height and 3-1/8" to frame width. When using Pella 3-1/2" brickmould, add 6-3/8" to frame width and 3-1/4" to frame height.

Size Tables

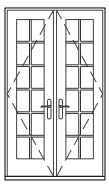
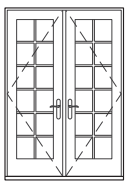
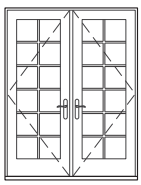
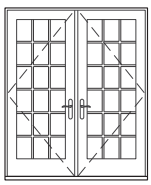
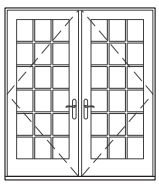
7' 2" Single Doors and Sidelight

	(476) (457)	(664) (645)	(781) (762)	(870) (851)	(933) (914)	(981) (962)
Opening	1' 6 3/4"	2' 2 1/8"	2' 6 3/4"	2' 10 1/4"	3' 0 3/4"	3' 2 5/8"
Frame	1' 6"	2' 1 3/8"	2' 6"	2' 9 1/2"	3' 0"	3' 1 7/8"
(2 197) (2 184) 7' 2 1/2" / 7' 2"						
	SIDELIGHT 1886	LEFT 2686	LEFT 3086	LEFT 3486	LEFT 3686	LEFT 3886

7' 2" Double-Swing Doors Fixed-Active

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(2 197) (2 184) 7' 2 1/2" / 7' 2"					
	FIXED-ACTIVE 5086	FIXED-ACTIVE 6086	FIXED-ACTIVE 6786	FIXED-ACTIVE 7286	FIXED-ACTIVE 7586

7' 2" Double Doors Active-Passive

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(2 197) (2 184) 7' 2 1/2" / 7' 2"					
	ACTIVE-PASSIVE 5086	ACTIVE-PASSIVE 6086	ACTIVE-PASSIVE 6786	ACTIVE-PASSIVE 7286	ACTIVE-PASSIVE 7586

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors and sidelights are glazed with tempered glass.

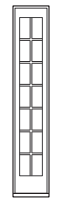
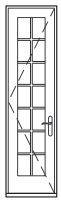
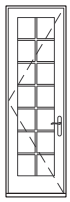
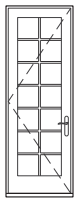
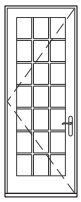
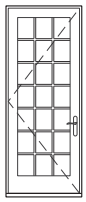
Left-hand single doors shown, right-hand and fixed also available.

For Wood Units Only:

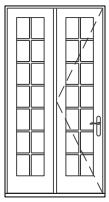
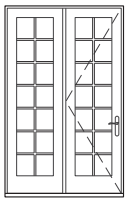
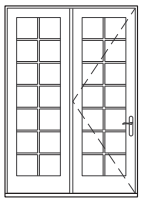
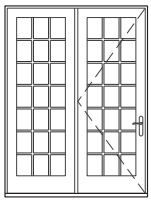
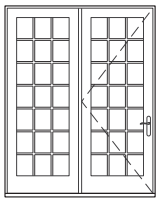
To determine masonry dimensions when using Pella 1-7/8" brickmould, add 1-5/8" to frame height and 3-1/8" to frame width. When using Pella 3-1/2" brickmould, add 6-3/8" to frame width and 3-1/4" to frame height.

Size Tables

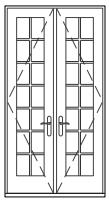
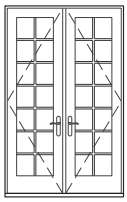
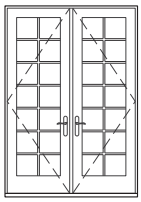
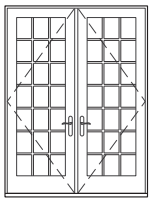
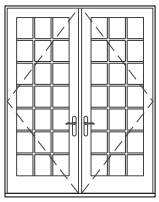
8' 0" Single Doors and Sidelight

	(476) (457)	(664) (645)	(781) (762)	(870) (851)	(933) (914)	(981) (962)
Opening	1' 6 3/4"	2' 2 1/8"	2' 6 3/4"	2' 10 1/4"	3' 0 3/4"	3' 2 5/8"
Frame	1' 6"	2' 1 3/8"	2' 6"	2' 9 1/2"	3' 0"	3' 1 7/8"
(2 438) (2 426) 8' 0" 7' 11 1/2"						
	SIDELIGHT 1896	LEFT 2696	LEFT 3096	LEFT 3496	LEFT 3696	LEFT 3896

8' 0" Double-Swing Doors Fixed-Active

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(2 438) (2 426) 8' 0" 7' 11 1/2"					
	FIXED-ACTIVE 5096	FIXED-ACTIVE 6096	FIXED-ACTIVE 6796	FIXED-ACTIVE 7296	FIXED-ACTIVE 7596

8' 0" Double Doors Active-Passive

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(2 438) (2 426) 8' 0" 7' 11 1/2"					
	ACTIVE-PASSIVE 5096	ACTIVE-PASSIVE 6096	ACTIVE-PASSIVE 6796	ACTIVE-PASSIVE 7296	ACTIVE-PASSIVE 7596

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors and sidelights are glazed with tempered glass.

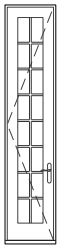
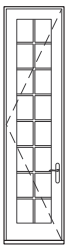
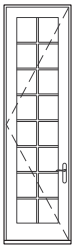
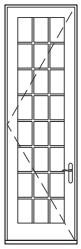
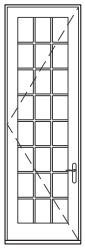
Left-hand single doors shown, right-hand and fixed also available.

For Wood Units Only:

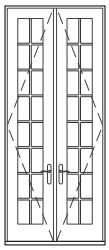
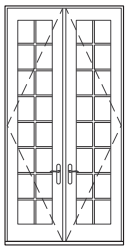
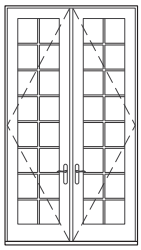
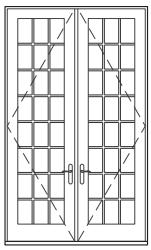
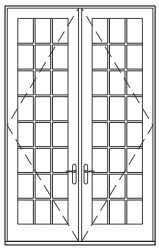
To determine masonry dimensions when using Pella 1-7/8" brickmould, add 1-5/8" to frame height and 3-1/8" to frame width. When using Pella 3-1/2" brickmould, add 6-3/8" to frame width and 3-1/4" to frame height.

Size Tables

10' 0" Single Doors and Sidelight

	(664) (645)	(781) (762)	(870) (851)	(933) (914)	(981) (962)
Opening	2' 2 1/8"	2' 6 3/4"	2' 10 1/4"	3' 0 3/4"	3' 2 5/8"
Frame	2' 1 3/8"	2' 6"	2' 9 1/2"	3' 0"	3' 1 7/8"
(3 048) (3 035) 10' 0" 9' 11 1/2"	 LEFT 26120	 LEFT 30120	 LEFT 34120	 LEFT 36120	 LEFT 38120

10' 0" Double Doors Active-Passive

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)	(1 924) (1 905)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"	6' 3 3/4"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"	6' 3"
(3 048) (3 035) 10' 0" 9' 11 1/2"	 ACTIVE-PASSIVE 50120	 ACTIVE-PASSIVE 60120	 ACTIVE-PASSIVE 67120	 ACTIVE-PASSIVE 72120	 ACTIVE-PASSIVE 75120

Not to scale.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

All doors and sidelights are glazed with tempered glass.

Left-hand single doors shown, right-hand and fixed also available.

For Wood Units Only:

To determine masonry dimensions when using Pella 1-7/8" brickmould, add 1-5/8" to frame height and 3-1/8" to frame width. When using Pella 3-1/2" brickmould, add 6-3/8" to frame width and 3-1/4" to frame height.

Size Tables

Wide Stile Transoms for Single Doors

	(664) (645)	(781) (762)	(870) (851)	(933) (914)	(981) (962)
Opening	2' 2 1/8"	2' 6 3/4"	2' 10 1/4"	3' 0 3/4"	3' 2 5/8"
Frame	2' 1 3/8"	2' 6"	2' 9 1/2"	3' 0"	3' 1 7/8"
(375) (356) 1' 2 3/4" – 1' 2"	2614	3014	3414	3614	3814
(451) (432) 1' 5 3/4" – 1' 5"	2617	3017	3417	3617	3817
(654) (635) 2' 1 3/4" – 2' 1"	2625	3025	3425	3625	3825

Wide Stile Transoms for Double-Swing Doors

	(1 289) (1 270)	(1 524) (1 505)	(1 702) (1 682)	(1 829) (1 810)
Opening	4' 2 3/4"	5' 0"	5' 7"	6' 0"
Frame	4' 2"	4' 11 1/4"	5' 6 1/4"	5' 11 1/4"
(375) (356) 1' 2 3/4" – 1' 2"	5014	6014 T	6714 T	7214 T
(451) (432) 1' 5 3/4" – 1' 5"	5017	6017	6717	7217 T
(654) (635) 2' 1 3/4" – 2' 1"	5025	6025	6725	7225

Standard Stile Transoms for Single Doors

(375) (356) 1' 2 3/4" – 1' 2"	2614	3014	3414	3614	3814
(451) (432) 1' 5 3/4" – 1' 5"	2617	3017	3417	3617	3817
(654) (635) 2' 1 3/4" – 2' 1"	2625	3025	3425	3625	3825

Standard Stile Transoms for Double Doors

(375) (356) 1' 2 3/4" – 1' 2"	5014	6014 T	6714 T	7214 T
(451) (432) 1' 5 3/4" – 1' 5"	5017	6017	6717 T	7217 T
(654) (635) 2' 1 3/4" – 2' 1"	5025	6025	6725	7225

Fixed Frame Direct Sets for Single Doors GBG Only

(375) (356) 1' 2 3/4" – 1' 2"	2614	3014	3414	3614	3814
(451) (432) 1' 5 3/4" – 1' 5"	2617	3017	3417	3617	3817
(654) (635) 2' 1 3/4" – 2' 1"	2625	3025	3425	3625	3825

Fixed Frame Direct Sets for Double Doors GBG Only

(375) (356) 1' 2 3/4" – 1' 2"	5014	6014	6714	7214 T
(451) (432) 1' 5 3/4" – 1' 5"	5017	6017	6717	7217
(654) (635) 2' 1 3/4" – 2' 1"	5025	6025	6725	7225

Not to scale.

T Tempered glass is standard.

Traditional grille patterns shown. Refer to Clad/Wood Overview section for additional patterns and profiles.

For Wood Units Only:

To determine masonry dimensions when using Pella 1-7/8" brickmould, add 1-5/8" to frame height and 3-1/8" to frame width. When using Pella 3-1/2" brickmould, add 6-3/8" to frame width and 3-1/4" to frame height.

Special Sizes and Dimensions

Special Size Frame Dimensions [1]

Door Type	Standard Doors				Products with Impact-Resistant Glass [2]			
	Frame Width		Frame Height		Frame Width		Frame Height	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Transoms	25-3/8" (645)	75" (1 905)	14" (356)	25" (635)	25-3/8" (645)	75" (1 905)	14" (356)	25" (635)
Sidelight (Fixed)	18" (457)	65" (457)	36" (914)	119-1/2" (3 035)	12" (305)	42" (1 067)	48" (1 219)	96" (2 438)
Single Doors	18" (457)	48" (1 219)	36" (914)	119-1/2" (3 035)	24" (610)	37-7/8" (962)	76-3/8" (1 940)	119-1/2" (3 035)
Double Doors (AP-PA)	36" (914)	96" (2 438)	36" (914)	119-1/2" (3 035)	48" (1 219)	75" (1 905)	73-3/8" (1 864)	119-1/2" (3 035)
Double Doors (AF-FA)	50" (1 270)	75" (1 905)	79-1/2" (2 019)	119-1/2" (3 035)	48" (1 219)	75" (1 905)	73-3/8" (1 864)	119-1/2" (3 035)

Hinged Door Screen Availability [2]

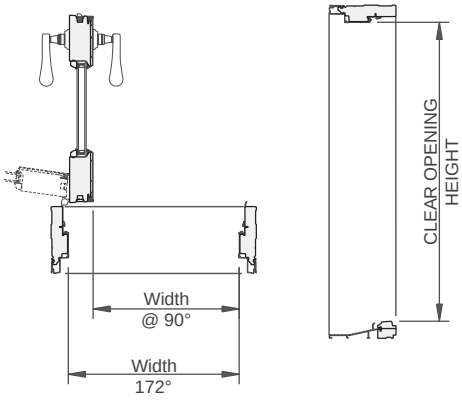
Door Type	Frame Width		Frame Height	
	Minimum	Maximum	Minimum	Maximum
Single Door	24" (610)	42" (1 067)	71-1/4" (1 810)	98-1/8" (2 492)
Double Door	48" (1 219)	84" (2 134)	71-1/4" (1 810)	98-1/8" (2 492)

Miscellaneous Formulas

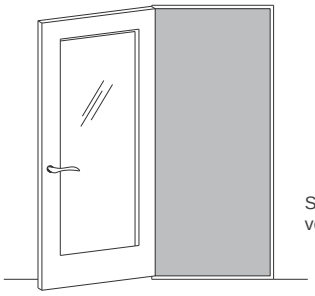
	Visible Glass		Actual Glass	
	Width	Height	Width	Height
Transoms — Fixed Frame Direct Set	FW - 3-1/4"	FH - 3-1/4"	FW - 2"	FH - 2"
Transoms — Fixed Casement	FW - 5-3/4"	FH - 5-3/4"	FW - 4-3/8"	FH - 4-3/8"
Transoms — Wide Stile Casement	FW - 11-5/8"		FW - 10-1/4"	
Sidelights	FW - 6-5/8"	FH - 15-3/4"	FW - 5-5/8"	FH - 4-3/8"
Single Doors	FW - 11-5/8"		FW - 10-5/8"	
Double Doors	FW - 11-5/8"		(FW ÷ 2) - 10-1/4"	

	Clad and Wood	Width	Height
Clear Opening (@ 90°)	Single Door	FW - 5-5/16"	FH - 3-1/16"
	Double Doors (Active/Single Panel)	(FW ÷ 2) - 5"	
	Double Doors (Both Panels)	FW - 7-1/2"	
Clear Opening (@ 172°)	Single Door	FW - 3-3/16"	FH - 3-1/16"
	Double Doors (Active/Single Panel)	(FW ÷ 2) - 2-13/16"	
	Double Doors (Both Panels)	FW - 3"	

Clear Opening Schematic



CLEAR OPENING WIDTH



Shaded portion shows vent area of door.

FW = Frame Width, FH = Frame Height
(1) Available within size range shown.
(2) Rectangular Units Only

Keep frame dimensions to the nearest 1/8" increment.
To convert areas to square meters (m^2), multiply square feet by 0.0929.

