



Size and Performance Data..... BF-2

Grille Types BF-4

Design Data—Vent..... BF-5

Detailed Product Descriptions BF-10

Unit Sections BF-11

Document Navigation Tips:

Items listed in the table of contents above are active links that will take you to the corresponding page.

The Pella logo on each page is a link back to this table of contents.

Bookmarks are also included in this PDF document and are available as an additional navigation option.

Supporting documents for this product:

- CSI Specs (readable using Microsoft Word or other text editing application):
- https://media.pella.com/professional/adm/Wood-CSI_Specs/081476.rtf?utm_source=pdfdoc
- AIA Masterspec (readable using Microsoft Word or other text editing application):
- https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/08550FL_finished.rtf?utm_source=pdfdoc
- Detailed Product Description (readable using Microsoft Word or other text editing application):
- https://media.pella.com/professional/adm/Specialty/PRC-BifoldDoor-C.rtf?utm_source=pdfdoc
- CAD cross sections (requires appropriate CAD software to read and use):
- https://media.pella.com/professional/adm/Specialty/AS-Senscp-Hinge-Detail_D.dwg?utm_source=pdfdoc
- 3D & BIM (requires appropriate software to read and use):
- https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Door-Bi-Fold-Pella-Reserve-Contemporary.zip?utm_source=pdfdoc

Microsoft and Microsoft Word are registered trademarks of Microsoft Corp.

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™ Contemporary Bifold Door

Performance Data

		Out-Swing
Performance Data ¹		
DOORS 8' 7/8" TALL AND UNDER	Standard Sill	
	Meets or Exceeds AAMA/WDMA Ratings	LC25
	Air Infiltration	0.15
	Water Penetration Resistance	3.76
	Design Pressure	25
	Low Profile Sill and Flush Sill	
	Meets or Exceeds AAMA/WDMA Ratings	not rated
	Air Infiltration	not rated
	Water Penetration Resistance	not rated
	Design Pressure	not rated
DOORS OVER 8' 7/8" TALL	Standard Sill	
	Meets or Exceeds AAMA/WDMA Ratings	R15
	Air Infiltration	0.15
	Water Penetration Resistance	2.92
	Design Pressure	15
	Low Profile Sill and Flush Sill	
	Meets or Exceeds AAMA/WDMA Ratings	not rated
	Air Infiltration	not rated
	Water Penetration Resistance	not rated
	Design Pressure	not rated
Other Performance Criteria		
Forced Entry Resistance Level (Minimum Security Grade) ²		40

(1) Maximum performance for panel size up to 39" wide when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance. Contact your local sales representative for complete information.

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



Pella® Reserve™ Contemporary Bifold Door

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 , Frosted Obscure
	Tinted Glass (Bronze, Gray and Green)
	Noise reduction laminated glass (non-impact)
Gas Fill/High Altitude	
Argon	High altitude (with air)
Wood Types	
Pine	Mahogany, Douglas Fir
Exterior	
EnduraClad® protective finish	EnduraClad Plus protective finish
Cladding Colors ¹	
Standard colors	Custom Colors
Interior	
Unfinished wood	Factory primed, Factory prefinished paint ¹ , Factory prefinished stain ¹
Hardware	
Passage Door Handle Set	
White, Champagne, Brown, Matte Black	Polished Chrome, Satin Brass, Distressed Bronze, Distressed Nickel, Satin Nickel
Locking and Sensors	
Kwikset lock cylinder	Integrated Sensors, SmartKey lock cylinder
Dualpoint Lock Handle	
White, Brown, Matte Black, Satin Nickel	Satin Brass, Polished Chrome
Hinges	
White, Brown, Matte Black, Satin Nickel	Satin Brass, Polished Chrome
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross, New England, Victorian, Custom
Grilles-Between-the-Glass	
—	Traditional, Prairie, Cross, Top Row ¹ , Custom-Equally Divided

