

Contractor
Contractor
Size & Style Guide
Contractor

Effective Date - March 1, 2011



 **SIMONTON**
ProFinish[®]
New Construction Windows and Doors

Stock Size

Single Hung & Picture - Vinyl Stock Sizes 2-3
 Single Hung & Picture - Wood Stock Sizes 4-5
 Double Hung & Picture - Vinyl Stock Sizes 6-7
 Double Hung & Picture - Wood Stock Sizes 8-9
 Single Slider10
 3-lite Slider.....10
 Casement & Fixed Unit - Vinyl Stock Sizes11
 Casement & Fixed Unit Stock Sizes12
 Awning - Vinyl Stock Sizes.....13
 Awning Stock Sizes13
 Fixed Units - Vinyl Stock Sizes.....14
 Fixed Units Stock Sizes14
 Picture - Vinyl Stock Sizes.....15
 Picture - Wood Stock Sizes.....16
 Half-round - Vinyl Stock Sizes17
 Half-round - Wood Stock Sizes17
 Quarter-round - Vinyl Stock Sizes17
 Quarter-round - Wood Stock Sizes17
 Circle Stock Sizes17
 Patio Door17
 Sidelite17
 Transom.....17

Styles & Sizes

Single Hung - Vinyl Stock Sizes.....18
 Single Hung - Wood Stock Sizes.....19
 Double Hung - Vinyl Stock Sizes20
 Double Hung - Wood Stock Sizes21
 Single Slider22
 3-lite Slider.....22
 Casement - Vinyl Stock Sizes.....23
 Awning - Vinyl Stock Sizes.....23
 Fixed Unit for Casements & Awnings – Vinyl Stock Sizes24
 Vent Casement25
 Awning.....25
 Square Vent Casement.....25
 Fixed Unit.....26
 Picture – Vinyl Stock Sizes27
 Picture – Wood Stock Sizes28
 Patio Door29
 Sidelite29
 Transom.....29

Standard Hardware Guide

Single Hung - Vinyl Stock Sizes..... 30-31
 Single Hung - Wood Stock Sizes..... 32-33
 Double Hung - Vinyl Stock Sizes 34-35
 Double Hung - Wood Stock Sizes 36-37
 Single Slider38
 3-lite Slider (1/3-1/3-1/3)39
 3-lite Slider (1/4-1/2-1/4)39
 Casement - Vinyl Stock Sizes.....40
 Casement41

Daylight Opening Information

Single Hung - Vinyl Stock Sizes..... 42-43
 Single Hung - Wood Stock Sizes..... 44-45
 Double Hung - Vinyl Stock Sizes 46-47
 Double Hung - Wood Stock Sizes 48-49
 Single Slider50
 3-lite Slider.....50



Casement - Vinyl Stock Sizes.....51
 Casement52
 Awning - Vinyl Stock Sizes.....53
 Awning.....53
 Fixed Unit - Vinyl Stock Sizes54
 Fixed Unit.....55
 Picture - Vinyl Stock Sizes 56-57
 Picture - Wood Stock Sizes..... 58-59

Minimum and Maximum Sizes

Contractor Single Hung60
 Contractor Single Hung (Oriel).....60
 Contractor Double Hung60
 Contractor Single Slider61
 Contractor 3-lite Slider (1/3-1/3-1/3).....61
 Contractor 3-lite Slider (1/4-1/2-1/4).....61
 Contractor Casement62
 Contractor Awning62
 Contractor Fixed Unit.....62
 Contractor Picture62

Architectural Details

Contractor Single Hung (Horizontal/Vertical Assembly)63
 Contractor Double Hung (Horizontal/Vertical Assembly)63
 Contractor Single Hung (T-mullion Horizontal Assembly).....64
 Contractor Double Hung (T-mullion Horizontal Assembly).....64
 Contractor Picture (Horizontal/Vertical Assembly).....64
 Contractor Single/3-lite Slider (Horizontal Assembly)65
 Contractor 3-lite Slider (Horizontal Assembly).....65
 Contractor Single/3-lite Slider (Vertical Assembly)65
 Contractor Casement and Awning (Horizontal/Vertical Assembly) ..66
 Contractor Casement and Awning (T-mull Horizontal Assembly)....66
 Contractor Patio Door (Horizontal/Vertical Assembly)67
 Contractor 3-lite Patio Door (Horizontal Assembly)67
 Contractor Sidelite (Horizontal/Vertical Assembly)68
 Contractor Transom (Horizontal/Vertical Assembly).....68
 Contractor Double Hung (2 x 4 Brick Veneer Assembly)69
 Contractor Double Hung (Dryvit Veneer Assembly)69
 Contractor Double Hung (2 x 4 Wood Siding Assembly)70
 Contractor Double Hung (2 x 6 Wood Siding Assembly)70
 Contractor Double Hung (Cement Stucco Assembly).....71

Testing Data

Thermal Performance (with no grids) 72-77
 Thermal Performance (with grids) 78-83
 Structural Performance 84-85

SINGLE HUNG & PICTURE WINDOWS
Single Hung – Wood Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
18210W	21 1/2 x 36 1/2	22 x 37	44 x 37	66 x 37
1832W	21 1/2 x 40 1/2	22 x 41	44 x 41	66 x 41
18310W	21 1/2 x 48 1/2	22 x 49	44 x 49	66 x 49
1842W	21 1/2 x 52 1/2	22 x 53	44 x 53	66 x 53
1846W	21 1/2 x 56 1/2	22 x 57	44 x 57	66 x 57
1849W	21 1/2 x 59 1/2	22 x 60	44 x 60	66 x 60
1852W	21 1/2 x 64 1/2	22 x 65	44 x 65	66 x 65
1856W	21 1/2 x 68 1/2	22 x 69	44 x 69	66 x 69
1862W	21 1/2 x 76 1/2	22 x 77	44 x 77	66 x 77
20210W	25 1/2 x 36 1/2	26 x 37	52 x 37	78 x 37
2032W	25 1/2 x 40 1/2	26 x 41	52 x 41	78 x 41
20310W	25 1/2 x 48 1/2	26 x 49	52 x 49	78 x 49
2042W	25 1/2 x 52 1/2	26 x 53	52 x 53	78 x 53
2046W	25 1/2 x 56 1/2	26 x 57	52 x 57	78 x 57
2049W	25 1/2 x 59 1/2	26 x 60	52 x 60	78 x 60
2052W	25 1/2 x 64 1/2	26 x 65	52 x 65	78 x 65
2056W	25 1/2 x 68 1/2	26 x 69	52 x 69	78 x 69
2062W	25 1/2 x 76 1/2	26 x 77	52 x 77	78 x 77
24210W	29 1/2 x 36 1/2	30 x 37	60 x 37	90 x 37
2432W	29 1/2 x 40 1/2	30 x 41	60 x 41	90 x 41
24310W	29 1/2 x 48 1/2	30 x 49	60 x 49	90 x 49
2442W	29 1/2 x 52 1/2	30 x 53	60 x 53	90 x 53
2446W	29 1/2 x 56 1/2	30 x 57	60 x 57	90 x 57
2449W	29 1/2 x 59 1/2	30 x 60	60 x 60	90 x 60
2452W	29 1/2 x 64 1/2	30 x 65	60 x 65	90 x 65
2456W	29 1/2 x 68 1/2	30 x 69	60 x 69	90 x 69
2462W	29 1/2 x 76 1/2	30 x 77	60 x 77	90 x 77
28210W	33 1/2 x 36 1/2	34 x 37	68 x 37	102 x 37
2832W	33 1/2 x 40 1/2	34 x 41	68 x 41	102 x 41
28310W	33 1/2 x 48 1/2	34 x 49	68 x 49	102 x 49
2842W	33 1/2 x 52 1/2	34 x 53	68 x 53	102 x 53
2846W	33 1/2 x 56 1/2	34 x 57	68 x 57	102 x 57
2849W	33 1/2 x 59 1/2	34 x 60	68 x 60	102 x 60
2852W	33 1/2 x 64 1/2	34 x 65	68 x 65	102 x 65
2856W	33 1/2 x 68 1/2	34 x 69	68 x 69	102 x 69
2862W	33 1/2 x 76 1/2	34 x 77	68 x 77	102 x 77

Picture – Wood Stock Sizes

Stock Sizes	Rough Opening
18210W	22 x 37
1832W	22 x 41
18310W	22 x 49
1842W	22 x 53
1846W	22 x 57
1849W	22 x 60
1852W	22 x 65
1856W	22 x 69
1862W	22 x 77
20210W	26 x 37
2032W	26 x 41
20310W	26 x 49
2042W	26 x 53
2046W	26 x 57
2049W	26 x 60
2052W	26 x 65
2056W	26 x 69
2062W	26 x 77
24210W	30 x 37
2432W	30 x 41
24310W	30 x 49
2442W	30 x 53
2446W	30 x 57
2449W	30 x 60
2452W	30 x 65
2456W	30 x 69
2462W	30 x 77
28210W	34 x 37
2832W	34 x 41
28310W	34 x 49
2842W	34 x 53
2846W	34 x 57
2849W	34 x 60
2852W	34 x 65
2856W	34 x 69
2862W	34 x 77

Wood Stock Sizes continued on page 5.

SINGLE HUNG & PICTURE WINDOWS

Wood Stock Sizes continued from page 4.

Single Hung – Wood Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
30210W	37 1/2 x 36 1/2	38 x 37	76 x 37	114 x 37
3032W	37 1/2 x 40 1/2	38 x 41	76 x 41	114 x 41
30310W	37 1/2 x 48 1/2	38 x 49	76 x 49	114 x 49
3042W	37 1/2 x 52 1/2	38 x 53	76 x 53	114 x 53
3046W	37 1/2 x 56 1/2	38 x 57	76 x 57	114 x 57
3049W	37 1/2 x 59 1/2	38 x 60	76 x 60	114 x 60
3052W	37 1/2 x 64 1/2	38 x 65	76 x 65	114 x 65
3056W	37 1/2 x 68 1/2	38 x 69	76 x 69	114 x 69
3062W	37 1/2 x 76 1/2	38 x 77	76 x 77	114 x 77
34210W	41 1/2 x 36 1/2	42 x 37	84 x 37	126 x 37
3432W	41 1/2 x 40 1/2	42 x 41	84 x 41	126 x 41
34310W	41 1/2 x 48 1/2	42 x 49	84 x 49	126 x 49
3442W	41 1/2 x 52 1/2	42 x 53	84 x 53	126 x 53
3446W	41 1/2 x 56 1/2	42 x 57	84 x 57	126 x 57
3449W	41 1/2 x 59 1/2	42 x 60	84 x 60	126 x 60
3452W	41 1/2 x 64 1/2	42 x 65	84 x 65	126 x 65
3456W	41 1/2 x 68 1/2	42 x 69	84 x 69	126 x 69
3462W	41 1/2 x 76 1/2	42 x 77	84 x 77	126 x 77
38210W	45 1/2 x 36 1/2	46 x 37	92 x 37	138 x 37
3832W	45 1/2 x 40 1/2	46 x 41	92 x 41	138 x 41
38310W	45 1/2 x 48 1/2	46 x 49	92 x 49	138 x 49
3842W	45 1/2 x 52 1/2	46 x 53	92 x 53	138 x 53
3846W	45 1/2 x 56 1/2	46 x 57	92 x 57	138 x 57
3849W	45 1/2 x 59 1/2	46 x 60	92 x 60	138 x 60
3852W	45 1/2 x 64 1/2	46 x 65	92 x 65	138 x 65
3856W	45 1/2 x 68 1/2	46 x 69	92 x 69	138 x 69
3862W	45 1/2 x 76 1/2	46 x 77	92 x 77	138 x 77

Picture – Wood Stock Sizes

Stock Sizes	Rough Opening
30210W	38 x 37
3032W	38 x 41
30310W	38 x 49
3042W	38 x 53
3046W	38 x 57
3049W	38 x 60
3052W	38 x 65
3056W	38 x 69
3062W	38 x 77
34210W	42 x 37
3432W	42 x 41
34310W	42 x 49
3442W	42 x 53
3446W	42 x 57
3449W	42 x 60
3452W	42 x 65
3456W	42 x 69
3462W	42 x 77
38210W	46 x 37
3832W	46 x 41
38310W	46 x 49
3842W	46 x 53
3846W	46 x 57
3849W	46 x 60
3852W	46 x 65
3856W	46 x 69
3862W	46 x 77

Rough Openings for multiple, same-sized Single Hungs and/or Pictures can be calculated by multiplying the single unit rough opening width by the number of units.