Design Data

In-Swing French Design Data

	Unit	Single and Double Doors	Clear Opening (Inches) [1]				Vent Area (Standard Sill)	Vent Area (ADA Sill)	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered		Performance Class & Grade [2]
			Width (Inches) (172°)	Width (Inches) (90°)	Standard Sill Unit Height	ADA Sill Unit Height				Dual-Pane Glazing	Triple-Pane Glazing	
6' 7-1/2" DOORS	2680	F	—	—	—	—	—	—	6.1	3	3	LC55
	3080	F	—	—	—	—	—	—	8.1	3	3	LC55
	3480	F	—	—	—	—	—	—	9.7	3	3	LC55
	3680	F	—	—	—	—	—	—	10.8	3	3	LC55
	3880	F	—	—	—	—	—	—	11.6	3	3	LC55
	2680	L / R	22-5/16	20-1/16	76-7/16	77-1/2	11.8	12.0	6.1	3	3	LC55
	3080	L / R	26-15/16	24-11/16	76-7/16	77-1/2	14.3	14.5	8.1	3	3	LC55
	3480	L / R	30-7/16	28-3/16	76-7/16	77-1/2	16.2	16.4	9.7	3	3	LC55
	3680	L / R	32-15/16	30-11/16	76-7/16	77-1/2	17.5	17.7	10.8	3	3	LC55
	3880	L / R	34-13/16	32-9/16	76-7/16	77-1/2	18.5	18.7	11.6	3	3	LC55
	5080	FA/AF	22-5/16	20-1/16	76-7/16	77-1/2	11.8	12.0	12.2	3	3	LC55
	6080	FA/AF	26-15/16	24-11/16	76-7/16	77-1/2	14.3	14.5	16.3	3	3	LC55
	6780	FA/AF	30-7/16	28-3/16	76-7/16	77-1/2	16.2	16.4	19.4	3	3	LC55
	7280	FA/AF	32-15/16	30-11/16	76-7/16	77-1/2	17.5	17.7	21.6	3	3	LC55
	7580	FA/AF	34-13/16	32-9/16	76-7/16	77-1/2	18.5	18.7	23.2	3	3	LC55
	5080	PA / AP	47/ 22-1/4	42-1/2/ 20	76-7/16	77-1/2	25.0	25.3	12.2	3	3	LC55
	6080	PA / AP	56-1/4/ 26-7/8	51-3/4 / 24-5/8	76-7/16	77-1/2	29.9	30.3	16.3	3	3	LC55
	6780	PA / AP	63-1/4/ 30-7/8	58-3/4/ 28-5/8	76-7/16	77-1/2	33.6	34.0	19.4	3	3	LC55
	7280	PA / AP	68-1/4/ 32-7/8	63-3/4 / 30-5/8	76-7/16	77-1/2	36.2	36.7	21.6	3	3	LC55
	7580	PA / AP	72 / 34-3/4	67-1/2 / 32-1/2	76-7/16	77-1/2	38.2	38.8	23.2	3	3	LC55

(—) = Not Applicable
(1) All dimensions are approximate to the nearest 1/16". The second value, where shown, provides the clear opening for the active panel only.
(2) Maximum performance when glazed with the appropriate glass thickness. All doors and sidelights are Tempered glass.
To convert areas to square meters (m^2), multiply square feet by 0.0929.

Design Data

In-Swing French Design Data

	Unit	Single and Double Doors	Clear Opening (Inches) [1]				Vent Area (Standard Sill)	Vent Area (ADA Sill)	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered		Performance Class & Grade [2]
			Width (Inches) (172°)	Width (Inches) (90°)	Standard Sill Unit Height	ADA Sill Unit Height				Dual-Pane Glazing	Triple-Pane Glazing	
6' 10" DOORS	2682	F	—	—	—	—	—	—	6.3	3	3	LC55
	3082	F	—	—	—	—	—	—	8.4	3	3	LC55
	3482	F	—	—	—	—	—	—	9.8	3	3	LC55
	3682	F	—	—	—	—	—	—	11.1	3	3	LC55
	3882	F	—	—	—	—	—	—	12.0	3	3	LC55
	2682	L / R	22-5/16	20-1/16	78-7/16	79-1/2	12.2	12.3	6.3	3	3	LC55
	3082	L / R	26-15/16	24-11/16	78-7/16	79-1/2	14.7	14.9	8.4	3	3	LC55
	3482	L / R	30-7/16	28-3/16	78-7/16	79-1/2	16.6	16.8	9.8	3	3	LC55
	3682	L / R	32-15/16	30-11/16	78-7/16	79-1/2	17.9	18.2	11.1	3	3	LC55
	3882	L / R	34-13/16	32-9/16	78-7/16	79-1/2	19.0	19.2	12.0	3	3	LC55
	5082	FA / AF	22-5/16	20-1/16	78-7/16	79-1/2	12.2	12.3	12.6	3	3	LC55
	6082	FA / AF	26-15/16	24-11/16	78-7/16	79-1/2	14.7	14.9	16.8	3	3	LC55
	6782	FA / AF	30-7/16	28-3/16	78-7/16	79-1/2	16.6	16.8	19.6	3	3	LC55
	7282	FA / AF	32-15/16	30-11/16	78-7/16	79-1/2	17.9	18.2	22.3	3	3	LC55
	7582	FA / AF	34-13/16	32-9/16	78-7/16	79-1/2	19.0	19.2	24.0	3	3	LC55
	5082	PA / AP	47/ 22-1/4	42-1/2/ 20	78-7/16	79-1/2	25.6	26.0	12.6	3	3	LC55
	6082	PA / AP	56-1/4/ 26-7/8	51-3/4 / 24-5/8	78-7/16	79-1/2	30.6	31.1	16.8	3	3	LC55
	6782	PA / AP	63-1/4/ 30-7/8	58-3/4/ 28-5/8	78-7/16	79-1/2	34.5	34.9	19.6	3	3	LC55
	7282	PA / AP	68-1/4/ 32-7/8	63-3/4 / 30-5/8	78-7/16	79-1/2	37.2	37.7	22.3	3	3	LC55
	7582	PA / AP	72 / 34-3/4	67-1/2 / 32-1/2	78-7/16	79-1/2	39.2	39.8	24.0	3	3	LC55
7' 2" DOORS	2686	F	—	—	—	—	—	—	6.7	3	3	LC55
	3086	F	—	—	—	—	—	—	9.0	3	3	LC55
	3486	F	—	—	—	—	—	—	10.7	3	3	LC55
	3686	F	—	—	—	—	—	—	11.9	3	3	LC55
	3886	F	—	—	—	—	—	—	12.8	3	3	LC55
	2686	L / R	22-5/16	20-1/16	82-15/16	84	12.9	13.0	6.7	3	3	LC55
	3086	L / R	26-15/16	24-11/16	82-15/16	84	15.5	15.7	9.0	3	3	LC55
	3486	L / R	30-7/16	28-3/16	82-15/16	84	17.5	17.8	10.7	3	3	LC55
	3686	L / R	32-15/16	30-11/16	82-15/16	84	19.0	19.2	11.9	3	3	LC55
	3886	L / R	34-13/16	32-9/16	82-15/16	84	20.1	20.3	12.8	3	3	LC55
	5086	FA / AF	22-5/16	20-1/16	82-15/16	84	12.9	13.0	13.4	3	3	LC55
	6086	FA / AF	26-15/16	24-11/16	82-15/16	84	15.5	15.7	17.9	3	3	LC55
	6786	FA / AF	30-7/16	28-3/16	82-15/16	84	17.5	17.8	21.3	3	3	LC55
	7286	FA / AF	32-15/16	30-11/16	82-15/16	84	19.0	19.2	23.8	3	3	LC55
	7586	FA / AF	34-13/16	32-9/16	82-15/16	84	20.1	20.3	25.6	3	3	LC55
	5086	PA / AP	47/ 22-1/4	42-1/2/ 20	82-15/16	84	27.1	27.4	13.4	3	3	LC55
	6086	PA / AP	56-1/4/ 26-7/8	51-3/4 / 24-5/8	82-15/16	84	32.4	32.8	17.9	3	3	LC55
	6786	PA / AP	63-1/4/ 30-7/8	58-3/4/ 28-5/8	82-15/16	84	36.4	36.9	21.3	3	3	LC55
	7286	PA / AP	68-1/4/ 32-7/8	63-3/4 / 30-5/8	82-15/16	84	39.3	39.8	23.8	3	3	LC55
	7586	PA / AP	72 / 34-3/4	67-1/2 / 32-1/2	82-15/16	84	41.5	42.0	25.6	3		LC55

(—) = Not Applicable

(1) All dimensions are approximate to the nearest 1/16". The second value, where shown, provides the clear opening for the active panel only.

(2) Maximum performance when glazed with the appropriate glass thickness. All doors and sidelights are Tempered glass.

To convert areas to square meters (m^2), multiply square feet by 0.0929.

Design Data

In-Swing French Design Data

	Unit	Single and Double Doors	Clear Opening (Inches) [1]				Vent Area (Standard Sill)	Vent Area (ADA Sill)	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered		Performance Class & Grade [2]
			Width (Inches) (172°)	Width (Inches) (90°)	Standard Sill Unit Height	ADA Sill Unit Height				Dual-Pane Glazing	Triple-Pane Glazing	
8' 0" DOORS	2696	F	—	—	—	—	—	—	7.6	3	3	LC55
	3096	F	—	—	—	—	—	—	10.2	3	3	LC55
	3496	F	—	—	—	—	—	—	12.1	3	3	LC55
	3696	F	—	—	—	—	—	—	13.5	3	3	LC55
	3896	F	—	—	—	—	—	—	14.5	3	3	LC55
	2696	L/R	22-5/16	20-1/16	92-7/16	93-1/2	14.3	14.5	7.6	3	3	LC55
	3096	L/R	26-15/16	24-11/16	92-7/16	93-1/2	17.3	17.5	10.2	3	3	LC55
	3496	L/R	30-7/16	28-3/16	92-7/16	93-1/2	19.5	19.8	12.1	3	3	LC55
	3696	L/R	32-15/16	30-11/16	92-7/16	93-1/2	21.1	21.4	13.5	3	3	LC55
	3896	L/R	34-13/16	32-9/16	92-7/16	93-1/2	22.4	22.6	14.5	3	3	LC55
	5096	FA / AF	22-5/16	20-1/16	92-7/16	93-1/2	14.3	14.5	15.2	3	3	LC55
	6096	FA / AF	26-15/16	24-11/16	92-7/16	93-1/2	17.3	17.5	20.4	3	3	LC55
	6796	FA / AF	30-7/16	28-3/16	92-7/16	93-1/2	19.5	19.8	24.2	3	3	LC55
	7296	FA / AF	32-15/16	30-11/16	92-7/16	93-1/2	21.1	21.4	27.0	3	3	LC55
	7596	FA / AF	34-13/16	32-9/16	92-7/16	93-1/2	22.4	22.6	29.1	3	3	LC55
	5096	PA / AP	47/ 22-1/4	42-1/2/ 20	92-7/16	93-1/2	30.2	30.5	15.2	3	3	LC55
	6096	PA / AP	56-1/4/ 26-7/8	51-3/4 / 24-5/8	92-7/16	93-1/2	36.1	36.5	20.4	3	3	LC55
	6796	PA / AP	63-1/4/ 30-7/8	58-3/4/ 28-5/8	92-7/16	93-1/2	40.6	41.1	24.2	3	3	LC55
	7296	PA / AP	68-1/4/ 32-7/8	63-3/4 / 30-5/8	92-7/16	93-1/2	43.8	44.3	27.0	3	3	LC55
	7596	PA / AP	72 / 34-3/4	67-1/2 / 32-1/2	92-7/16	93-1/2	46.2	46.8	29.1	3	3	LC55
10' 0" DOORS	26120	F	—	—	—	—	—	—	9.9	5	—	LC55
	30120	F	—	—	—	—	—	—	13.2	5	—	LC55
	34120	F	—	—	—	—	—	—	15.8	5	—	LC55
	36120	F	—	—	—	—	—	—	17.6	5	—	LC55
	38120	F	—	—	—	—	—	—	18.9	5	—	LC55
	26120	L/R	22-5/16	20-1/16	116-7/16	117-1/2	18.0	18.2	9.9	5	—	LC40
	30120	L/R	26-15/16	24-11/16	116-7/16	117-1/2	21.8	22.0	13.2	5	—	LC40
	34120	L/R	30-7/16	28-3/16	116-7/16	117-1/2	24.6	24.8	15.8	5	—	LC40
	36120	L/R	32-15/16	30-11/16	116-7/16	117-1/2	26.6	26.9	17.6	5	—	LC40
	38120	L/R	34-13/16	32-9/16	116-7/16	117-1/2	28.2	28.4	18.9	5	—	LC40
	50120	PA/AP	47/ 22-1/4	42-1/2/ 20	116-7/16	117-1/2	38.0	38.4	19.8	5	—	LC40
	60120	PA/AP	56-1/4/ 26-7/8	51-3/4 / 24-5/8	116-7/16	117-1/2	45.5	45.9	26.5	5	—	LC40
	67120	PA/AP	63-1/4/ 30-7/8	58-3/4/ 28-5/8	116-7/16	117-1/2	51.1	51.6	31.5	5	—	LC40
	72120	PA/AP	68-1/4/ 32-7/8	63-3/4 / 30-5/8	116-7/16	117-1/2	55.2	55.7	35.1	5	—	LC40
	75120	PA/AP	72 / 34-3/4	67-1/2 / 32-1/2	116-7/16	117-1/2	58.2	58.8	37.8	5	—	LC40

Sidelights

Unit	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered		Performance Class & Grade
		Dual-Pane Glazing	Triple-Pane Glazing	
1880	5	3	3	LC55
1881	5.1	3	3	LC55
1882	5.2	3	3	LC55
1886	5.5	3	3	LC55
1896	6.3	3	3	LC55

(—) = Not Applicable

(1) All dimensions are approximate to the nearest 1/16". The second value, where shown, provides the clear opening for the active panel only.

(2) Maximum performance when glazed with the appropriate glass thickness. All doors and sidelights are Tempered glass.

To convert areas to square meters (m²), multiply square feet by 0.0929.