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



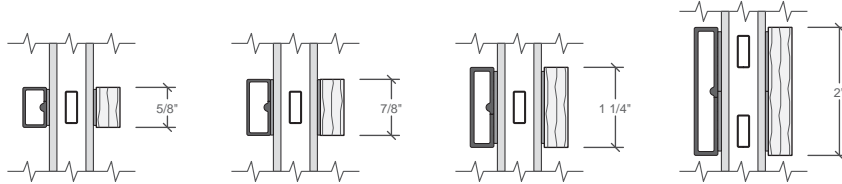
Grilles

Grille Profiles

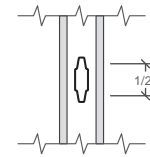
Contemporary Style Collection - Integral Light Technology®

Square Grilles

Clad Exterior - Wood Interior



Grilles-Between-the-Glass

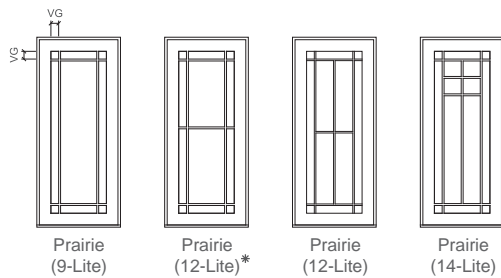


3/4"
Contoured Grille

Grille Patterns

Integral Light Technology® Grilles

PRAIRIE LITE PATTERNS

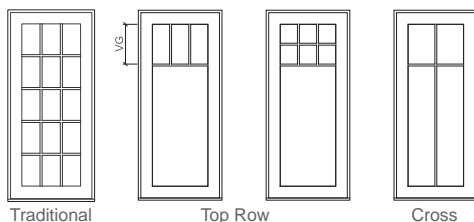


Standard corner lite dimension for Prairie patterns = 3-1/2" VG.

Integral Light Technology Grilles

- 9-Lite available in all 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.

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.

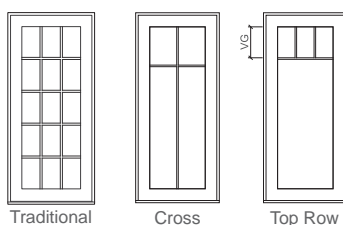
Cross

- 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".

OTHER AVAILABLE PATTERNS



VG = Visible Glass

Lite dimensions noted can vary.

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



Pella® Reserve™ Contemporary Bifold Door

Special Sizes and Dimensions

Hardware Handle Height	Frame Height		Panel Width		Panel Height	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
Typical	41"	119-1/2"	14-1/4"	42"	37-1/4"	115-3/4"
Window	41"	88-1/8"	14-1/4"	42"	37-1/4"	84-3/8"
Greater Than 54"	74-1/2"	119-1/2"	14-1/4"	42"	70-3/4"	115-3/4"

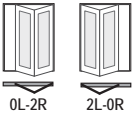
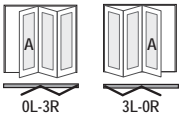
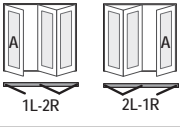
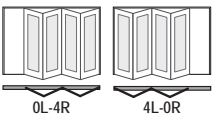
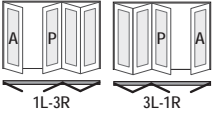

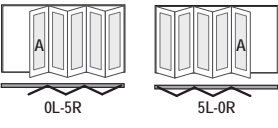
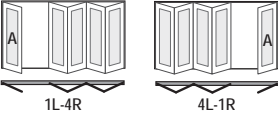

For low profile and flush sill, subtract .25" from height.

Dimension		Formula
Rough Opening Width		FW + 1
Rough Opening Height		FH + .625
Panel Height: Standard Sill		FH - 3.75
Panel Height: Low Profile (ADA) Sill		FH - 3.75
Panel Height: Flush Sill		FH - 3.75
Panel Projection		Panel width - 3.0"
Clear Opening (Approximate)		FW - Panel Stack - 3
Panel Stack One-Side No Handle Set (Approx.)		# Panels x 2.25"
Panel Stack One-Side w/ Handle Set (Approx.)		# Panels x 2.25 + 4.5
Panel Width	One Way No Passage Door	$(FW - (TP - 1) \times .1875 - 3) \div TP$
	One Way with Passage Door	$(FW - (TP - 1) \times .1875 - 3) \div TP$
	Split No Passage Door	$(FW - (TP - 2) \times .1875 - 3.3763) \div TP$
	Split with Passage Door	$(FW - (TP - 2) \times .1875 - 4) \div TP$