Note: When ordering multiple units, you must order the individual windows and specify muller. You can't order by overall rough opening size.

DOUBLE HUNG & PICTURE WINDOWS
Double Hung – Wood Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
18210W	21 1/2 x 36 1/2	22 x 37	44 x 37	66 x 37
1832W	21 1/2 x 40 1/2	22 x 41	44 x 41	66 x 41
18310W	21 1/2 x 48 1/2	22 x 49	44 x 49	66 x 49
1842W	21 1/2 x 52 1/2	22 x 53	44 x 53	66 x 53
1846W	21 1/2 x 56 1/2	22 x 57	44 x 57	66 x 57
1849W	21 1/2 x 59 1/2	22 x 60	44 x 60	66 x 60
1852W	21 1/2 x 64 1/2	22 x 65	44 x 65	66 x 65
1856W	21 1/2 x 68 1/2	22 x 69	44 x 69	66 x 69
1862W	21 1/2 x 76 1/2	22 x 77	44 x 77	66 x 77
20210W	25 1/2 x 36 1/2	26 x 37	52 x 37	78 x 37
2032W	25 1/2 x 40 1/2	26 x 41	52 x 41	78 x 41
20310W	25 1/2 x 48 1/2	26 x 49	52 x 49	78 x 49
2042W	25 1/2 x 52 1/2	26 x 53	52 x 53	78 x 53
2046W	25 1/2 x 56 1/2	26 x 57	52 x 57	78 x 57
2049W	25 1/2 x 59 1/2	26 x 60	52 x 60	78 x 60
2052W	25 1/2 x 64 1/2	26 x 65	52 x 65	78 x 65
2056W	25 1/2 x 68 1/2	26 x 69	52 x 69	78 x 69
2062W	25 1/2 x 76 1/2	26 x 77	52 x 77	78 x 77
24210W	29 1/2 x 36 1/2	30 x 37	60 x 37	90 x 37
2432W	29 1/2 x 40 1/2	30 x 41	60 x 41	90 x 41
24310W	29 1/2 x 48 1/2	30 x 49	60 x 49	90 x 49
2442W	29 1/2 x 52 1/2	30 x 53	60 x 53	90 x 53
2446W	29 1/2 x 56 1/2	30 x 57	60 x 57	90 x 57
2449W	29 1/2 x 59 1/2	30 x 60	60 x 60	90 x 60
2452W	29 1/2 x 64 1/2	30 x 65	60 x 65	90 x 65
2456W	29 1/2 x 68 1/2	30 x 69	60 x 69	90 x 69
2462W	29 1/2 x 76 1/2	30 x 77	60 x 77	90 x 77
28210W	33 1/2 x 36 1/2	34 x 37	68 x 37	102 x 37
2832W	33 1/2 x 40 1/2	34 x 41	68 x 41	102 x 41
28310W	33 1/2 x 48 1/2	34 x 49	68 x 49	102 x 49
2842W	33 1/2 x 52 1/2	34 x 53	68 x 53	102 x 53
2846W	33 1/2 x 56 1/2	34 x 57	68 x 57	102 x 57
2849W	33 1/2 x 59 1/2	34 x 60	68 x 60	102 x 60
2852W	33 1/2 x 64 1/2	34 x 65	68 x 65	102 x 65
2856W	33 1/2 x 68 1/2	34 x 69	68 x 69	102 x 69
2862W	33 1/2 x 76 1/2	34 x 77	68 x 77	102 x 77

Picture – Wood Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening
18210W	21 1/2 x 36 1/2	22 x 37
1832W	21 1/2 x 40 1/2	22 x 41
18310W	21 1/2 x 48 1/2	22 x 49
1842W	21 1/2 x 52 1/2	22 x 53
1846W	21 1/2 x 56 1/2	22 x 57
1849W	21 1/2 x 59 1/2	22 x 60
1852W	21 1/2 x 64 1/2	22 x 65
1856W	21 1/2 x 68 1/2	22 x 69
1862W	21 1/2 x 76 1/2	22 x 77
20210W	25 1/2 x 36 1/2	26 x 37
2032W	25 1/2 x 40 1/2	26 x 41
20310W	25 1/2 x 48 1/2	26 x 49
2042W	25 1/2 x 52 1/2	26 x 53
2046W	25 1/2 x 56 1/2	26 x 57
2049W	25 1/2 x 59 1/2	26 x 60
2052W	25 1/2 x 64 1/2	26 x 65
2056W	25 1/2 x 68 1/2	26 x 69
2062W	25 1/2 x 76 1/2	26 x 77
24210W	29 1/2 x 36 1/2	30 x 37
2432W	29 1/2 x 40 1/2	30 x 41
24310W	29 1/2 x 48 1/2	30 x 49
2442W	29 1/2 x 52 1/2	30 x 53
2446W	29 1/2 x 56 1/2	30 x 57
2449W	29 1/2 x 59 1/2	30 x 60
2452W	29 1/2 x 64 1/2	30 x 65
2456W	29 1/2 x 68 1/2	30 x 69
2462W	29 1/2 x 76 1/2	30 x 77
28210W	33 1/2 x 36 1/2	34 x 37
2832W	33 1/2 x 40 1/2	34 x 41
28310W	33 1/2 x 48 1/2	34 x 49
2842W	33 1/2 x 52 1/2	34 x 53
2846W	33 1/2 x 56 1/2	34 x 57
2849W	33 1/2 x 59 1/2	34 x 60
2852W	33 1/2 x 64 1/2	34 x 65
2856W	33 1/2 x 68 1/2	34 x 69
2862W	33 1/2 x 76 1/2	34 x 77

Wood Stock Sizes continued on page 9.

DOUBLE HUNG & PICTURE WINDOWS

Wood Stock Sizes continued from page 8.

Double Hung – Wood Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
30210W	37 1/2 x 36 1/2	38 x 37	76 x 37	114 x 37
3032W	37 1/2 x 40 1/2	38 x 41	76 x 41	114 x 41
30310W	37 1/2 x 48 1/2	38 x 49	76 x 49	114 x 49
3042W	37 1/2 x 52 1/2	38 x 53	76 x 53	114 x 53
3046W	37 1/2 x 56 1/2	38 x 57	76 x 57	114 x 57
3049W	37 1/2 x 59 1/2	38 x 60	76 x 60	114 x 60
3052W	37 1/2 x 64 1/2	38 x 65	76 x 65	114 x 65
3056W	37 1/2 x 68 1/2	38 x 69	76 x 69	114 x 69
3062W	37 1/2 x 76 1/2	38 x 77	76 x 77	114 x 77
34210W	41 1/2 x 36 1/2	42 x 37	84 x 37	126 x 37
3432W	41 1/2 x 40 1/2	42 x 41	84 x 41	126 x 41
34310W	41 1/2 x 48 1/2	42 x 49	84 x 49	126 x 49
3442W	41 1/2 x 52 1/2	42 x 53	84 x 53	126 x 53
3446W	41 1/2 x 56 1/2	42 x 57	84 x 57	126 x 57
3449W	41 1/2 x 59 1/2	42 x 60	84 x 60	126 x 60
3452W	41 1/2 x 64 1/2	42 x 65	84 x 65	126 x 65
3456W	41 1/2 x 68 1/2	42 x 69	84 x 69	126 x 69
3462W	41 1/2 x 76 1/2	42 x 77	84 x 77	126 x 77
38210W	45 1/2 x 36 1/2	46 x 37	92 x 37	138 x 37
3832W	45 1/2 x 40 1/2	46 x 41	92 x 41	138 x 41
38310W	45 1/2 x 48 1/2	46 x 49	92 x 49	138 x 49
3842W	45 1/2 x 52 1/2	46 x 53	92 x 53	138 x 53
3846W	45 1/2 x 56 1/2	46 x 57	92 x 57	138 x 57
3849W	45 1/2 x 59 1/2	46 x 60	92 x 60	138 x 60
3852W	45 1/2 x 64 1/2	46 x 65	92 x 65	138 x 65
3856W	45 1/2 x 68 1/2	46 x 69	92 x 69	138 x 69
3862W	45 1/2 x 76 1/2	46 x 77	92 x 77	138 x 77

Picture – Wood Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening
30210W	37 1/2 x 36 1/2	38 x 37
3032W	37 1/2 x 40 1/2	38 x 41
30310W	37 1/2 x 48 1/2	38 x 49
3042W	37 1/2 x 52 1/2	38 x 53
3046W	37 1/2 x 56 1/2	38 x 57
3049W	37 1/2 x 59 1/2	38 x 60
3052W	37 1/2 x 64 1/2	38 x 65
3056W	37 1/2 x 68 1/2	38 x 69
3062W	37 1/2 x 76 1/2	38 x 77
34210W	41 1/2 x 36 1/2	42 x 37
3432W	41 1/2 x 40 1/2	42 x 41
34310W	41 1/2 x 48 1/2	42 x 49
3442W	41 1/2 x 52 1/2	42 x 53
3446W	41 1/2 x 56 1/2	42 x 57
3449W	41 1/2 x 59 1/2	42 x 60
3452W	41 1/2 x 64 1/2	42 x 65
3456W	41 1/2 x 68 1/2	42 x 69
3462W	41 1/2 x 76 1/2	42 x 77
38210W	45 1/2 x 36 1/2	46 x 37
3832W	45 1/2 x 40 1/2	46 x 41
38310W	45 1/2 x 48 1/2	46 x 49
3842W	45 1/2 x 52 1/2	46 x 53
3846W	45 1/2 x 56 1/2	46 x 57
3849W	45 1/2 x 59 1/2	46 x 60
3852W	45 1/2 x 64 1/2	46 x 65
3856W	45 1/2 x 68 1/2	46 x 69
3862W	45 1/2 x 76 1/2	46 x 77

Rough Openings for multiple, same-sized Double Hungs and/or Pictures can be calculated by multiplying the single unit rough opening width by the number of units.