Design Data

Transoms — Fixed Frame Direct Set

Unit	Visible Glass Ft²	Standard Glass Thickness (mm)			Performance Class & Grade[2]
		Dual-Pane Glazing		Triple-Pane Glazing	
		Annealed	Tempered	Annealed or Tempered	
2614	1.7	3	3	3	CW50
2617	2.1	3	3	3	CW50
2625	3.3	3	3	3	CW50
3014	2.0	3	3	3	CW50
3017	2.6	3	3	3	CW50
3025	4.0	3	3	3	CW50
3414	2.3	3	3	3	CW50
3417	2.9	3	3	3	CW50
3425	4.6	3	3	3	CW50
3614	2.4	3	3	3	CW50
3617	3.1	3	3	3	CW50
3625	4.9	3	3	3	CW50
3814	2.6	3	3	3	CW50
3817	3.3	3	3	3	CW50
3825	5.2	3	3	3	CW50
5014	3.5	3	3	3	CW50
5017	4.5	3	3	3	CW50
5025	7.1	3	3	3	CW50
6014	4.2	3	3	3	CW50
6017	5.3	3	3	3	CW50
6025	8.5	3	3	3	CW50
6714	4.7	3	3	3	CW40
6717	6.0	3	3	3	CW40
6725	9.5	3	3	3	CW40
7214T	5.1	—	3	3	CW40
7217	6.5	3	3	3	CW40
7225	10.3	3	3	3	CW40
7514T	5.4	—	3	3	CW40
7517T	6.8	—	3	3	CW40
7525	10.8	3	3	3	CW40

Transoms — Standard Stile

Unit	Visible Glass Ft²	Standard Glass Thickness (mm)			Performance Class & Grade[2]
		Dual-Pane Glazing		Triple-Pane Glazing	
		Annealed	Tempered	Annealed or Tempered	
2614	1.1	2.5	3	3	CW50
2617	1.5	2.5	3	3	CW50
2625	2.6	2.5	3	3	CW50
3014	1.4	2.5	3	3	CW50
3017	1.9	2.5	3	3	CW50
3025	3.2	2.5	3	3	CW50
3414	1.6	2.5	3	3	CW50
3417	2.2	2.5	3	3	CW50
3425	3.7	2.5	3	3	CW50
3614	1.7	2.5	3	3	CW50
3617	2.4	2.5	3	3	CW50
3625	4.0	2.5	3	3	CW50
3814	1.8	2.5	3	3	CW50
3817	2.5	2.5	3	3	CW50
3825	4.3	2.5	3	3	CW50
5014	2.5	2.5	3	3	CW50
5017	3.5	2.5	3	3	CW50
5025	5.9	2.5	3	3	CW50
6014T	3.1	—	3	3	CW50
6017	4.2	2.5	3	3	CW50
6025	7.2	2.5	3	3	CW45/CW50
6714T	3.5	—	3	3	R15[1]
6717	4.7	2.5	3	3	R15[1]
6725	8.1	2.5	3	3	R15[1]
7214T	3.8	—	3	3	R15[1]
7217T	5.1	—	3	3	R15[1]
7225	8.8	2.5	3	3	R15[1]
7514T	4.0	—	3	3	R15[1]
7517T	5.4	—	3	3	R15[1]
7525	9.3	2.5	3	3	R15[1]

Transoms — Wide Stile

Unit	Visible Glass Ft²	Standard Glass Thickness (mm)			Performance Class & Grade[2]
		Dual-Pane Glazing		Triple-Pane Glazing	
		Annealed	Tempered	Annealed or Tempered	
2614	0.8	2.5	3	3	R15[1]
2617	1.1	2.5	3	3	R15[1]
2625	1.8	2.5	3	3	R15[1]
3014	1.1	2.5	3	3	R15[1]
3017	1.4	2.5	3	3	R15[1]
3025	2.5	2.5	3	3	R15[1]
3414	1.3	2.5	3	3	R15[1]
3417	1.7	2.5	3	3	R15[1]
3425	2.9	2.5	3	3	R15[1]
3614	1.4	2.5	3	3	R15[1]
3617	1.9	2.5	3	3	R15[1]
3625	3.3	2.5	3	3	R15[1]
3814	1.5	2.5	3	3	R15[1]
3817	2.1	2.5	3	3	R15[1]
3825	3.5	2.5	3	3	R15[1]
5014	2.2	2.5	3	3	R15[1]
5017	3.0	2.5	3	3	R15[1]
5025	5.1	2.5	3	3	R15[1]
6014T	2.7	—	3	3	R15[1]
6017	3.7	2.5	3	3	R15[1]
6025	6.4	2.5	3	3	R15[1]
6714T	3.1	—	3	3	R15[1]
6717T	4.3	—	3	3	R15[1]
6725	7.3	2.5	3	3	R15[1]
7214T	3.4	—	3	3	R15[1]
7217T	4.7	—	3	3	R15[1]
7225	8.0	2.5	3	3	R15[1]
7514T	3.6	—	3	3	R15[1]
7517T	5.0	—	3	3	R15[1]
7525	8.5	2.5	3	3	R15[1]

(—) = Not Applicable

T = Tempered required due to aspect ratio.

(1) Units are not AAMA/WDMA performance certified. Units are engineered to meet the performance class and grade shown.

(2) Maximum performance when glazed with the appropriate glass thickness.

Detailed Product Descriptions - Aluminum-Clad Exterior

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] [douglas fir], edge-banded and veneered. Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are clad with aluminum at the head and jambs.
- Components are assembled with screws, staples and concealed corner locks.
- Frame depth between 5-7/8" (149mm) to 8-5/8" (219mm), for wall depth between 4-9/16" (116mm) to 7-5/16" (186mm).
- Optional factory-applied EnduraClad® exterior trim.
- Solid extruded aluminum sill with [Mill] [Black] finish. [Mahogany threshold for mahogany door] [[oak] [composite black] threshold for [pine] [douglas fir] door].

– or –

- Sill is 1/2" low profile. Material and finish are extruded aluminum with [mill] [Black] finish.

Door panels

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are veneered with [clear pine] [mahogany] [douglas fir]. Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are clad with extruded aluminum.
- Panel hinge stiles and rails are three-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Panel lock stiles are constructed with LVL core with finger-jointed edge bands on both sides and veneered on both faces.
- Corners are urethane-silicone hybrid-sealed and secured with metal fasteners.
- Panel thickness is 2-1/16" (52mm).
- Panel exterior profile is [ogee] [putty glaze], interior profile is ogee.

Weatherstripping

- Dual-durometer extruded polymer along perimeter of door frame. On bottom panels, dual-durometer extruded polymer interior air seal and rigid polymer exterior facing bristle-strip.

Glazing System

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Silicone-glazed, 13/16" double-pane, dual-seal, insulating glass
  - [Clear] [Obscure] [Reflective Bronze] with air.
  - [Obscure Low-E [with argon]] [[Advanced] [AdvancedComfort] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] Low-E [with argon]].
  - [Bronze] [Gray] [Green] Advanced Low-E [with argon].

- or –

- Silicone-glazed, 13/16" double-pane, dual-seal, laminated, insulating glass
  - Clear with air.
  - [Advanced] [SunDefense™] Low-E with argon.
  - [Bronze] [Gray] [Green] Advanced Low-E with argon.

– or –

- Silicone-glazed, 1" triple-pane, dual-seal, insulating glass
  - [Obscure Low-E [with argon]] [[Advanced] [SunDefense™] [NaturalSun] Low-E [with argon]].

– or –

- Silicone-glazed, 7/8" double-pane, dual-seal, impact-resistant, laminated, insulating glass
  - Clear with air.
  - [Bronze] [Gray] [Green] with air.
  - [Advanced Low-E] [SunDefense™ Low-E] with argon.

Exterior

- Aluminum-clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
  - Color is [Standard] [feature] [custom][1].

– or –

- Aluminum-clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
  - Color is [Standard] [feature] [custom][1].

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain][1].

Hardware

Hinges

- Hinges are adjustable to help with installation.
- Doors under 7' 0" frame height will have three (3) hinges per panel.
- Doors over 7' 0" frame height up to and including 8' 0" frame height will have four (4) hinges per panel.
- Doors over 8' 3" frame height up to and including 9' 0" frame height will have five (5) hinges per panel.
- Doors over 9' 0" frame height will have six (6) hinges per panel.

Locks

- Mortised and keyed multi-point locking system, center deadbolt and shoot-bolts at head and sill will engage simultaneously.
- Doors 8' 0" frame height and below will have one (1) strike at the head, one (1) strike at the sill and one (1) center deadbolt.
- Doors over 8' 0" frame height up to and including 10' 0" frame height will have one (1) strike at the head, one (1) strike at the sill and three (3) locking points at the stile.
- Solid brass handles and keylock with K-keyway cylinder.
- Key cylinder finish is [Brass] [Stainless Steel] [Matte Black].

Finish

- Hardware finish is (Handle, Hinges and Strike) [baked enamel [White] [Champagne] [Brown] [Matte Black]] [PVD High Performance finish [Satin Brass] [Satin Nickel]] [Oil-Rubbed Bronze] [Distressed Bronze] [Distressed Nickel] [Polished Nickel] [Polished Chrome].

Optional Products

Grilles

- Integral Light Technology® grilles
  - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] ogee profile that are solid [Pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain][1].
  - Exterior grilles are [5/8" putty glaze profile] [7/8" [putty glaze] [ogee] profile] [1-1/4" [putty glaze] [ogee] profile] [2" ogee profile] that are extruded aluminum, finished to match door cladding.
  - Patterns are [Traditional] [Prairie] [Top Row] [Cross] [New England] [Victorian].
  - Insulating glass contains non-glare spacer between the panes of glass.
  - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with the non-glare spacer.

– or –

- Grilles-Between-the-Glass[2]
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
  - Patterns are [Traditional] [Prairie] [Cross] [Top Row]
  - Interior color is [White] [Tan[3]] [Brown[3]] [Putty[3]] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
  - Exterior color[4] is [Standard][1].

Screens

- Finish matches exterior cladding.
- Hinged Insect Screens:
  - Compliance: ASTM D 3656 and SMA 1201.
  - Screen Cloth: InView™ Vinyl-coated fiberglass, 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201.
  - Extruded-aluminum frame, hinged to door frame.
  - Complete with necessary hardware.
  - Hardware Color: [White] [Tan] [Brown] [Matte Black].

– or –

- Exterior Sliding Insect Screens:
  - Compliance: ASTM D 3656 and SMA 1201.
  - Screen Cloth: InView™ Vinyl-coated fiberglass, 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201.
  - Extruded-aluminum frame, top hung on 2 adjustable nylon rollers.
  - Complete with necessary hardware.
  - Hardware Color: [White] [Tan] [Brown] [Matte Black].

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

(2) Available in clear or Low-E insulating glass with argon, and obscure insulated glass.

(3) Tan, Brown or Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

(4) Appearance of exterior grille color will vary depending on Low-E coating on glass.

Detailed Product Descriptions - Wood Exterior

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior surfaces are [clear pine: [factory primed] [ready to stain]] [mahogany: [factory primed] [ready to stain]] edge-banded and veneered.
- Exterior surfaces are [pine: factory primed] [mahogany: [factory primed] [ready to stain]].
- Any exterior or curved member may have visible finger-jointed surfaces.
- Frame depth between 5-7/8" (149 mm) to 8-9/16" (217 mm), for a wall depth between 4-9/16" (116 mm) to 7.25" (184 mm).
- Solid extruded aluminum sill with [Mill] [Black] finish. [Mahogany threshold for mahogany door] [[oak] [composite black] threshold for [pine] [douglas fir] door].

– or –

- Sill is 1/2" low profile. Material and finish are extruded aluminum with [mill] [Black] finish.

Door panels

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are veneered with [clear pine] [mahogany]. Any curved member may have visible finger-jointed surfaces.
- Exterior surfaces are [wood composite: factory primed] [mahogany: [factory primed] [ready to stain]].
- Panel stiles and rails are five-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Corners are urethane-silicone hybrid-sealed and secured with metal fasteners.
- Panel thickness is 2-1/16" (52mm).

Weatherstripping

- Dual-durometer extruded polymer along perimeter of door frame. On bottom panels, dual-durometer extruded polymer interior air seal and rigid polymer exterior facing bristle-strip.

Glazing System

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Silicone-glazed, 13/16" double-pane, dual-seal, insulating glass
  - [Clear] [Obscure] [Reflective Bronze] with air.
  - [Obscure Low-E [with argon]] [Advanced] [AdvancedComfort] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] Low-E [with argon]].
  - [Bronze] [Gray] [Green] Advanced Low-E [with argon].

- or –

- Silicone-glazed, 13/16" double-pane, dual-seal, laminated, insulating glass
  - Clear with air.
  - [Advanced] [SunDefense™] Low-E with argon.
  - [Bronze] [Gray] [Green] Advanced Low-E with argon.

– or –

- Silicone-glazed, 1" triple-pane, dual-seal, insulating glass
  - [Obscure Low-E with [argon][air]] [Advanced] [SunDefense™] [NaturalSun] Low-E [with argon].

Exterior

- [Wood composite: factory primed with one coat acrylic latex] [mahogany [factory primed with one coat acrylic latex] [Unfinished, ready for site finishing]].

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain][3]].

Hardware

Hinges

- Hinges are adjustable to help with installation.
- Doors 6' 10" to 7' 0" frame height will have three (3) hinges per panel.
- Doors over 7' 0" frame height up to and including 8' 0" frame height will have four (4) hinges per panel.
- Doors over 8' 3" frame height up to and including 9' 0" frame height will have five (5) hinges per panel.
- Doors over 9' 0" frame height will have six (6) hinges per panel.

Locks

- Mortised and keyed multi-point locking system, center deadbolt and shoot-bolts at head and sill will engage simultaneously.
- Doors 8' 0" frame height and below will have one (1) strike at the head, one (1) strike at the sill and one (1) center deadbolt.
- Doors over 8' 0" frame height up to and including 10' 0" frame height will have one (1) strike at the head, one (1) strike at the sill and three (3) locking points at the stile.
- Solid brass handles and keylock with K-keyway cylinder.
- Key cylinder finish is [Brass] [Stainless Steel] [Matte Black].

Finish

- Hardware finish is (Handle, Hinges and Strike) [baked enamel [White] [Champagne] [Brown] [Matte Black]] [PVD High Performance finish [Satin Brass] [Satin Nickel]] [Oil-Rubbed Bronze] [Distressed Bronze] [Distressed Nickel] [Polished Nickel] [Polished Chrome].

Optional Products

Grilles

- Integral Light Technology® grilles
  - Interior grilles are [5/8"] [7/8"] [1-1/4"] ogee profile that are solid [pine] [mahogany]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain][3]].
  - Exterior grilles are [5/8"] [7/8"] [1-1/4"] putty glaze profile that are solid [pine] [mahogany]. Exterior surfaces are water repellent, preservative-treated in accordance with WDMA I.S.-4, and are factory primed.
  - Patterns are [Traditional] [Prairie] [Top Row] [Cross] [New England] [Victorian].
  - Insulating glass contains non-glare spacer between the panes of glass.
  - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with spacer

– or –

- Grilles-Between-the-Glass[2]
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
  - Patterns are [Traditional] [Prairie] [Cross] [Top Row]
  - Interior color is [White] [Tan[2]] [Brown[2]] [Putty[2]] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
  - Exterior color[4] is [Standard[3]].