Pella® Reserve™ Contemporary Bifold Door

Design Data – Panel Configurations

				Maximum Frame Size (inches)		Performance Class and Grade ¹	
Panel Configuration			Passage-Door Handing	Frame Width	Frame Height	Out-swing Standard Sill	Out-swing Low Profile & Flush Sill
2-Panel		0L-2R 2L-0R	No passage door	81.5	96.875	LC25	NC
				81.5	119.5	R15	NC
				87.5	119.5	NC	NC
3-Panel		0L-3R 3L-0R	Active Right, Active Left	120.75	96.875	LC25	NC
				120.75	119.5	R15	NC
				129.75	119.5	NC	NC
		1L-2R, 2L-1R	Active Left, Active Right	121.5	96.875	LC25	NC
				121.5	119.5	R15	NC
				130.5	119.5	NC	NC
4-Panel		4L-0R, 0L-4R	No passage door	159.875	96.875	LC25	NC
				159.587	119.5	R15	NC
				171.875	119.5	NC	NC
		1L-3R, 3L-1R	Active Left/Passive Right, Passive Left/Active Right	160.75	96.875	LC25	NC
				160.75	119.5	R15	NC
				172.75	119.5	NC	NC
		2L-2R	No passage door	160.125	96.875	LC25	NC
				160.125	119.5	R15	NC
				172.125	119.5	NC	NC
5-Panel		0L-5R, 5L-0R	Active Right, Active Left	199.125	96.875	LC25	NC
				199.125	119.5	R15	NC
				214.125	119.5	NC	NC
		1L-4R, 4L-1R	Active Left, Active Right	199.875	96.875	LC25	NC
				199.875	119.5	R15	NC
				214.875	119.5	NC	NC
		2L-3R, 3L-2R	Active Right, Active Left	199.875	96.875	LC25	NC
				199.875	119.5	R15	NC
				214.875	119.5	NC	NC

"A" indicates the Active Passage Door where applicable.

"P" indicates a swinging Passive Door where handle set matches Passage Door.

(1) Maximum performance for panels up to 39" wide when glazed with the appropriate glass thickness.

Those noted as NC are not AAMA/WDMA performance certified.

Custom sized panels in 1/8" increments.

Doors are configured from left to right as viewed from the exterior.

Out-swing doors are shown.

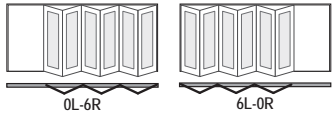
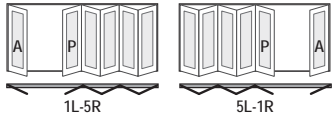


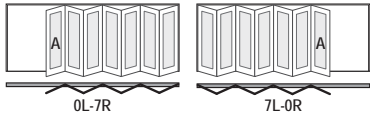
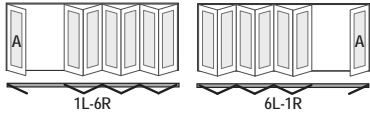


Minimum to Maximum door width dimensions refers to frame to frame dimension.

Contact your local Pella sales representative for more information.