Note: When ordering multiple units, you must order the individual windows and specify muller. You can't order by overall rough opening size.

SLIDER WINDOWS
Single Slider

Stock Sizes	Unit Dimension	Rough Opening
2020	23 1/2 x 23 1/2	24 x 24
2030	23 1/2 x 35 1/2	24 x 36
3020	35 1/2 x 23 1/2	36 x 24
3030	35 1/2 x 35 1/2	36 x 36
3040	35 1/2 x 47 1/2	36 x 48
3050	35 1/2 x 59 1/2	36 x 60
4020	47 1/2 x 23 1/2	48 x 24
4030	47 1/2 x 35 1/2	48 x 36
4040	47 1/2 x 47 1/2	48 x 48
4050	47 1/2 x 59 1/2	48 x 60
4120	48 1/2 x 23 1/2	49 x 24
4130	48 1/2 x 35 1/2	49 x 36
4140	48 1/2 x 47 1/2	49 x 48
4150	48 1/2 x 59 1/2	49 x 60
5020	59 1/2 x 23 1/2	60 x 24
5030	59 1/2 x 35 1/2	60 x 36
5040	59 1/2 x 47 1/2	60 x 48
5050	59 1/2 x 59 1/2	60 x 60
6020	71 1/2 x 23 1/2	72 x 24
6030	71 1/2 x 35 1/2	72 x 36
6040	71 1/2 x 47 1/2	72 x 48
6050	71 1/2 x 59 1/2	72 x 60

3-lite Slider

Stock Sizes	Unit Dimension	Rough Opening
6030	71 1/2 x 35 1/2	72 x 36
6040	71 1/2 x 47 1/2	72 x 48
6050	71 1/2 x 59 1/2	72 x 60
7030	83 1/2 x 35 1/2	84 x 36
7040	83 1/2 x 47 1/2	84 x 48
7050	83 1/2 x 59 1/2	84 x 60
8030	95 1/2 x 35 1/2	96 x 36
8040	95 1/2 x 47 1/2	96 x 48
8050	95 1/2 x 59 1/2	96 x 60
9030	107 1/2 x 35 1/2	108 x 36
9040	107 1/2 x 47 1/2	108 x 48
9050	107 1/2 x 59 1/2	108 x 60

Note: When ordering multiple units, you must order the individual windows and specify muller. You can't order by overall rough opening size.

CASEMENT WINDOWS

Casement – Vinyl Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple	Rough Opening Quad
1616	17 1/2 x 17 1/2	18 x 18	36 x 18	54 x 18	72 x 18
1620	17 1/2 x 23 1/2	18 x 24	36 x 24	54 x 24	72 x 24
1626	17 1/2 x 29 1/2	18 x 30	36 x 30	54 x 30	72 x 30
1630	17 1/2 x 35 1/2	18 x 36	36 x 36	54 x 36	72 x 36
1638	17 1/2 x 43 1/2	18 x 44	36 x 44	54 x 44	72 x 44
1640	17 1/2 x 47 1/2	18 x 48	36 x 48	54 x 48	72 x 48
1650	17 1/2 x 59 1/2	18 x 60	36 x 60	54 x 60	72 x 60
1660	17 1/2 x 71 1/2	18 x 72	36 x 72	54 x 72	72 x 72
2020	23 1/2 x 23 1/2	24 x 24	48 x 24	72 x 24	96 x 24
2026	23 1/2 x 29 1/2	24 x 30	48 x 30	72 x 30	96 x 30
2030	23 1/2 x 35 1/2	24 x 36	48 x 36	72 x 36	96 x 36
2038	23 1/2 x 43 1/2	24 x 44	48 x 44	72 x 44	96 x 44
2040	23 1/2 x 47 1/2	24 x 48	48 x 48	72 x 48	96 x 48
2050	23 1/2 x 59 1/2	24 x 60	48 x 60	72 x 60	96 x 60
2060	23 1/2 x 71 1/2	24 x 72	48 x 72	72 x 72	96 x 72
2424	27 1/2 x 27 1/2	28 x 28	56 x 28	84 x 28	112 x 28
2426	27 1/2 x 29 1/2	28 x 30	56 x 30	84 x 30	112 x 30
2430	27 1/2 x 35 1/2	28 x 36	56 x 36	84 x 36	112 x 36
2438	27 1/2 x 43 1/2	28 x 44	56 x 44	84 x 44	112 x 44
2440	27 1/2 x 47 1/2	28 x 48	56 x 48	84 x 48	112 x 48
2450	27 1/2 x 59 1/2	28 x 60	56 x 60	84 x 60	112 x 60
2460	27 1/2 x 71 1/2	28 x 72	56 x 72	84 x 72	112 x 72
2828	31 1/2 x 31 1/2	32 x 32	64 x 32	96 x 32	128 x 32
2830	31 1/2 x 35 1/2	32 x 36	64 x 36	96 x 36	128 x 36
2838	31 1/2 x 43 1/2	32 x 44	64 x 44	96 x 44	128 x 44
2840	31 1/2 x 47 1/2	32 x 48	64 x 48	96 x 48	128 x 48
2850	31 1/2 x 59 1/2	32 x 60	64 x 60	96 x 60	128 x 60
2860	31 1/2 x 71 1/2	32 x 72	64 x 72	96 x 72	128 x 72
3030	35 1/2 x 35 1/2	36 x 36	72 x 36	108 x 36	144 x 36
3038	35 1/2 x 43 1/2	36 x 44	72 x 44	108 x 44	144 x 44
3040	35 1/2 x 47 1/2	36 x 48	72 x 48	108 x 48	144 x 48
3050	35 1/2 x 59 1/2	36 x 60	72 x 60	108 x 60	144 x 60
3060	35 1/2 x 71 1/2	36 x 72	72 x 72	108 x 72	144 x 72

Fixed Units

Stock Sizes	Unit Dimension	Rough Opening
1616	17 1/2 x 17 1/2	18 x 18
1620	17 1/2 x 23 1/2	18 x 24
1626	17 1/2 x 29 1/2	18 x 30
1630	17 1/2 x 35 1/2	18 x 36
1638	17 1/2 x 43 1/2	18 x 44
1640	17 1/2 x 47 1/2	18 x 48
1650	17 1/2 x 59 1/2	18 x 60
1660	17 1/2 x 71 1/2	18 x 72
2020	23 1/2 x 23 1/2	24 x 24
2026	23 1/2 x 29 1/2	24 x 30
2030	23 1/2 x 35 1/2	24 x 36
2038	23 1/2 x 43 1/2	24 x 44
2040	23 1/2 x 47 1/2	24 x 48
2050	23 1/2 x 59 1/2	24 x 60
2060	23 1/2 x 71 1/2	24 x 72
2424	27 1/2 x 27 1/2	28 x 28
2426	27 1/2 x 29 1/2	28 x 30
2430	27 1/2 x 35 1/2	28 x 36
2438	27 1/2 x 43 1/2	28 x 44
N/A	N/A	N/A
2450	27 1/2 x 59 1/2	28 x 60
2460	27 1/2 x 71 1/2	28 x 72
2828	31 1/2 x 31 1/2	32 x 32
2830	31 1/2 x 35 1/2	32 x 36
2838	31 1/2 x 43 1/2	32 x 44
2840	31 1/2 x 47 1/2	32 x 48
2850	31 1/2 x 59 1/2	32 x 60
2860	31 1/2 x 71 1/2	32 x 72
3030	35 1/2 x 35 1/2	36 x 36
3038	35 1/2 x 43 1/2	36 x 44
3040	35 1/2 x 47 1/2	36 x 48
3050	35 1/2 x 59 1/2	36 x 60
3060	35 1/2 x 71 1/2	36 x 72

Rough Openings for multiple, same-sized Casements and/or Fixed Units can be calculated by multiplying the single unit width by the number of units then adding 1/2".

Note: When ordering multiple units, you must order the individual windows and specify muller. You can't order by overall rough opening size.

CASEMENT WINDOWS
Casement

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple	Rough Opening Quad
109109	20 1/2 x 20 1/2	21 x 21	42 x 21	63 x 21	84 x 21
109201	20 1/2 x 24 1/2	21 x 25	42 x 25	63 x 25	84 x 25
109211	20 1/2 x 34 1/2	21 x 35	42 x 35	63 x 35	84 x 35
109305	20 1/2 x 40 1/2	21 x 41	42 x 41	63 x 41	84 x 41
109311	20 1/2 x 46 1/2	21 x 47	42 x 47	63 x 47	84 x 47
109405	20 1/2 x 52 1/2	21 x 53	42 x 53	63 x 53	84 x 53
109411	20 1/2 x 58 1/2	21 x 59	42 x 59	63 x 59	84 x 59
109505	20 1/2 x 64 1/2	21 x 65	42 x 65	63 x 65	84 x 65
111111	22 1/2 x 22 1/2	23 x 23	46 x 23	69 x 23	92 x 23
111201	22 1/2 x 24 1/2	23 x 25	46 x 25	69 x 25	92 x 25
111211	22 1/2 x 34 1/2	23 x 35	46 x 35	69 x 35	92 x 35
111305	22 1/2 x 40 1/2	23 x 41	46 x 41	69 x 41	92 x 41
111311	22 1/2 x 46 1/2	23 x 47	46 x 47	69 x 47	92 x 47
111405	22 1/2 x 52 1/2	23 x 53	46 x 53	69 x 53	92 x 53
111411	22 1/2 x 58 1/2	23 x 59	46 x 59	69 x 59	92 x 59
111505	22 1/2 x 64 1/2	23 x 65	46 x 65	69 x 65	92 x 65
201201	24 1/2 x 24 1/2	25 x 25	50 x 25	75 x 25	100 x 25
201211	24 1/2 x 34 1/2	25 x 35	50 x 35	75 x 35	100 x 35
201305	24 1/2 x 40 1/2	25 x 41	50 x 41	75 x 41	100 x 41
201311	24 1/2 x 46 1/2	25 x 47	50 x 47	75 x 47	100 x 47
201405	24 1/2 x 52 1/2	25 x 53	50 x 53	75 x 53	100 x 53
201411	24 1/2 x 58 1/2	25 x 59	50 x 59	75 x 59	100 x 59
201505	24 1/2 x 64 1/2	25 x 65	50 x 65	75 x 65	100 x 65
205201	28 1/2 x 24 1/2	29 x 25	58 x 25	87 x 25	116 x 25
205205	28 1/2 x 28 1/2	29 x 29	58 x 29	87 x 29	116 x 29
205211	28 1/2 x 34 1/2	29 x 35	58 x 35	87 x 35	116 x 35
205305	28 1/2 x 40 1/2	29 x 41	58 x 41	87 x 41	116 x 41
205311	28 1/2 x 46 1/2	29 x 47	58 x 47	87 x 47	116 x 47
205405	28 1/2 x 52 1/2	29 x 53	58 x 53	87 x 53	116 x 53
205411	28 1/2 x 58 1/2	29 x 59	58 x 59	87 x 59	116 x 59
205505	28 1/2 x 64 1/2	29 x 65	58 x 65	87 x 65	116 x 65

Fixed Units

Stock Sizes	Unit Dimension	Rough Opening
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
111111	22 1/2 x 22 1/2	23 x 23
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
111311	22 1/2 x 46 1/2	23 x 47
N/A	N/A	N/A
111411	22 1/2 x 58 1/2	23 x 59
111505	22 1/2 x 64 1/2	23 x 65
201201	24 1/2 x 24 1/2	25 x 25
N/A	N/A	N/A
201305	24 1/2 x 40 1/2	25 x 41
201311	24 1/2 x 46 1/2	25 x 47
201405	24 1/2 x 52 1/2	25 x 53
201411	24 1/2 x 58 1/2	25 x 59
201505	24 1/2 x 64 1/2	25 x 65
205201	28 1/2 x 24 1/2	29 x 25
205205	28 1/2 x 28 1/2	29 x 29
N/A	N/A	N/A
N/A	N/A	N/A
205311	28 1/2 x 46 1/2	29 x 47
205405	28 1/2 x 52 1/2	29 x 53
205411	28 1/2 x 58 1/2	29 x 59
205505	28 1/2 x 64 1/2	29 x 65

Rough Openings for multiple, same-sized Casements and/or Fixed Units can be calculated by multiplying the single unit width by the number of units then adding 1/2".