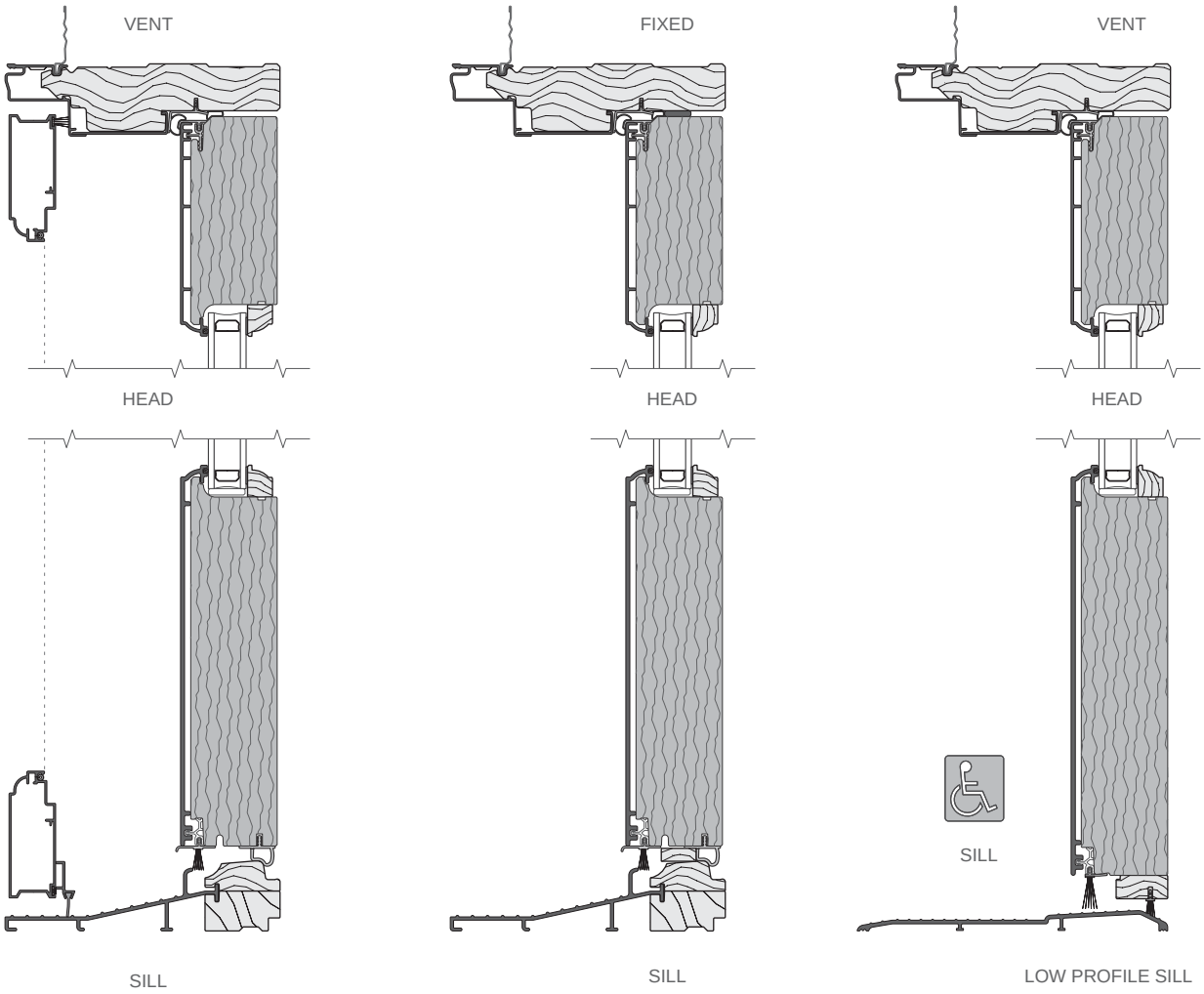
(1) Available in clear or Low-E insulating glass with argon, and obscure insulated glass.

(2) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

(3) Contact your local Pella sales representative for current color options.

(4) Appearance of exterior grille color will vary depending on Low-E coating on glass.

Unit Sections – Aluminum-Clad Exterior - Wood Collection



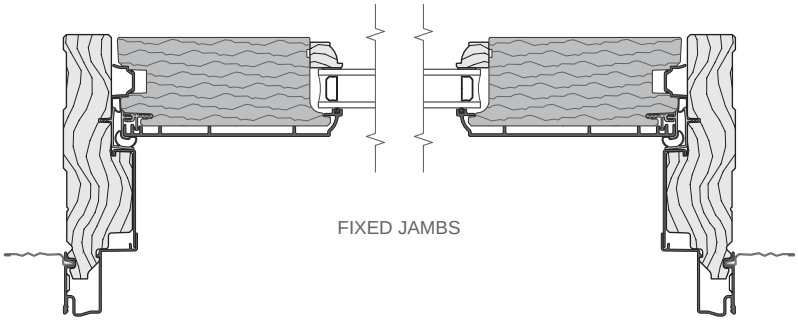
Solid Mahogany

Core with Mahogany Veneer

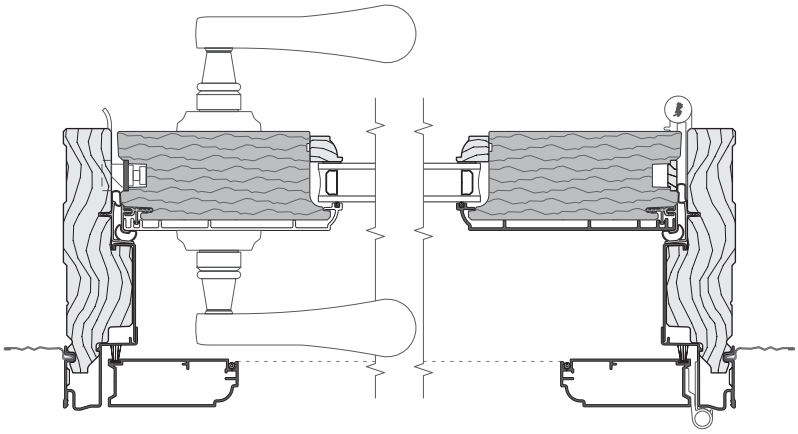
Painted Pine

Scale 3" = 1' 0"
All dimensions are approximate.
Water resistance is 0 psf for doors with low profile sill.

Unit Sections – Aluminum-Clad Exterior - Wood Collection

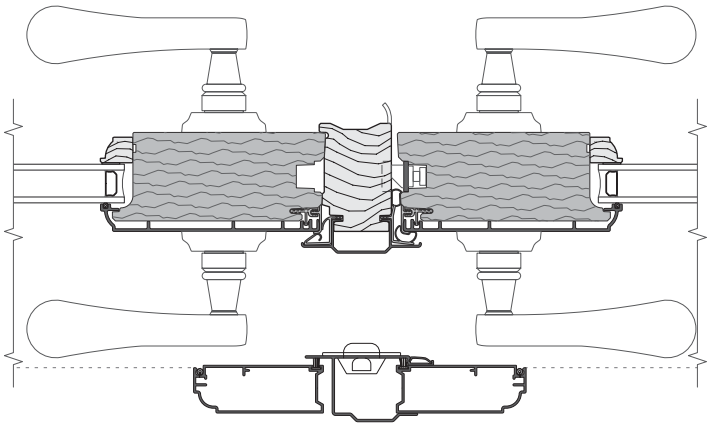


FIXED JAMBS



LOCK JAMB

HINGE JAMB



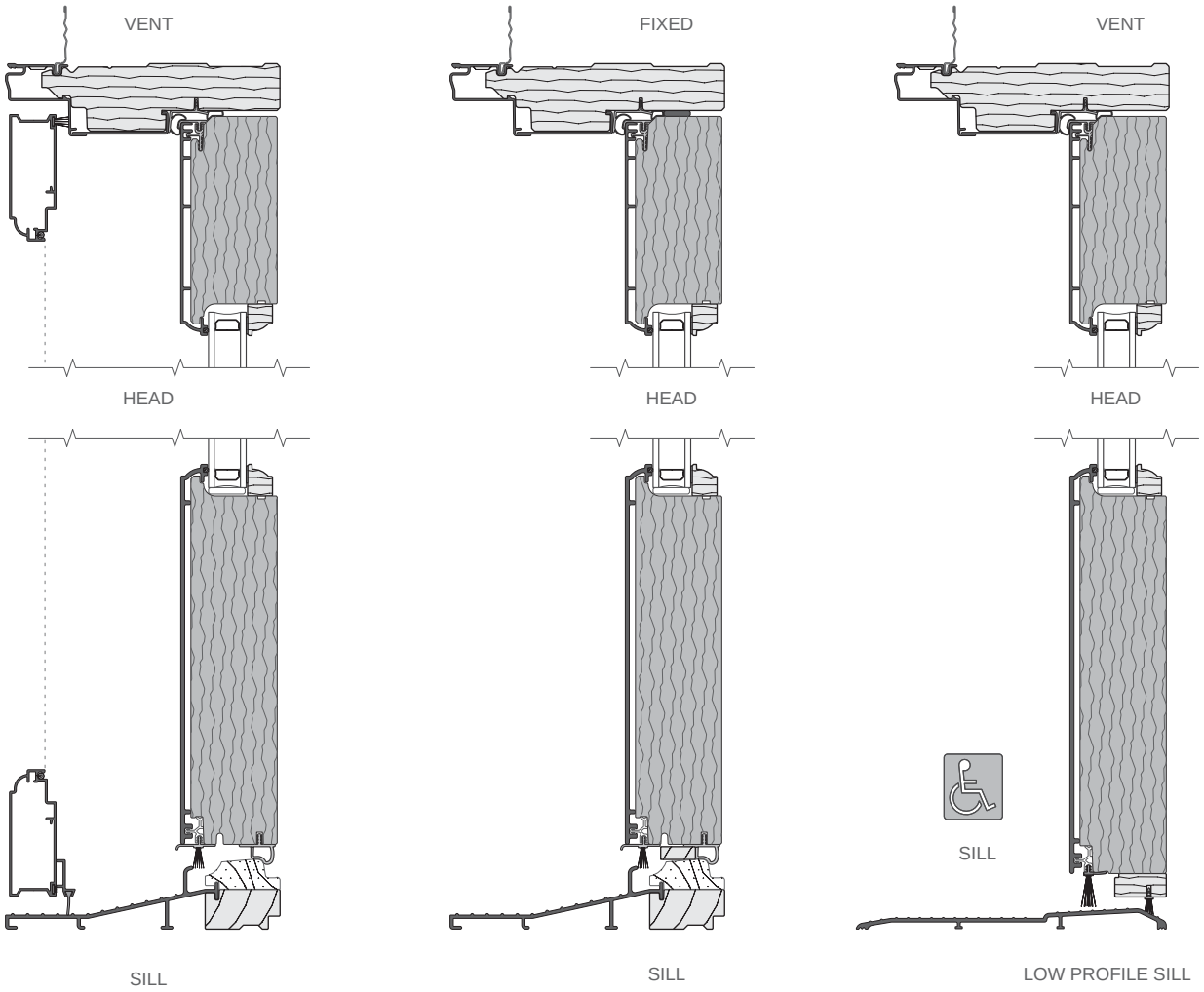
PASSIVE / ACTIVE
ASTRAGAL

Solid Mahogany

Core with Mahogany Veneer

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

Unit Sections – Aluminum-Clad Exterior - Wood Collection



Alder, Douglas Fir or Pine

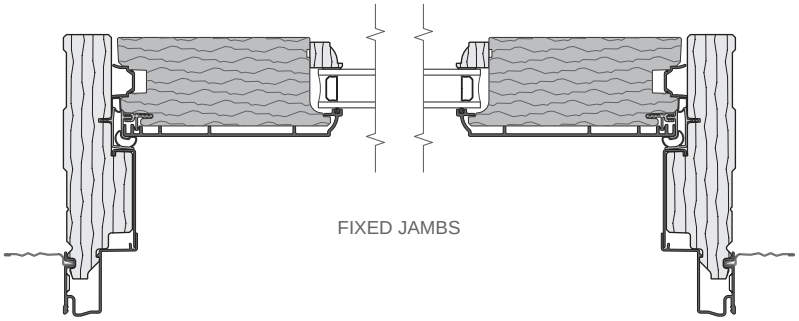
Core with Alder, Douglas Fir or Pine Veneer

Solid Pine

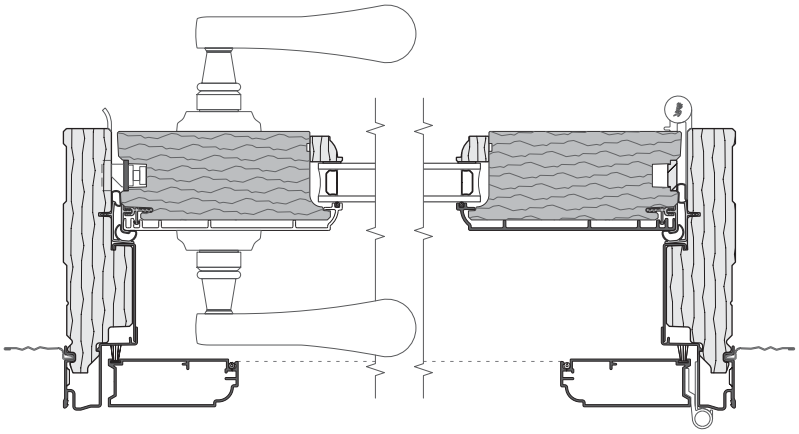
Oak

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

Unit Sections – Aluminum-Clad Exterior - Wood Collection

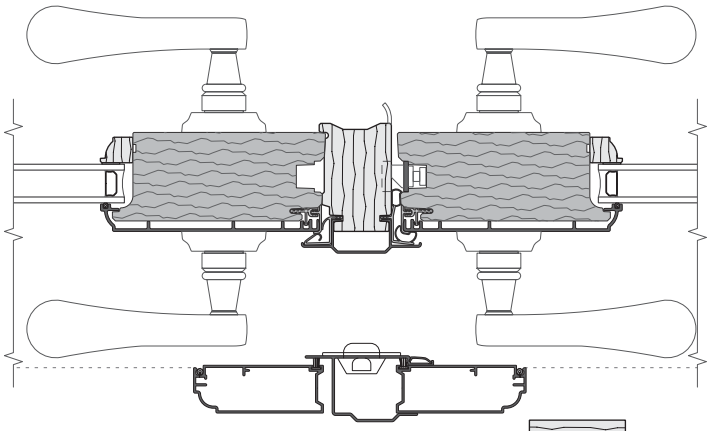


FIXED JAMBS



LOCK JAMB

HINGE JAMB



PASSIVE / ACTIVE
ASTRAGAL

Alder, Douglas Fir or Pine

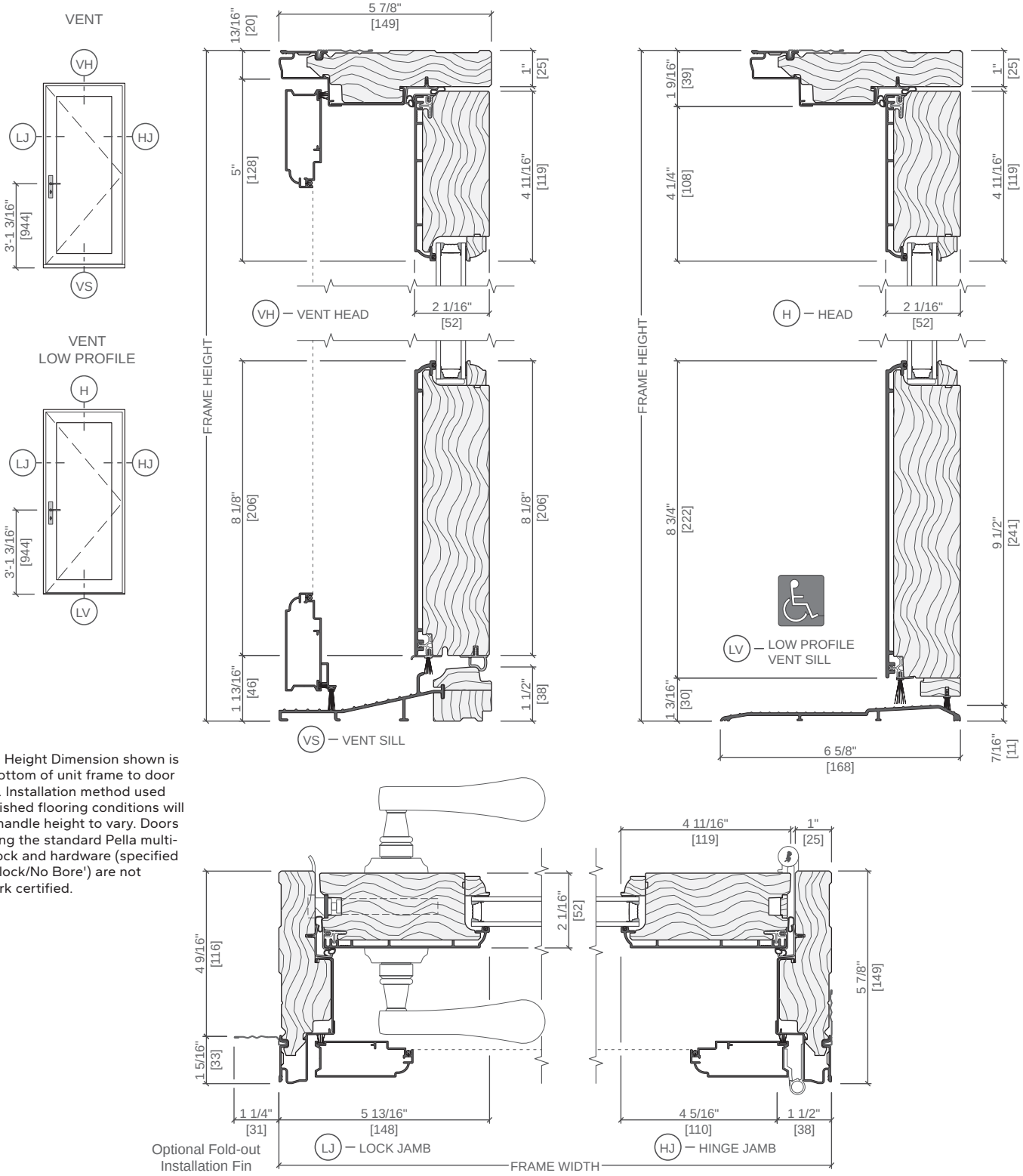
Core with Alder, Douglas Fir or Pine Veneer