Pella® Reserve™ Contemporary Bifold Door

Design Data – Panel Configurations

Panel Configuration		Passage-Door Handing	Maximum Frame Size (inches)		Performance Class and Grade ¹	
			Frame Width	Frame Height	Out-swing Standard Sill	Out-swing Low Profile & Flush Sill
6-Panel	 0L-6R 6L-0R	No passage door	238.25	96.875	LC25	NC
			238.25	119.5	R15	NC
			256.25	119.5	Not Rated	NC
	 1L-5R 5L-1R	Active Left/ Passive Right, Passive Left/ Active Right	239.125	96.875	LC25	NC
			239.125	119.5	R15	NC
			257.125	119.5	Not Rated	NC
	 2L-4R 4L-2R	No passage door	238.5	96.875	LC25	NC
			238.5	119.5	R15	NC
			256.5	119.5	Not Rated	NC
	 3L-3R	Option of Active/Passive or Passive/Active	239.125	96.875	LC25	NC
			239.125	119.5	R15	NC
			257.125	119.5	Not Rated	NC
7-Panel	 0L-7R 7L-0R	Active Right, Active Left	240	96.875	LC25	NC
			240	119.5	R15	NC
			298.5	119.5	Not Rated	NC
	 1L-6R 6L-1R	Active Left, Active Right	277.875	96.875	LC25	NC
			277.875	119.5	R15	NC
			298.125	119.5	Not Rated	NC
	 2L-5R 5L-2R	Active Right, Active Left	240	96.875	LC25	NC
			240	119.5	R15	NC
			298.25	119.5	Not Rated	NC
	 3L-4R 4L-3R	Active Left, Active Right	240	96.875	LC25	NC
			240	119.5	R15	NC
			298.25	119.5	Not Rated	NC

"A" indicates the Active Passage Door where applicable.

"P" indicates a swinging Passive Door where handle set matches Passage Door.

(1) Maximum performance for panels up to 39" wide when glazed with the appropriate glass thickness.

Those noted as NC are not AAMA/WDMA performance certified.

Custom sized panels in 1/8" increments.

Doors are configured from left to right as viewed from the exterior.

Out-swing doors are shown.











Minimum to Maximum door width dimensions refers to frame to frame dimension.

Contact your local Pella sales representative for more information.



Pella® Reserve™ Contemporary Bifold Door

Design Data – Panel Configurations

Panel Configuration		Passage-Door Handing	Maximum Frame Size (inches)		Performance Class and Grade ⁽¹⁾	
			Frame Width	Frame Height	Out-swing Standard Sill	Out-swing Low Profile & Flush Sill
8-Panel		No passage door	240	96.875	LC25	NC
			240	119.5	R15	NC
		Active Left/ Passive Right, Passive Left/ Active Right	240	96.875	LC25	NC
			240	119.5	R15	NC
		No passage door	240	96.875	LC25	NC
			240	119.5	R15	NC
		Option of Active/Passive or Passive/Active	240	96.875	LC25	NC
			240	119.5	R15	NC
		No passage door	240	96.875	LC25	NC
			240	119.5	R15	NC
9-Panel		Active Right, Active Left	240	96.875	LC25	NC
			240	119.5	R15	NC
		Active Left, Active Right	240	96.875	LC25	NC
			240	119.5	R15	NC
		Active Right, Active Left	240	96.875	LC25	NC
			240	119.5	R15	NC
		Active Left, Active Right	240	96.875	LC25	NC
			240	119.5	R15	NC
		Active Right, Active Left	240	96.875	LC25	NC
			240	119.5	R15	NC

"A" indicates the Active Passage Door where applicable.

"P" indicates a swinging Passive Door where handle set matches Passage Door.

(1) Maximum performance for panels up to 39" wide when glazed with the appropriate glass thickness.

Those noted as NC are not AAMA/WDMA performance certified.

Custom sized panels in 1/8" increments.

Doors are configured from left to right as viewed from the exterior.

Out-swing doors are shown.

Minimum to Maximum door width dimensions refers to frame to frame dimension.

Contact your local Pella sales representative for more information.



Pella® Reserve™ Contemporary Bifold Door

Design Data – Panel Configurations

Panel Configuration		Passage-Door Handing	Maximum Frame Size (inches)		Performance Class and Grade ¹	
			Frame Width	Frame Height	Out-swing Standard Sill	Out-swing Low Profile & Flush Sill
10-Panel		No passage door	240	96.875	LC25	NC
			240	119.5	R15	NC
		Active Left/Passive Right, Passive Left/Active Right	240	96.875	LC25	NC
			240	119.5	R15	NC
		No passage door	240	96.875	LC25	NC
			240	119.5	R15	NC
		Option of Active/Passive or Passive/Active	240	96.875	LC25	NC
			240	119.5	R15	NC
		No passage door	240	96.875	LC25	NC
			240	119.5	R15	NC
		Option of Active/Passive or Passive/Active	240	96.875	LC25	NC
			240	119.5	R15	NC

"A" indicates the Active Passage Door where applicable.

