


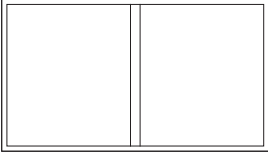
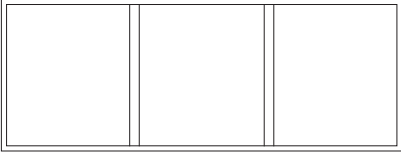
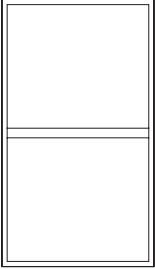
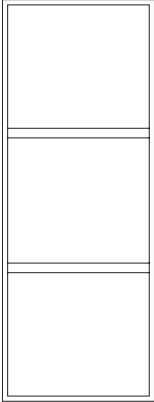
FIXED FRAME DIRECT SET

COMPOSITE ASSEMBLIES



Parameters – Frame Dimension

A composite is a window or door consisting of two or more sashes or panels within a single frame utilizing an integral mullion. For complete information see the product details later in this section.

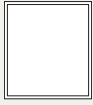
SINGLE UNIT	2-WIDE COMPOSITE WITH INTEGRAL MULLION	3-WIDE COMPOSITE WITH INTEGRAL MULLION
 <p>MINIMUM 11-1/2" W x 11-1/2" H (292 x 292)</p> <p>MAXIMUM 9' 4"(2 743) in any one direction 50 Ft² Maximum</p>	 <p>MINIMUM 1' 11-1/2" W x 11-1/2" H (597 x 292)</p> <p>Maximum 11' 11-1/2" W or 6' 11-1/2" H (3 645 x 2 121) 50 Ft² Maximum</p>	 <p>MINIMUM 2' 11-1/2" W x 11-1/2" H (902 x 292)</p> <p>Maximum 11' 11-1/2" W or 6' 11-1/2" H (3 645 x 2 121) in any one direction 50 Ft² Maximum</p>
2-HIGH COMPOSITE WITH INTEGRAL MULLION	3-HIGH COMPOSITE WITH INTEGRAL MULLION	<p>General Notes:</p> <ul style="list-style-type: none"> • To convert areas to square meters (m²), multiply square feet by 0.0929. • Rough Opening = Frame Dimension + 1/2". • Keep frame dimensions to the nearest 1/8" increment
 <p>MINIMUM 11-1/2" W x 1' 11-1/2" H (292 x 597)</p> <p>Maximum 6' 11-1/2" W or 11' 11-1/2" H (2 121 x 3 645) 50 Ft² Maximum</p>	 <p>MINIMUM 11-1/2" W x 2' 11-1/2" H (292 x 902)</p> <p>Maximum 6' 11-1/2" W or 11' 11-1/2" H (2 121 x 3 645) 50 Ft² Maximum</p>	

Miscellaneous Glass Formulas

	ACTUAL GLASS		VISIBLE GLASS	
	Width	Height	Width	Height
SINGLE UNITS	Frame Width - 2"	Frame Height - 2"	Frame Width - 3-1/4"	Frame Height - 3-1/4"

Note: Composite units with Integral Mullions are not AAMA/WDMA performance certified Pella Impervia composites are engineered to meet the performance class and grade shown in the Design Data tables.

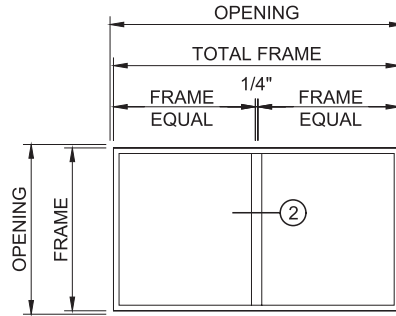
When ordering and sizing composites, use overall frame/rough opening dimension.