Solid Pine

Oak

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

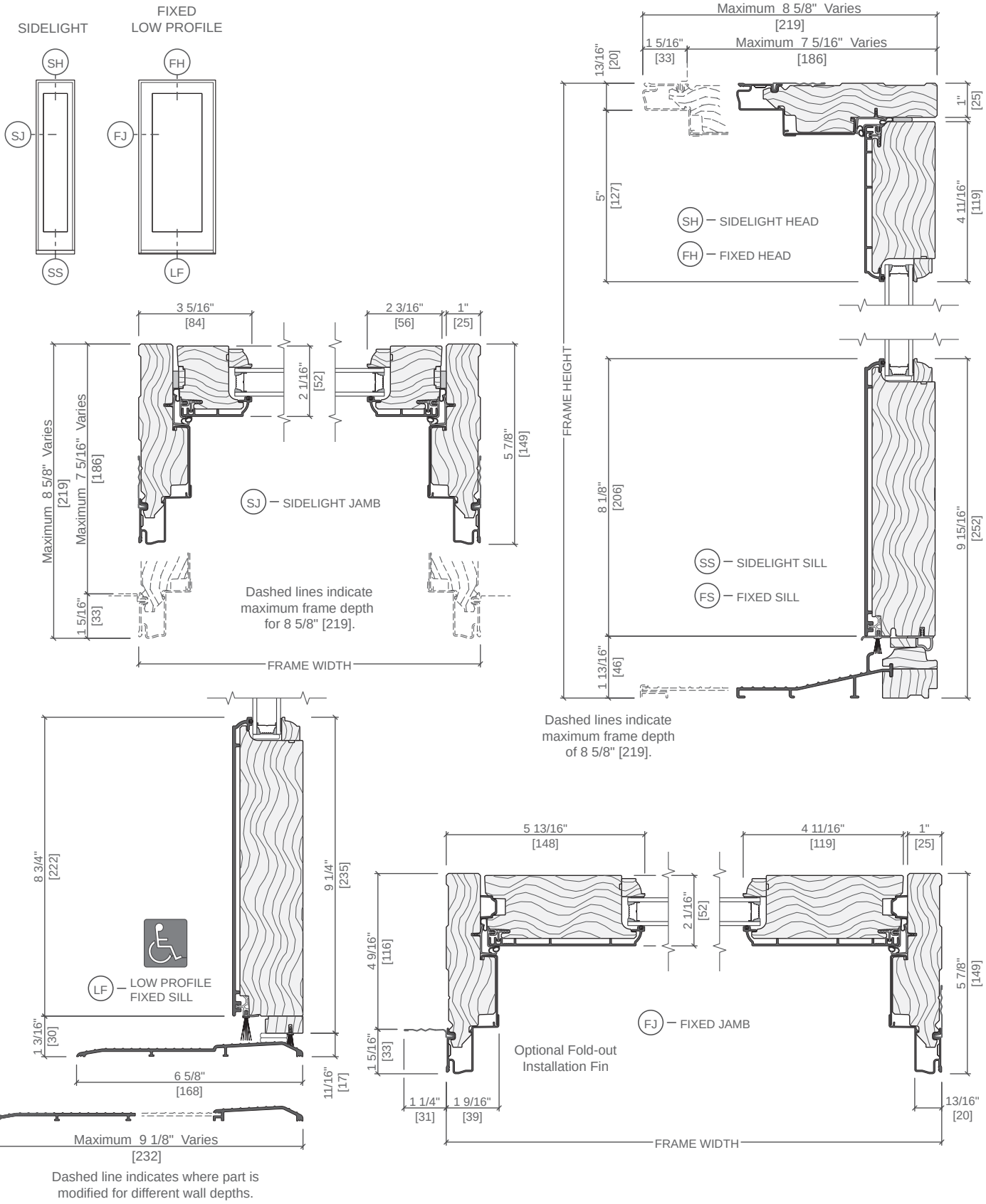
Unit Sections – Aluminum-Clad Exterior, Ogee Exterior Profile



Handle Height Dimension shown is from bottom of unit frame to door handle. Installation method used and finished flooring conditions will cause handle height to vary. Doors not using the standard Pella multi-point lock and hardware (specified as 'No lock/No Bore') are not Hallmark certified.

Scale 3" = 1' 0"
All dimensions are approximate.
Water resistance is 0 psf for doors with low profile sill

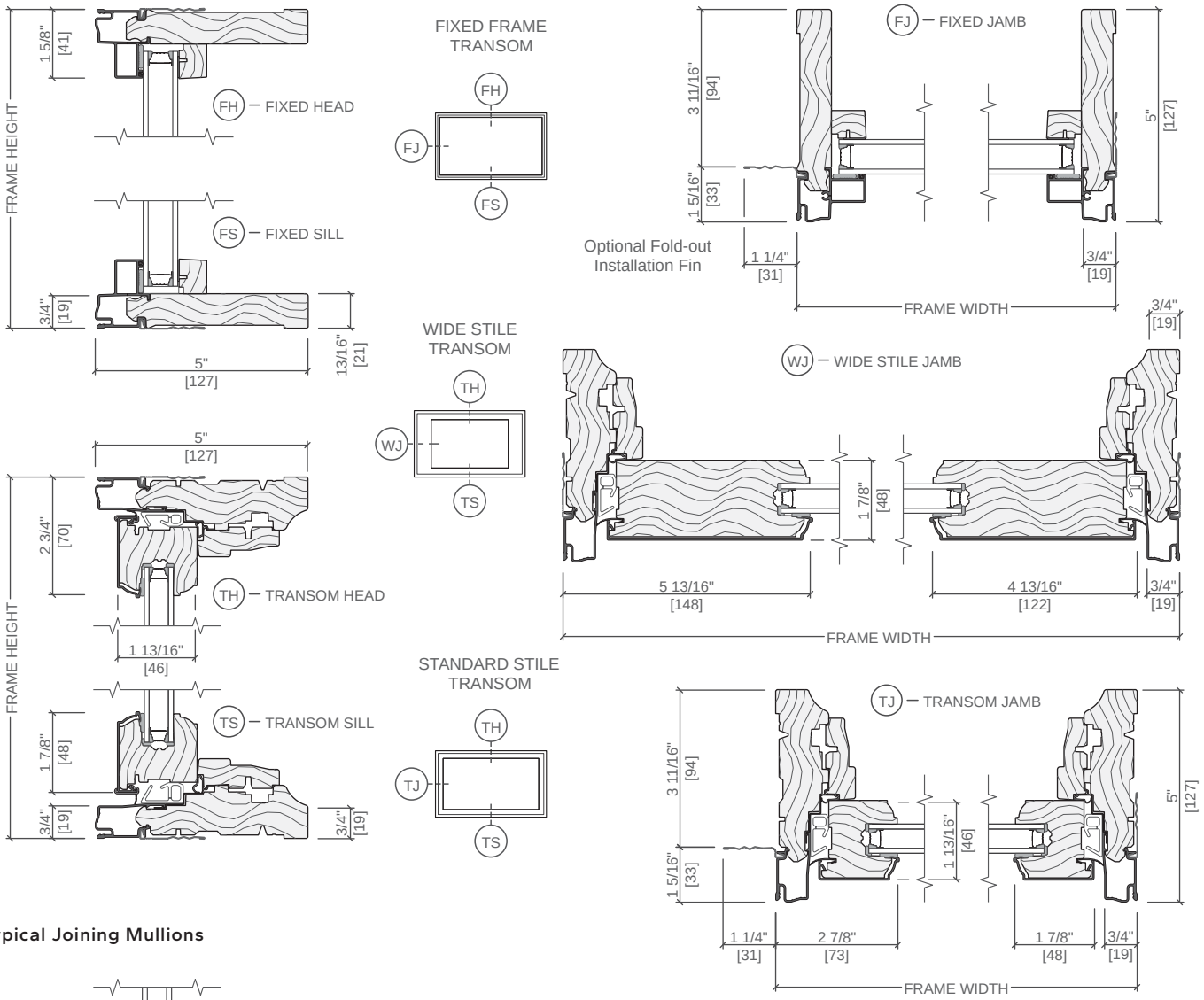
Unit Sections – Aluminum-Clad Exterior, Ogee Exterior Profile



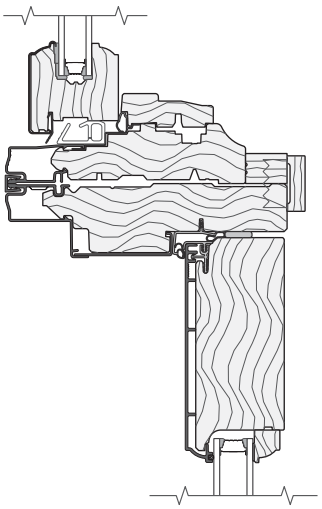
Scale 3" = 1' 0"
All dimensions are approximate.

Water resistance is 0 psf for doors with low profile sill.

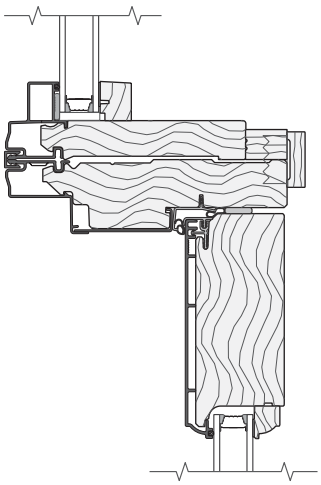
Unit Sections – Aluminum-Clad Exterior, Ogee Exterior Profile



Typical Joining Mullions



HORIZONTAL JOINING MULLION
CASEMENT / IN-SWING FRENCH DOOR

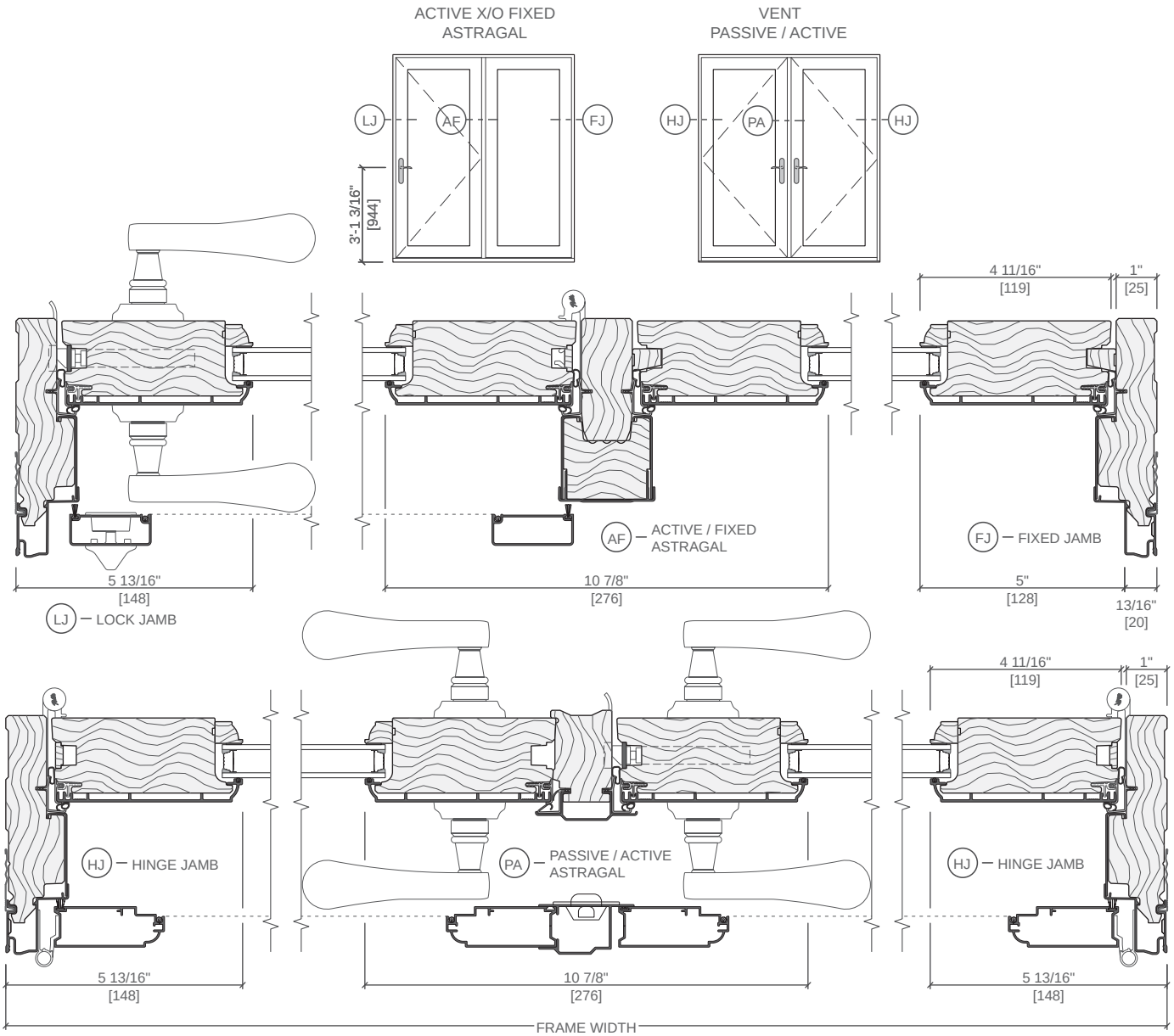


HORIZONTAL JOINING MULLION
FIXED FRAME / IN-SWING FRENCH DOOR

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

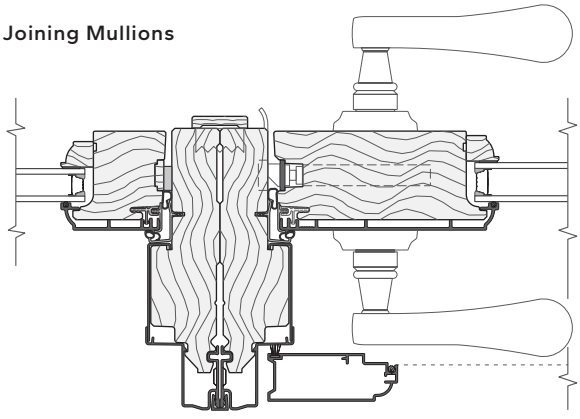
See www.Pella.com for mullion limitations and reinforcing requirements.