"P" indicates a swinging Passive Door where handle set matches Passage Door.

(1) Maximum performance for panels up to 39" wide when glazed with the appropriate glass thickness.

Those noted as NC are not AAMA/WDMA performance certified.

Custom sized panels in 1/8" increments.

Doors are configured from left to right as viewed from the exterior.

Out-swing doors are shown.

Minimum to Maximum door width dimensions refers to frame to frame dimension.

Contact your local Pella sales representative for more information.



Detailed Product Description

Frame

- Head and jamb use 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 [pine] [mahogany] [douglas fir], edge-banded on straight members.
- Exterior surfaces are thermally broken clad with aluminum at the head and jambs.
- Wall depth is 4-9/16" with frame depth of 6" (152 mm). Factory-finished jamb extensions available ordered separately from unit and field-applied.
- Sill is [2-5/16" standard profile] [1-1/4" low profile] [flush profile]. Material and finish is thermally broken extruded aluminum.
- Frame width greater than 240" (6 096mm) will receive two (2) pieces for head and two (2) pieces for sill that require splicing during installation.

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].
- Exterior surfaces are clad with extruded aluminum.
- Panel stiles and rails are three-ply construction, randomly finger-jointed blocks laminated with water-resistant glue and veneered on both sides.
- Units over 8' height have panel stiles 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).

Weatherstripping

- Foam leaf seal along jambs, head, and sill of frame.
- Foam leaf seal along astragal.
- Mohair along the head of frame.
- Foam leaf seal along the stiles of panel.
- Bristle rainscreen along bottom of panel.
- Neoprene foam strips between off-set panel hinges.

Glazing System 1

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Urethane-glazed 13/16" dual-seal insulating glass [clear] [obscure [frosted]] [[Advanced] [SunDefense™] [SunDefense+] [AdvancedComfort] [NaturalSun] [NaturalSun+] Low-E [with argon]] [[bronze] [gray] [green] Advanced Low-E with argon].
– or –
- Silicone-glazed 1" triple-pane, dual-seal insulating glass [Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon]].

Exterior

- Aluminum-clad exteriors shall be finished with EnduraClad® protective finish on panels, in a multi-step, baked-on finish.
- Aluminum-clad exterior frame shall be finished in accordance with AAMA 2604 standards.
 - Color is [Standard₂] [Custom₂].
- or –
- Aluminum-clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin on panels, in a multi-step, baked-on finish.
- Aluminum-clad exterior frame shall be finished in accordance with AAMA 2605 standards.
 - Color is [Standard₂] [Custom₂].

Interior

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

Hardware

Hinges

- Doors will have a Top Pivot Hinge, Middle Pivot Hinge and Bottom Pivot Hinge connecting a panel to the jamb where appropriate.
- Doors up to 8' 7/8" frame height will have a top hinge, bottom hinge, and one (1) middle hinge connecting adjacent panels.
- Doors over 8' 7/8" frame height will have a top hinge, bottom hinge, and two (2) middle hinges connecting adjacent panels.
- Finish where hinge barrel faces interior is [baked enamel [White] [Brown] [Black] [Satin Nickel]] [plated [Satin Brass] [Polished Chrome]].
- Finish where hinge barrel faces exterior is [baked enamel [White] [Brown] [Black] [Satin Nickel]] [plated [Satin Brass] [Polished Chrome]].

Passage Door Locks (when applicable)

- 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.
- Active handle set with solid brass handle and keylock with K-keyway cylinder.
- Handle Height at [Typical 36"] [Window reach @ 10.5"] [Greater than 54"] from bottom of panel.