Note: When ordering multiple units, you must order the individual windows and specify mullied. You can't order by overall rough opening size.

AWNING WINDOWS

Awning – Vinyl Stock Sizes

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
2016	23 1/2 x 17 1/2	24 x 18	48 x 18	72 x 18
2416	27 1/2 x 17 1/2	28 x 18	56 x 18	84 x 18
2420	27 1/2 x 23 1/2	28 x 24	56 x 24	84 x 24
2816	31 1/2 x 17 1/2	32 x 18	64 x 18	96 x 18
2820	31 1/2 x 23 1/2	32 x 24	64 x 24	96 x 24
2826	31 1/2 x 29 1/2	32 x 30	64 x 30	96 x 30
3016	35 1/2 x 17 1/2	36 x 18	72 x 18	108 x 18
3020	35 1/2 x 23 1/2	36 x 24	72 x 24	108 x 24
3026	35 1/2 x 29 1/2	36 x 30	72 x 30	108 x 30
4020	47 1/2 x 23 1/2	48 x 24	96 x 24	144 x 24
4026	47 1/2 x 29 1/2	48 x 30	96 x 30	144 x 30
4030	47 1/2 x 35 1/2	48 x 36	96 x 36	144 x 36

Awning

Stock Sizes	Single Unit Dimension	Rough Opening Single	Rough Opening Double	Rough Opening Triple
111109	22 1/2 x 20 1/2	23 x 21	46 x 21	69 x 21
111111	22 1/2 x 22 1/2	23 x 23	46 x 23	69 x 23
111201	22 1/2 x 24 1/2	23 x 25	46 x 25	69 x 25
111205	22 1/2 x 28 1/2	23 x 29	46 x 29	69 x 29
201109	24 1/2 x 20 1/2	25 x 21	50 x 21	75 x 21
201111	24 1/2 x 22 1/2	25 x 23	50 x 23	75 x 23
211109	34 1/2 x 20 1/2	35 x 21	70 x 21	105 x 21
211111	34 1/2 x 22 1/2	35 x 23	70 x 23	105 x 23
211201	34 1/2 x 24 1/2	35 x 25	70 x 25	105 x 25
211205	34 1/2 x 28 1/2	35 x 29	70 x 29	105 x 29
305109	40 1/2 x 20 1/2	41 x 21	82 x 21	123 x 21
305111	40 1/2 x 22 1/2	41 x 23	82 x 23	123 x 23
305201	40 1/2 x 24 1/2	41 x 25	82 x 25	123 x 25
305205	40 1/2 x 28 1/2	41 x 29	82 x 29	123 x 29
311109	46 1/2 x 20 1/2	47 x 21	94 x 21	141 x 21
311111	46 1/2 x 22 1/2	47 x 23	94 x 23	141 x 23
311201	46 1/2 x 24 1/2	47 x 25	94 x 25	141 x 25
311205	46 1/2 x 28 1/2	47 x 29	94 x 29	141 x 29

Rough Openings for multiple, same-sized Awnings can be calculated by multiplying the single unit rough opening width by the number of units then adding 1/2".

Note: When ordering multiple units, you must order the individual windows and specify mullled. You can't order by overall rough opening size.

FIXED UNITS
Fixed Units – Vinyl Stock Sizes

Stock Sizes	Unit Dimension	Rough Opening
1616	17 1/2 x 17 1/2	18 x 18
1620	17 1/2 x 23 1/2	18 x 24
1626	17 1/2 x 29 1/2	18 x 30
1630	17 1/2 x 35 1/2	18 x 36
1638	17 1/2 x 43 1/2	18 x 44
1640	17 1/2 x 47 1/2	18 x 48
1650	17 1/2 x 59 1/2	18 x 60
1660	17 1/2 x 71 1/2	18 x 72
2020	23 1/2 x 23 1/2	24 x 24
2026	23 1/2 x 29 1/2	24 x 30
2030	23 1/2 x 35 1/2	24 x 36
2038	23 1/2 x 43 1/2	24 x 44
2040	23 1/2 x 47 1/2	24 x 48
2050	23 1/2 x 59 1/2	24 x 60
2060	23 1/2 x 71 1/2	24 x 72
2424	27 1/2 x 27 1/2	28 x 28
2426	27 1/2 x 29 1/2	28 x 30
2430	27 1/2 x 35 1/2	28 x 36
2438	27 1/2 x 43 1/2	28 x 44
2450	27 1/2 x 59 1/2	28 x 60
2460	27 1/2 x 71 1/2	28 x 72
2828	31 1/2 x 31 1/2	32 x 32
2830	31 1/2 x 35 1/2	32 x 36
2838	31 1/2 x 43 1/2	32 x 44
2840	31 1/2 x 47 1/2	32 x 48
2850	31 1/2 x 59 1/2	32 x 60
2860	31 1/2 x 71 1/2	32 x 72
3030	35 1/2 x 35 1/2	36 x 36
3038	35 1/2 x 43 1/2	36 x 44
3040	35 1/2 x 47 1/2	36 x 48
3050	35 1/2 x 59 1/2	36 x 60
3060	35 1/2 x 71 1/2	36 x 72
4040	47 1/2 x 47 1/2	48 x 48
4046	47 1/2 x 53 1/2	48 x 54
4050	47 1/2 x 59 1/2	48 x 60
4056	47 1/2 x 65 1/2	48 x 66
4060	47 1/2 x 71 1/2	48 x 72
5050	59 1/2 x 59 1/2	60 x 60
5056	59 1/2 x 65 1/2	60 x 66
5060	59 1/2 x 71 1/2	60 x 72
5066	59 1/2 x 77 1/2	60 x 78
5070	59 1/2 x 83 1/2	60 x 84

Fixed Units

Stock Sizes	Unit Dimension	Rough Opening
105405	16 1/2 x 52 1/2	17 x 53
109405	20 1/2 x 52 1/2	21 x 53
109411	20 1/2 x 58 1/2	21 x 59
111111	22 1/2 x 22 1/2	23 x 23
111311	22 1/2 x 46 1/2	23 x 47
111411	22 1/2 x 58 1/2	23 x 59
111505	22 1/2 x 64 1/2	23 x 65
201201	24 1/2 x 24 1/2	25 x 25
201305	24 1/2 x 40 1/2	25 x 41
201311	24 1/2 x 46 1/2	25 x 47
201405	24 1/2 x 52 1/2	25 x 53
201411	24 1/2 x 58 1/2	25 x 59
201505	24 1/2 x 64 1/2	25 x 65
205201	28 1/2 x 24 1/2	29 x 25
205205	28 1/2 x 28 1/2	29 x 29
205311	28 1/2 x 46 1/2	29 x 47
205405	28 1/2 x 52 1/2	29 x 53
205411	28 1/2 x 58 1/2	29 x 59
205505	28 1/2 x 64 1/2	29 x 65
211311	34 1/2 x 46 1/2	35 x 47
211405	34 1/2 x 52 1/2	35 x 53
211411	34 1/2 x 58 1/2	35 x 59
211505	34 1/2 x 64 1/2	35 x 65
311311	46 1/2 x 46 1/2	47 x 47
311411	46 1/2 x 58 1/2	47 x 59
311505	46 1/2 x 64 1/2	47 x 65
411411	58 1/2 x 58 1/2	59 x 59

Rough Openings for multiple, same-sized Casements and/or Fixed Units can be calculated by multiplying the single unit width by the number of units then adding 1/2".

Note: When ordering multiple units, you must order the individual windows and specify mullied. You can't order by overall rough opening size.

PICTURE WINDOWS

Picture – Vinyl Stock Sizes

Stock Sizes	Unit Dimension	Rough Opening
1810	19 1/2 x 11 1/2	20 x 12
1820	19 1/2 x 23 1/2	20 x 24
1830	19 1/2 x 35 1/2	20 x 36
1832	19 1/2 x 37 1/2	20 x 38
1838	19 1/2 x 43 1/2	20 x 44
1840	19 1/2 x 47 1/2	20 x 48
1844	19 1/2 x 51 1/2	20 x 52
1846	19 1/2 x 53 1/2	20 x 54
1850	19 1/2 x 59 1/2	20 x 60
1852	19 1/2 x 61 1/2	20 x 62
1853	19 1/2 x 62 1/2	20 x 63
1856	19 1/2 x 65 1/2	20 x 66
1860	19 1/2 x 71 1/2	20 x 72
1862	19 1/2 x 73 1/2	20 x 74
2010	23 1/2 x 11 1/2	24 x 12
2020	23 1/2 x 23 1/2	24 x 24
2030	23 1/2 x 35 1/2	24 x 36
2032	23 1/2 x 37 1/2	24 x 38
2038	23 1/2 x 43 1/2	24 x 44
2040	23 1/2 x 47 1/2	24 x 48
2044	23 1/2 x 51 1/2	24 x 52
2046	23 1/2 x 53 1/2	24 x 54
2050	23 1/2 x 59 1/2	24 x 60
2052	23 1/2 x 61 1/2	24 x 62
2053	23 1/2 x 62 1/2	24 x 63
2056	23 1/2 x 65 1/2	24 x 66
2060	23 1/2 x 71 1/2	24 x 72
2062	23 1/2 x 73 1/2	24 x 74
3010	35 1/2 x 11 1/2	36 x 12
3020	35 1/2 x 23 1/2	36 x 24
3030	35 1/2 x 35 1/2	36 x 36
3032	35 1/2 x 37 1/2	36 x 38
3038	35 1/2 x 43 1/2	36 x 44
3040	35 1/2 x 47 1/2	36 x 48
3044	35 1/2 x 51 1/2	36 x 52
3046	35 1/2 x 53 1/2	36 x 54
3050	35 1/2 x 59 1/2	36 x 60
3052	35 1/2 x 61 1/2	36 x 62
3053	35 1/2 x 62 1/2	36 x 63
3056	35 1/2 x 65 1/2	36 x 66
3060	35 1/2 x 71 1/2	36 x 72
3062	35 1/2 x 73 1/2	36 x 74
4010	47 1/2 x 11 1/2	48 x 12
4020	47 1/2 x 23 1/2	48 x 24
4030	47 1/2 x 35 1/2	48 x 36
4032	47 1/2 x 37 1/2	48 x 38
4038	47 1/2 x 43 1/2	48 x 44
4040	47 1/2 x 47 1/2	48 x 48
4044	47 1/2 x 51 1/2	48 x 52
4046	47 1/2 x 53 1/2	48 x 54
4050	47 1/2 x 59 1/2	48 x 60

Stock Sizes	Unit Dimension	Rough Opening
4052	47 1/2 x 61 1/2	48 x 62
4053	47 1/2 x 62 1/2	48 x 63
4056	47 1/2 x 65 1/2	48 x 66
4060	47 1/2 x 71 1/2	48 x 72
4062	47 1/2 x 73 1/2	48 x 74
5010	59 1/2 x 11 1/2	60 x 12
5020	59 1/2 x 23 1/2	60 x 24
5030	59 1/2 x 35 1/2	60 x 36
5032	59 1/2 x 37 1/2	60 x 38
5038	59 1/2 x 43 1/2	60 x 44
5040	59 1/2 x 47 1/2	60 x 48
5044	59 1/2 x 51 1/2	60 x 52
5046	59 1/2 x 53 1/2	60 x 54
5050	59 1/2 x 59 1/2	60 x 60
5052	59 1/2 x 61 1/2	60 x 62
5053	59 1/2 x 62 1/2	60 x 63
5056	59 1/2 x 65 1/2	60 x 66
5060	59 1/2 x 71 1/2	60 x 72
5062	59 1/2 x 73 1/2	60 x 74

Rough Openings for multiple, same-sized Pictures can be calculated by multiplying the single unit width by the number of units then adding 1/2".