Unit Sections – Aluminum-Clad Exterior, Ogee Exterior Profile

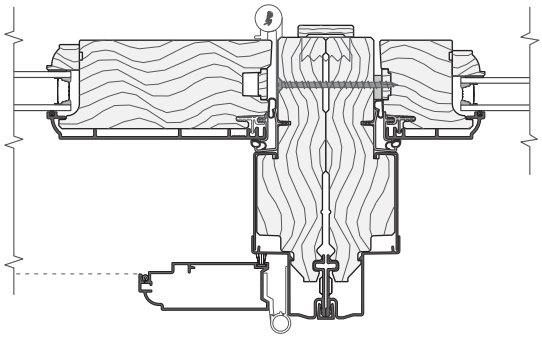


Typical Joining Mullions

- Use standard joining mullions when joining fixed door panels.
- Sidelights or fixed panels may be joined directly to operable door panels. Composite must be installed with head drip fin and installation fins per standard installation instructions.
- Structural mullion must be used for all other combinations.



VERTICAL JOINING MULLION
SIDELIGHT JAMB / LOCK JAMB

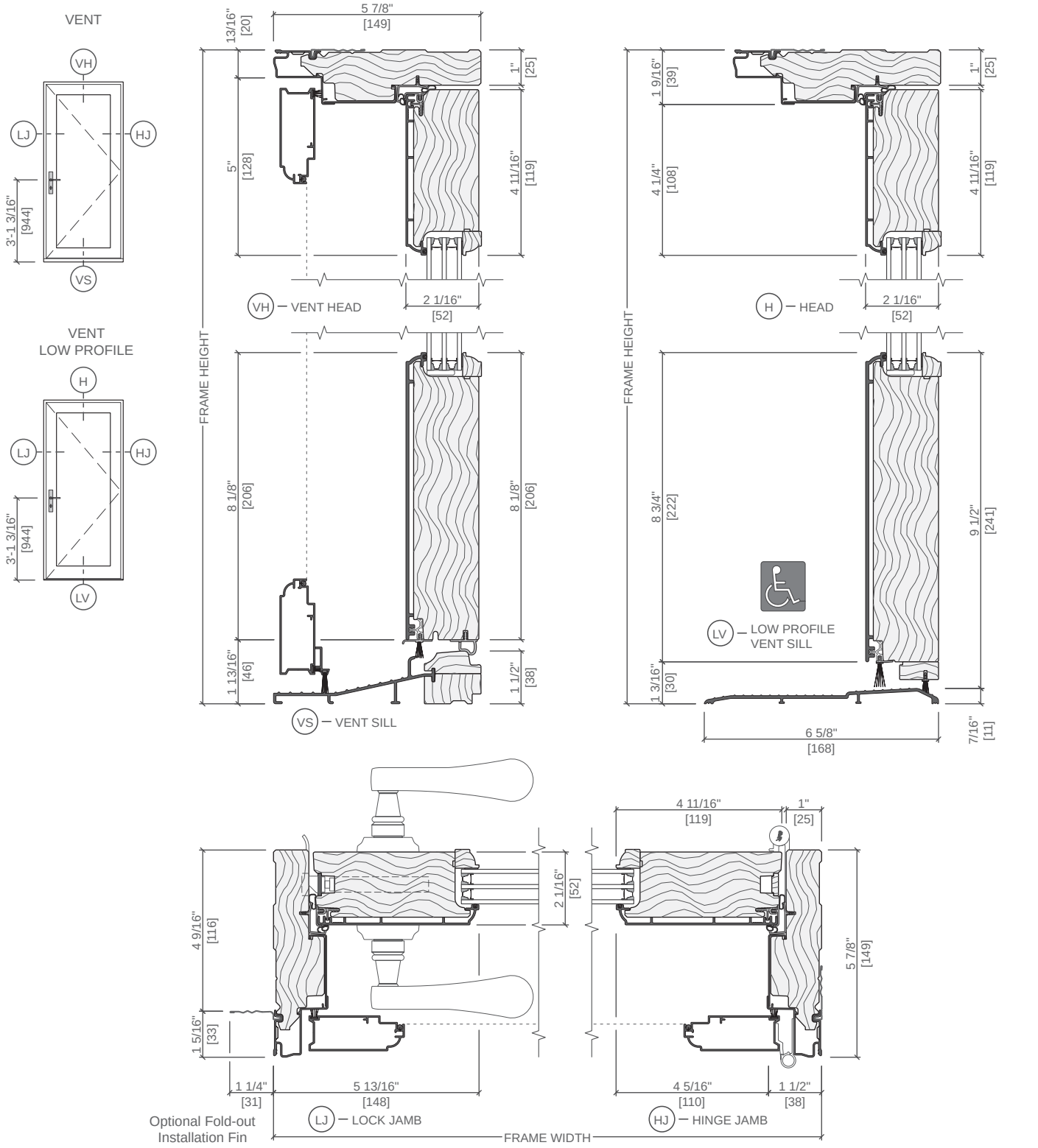


VERTICAL JOINING MULLION
HINGE JAMB / SIDELIGHT

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

Pella® Reserve™ Traditional In-Swing Patio Door

Unit Sections – Aluminum-Clad Exterior, Ogee Exterior Profile, Triple-Pane

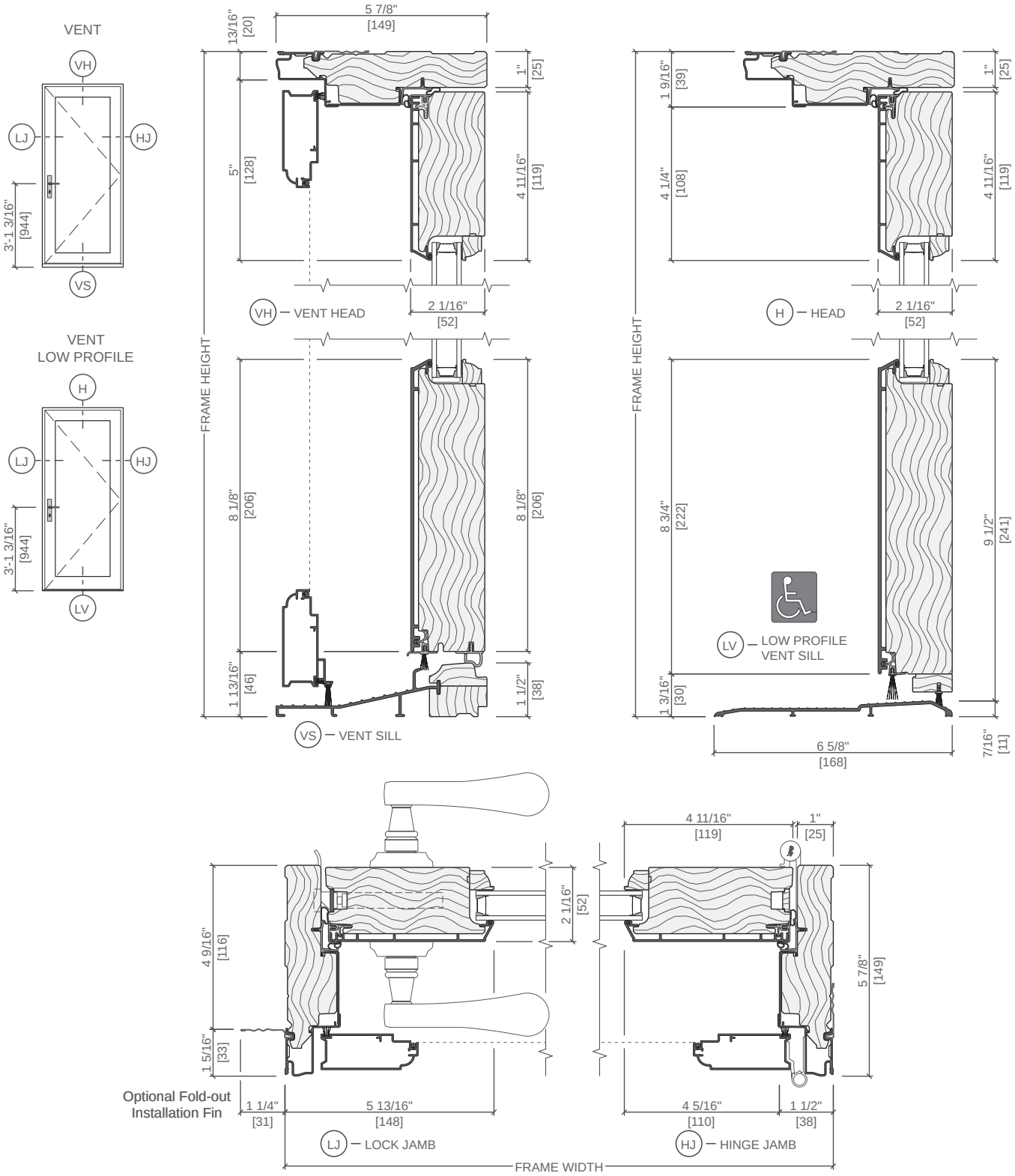


Scale 3" = 1' 0"

All dimensions are approximate.

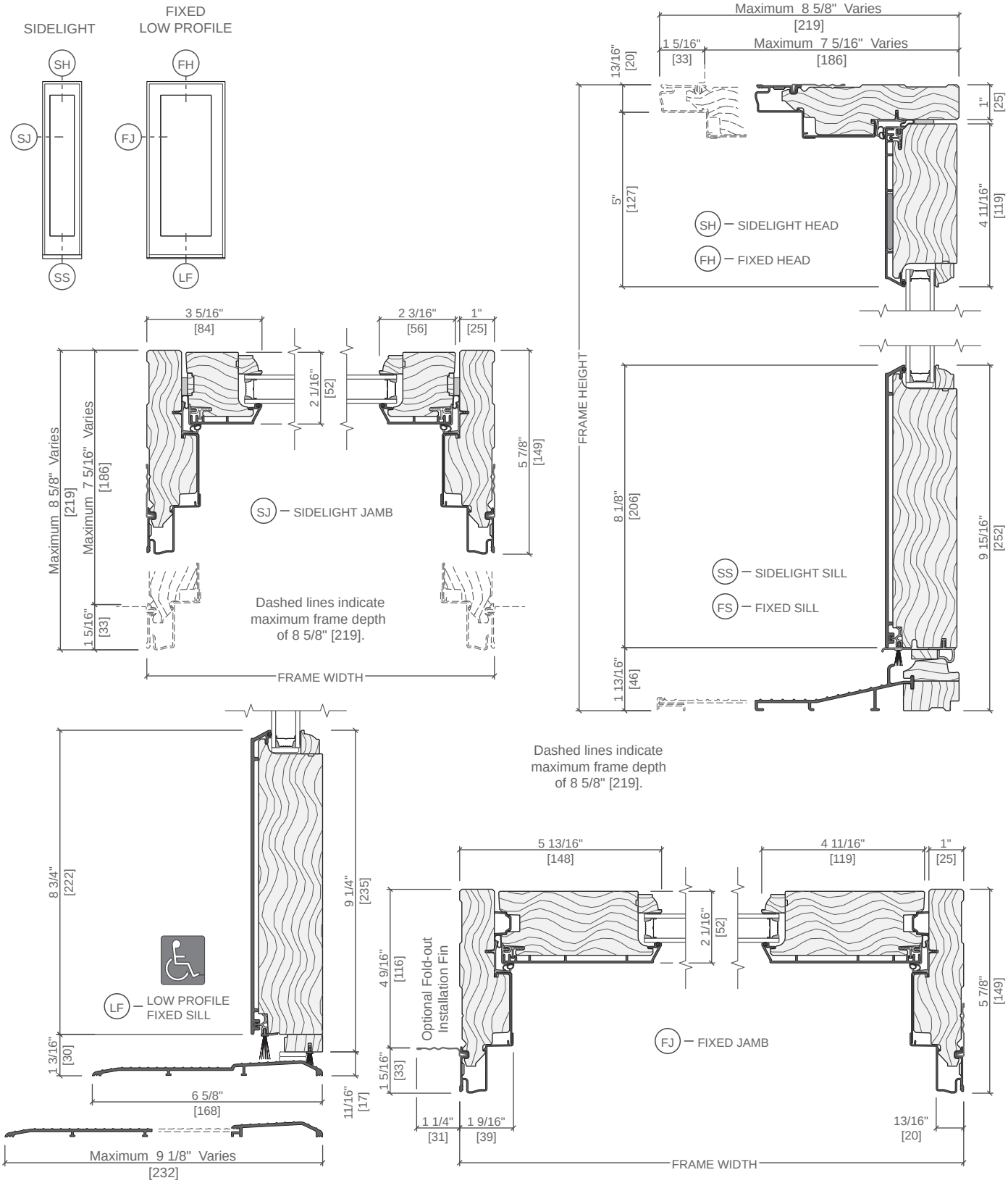
Water resistance is 0 psf for doors with low profile sill

Unit Sections – Aluminum-Clad Exterior, Putty Glaze Exterior Profile



Scale 3" = 1' 0"
All dimensions are approximate.
Water resistance is 0 psf for doors with low profile sill