Passage Panel Finish (when applicable)

- Hardware finish is [baked enamel [White] [Champagne] [Brown] [Matte Black]] [PVD High Performance finish [Satin Nickel]] [Oil-Rubbed Bronze] [Distressed Bronze] [Distressed Nickel] [Satin Brass] [Polished Chrome].
- Key cylinder finish is [Stainless Steel] [Matte Black].
- Matching passive handle set style on swinging panel adjacent to passage panel (on applicable configurations) (e.g. 1L-3R has active/passive).

Passive Panel Locks

- Hardware style is Dualpoint Lock Handle (on applicable panels not adjacent to passage panel).
- Handle Height at [Typical @ 36"] [Window reach @ 10.5"] [Greater than 54"] from bottom of panel.
- Mortised multi-point locking systems with shoot-bolts at head and sill will engage simultaneously.

Passive Panel Finish

- Hardware finish is [baked enamel [White] [Brown] [Matte Black]] [plated [Satin Nickel] [Satin Brass] [Polished Chrome]].

Optional Products

Grilles

- Integral Light Technology® Grilles
 - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] square profile that are solid [pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]]₂.
 - Exterior grilles are [5/8"] [7/8"] [1-1/4"] [2"] square profile that are extruded aluminum.
 - Patterns are [Traditional] [Prairie] [Top Row] [Cross].
 - 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-Glass₃
 - 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 Interior color is [White] [Tan₄] [Brown₄] [Putty₄] [Black] [Morning Sky Gray] [Ivory] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₅ is [Standard]₂.

Sensors

- Optional factory-installed integrated security sensors available in door configurations with passage panel. Detects lock or unlock on passage door only, non-window handle height.

(1) Insulating glass with argon is Low-E coated. All other insulating glass is air-filled.

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

(3) Available in clear, Low-E and obscure insulating glass.