Note: When ordering multiple units, you must order the individual windows and specify mullled. You can't order by overall rough opening size.

PICTURE WINDOWS
Picture – Wood Stock Sizes

Stock Sizes	Unit Dimension	Rough Opening
1810W	21 1/2 x 11 1/2	22 x 12
1815W	21 1/2 x 18 1/2	22 x 19
1817W	21 1/2 x 20 1/2	22 x 21
18210W	21 1/2 x 36 1/2	22 x 37
1832W	21 1/2 x 40 1/2	22 x 41
18310W	21 1/2 x 48 1/2	22 x 49
1842W	21 1/2 x 52 1/2	22 x 53
1846W	21 1/2 x 56 1/2	22 x 57
1849W	21 1/2 x 59 1/2	22 x 60
1852W	21 1/2 x 64 1/2	22 x 65
1856W	21 1/2 x 68 1/2	22 x 69
1862W	21 1/2 x 76 1/2	22 x 77
2010W	25 1/2 x 11 1/2	26 x 12
2015W	25 1/2 x 18 1/2	26 x 19
2017W	25 1/2 x 20 1/2	26 x 21
20210W	25 1/2 x 36 1/2	26 x 37
2032W	25 1/2 x 40 1/2	26 x 41
20310W	25 1/2 x 48 1/2	26 x 49
2042W	25 1/2 x 52 1/2	26 x 53
2046W	25 1/2 x 56 1/2	26 x 57
2049W	25 1/2 x 59 1/2	26 x 60
2052W	25 1/2 x 64 1/2	26 x 65
2056W	25 1/2 x 68 1/2	26 x 69
2062W	25 1/2 x 76 1/2	26 x 77
2410W	29 1/2 x 11 1/2	30 x 12
2415W	29 1/2 x 18 1/2	30 x 19
2417W	29 1/2 x 20 1/2	30 x 21
24210W	29 1/2 x 36 1/2	30 x 37
2432W	29 1/2 x 40 1/2	30 x 41
24310W	29 1/2 x 48 1/2	30 x 49
2442W	29 1/2 x 52 1/2	30 x 53
2446W	29 1/2 x 56 1/2	30 x 57
2449W	29 1/2 x 59 1/2	30 x 60
2452W	29 1/2 x 64 1/2	30 x 65
2456W	29 1/2 x 68 1/2	30 x 69
2462W	29 1/2 x 76 1/2	30 x 77
2810W	33 1/2 x 11 1/2	34 x 12
2815W	33 1/2 x 18 1/2	34 x 19
2817W	33 1/2 x 20 1/2	34 x 21
28210W	33 1/2 x 36 1/2	34 x 37
2832W	33 1/2 x 40 1/2	34 x 41
28310W	33 1/2 x 48 1/2	34 x 49
2842W	33 1/2 x 52 1/2	34 x 53
2846W	33 1/2 x 56 1/2	34 x 57
2849W	33 1/2 x 59 1/2	34 x 60
2852W	33 1/2 x 64 1/2	34 x 65
2856W	33 1/2 x 68 1/2	34 x 69
2862W	33 1/2 x 76 1/2	34 x 77

Stock Sizes	Unit Dimension	Rough Opening
3010W	37 1/2 x 11 1/2	38 x 12
3015W	37 1/2 x 18 1/2	38 x 19
3017W	37 1/2 x 20 1/2	38 x 21
30210W	37 1/2 x 36 1/2	38 x 37
3032W	37 1/2 x 40 1/2	38 x 41
30310W	37 1/2 x 48 1/2	38 x 49
3042W	37 1/2 x 52 1/2	38 x 53
3046W	37 1/2 x 56 1/2	38 x 57
3049W	37 1/2 x 59 1/2	38 x 60
3052W	37 1/2 x 64 1/2	38 x 65
3056W	37 1/2 x 68 1/2	38 x 69
3062W	37 1/2 x 76 1/2	38 x 77
3410W	41 1/2 x 11 1/2	42 x 12
3415W	41 1/2 x 18 1/2	42 x 19
3417W	41 1/2 x 20 1/2	42 x 21
34210W	41 1/2 x 36 1/2	42 x 37
3432W	41 1/2 x 40 1/2	42 x 41
34310W	41 1/2 x 48 1/2	42 x 49
3442W	41 1/2 x 52 1/2	42 x 53
3446W	41 1/2 x 56 1/2	42 x 57
3449W	41 1/2 x 59 1/2	42 x 60
3452W	41 1/2 x 64 1/2	42 x 65
3456W	41 1/2 x 68 1/2	42 x 69
3462W	41 1/2 x 76 1/2	42 x 77
3810W	45 1/2 x 11 1/2	46 x 12
3815W	45 1/2 x 18 1/2	46 x 19
3817W	45 1/2 x 20 1/2	46 x 21
38210W	45 1/2 x 36 1/2	46 x 37
3832W	45 1/2 x 40 1/2	46 x 41
38310W	45 1/2 x 48 1/2	46 x 49
3842W	45 1/2 x 52 1/2	46 x 53
3846W	45 1/2 x 56 1/2	46 x 57
3849W	45 1/2 x 59 1/2	46 x 60
3852W	45 1/2 x 64 1/2	46 x 65
3856W	45 1/2 x 68 1/2	46 x 69
3862W	45 1/2 x 76 1/2	46 x 77
4410W	53 1/2 x 11 1/2	54 x 12
4415W	53 1/2 x 18 1/2	54 x 19
4417W	53 1/2 x 20 1/2	54 x 21
44210W	53 1/2 x 36 1/2	54 x 37
4432W	53 1/2 x 40 1/2	54 x 41
44310W	53 1/2 x 48 1/2	54 x 49
4442W	53 1/2 x 52 1/2	54 x 53
4446W	53 1/2 x 56 1/2	54 x 57
4449W	53 1/2 x 59 1/2	54 x 60
4452W	53 1/2 x 64 1/2	54 x 65
4456W	53 1/2 x 68 1/2	54 x 69
4462W	53 1/2 x 76 1/2	54 x 77

Stock Sizes	Unit Dimension	Rough Opening
5010W	61 1/2 x 11 1/2	62 x 12
5015W	61 1/2 x 18 1/2	62 x 19
5017W	61 1/2 x 20 1/2	62 x 21
50210W	61 1/2 x 36 1/2	62 x 37
5032W	61 1/2 x 40 1/2	62 x 41
50310W	61 1/2 x 48 1/2	62 x 49
5042W	61 1/2 x 52 1/2	62 x 53
5046W	61 1/2 x 56 1/2	62 x 57
5049W	61 1/2 x 59 1/2	62 x 60
5052W	61 1/2 x 64 1/2	62 x 65
5056W	61 1/2 x 68 1/2	62 x 69
5062W	61 1/2 x 76 1/2	62 x 77

Rough Openings for multiple, same-sized Pictures can be calculated by multiplying the single unit width by the number of units then adding 1/2".

Note: When ordering multiple units, you must order the individual windows and specify mullled. You can't order by overall rough opening size.

SPECIALTY WINDOWS

Half-round – Vinyl Stock Sizes

Stock Sizes	Unit Dimension	Rough Opening
2814	31 1/2 x 15 1/2	32 x 16
3016	35 1/2 x 17 1/2	36 x 18
3418	39 1/2 x 19 1/2	40 x 20
4020	47 1/2 x 23 1/2	48 x 24
402201	49 1/2 x 24 1/2	50 x 25
4824	55 1/2 x 27 1/2	56 x 28
410205	57 1/2 x 28 1/2	58 x 29
5026	59 1/2 x 29 1/2	60 x 30
5428	63 1/2 x 31 1/2	64 x 32
6030	71 1/2 x 35 1/2	72 x 36
6834	79 1/2 x 39 1/2	80 x 40
7438	87 1/2 x 43 1/2	88 x 44
8040	95 1/2 x 47 1/2	96 x 48

Half-round – Wood Stock Sizes

Wood Sizes	Stock Sizes	Unit Dimension	Rough Opening
2413W	206103	29 1/2 x 14 1/2	30 x 15
2815W	210105	33 1/2 x 16 1/2	34 x 17
3017W	302107	37 1/2 x 18 1/2	38 x 19
3419W	306109	41 1/2 x 20 1/2	42 x 21
3620W	308110	43 1/2 x 21 1/2	44 x 22
3821W	310111	45 1/2 x 22 1/2	46 x 23
42111W	404202	51 1/2 x 25 1/2	52 x 26
5632W	508210	67 1/2 x 33 1/2	68 x 34
6036W	604302	75 1/2 x 37 1/2	76 x 38
61033W	700306	83 1/2 x 41 1/2	84 x 42
7637W	708310	91 1/2 x 45 1/2	92 x 46

Quarter-round – Vinyl Stock Sizes

Stock Sizes	Unit Dimension	Rough Opening
2020	23 1/2 x 23 1/2	24 x 24
2424	27 1/2 x 27 1/2	28 x 28
2828	31 1/2 x 31 1/2	32 x 32
3030	35 1/2 x 35 1/2	36 x 36
3434	39 1/2 x 39 1/2	40 x 40

Quarter-round – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Dimension	Rough Opening
1819W	110110	21 1/2 x 21 1/2	22 x 22
2019W	202202	25 1/2 x 25 1/2	26 x 26
2423W	206206	29 1/2 x 29 1/2	30 x 30
2827W	210210	33 1/2 x 33 1/2	34 x 34
30211W	302302	37 1/2 x 37 1/2	38 x 38

Circle

Stock Sizes	Unit Dimension	Rough Opening
3030	35 1/2 x 35 1/2	36 x 36

Note: When ordering multiple units, you must order the individual windows and specify mullied. You can't order by overall rough opening size.