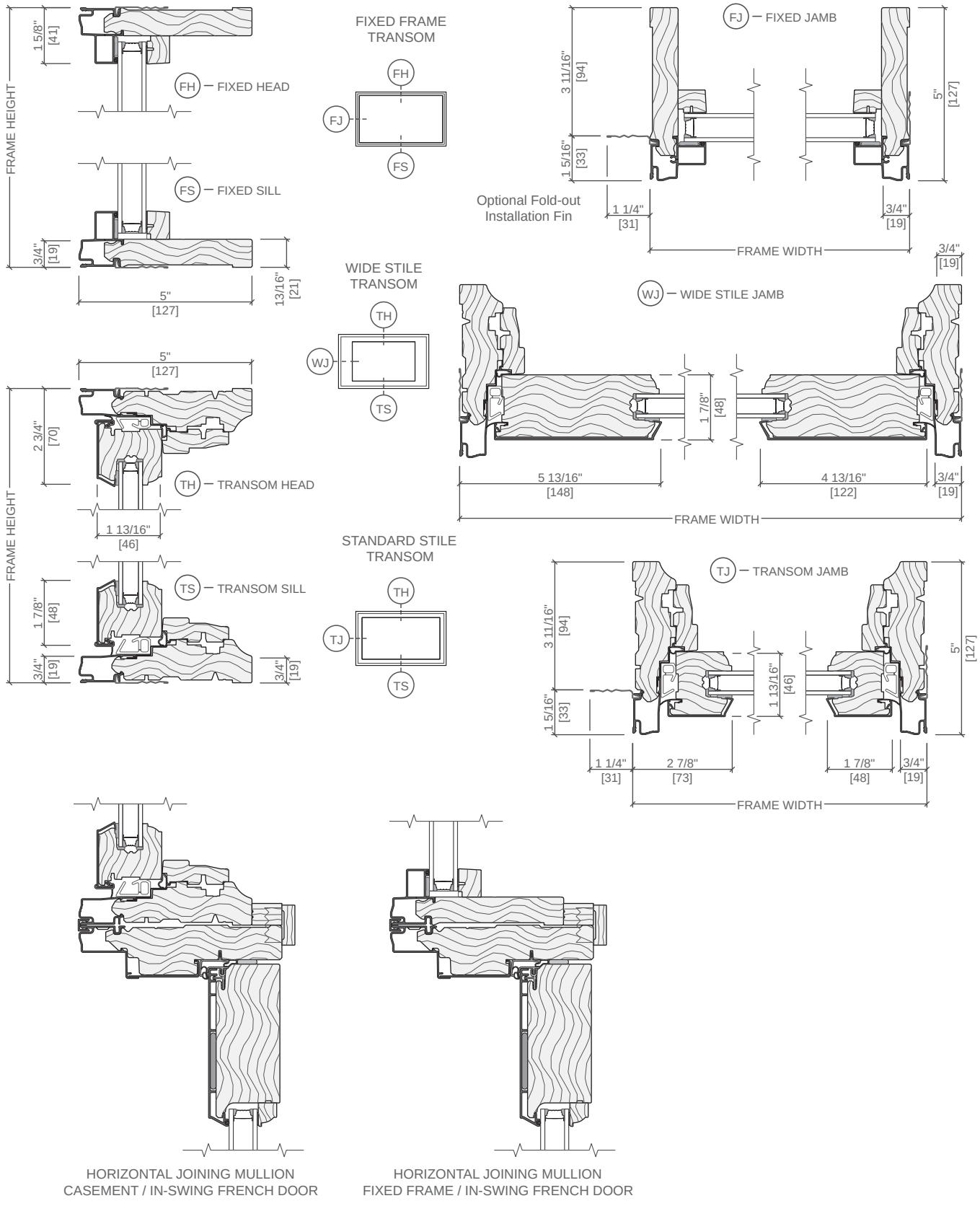
Unit Sections – Aluminum-Clad Exterior, Putty Glaze Exterior Profile



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

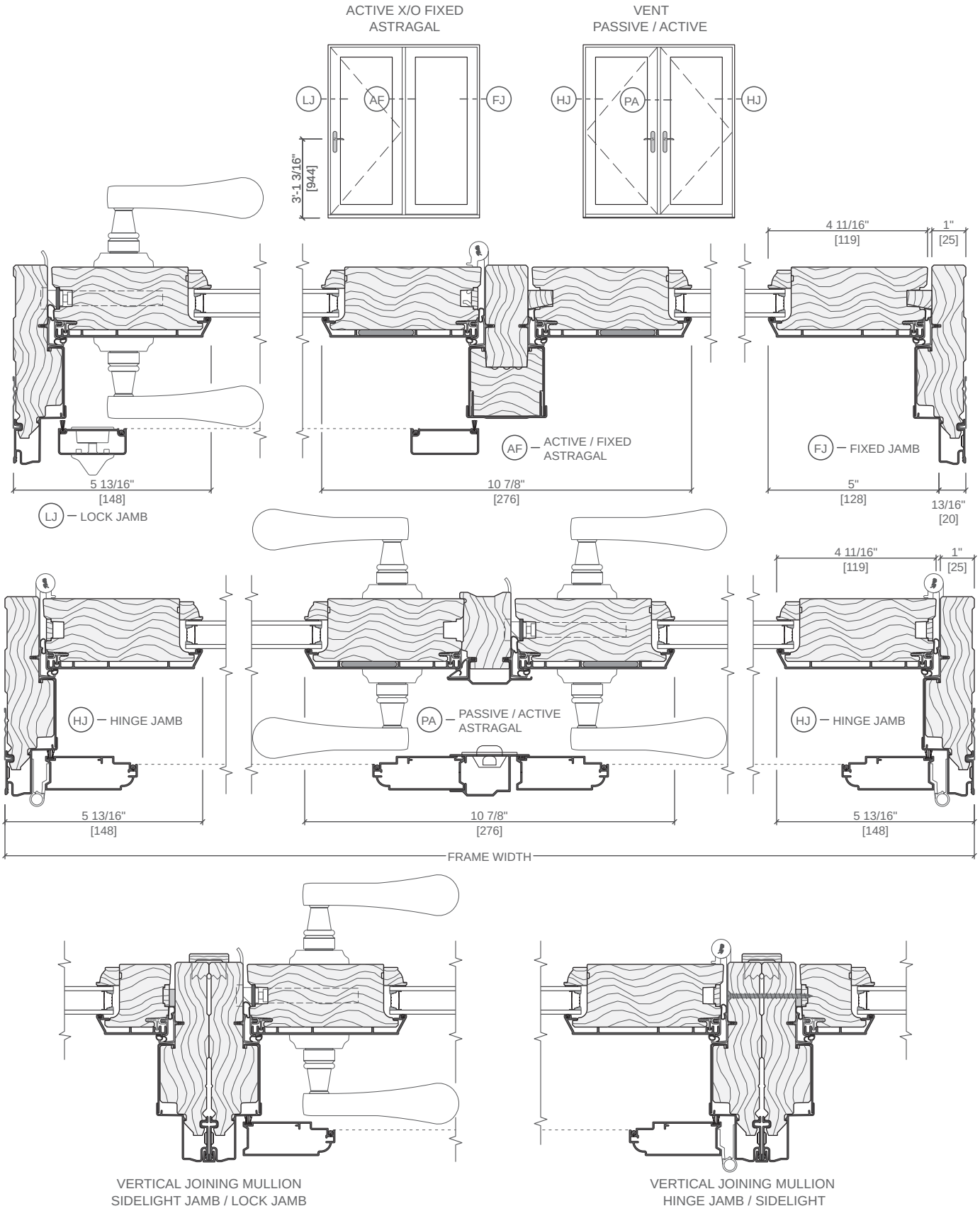
Water resistance is 0 psf for doors with low profile sill.

Unit Sections – Aluminum-Clad Exterior, Putty Glaze Exterior Profile



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

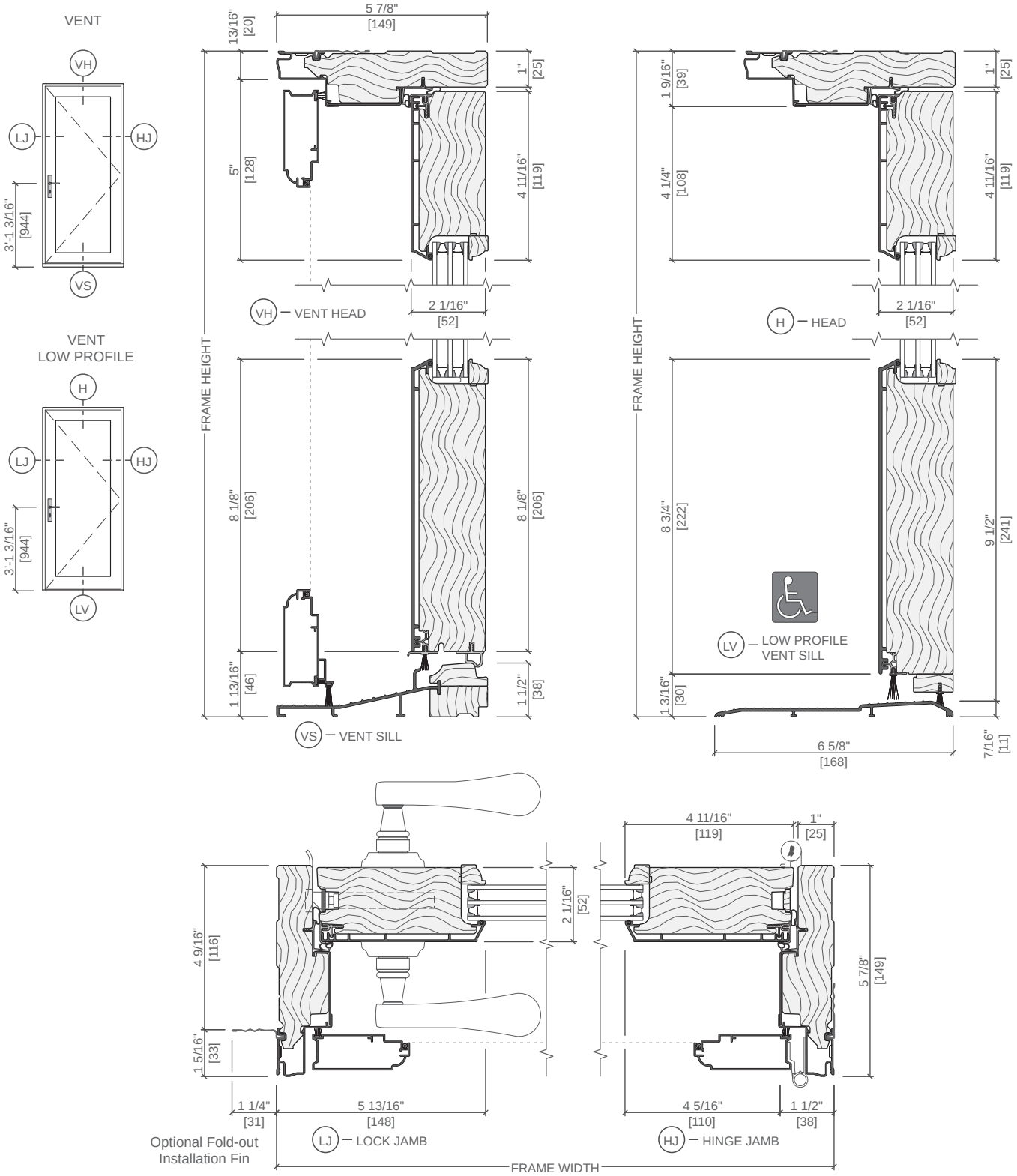
Unit Sections – Aluminum-Clad Exterior, Putty Glaze Exterior Profile



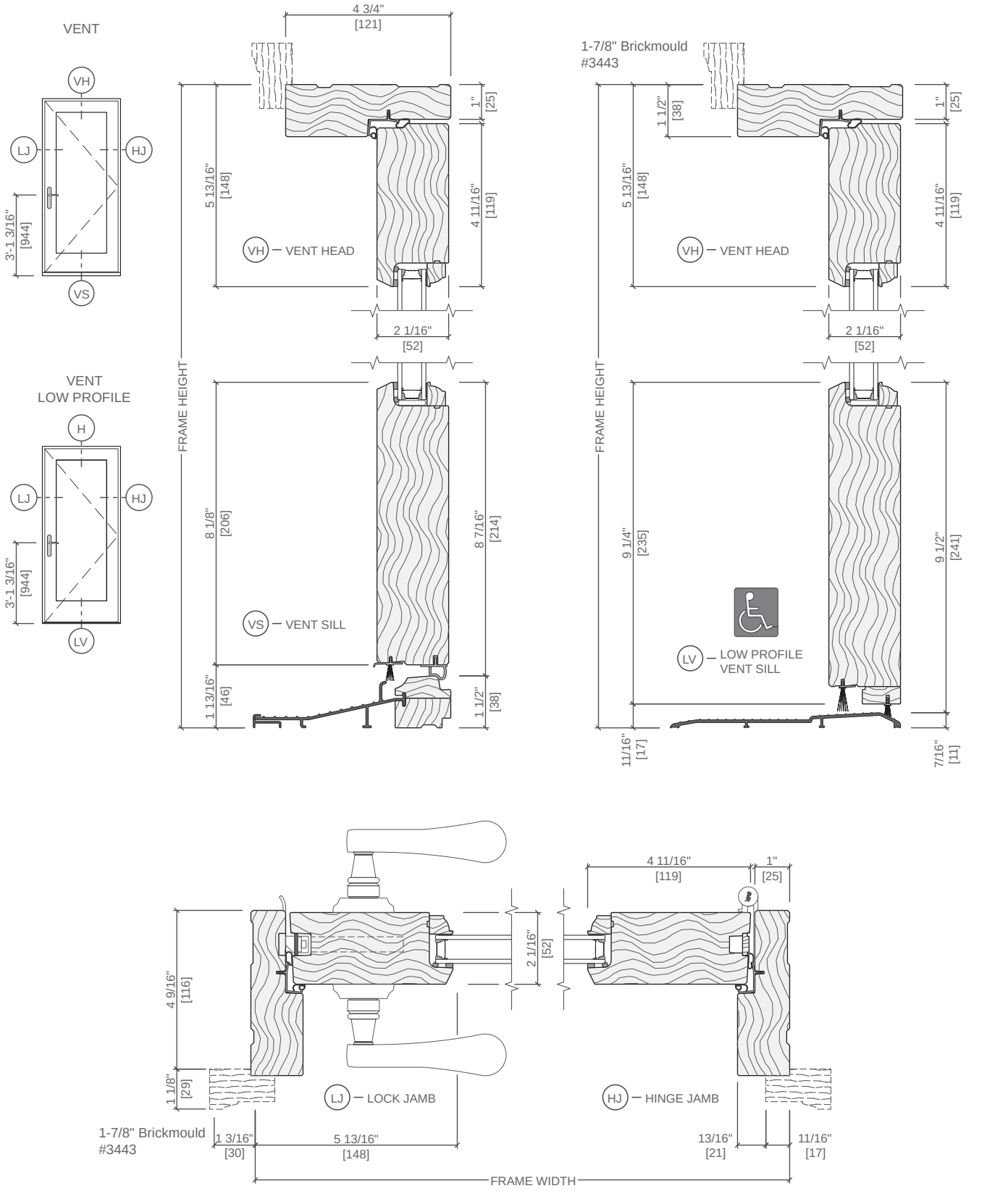
VERTICAL JOINING MULLION
SIDELIGHT JAMB / LOCK JAMB

VERTICAL JOINING MULLION
HINGE JAMB / SIDELIGHT

Unit Sections – Aluminum-Clad Exterior, Putty Glaze Exterior Profile, Triple-Pane