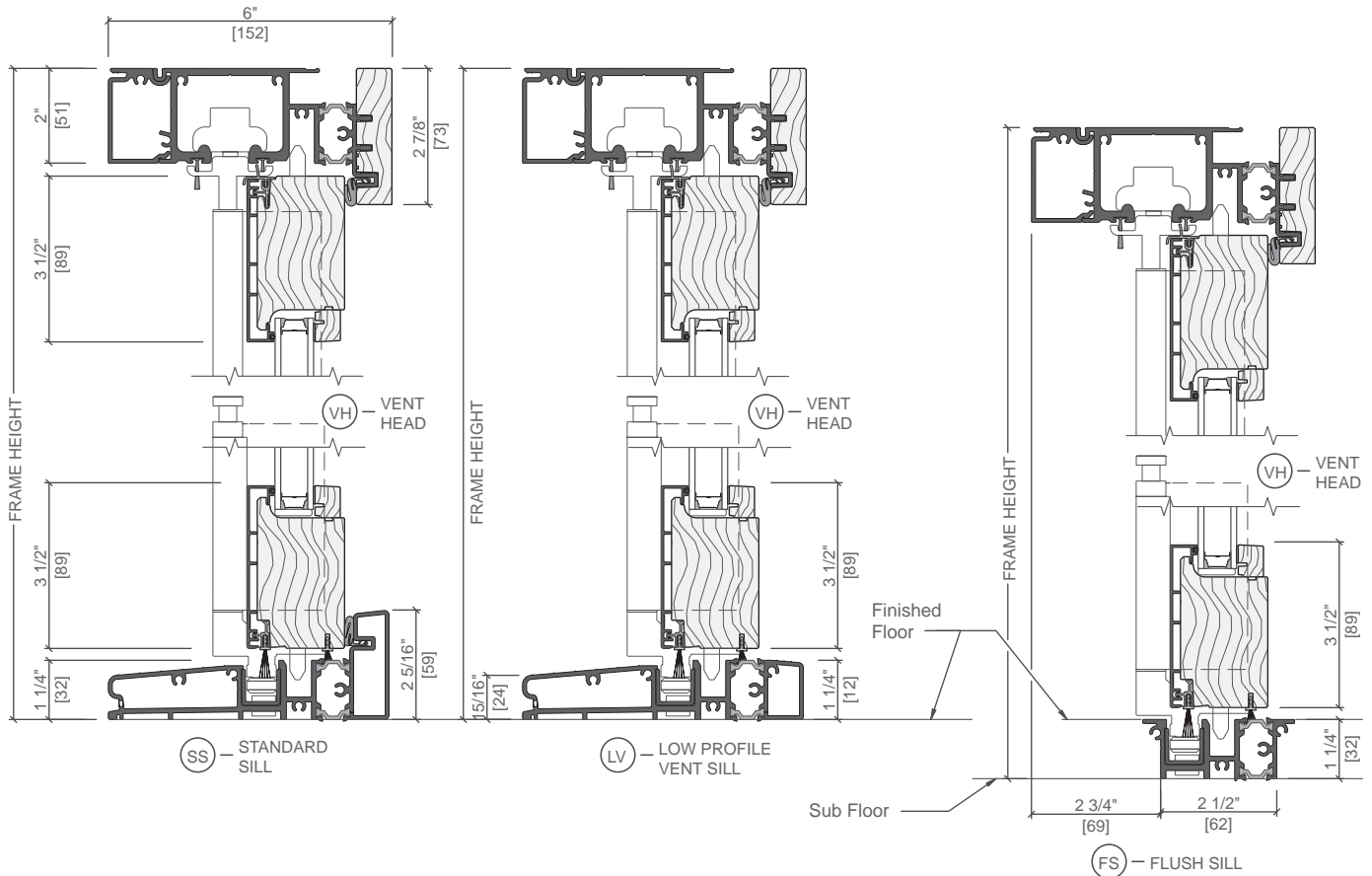
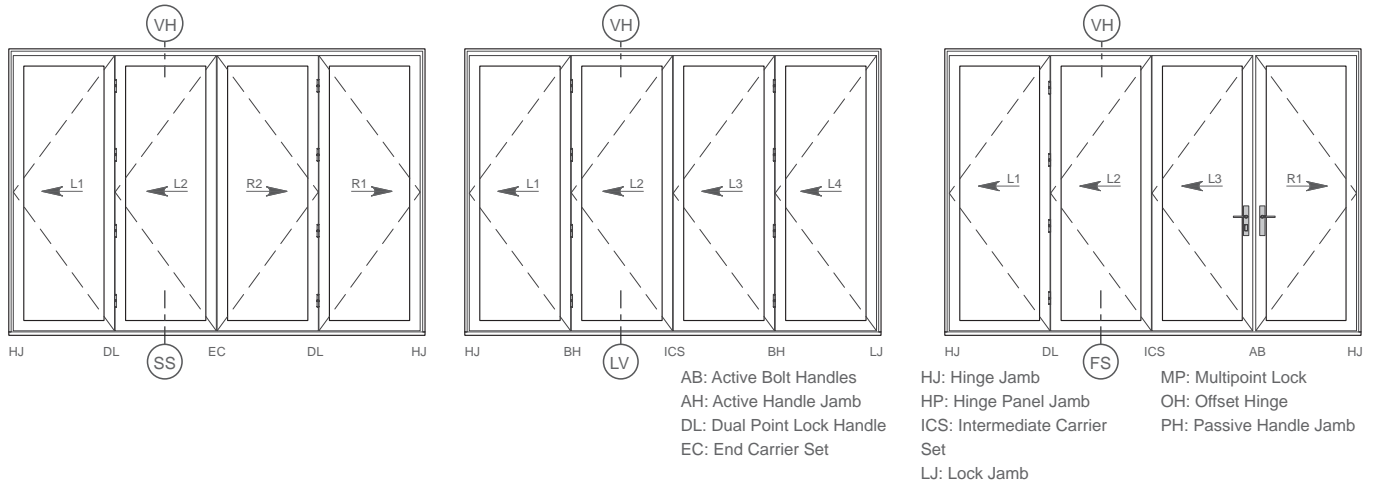
(4) Tan, Brown or Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with Tan or Brown exterior.