PATIO DOORS, SIDELITES & TRANSOMS

Patio Door

Stock Sizes	Unit Dimension	Rough Opening
5068	59 1/4 x 79 1/2	60 x 80
6068	71 1/4 x 79 1/2	72 x 80
6080	71 1/4 x 95 1/2	72 x 96
8068	95 1/4 x 79 1/2	96 x 80
9068	107 1/4 x 79 1/2	108 x 80

Sidelite

Stock Sizes	Unit Dimension	Rough Opening
2668	29 1/2 x 79 1/2	30 x 80
3068	35 1/2 x 79 1/2	36 x 80
3080	35 1/2 x 95 1/2	36 x 96
4068	47 1/2 x 79 1/2	48 x 80

Transom

Stock Sizes	Unit Dimension	Rough Opening
5010	59 1/4 x 11 1/2	60 x 12
5020	59 1/4 x 23 1/2	60 x 24
5030	59 1/4 x 35 1/2	60 x 36
6010	71 1/4 x 11 1/2	72 x 12
6020	71 1/4 x 23 1/2	72 x 24
6030	71 1/4 x 35 1/2	72 x 36
8020	95 1/4 x 23 1/2	96 x 24
8030	95 1/4 x 35 1/2	96 x 36
9020	107 1/4 x 23 1/2	108 x 24
9030	107 1/4 x 35 1/2	108 x 36

SINGLE HUNG STYLES & SIZES

Single Hung – Vinyl Stock Sizes

Rough Unit Size	20"	24"	28"	32"	36"	40"	44"	48"
36"	1830	2030	2430	2830	3030	3430	3830	4030
38"	1832	2032	2432	2832	3032	3432	3832	4032
44"	1838	2038	2438	2838	3038	3438	3838	4038
48"	1840	2040	2440	2840	3040	3440	3840	4040
52"	1844	2044	2444	2844	3044	3444	3844	4044
54"	1846	2046	2446	2846	3046	3446	3846	4046
60"	1850	2050	2450	2850	3050	3450	3850	4050
62"	1852	2052	2452	2852	3052	3452	3852	4052
63"	1853	2053	2453	2853	3053	3453	3853	4053
66"	1856	2056	2456	2856	3056	3456	3856	4056
72"	1860	2060	2460	2860	3060	3460	3860	4060
74"	1862	2062	2462	2862	3062	3462	3862	4062

































































































SINGLE HUNG STYLES & SIZES

Single Hung – Wood Stock Sizes

Rough Unit Size	22"	26"	30"	34"	38"	42"	46"
	21-1/2"	25-1/2"	29-1/2"	33-1/2"	37-1/2"	41-1/2"	45-1/2"
37"							
	18210W	20210W	24210W	28210W	30210W	34210W	38210W
41"							
	1832W	2032W	2432W	2832W	3032W	3432W	3832W
49"							
	18310W	20310W	24310W	28310W	30310W	34310W	38310W
53"							
	1842W	2042W	2442W	2842W	3042W	3442W	3842W
57"							
	1846W	2046W	2446W	2846W	3046W	3446W	3846W
60"							
	1849W	2049W	2449W	2849W	3049W	3449W	3849W
65"							
	1852W	2052W	2452W	2852W	3052W	3452W	3852W
69"							
	1856W	2056W	2456W	2856W	3056W	3456W	3856W
77"							
	1862W	2062W	2462W	2862W	3062W	3462W	3862W

DOUBLE HUNG STYLES & SIZES

Double Hung – Vinyl Stock Sizes

Rough Unit Size	20"	24"	28"	32"	36"	40"	44"	48"
	19-1/2"	23-1/2"	27-1/2"	31-1/2"	35-1/2"	39-1/2"	43-1/2"	47-1/2"
36"								
38"								
44"								
48"								
52"								
54"								
60"								
62"								
63"								
66"								
72"								
74"								

DOUBLE HUNG STYLES & SIZES

Double Hung – Wood Stock

Rough Unit Size	22"	26"	30"	34"	38"	42"	46"
	21-1/2"	25-1/2"	29-1/2"	33-1/2"	37-1/2"	41-1/2"	45-1/2"
37"							
41"							
49"							
53"							
57"							
60"							
65"							
69"							
77"							

SLIDER STYLES & SIZES

Single Slider


































	24"	36"	48"	49"	60"	72"
Rough Unit Size	23-1/2"	35-1/2"	47-1/2"	48-1/2"	59-1/2"	71-1/2"
24"						
36"						
48"	N/A					
60"	N/A					

3-lite Slider













	72"	84"	96"	108"
Rough Unit Size	71-1/2"	83-1/2"	95-1/2"	107-1/2"
36"				
48"				
60"				

CASEMENT AND AWNING STYLES & SIZES

Casement – Vinyl Stock Sizes











































Rough Unit Size	18" 17-1/2"	24" 23-1/2"	28" 27-1/2"	32" 31-1/2"	36" 35-1/2"
18" 17-1/2"	 1616	N/A	N/A	N/A	N/A
24" 23-1/2"	 1620	 2020	N/A	N/A	N/A
28" 27-1/2"	N/A	N/A	 2424	N/A	N/A
30" 29-1/2"	 1626	 2026	 2426	N/A	N/A
32" 31-1/2"	N/A	N/A	N/A	 2828	N/A
36" 35-1/2"	 1630	 2030	 2430	 2830	 3030
44" 43-1/2"	 1638	 2038	 2438	 2838	 3038
48" 47-1/2"	 1640	 2040	 2440	 2840	 3040
60" 59-1/2"	 1650	 2050	 2450	 2850	 3050
72" 71-1/2"	 1660	 2060	 2460	 2860	 3060

Awning – Vinyl Stock Sizes

Rough Unit Size	24" 23-1/2"	28" 27-1/2"	32" 31-1/2"	36" 35-1/2"	48" 47-1/2"
18" 17-1/2"	 2016	 2416	 2816	 3016	N/A
24" 23-1/2"	N/A	 2420	 2820	 3020	 4020
30" 29-1/2"	N/A	N/A	 2826	 3026	 4026
36" 35-1/2"	N/A	N/A	N/A	N/A	 4030





























CASEMENT AND AWNING STYLES & SIZES

Fixed Units for Casements & Awning – Vinyl Stock Sizes



















Rough Unit Size	18"	24"	28"	32"	36"	48"	60"
	17-1/2"	23-1/2"	27-1/2"	31-1/2"	35-1/2"	47-1/2"	59-1/2"
18"	 1616	N/A	N/A	N/A	N/A	N/A	N/A
24"	 1620	 2020	N/A	N/A	N/A	N/A	N/A
28"	N/A	N/A	 2424	N/A	N/A	N/A	N/A
30"	 1626	 2026	 2426	N/A	N/A	N/A	N/A
32"	N/A	N/A	N/A	 2828	N/A	N/A	N/A
36"	 1630	 2030	 2430	 2830	 3030	N/A	N/A
44"	 1638	 2038	 2438	 2838	 3038	N/A	N/A
48"	 1640	 2040	N/A	 2840	 3040	 4040	N/A
54"	N/A	N/A	N/A	N/A	N/A	 4046	N/A
60"	 1650	 2050	 2450	 2850	 3050	 4050	 5050
66"	N/A	N/A	N/A	N/A	N/A	 4056	 5056
72"	 1660	 2060	 2460	 2860	 3060	 4060	 5060
78"	N/A	N/A	N/A	N/A	N/A	N/A	 5066
84"	N/A	N/A	N/A	N/A	N/A	N/A	 5070

CASEMENT AND AWNING STYLES & SIZES





Vent Casement

Rough Unit Size	21"	23"	25"	29"
25"	 109201	 111201	 201201	 205201
35"	 109211	 111211	 201211	 205211
41"	 109305	 111305	 201305	 205305
47"	 109311	 111311	 201311	 205311
53"	 109405	 111405	 201405	 205405
59"	 109411	 111411	 201411	 205411
65"	 109505	 111505	 201505	 205505

Awning




























Rough Unit Size	23"	25"	35"	41"	47"
21"	 111109	 201109	 211109	 305109	 311109
23"	 111111	 201111	 211111	 305111	 311111
25"	 111201	N/A	 211201	 305201	 311201
29"	 111205	N/A	 211205	 305205	 311205

Square Vent Casement

Rough Unit Size	21"	23"	25"	29"
21"	 109109	N/A	N/A	N/A
23"	N/A	 111111	N/A	N/A
25"	N/A	N/A	 201201	N/A
29"	N/A	N/A	N/A	 205205

CASEMENT AND AWNING STYLES & SIZES

Fixed Units

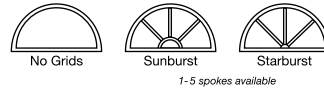
Rough Unit Size	17"	21"	23"	25"	29"	35"	47"	59"
	16-1/2"	20-1/2"	22-1/2"	24-1/2"	28-1/2"	34-1/2"	46-1/2"	58-1/2"
23"	N/A	N/A	 111111	N/A	N/A	N/A	N/A	N/A
25"	N/A	N/A	N/A	 201201	 205201	N/A	N/A	N/A
29"	N/A	N/A	N/A	N/A	 205205	N/A	N/A	N/A
41"	N/A	N/A	N/A	 201305	N/A	N/A	N/A	N/A
47"	N/A	N/A	 111311	 201311	 205311	 211311	 311311	N/A
53"	 105405	 109405	N/A	 201405	 205405	 211405	N/A	N/A
59"	N/A	 109411	 111411	 201411	 205411	 211411	 311411	 411411
65"	N/A	N/A	 111505	 201505	 205505	 211505	 311505	N/A

PICTURE AND GEOMETRIC STYLES & SIZES

Picture – Vinyl Stock Sizes

Rough Unit Size	20"	24"	36"	48"	60"
12"	1810	2010	3010	4010	5010
24"	1820	2020	3020	4020	5020
36"	1830	2030	3030	4030	5030
38"	1832	2032	3032	4032	5032
44"	1838	2038	3038	4038	5038
48"	1840	2040	3040	4040	5040
52"	1844	2044	3044	4044	5044
54"	1846	2046	3046	4046	5046
60"	1850	2050	3050	4050	5050
62"	1852	2052	3052	4052	5052
63"	1853	2053	3053	4053	5053
66"	1856	2056	3056	4056	5056
72"	1860	2060	3060	4060	5060
74"	1862	2062	3062	4062	5062

Half-round

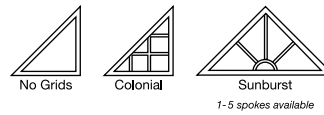


Circle



Custom Geometrics

Triangle



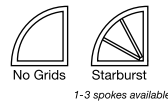
Eyebrow



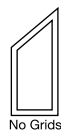
Oval



Quarter-round



Trapezoid



Gothic















































































































Geometric: Triangle, Eyebrow, Oval, Quarter-round, Trapezoid and Gothic shapes are available in custom sizes.

Picture: Inverse sizes may be ordered.