FIXED FRAME DIRECT SET

COMPOSITE CONFIGURATIONS

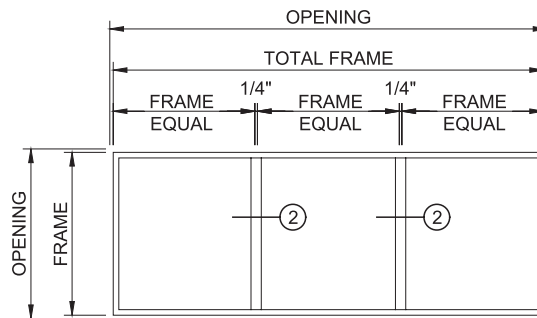
Special Size Chart
2- and 3-Wide



② 2-Wide Fixed Frame with Integral Mullion

2-Wide Fixed Frame Direct Set Dimensions

	OPENING WIDTH		OPENING HEIGHT		FRAME WIDTH		FRAME HEIGHT	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
OVERALL COMPOSITE ¹	2'	12'	1'	7'	1' 11-1/2"	11' 11-1/2"	11-1/2"	6' 11-1/2"



② 3-Wide Fixed Frame with Integral Mullion

3-Wide Fixed Frame Direct Set Dimensions

	OPENING WIDTH		OPENING HEIGHT		FRAME WIDTH		FRAME HEIGHT	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
OVERALL COMPOSITE ¹	3'	12'	1'	7'	2' 11-1/2"	11' 11-1/2"	11-1/2"	6' 11-1/2"

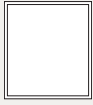
(1) Keep frame dimensions to nearest 1/8" increments.

Check mullion reinforcing tables in this section to determine design pressure limitation of integral mullion for desired frame sizes. See the Combinations section for structural limitations when mulling combinations.

Maximum composite frame size should be no more than 50 sq. ft.

Composite units are not AAMA/WDMA performance certified. Pella Impervia composites are engineered to meet performance class and grade shown in the design data tables.

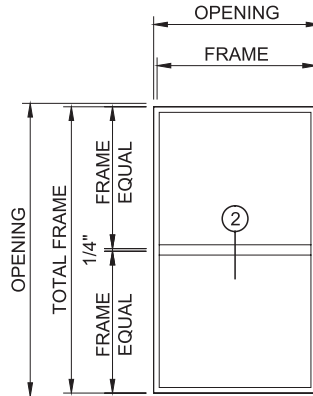
When ordering and sizing composites, use overall frame/rough opening dimension.



FIXED FRAME DIRECT SET

COMPOSITE CONFIGURATIONS

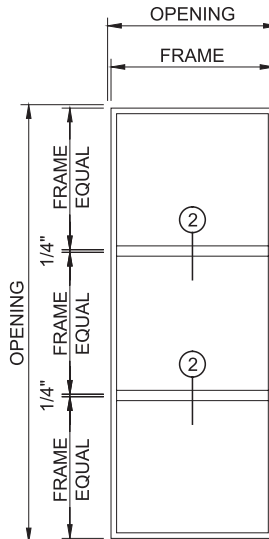
Special Size Chart
2- and 3-High



② 2-High Fixed with Integral Mullion

2-High Fixed Frame Direct Set Dimensions

	OPENING WIDTH		OPENING HEIGHT		FRAME WIDTH		FRAME HEIGHT	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
OVERALL COMPOSITE 1	1'	7'	2'	12'	11-1/2"	6' 11-1/2"	1' 11-1/2"	11' 11-1/2"



② 3-High Fixed with Integral Mullion

3-High Fixed Frame Direct Set Dimensions

	OPENING WIDTH		OPENING HEIGHT		FRAME WIDTH		FRAME HEIGHT	
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
OVERALL COMPOSITE 1	1'	7'	3'	12'	11-1/2"	6' 11-1/2"	2' 11-1/2"	11' 11-1/2"

(1) Keep frame dimensions to nearest 1/8" increments.

Check mullion reinforcing tables in this section to determine design pressure limitation of integral mullion for desired frame sizes. See the Combinations section for structural limitations when mulling combinations.

Maximum composite frame size should be no more than 50 sq. ft.

Composite units are not AAMA/WDMA performance certified. Pella Impervia composites are engineered to meet performance class and grade shown in the design data tables.

When ordering and sizing composites, use overall frame/rough opening dimension.