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



Pella® Reserve™ Contemporary Bifold Door

Unit Sections – Out-Swing



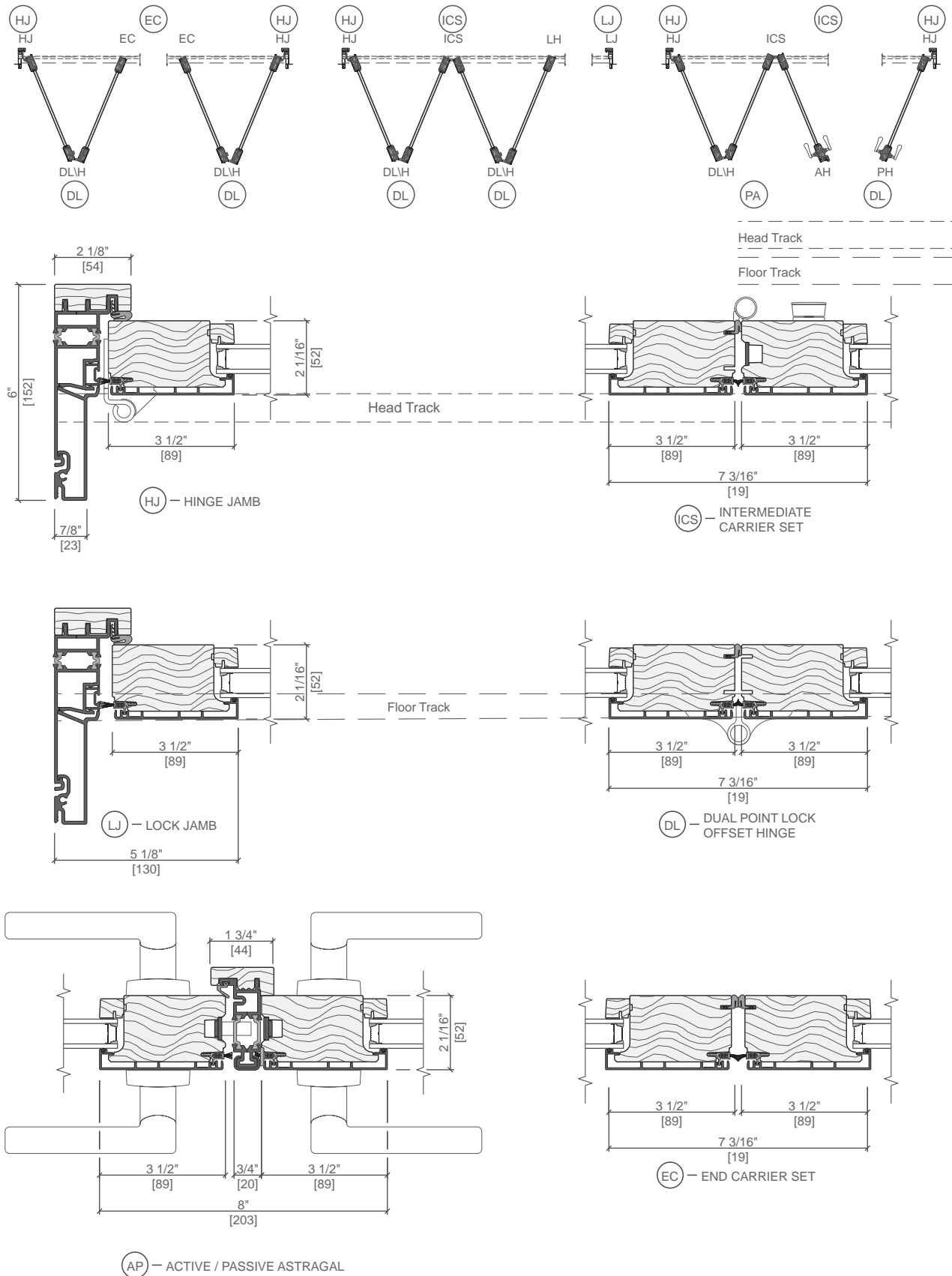
Scale 3" = 1' 0"

All dimensions are approximate. Low Profile and Flush Sills are not rated for water.



Pella® Reserve™ Contemporary Bifold Door

Unit Sections – Out-Swing



Scale 3" = 1' 0"

All dimensions are approximate.