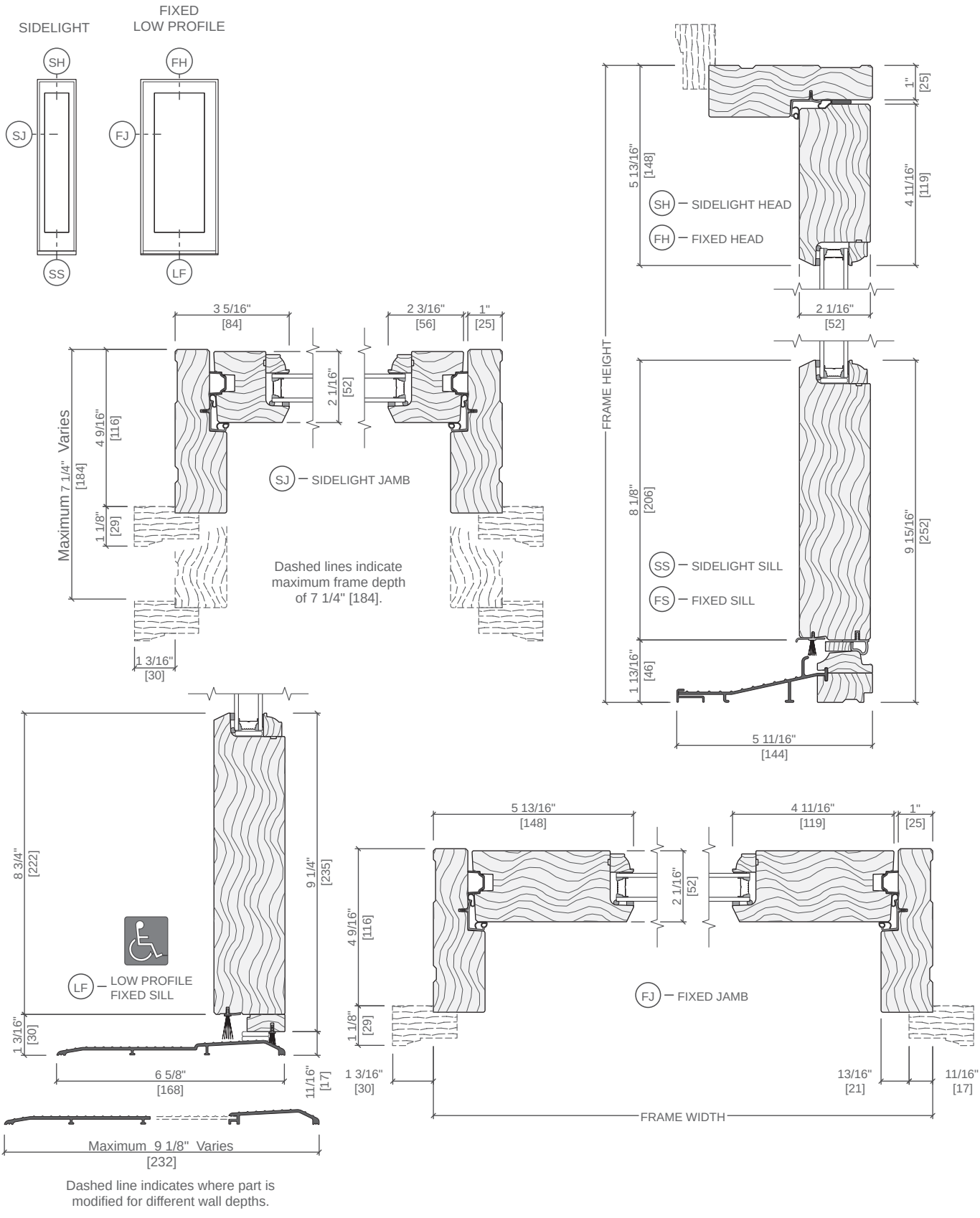


Unit Sections – Wood Exterior, Putty Glaze Exterior Profile



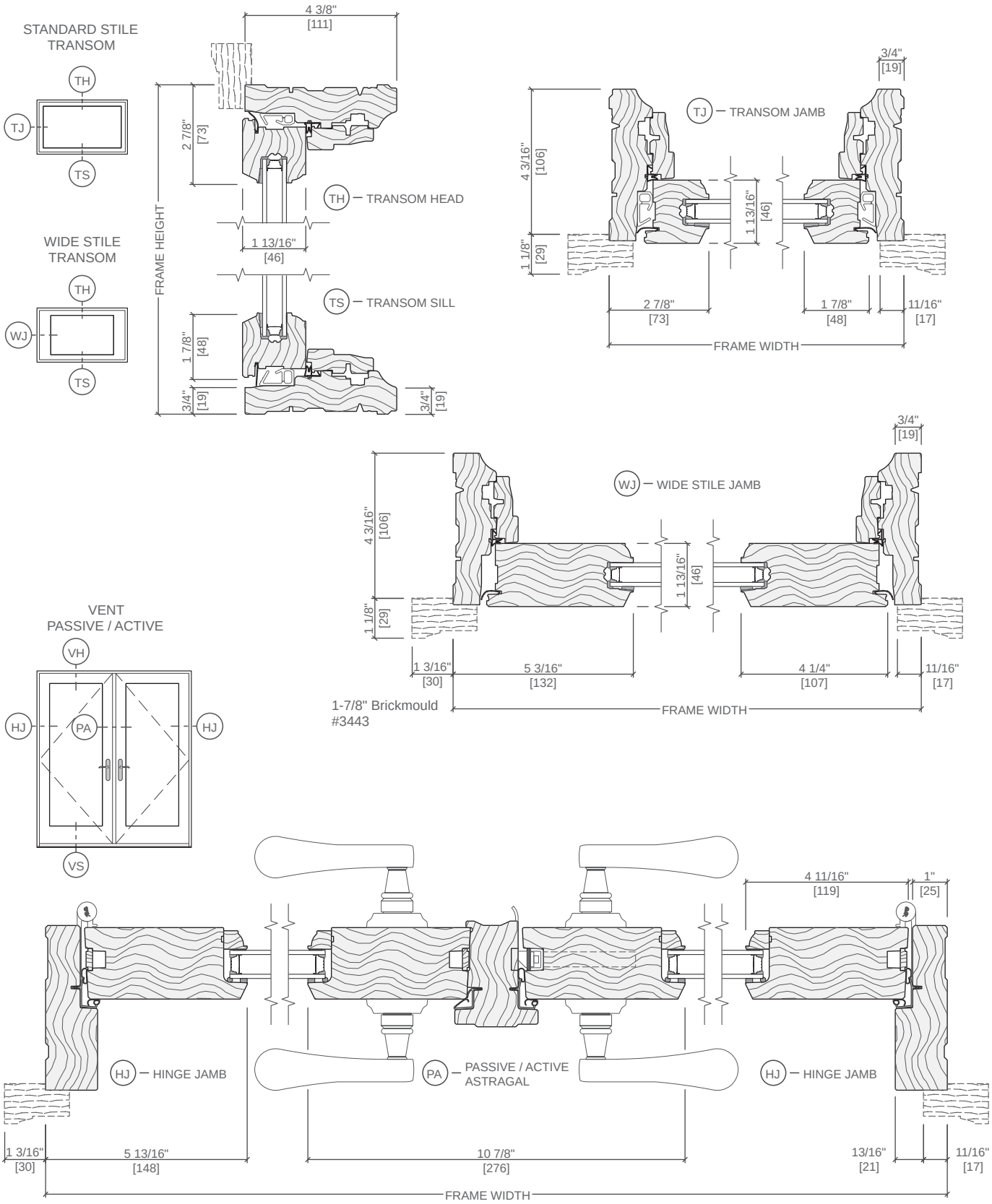
Scale 3" = 1' 0"
All dimensions are approximate.

Unit Sections – Wood Exterior, Putty Glaze Exterior Profile



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

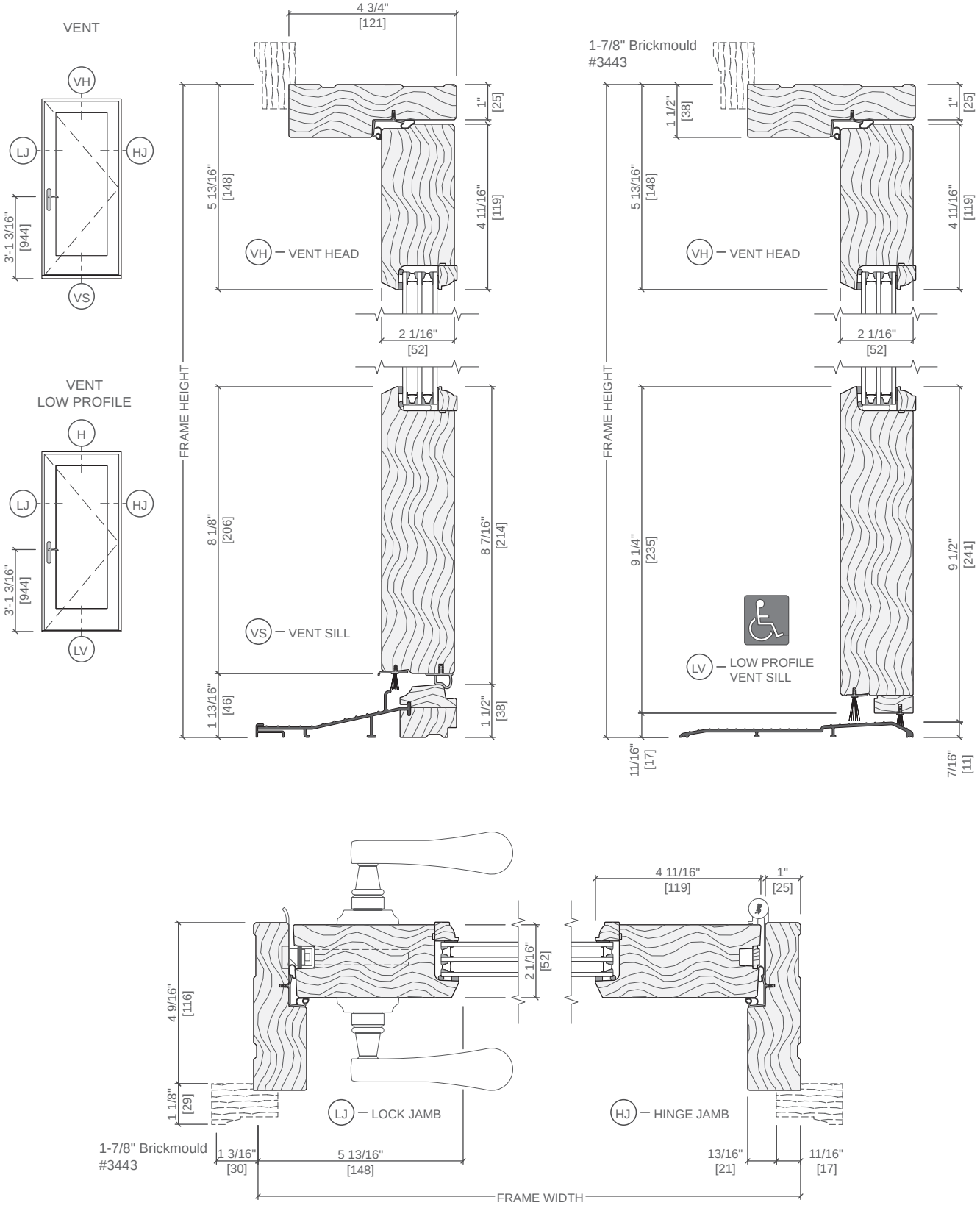
Water resistance is 0 psf for doors with low profile sill.



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

See www.Pella.com for mullion limitations and reinforcing requirements.

Unit Sections – Wood Exterior, Putty Glaze Exterior Profile, Triple-Pane

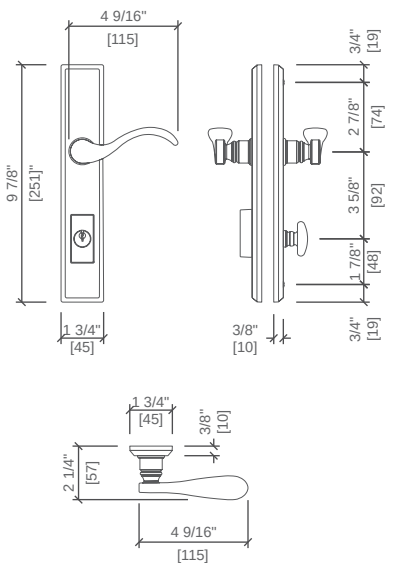


Scale 3" = 1' 0"
All dimensions are approximate.

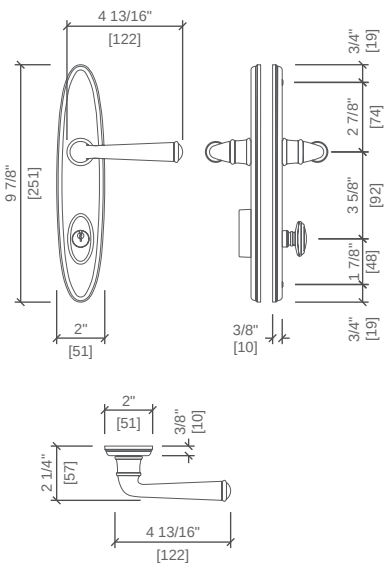
Water resistance is 0 psf for doors with low profile sill.

Unit Sections – Handle Hardware Dimensions

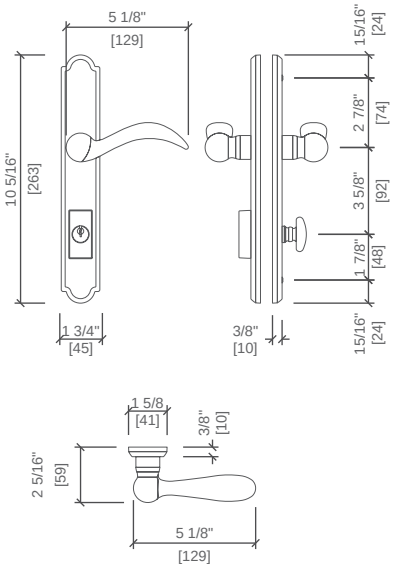
VIRAGO



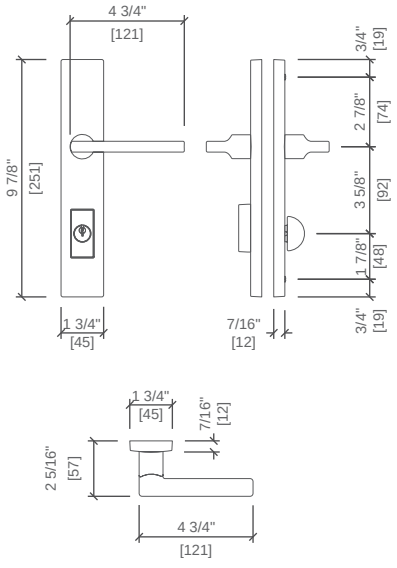
LOCUS



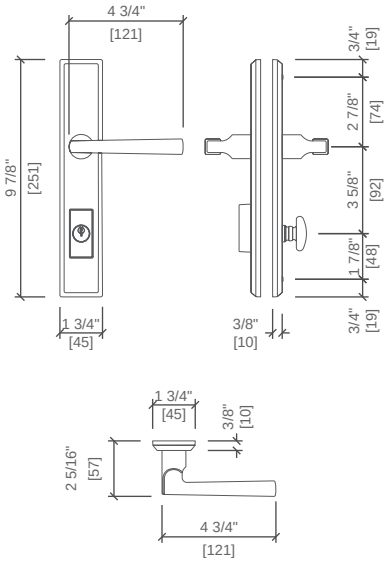
RUSTIEK



SPIERE



GUSTO



Standard