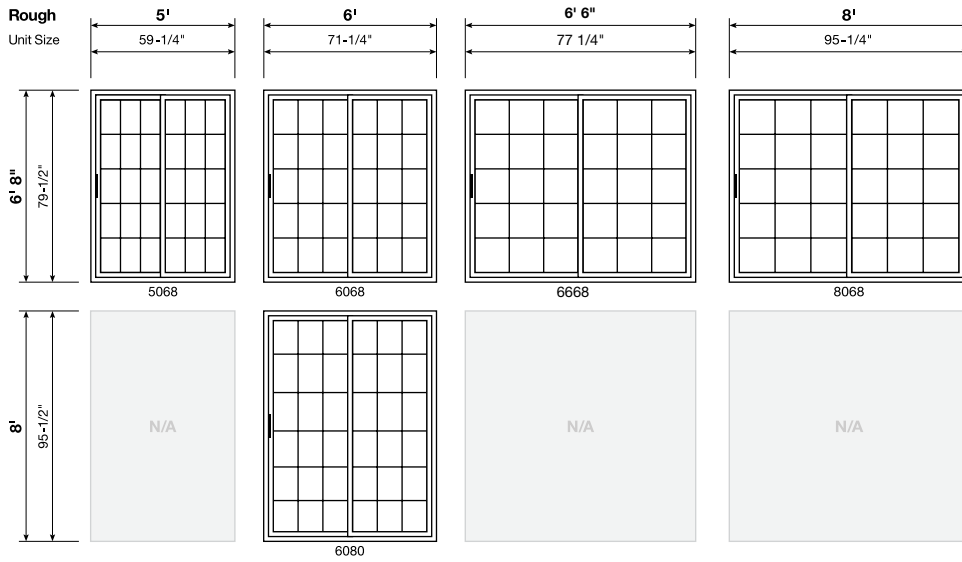
PICTURE STYLES & SIZES

Picture – Wood Stock Sizes

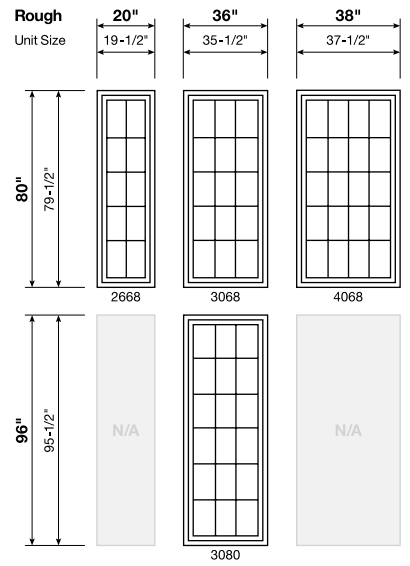
Rough Unit Size	22"	26"	30"	34"	38"	42"	46"	54"	62"
12" 11-1/2"									
19" 18-1/2"									
21" 20-1/2"									
37" 36-1/2"									
41" 41-1/2"									
49" 48-1/2"									
53" 52-1/2"									
57" 56-1/2"									
60" 59-1/2"									
65" 64-1/2"									
69" 68-1/2"									
77" 76-1/2"									

PATIO DOOR STYLES & SIZES

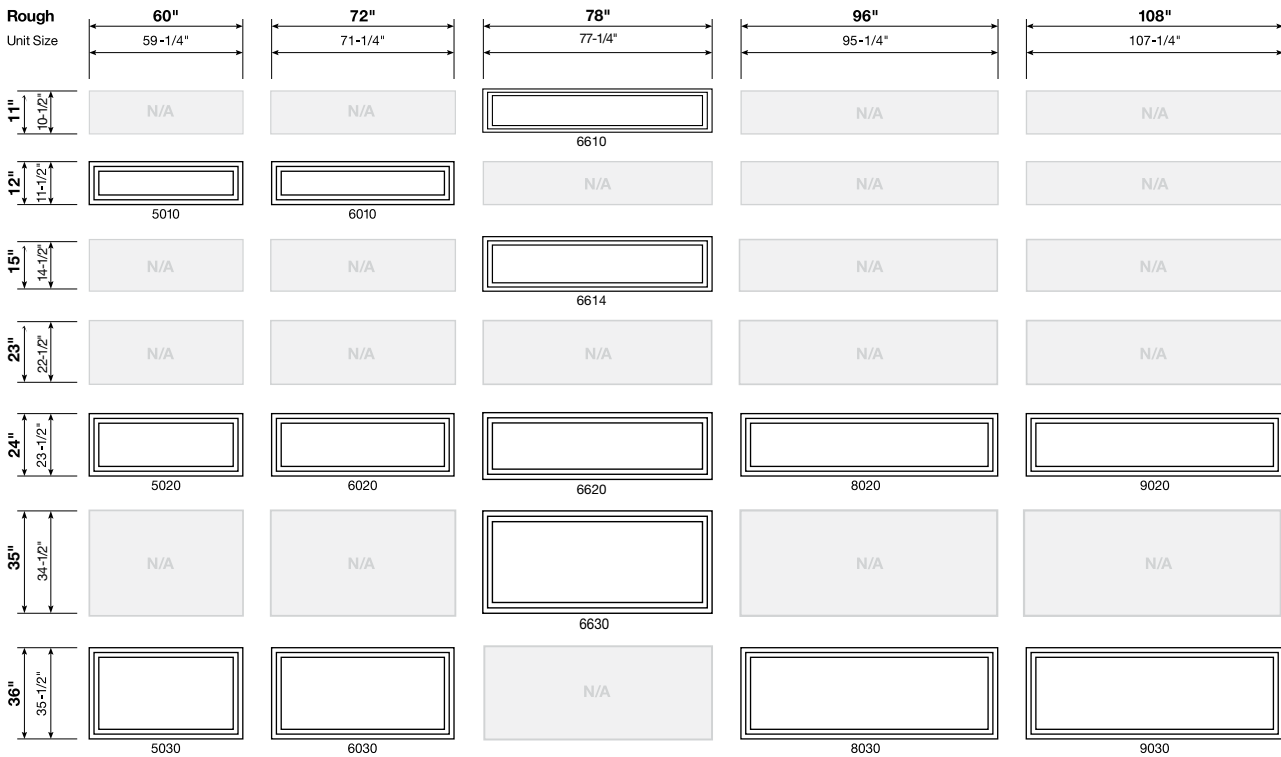
Patio Door



Sidelite



Transom



STANDARD HARDWARE GUIDE
Single Hung – Vinyl Stock Sizes

Vinyl Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
1830	19 1/2 x 35 1/2	14.64	9.96	1.0	N/A	N/A	N/A
1832	19 1/2 x 37 1/2	14.64	10.96	1.1	N/A	N/A	N/A
1838	19 1/2 x 43 1/2	14.64	13.96	1.4	N/A	N/A	N/A
1840	19 1/2 x 47 1/2	14.64	15.96	1.6	N/A	N/A	N/A
1844	19 1/2 x 51 1/2	14.64	17.96	1.8	14.64	22.08	2.2
1846	19 1/2 x 53 1/2	14.64	18.96	1.9	14.64	23.08	2.3
1850	19 1/2 x 59 1/2	14.64	21.96	2.2	14.64	26.08	2.6
1852	19 1/2 x 61 1/2	14.64	22.96	2.3	14.64	27.08	2.7
1853	19 1/2 x 62 1/2	14.64	23.46	2.3	14.64	27.58	2.8
1856	19 1/2 x 65 1/2	14.64	24.96	2.5	14.64	29.08	2.9
1860	19 1/2 x 71 1/2	14.64	27.96	2.8	N/A	N/A	N/A
1862	19 1/2 x 73 1/2	14.64	28.96	2.9	N/A	N/A	N/A
2030	23 1/2 x 35 1/2	18.64	9.96	1.2	N/A	N/A	N/A
2032	23 1/2 x 37 1/2	18.64	10.96	1.4	N/A	N/A	N/A
2038	23 1/2 x 43 1/2	18.64	13.96	1.8	N/A	N/A	N/A
2040	23 1/2 x 47 1/2	18.64	15.96	2.0	N/A	N/A	N/A
2044	23 1/2 x 51 1/2	18.64	17.96	2.3	18.64	22.08	2.8
2046	23 1/2 x 53 1/2	18.64	18.96	2.4	18.64	23.08	2.9
2050	23 1/2 x 59 1/2	18.64	21.96	2.8	18.64	26.08	3.3
2052	23 1/2 x 61 1/2	18.64	22.96	2.9	18.64	27.08	3.5
2053	23 1/2 x 62 1/2	18.64	23.46	3.0	18.64	27.58	3.5
2056	23 1/2 x 65 1/2	18.64	24.96	3.2	18.64	29.08	3.7
2060	23 1/2 x 71 1/2	18.64	27.96	3.6	N/A	N/A	N/A
2062	23 1/2 x 73 1/2	18.64	28.96	3.7	N/A	N/A	N/A
2430	27 1/2 x 35 1/2	22.64	9.96	1.5	N/A	N/A	N/A
2432	27 1/2 x 37 1/2	22.64	10.96	1.7	N/A	N/A	N/A
2438	27 1/2 x 43 1/2	22.64	13.96	2.1	N/A	N/A	N/A
2440	27 1/2 x 47 1/2	22.64	15.96	2.5	N/A	N/A	N/A
2444	27 1/2 x 51 1/2	22.64	17.96	2.8	22.64	22.08	3.4
2446	27 1/2 x 53 1/2	22.64	18.96	2.9	22.64	23.08	3.6
2450	27 1/2 x 59 1/2	22.64	21.96	3.4	22.64	26.08	4.1
2452	27 1/2 x 61 1/2	22.64	22.96	3.6	22.64	27.08	4.2
2453	27 1/2 x 62 1/2	22.64	23.46	3.6	22.64	27.58	4.3
2456	27 1/2 x 65 1/2	22.64	24.96	3.9	22.64	29.08	4.5
2460	27 1/2 x 71 1/2	22.64	27.96	4.3	N/A	N/A	N/A
2462	27 1/2 x 73 1/2	22.64	28.96	4.5	N/A	N/A	N/A
2830	31 1/2 x 35 1/2	26.64	9.96	1.8	N/A	N/A	N/A
2832	31 1/2 x 37 1/2	26.64	10.96	2.0	N/A	N/A	N/A
2838	31 1/2 x 43 1/2	26.64	13.96	2.5	N/A	N/A	N/A
2840	31 1/2 x 47 1/2	26.64	15.96	2.9	N/A	N/A	N/A
2844	31 1/2 x 51 1/2	26.64	17.96	3.3	26.64	22.08	4.0
2846	31 1/2 x 53 1/2	26.64	18.96	3.5	26.64	23.08	4.2
2850	31 1/2 x 59 1/2	26.64	21.96	4.0	26.64	26.08	4.8
2852	31 1/2 x 61 1/2	26.64	22.96	4.2	26.64	27.08	5.0
2853	31 1/2 x 62 1/2	26.64	23.46	4.3	26.64	27.58	5.1
2856	31 1/2 x 65 1/2	26.64	24.96	4.6	26.64	29.08	5.3
2860	31 1/2 x 71 1/2	26.64	27.96	5.1	N/A	N/A	N/A
2862	31 1/2 x 73 1/2	26.64	28.96	5.3	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

Notes: Due to the many varied State and Municipal Building Codes, it is the sole responsibility of the individual architect, builder, contractor, developer or engineer and/or purchaser to insure that the windows comply with existing Building Codes.

Simonton Windows® cannot be responsible for: calculations and design of support mullions or structural support required for installation of a product, safety glazing requirements or ingress-egress requirements.

Please consult with your local building codes official prior to installing products. If you have questions concerning performance or options, please contact Simonton Windows:

Vinyl Stock Sizes continued on page 31.

STANDARD HARDWARE GUIDE

Vinyl Stock Sizes continued from page 30.

Single Hung – Vinyl Stock Sizes

Vinyl Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
3030	35 1/2 x 35 1/2	30.64	9.96	2.1	N/A	N/A	N/A
3032	35 1/2 x 37 1/2	30.64	10.96	2.3	N/A	N/A	N/A
3038	35 1/2 x 43 1/2	30.64	13.96	2.9	N/A	N/A	N/A
3040	35 1/2 x 47 1/2	30.64	15.96	3.3	N/A	N/A	N/A
3044	35 1/2 x 51 1/2	30.64	17.96	3.8	30.64	22.08	4.6
3046	35 1/2 x 53 1/2	30.64	18.96	4.0	30.64	23.08	4.9
3050	35 1/2 x 59 1/2	30.64	21.96	4.6	30.64	26.08	5.5
3052	35 1/2 x 61 1/2	30.64	22.96	4.8	30.64	27.08	5.7
3053	35 1/2 x 62 1/2	30.64	23.46	4.9	30.64	27.58	5.8
3056	35 1/2 x 65 1/2	30.64	24.96	5.3	30.64	29.08	6.1
3060	35 1/2 x 71 1/2	30.64	27.96	5.9	N/A	N/A	N/A
3062	35 1/2 x 73 1/2	30.64	28.96	6.1	N/A	N/A	N/A
3430	39 1/2 x 35 1/2	34.64	9.96	2.3	N/A	N/A	N/A
3432	39 1/2 x 37 1/2	34.64	10.96	2.6	N/A	N/A	N/A
3438	39 1/2 x 43 1/2	34.64	13.96	3.3	N/A	N/A	N/A
3440	39 1/2 x 47 1/2	34.64	15.96	3.8	N/A	N/A	N/A
3444	39 1/2 x 51 1/2	34.64	17.96	4.3	34.64	22.08	5.3
3446	39 1/2 x 53 1/2	34.64	18.96	4.5	34.64	23.08	5.5
3450	39 1/2 x 59 1/2	34.64	21.96	5.2	34.64	26.08	6.2
3452	39 1/2 x 61 1/2	34.64	22.96	5.5	34.64	27.08	6.5
3453	39 1/2 x 62 1/2	34.64	23.46	5.6	34.64	27.58	6.6
3456	39 1/2 x 65 1/2	34.64	24.96	6.0	34.64	29.08	6.9
3460	39 1/2 x 71 1/2	34.64	25.59	6.1	N/A	N/A	N/A
3462	39 1/2 x 73 1/2	34.64	26.59	6.3	N/A	N/A	N/A
3830	43 1/2 x 35 1/2	38.64	9.96	2.6	N/A	N/A	N/A
3832	43 1/2 x 37 1/2	38.64	10.96	2.9	N/A	N/A	N/A
3838	43 1/2 x 43 1/2	38.64	13.96	3.7	N/A	N/A	N/A
3840	43 1/2 x 47 1/2	38.64	15.96	4.2	N/A	N/A	N/A
3844	43 1/2 x 51 1/2	38.64	17.96	4.8	38.64	22.08	5.9
3846	43 1/2 x 53 1/2	38.64	18.96	5.0	38.64	23.08	6.1
3850	43 1/2 x 59 1/2	38.64	21.96	5.8	38.64	26.08	6.9
3852	43 1/2 x 61 1/2	38.64	20.59	5.5	38.64	27.08	7.2
3853	43 1/2 x 62 1/2	38.64	21.09	5.6	38.64	27.58	7.4
3856	43 1/2 x 65 1/2	38.64	22.59	6.0	38.64	29.08	7.8
3860	43 1/2 x 71 1/2	38.64	25.59	6.8	N/A	N/A	N/A
3862	43 1/2 x 73 1/2	38.64	26.59	7.1	N/A	N/A	N/A
4030	47 1/2 x 35 1/2	42.64	9.96	2.9	N/A	N/A	N/A
4032	47 1/2 x 37 1/2	42.64	10.96	3.2	N/A	N/A	N/A
4038	47 1/2 x 43 1/2	42.64	13.96	4.1	N/A	N/A	N/A
4040	47 1/2 x 47 1/2	42.64	15.96	4.7	N/A	N/A	N/A
4044	47 1/2 x 51 1/2	42.64	17.96	5.3	42.64	22.08	6.5
4046	47 1/2 x 53 1/2	42.64	18.96	5.6	42.64	23.08	6.8
4050	47 1/2 x 59 1/2	42.64	19.59	5.8	42.64	26.08	7.7
4052	47 1/2 x 61 1/2	42.64	20.59	6.0	42.64	27.08	8.0
4053	47 1/2 x 62 1/2	42.64	21.09	6.2	42.64	27.58	8.1
4056	47 1/2 x 65 1/2	42.64	22.59	6.6	42.64	29.08	8.6
4060	47 1/2 x 71 1/2	42.64	25.59	7.5	N/A	N/A	N/A
4062	47 1/2 x 73 1/2	42.64	26.59	7.8	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE

Single Hung – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
			Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
18210W	110301	21 1/2 x 36 1/2	16.64	10.46	1.2	N/A	N/A	N/A
1832W	110305	21 1/2 x 40 1/2	16.64	12.46	1.4	N/A	N/A	N/A
18310W	110401	21 1/2 x 48 1/2	16.64	16.46	1.9	16.64	20.58	2.3
1842W	110405	21 1/2 x 52 1/2	16.64	18.46	2.1	16.64	22.58	2.6
1846W	110409	21 1/2 x 56 1/2	16.64	20.46	2.3	16.64	24.58	2.8
1849W	110500	21 1/2 x 59 1/2	16.64	21.96	2.5	16.64	26.08	3.0
1852W	110505	21 1/2 x 64 1/2	16.64	24.46	2.8	16.64	28.58	3.3
1856W	110509	21 1/2 x 68 1/2	16.64	26.46	3.0	16.64	30.58	3.5
1862W	110605	21 1/2 x 76 1/2	16.64	30.46	3.5	N/A	N/A	N/A
20210W	202301	25 1/2 x 36 1/2	20.64	10.46	1.4	N/A	N/A	N/A
2032W	202305	25 1/2 x 40 1/2	20.64	12.46	1.7	N/A	N/A	N/A
20310W	202401	25 1/2 x 48 1/2	20.64	16.46	2.3	20.64	20.58	2.9
2042W	202405	25 1/2 x 52 1/2	20.64	18.46	2.6	20.64	22.58	3.2
2046W	202409	25 1/2 x 56 1/2	20.64	20.46	2.9	20.64	24.58	3.5
2049W	202500	25 1/2 x 59 1/2	20.64	21.96	3.1	20.64	26.08	3.7
2052W	202505	25 1/2 x 64 1/2	20.64	24.46	3.5	20.64	28.58	4.0
2056W	202509	25 1/2 x 68 1/2	20.64	26.46	3.7	20.64	30.58	4.3
2062W	202605	25 1/2 x 76 1/2	20.64	30.46	4.3	N/A	N/A	N/A
24210W	206301	29 1/2 x 36 1/2	24.64	10.46	1.7	N/A	N/A	N/A
2432W	206305	29 1/2 x 40 1/2	24.64	12.46	2.1	N/A	N/A	N/A
24310W	206401	29 1/2 x 48 1/2	24.64	16.46	2.8	24.64	20.58	3.5
2442W	206405	29 1/2 x 52 1/2	24.64	18.46	3.1	24.64	22.58	3.8
2446W	206409	29 1/2 x 56 1/2	24.64	20.46	3.5	24.64	24.58	4.2
2449W	206500	29 1/2 x 59 1/2	24.64	21.96	3.7	24.64	26.08	4.4
2452W	206505	29 1/2 x 64 1/2	24.64	24.46	4.1	24.64	28.58	4.9
2456W	206509	29 1/2 x 68 1/2	24.64	26.46	4.5	24.64	30.58	4.8
2462W	206605	29 1/2 x 76 1/2	24.64	30.46	5.2	N/A	N/A	N/A
28210W	210301	33 1/2 x 36 1/2	28.64	10.46	2.0	N/A	N/A	N/A
2832W	210305	33 1/2 x 40 1/2	28.64	12.46	2.4	N/A	N/A	N/A
28310W	210401	33 1/2 x 48 1/2	28.64	16.46	3.2	28.64	20.58	4.0
2842W	210405	33 1/2 x 52 1/2	28.64	18.46	3.6	28.64	22.58	4.4
2846W	210409	33 1/2 x 56 1/2	28.64	20.46	4.0	28.64	24.58	4.8
2849W	210500	33 1/2 x 59 1/2	28.64	21.96	4.3	28.64	26.08	5.1
2852W	210505	33 1/2 x 64 1/2	28.64	24.46	4.8	28.64	28.58	5.6
2856W	210509	33 1/2 x 68 1/2	28.64	26.46	5.2	28.64	30.58	6.0
2862W	210605	33 1/2 x 76 1/2	28.64	30.46	6.0	N/A	N/A	N/A
30210W	302301	37 1/2 x 36 1/2	32.64	10.46	2.3	N/A	N/A	N/A
3032W	302305	37 1/2 x 40 1/2	32.64	12.46	2.8	N/A	N/A	N/A
30310W	302401	37 1/2 x 48 1/2	32.64	16.46	3.7	32.64	20.58	4.6
3042W	302405	37 1/2 x 52 1/2	32.64	18.46	4.1	32.64	22.58	5.1
3046W	302409	37 1/2 x 56 1/2	32.64	20.46	4.6	32.64	24.58	5.5
3049W	302500	37 1/2 x 59 1/2	32.64	21.96	4.9	32.64	26.08	5.9
3052W	302505	37 1/2 x 64 1/2	32.64	24.46	5.5	32.64	28.58	6.4
3056W	302509	37 1/2 x 68 1/2	32.64	26.46	5.9	32.64	30.58	6.9
3062W	302605	37 1/2 x 76 1/2	32.64	28.09	6.3	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress
Manufactured with maximum clearance hardware standard

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Wood Stock Sizes continued on page 33.

STANDARD HARDWARE GUIDE

Wood Stock Sizes continued from page 32.

Single Hung – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
			Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
34210W	306301	41 1/2 x 36 1/2	36.64	10.46	2.6	N/A	N/A	N/A
3432W	306305	41 1/2 x 40 1/2	36.64	12.46	3.1	N/A	N/A	N/A
34310W	306401	41 1/2 x 48 1/2	36.64	16.46	4.1	36.64	20.58	5.2
3442W	306405	41 1/2 x 52 1/2	36.64	18.46	4.6	36.64	22.58	5.7
3446W	306409	41 1/2 x 56 1/2	36.64	20.46	5.2	36.64	24.58	6.2
3449W	306500	41 1/2 x 59 1/2	36.64	21.96	5.5	36.64	26.08	6.6
3452W	306505	41 1/2 x 64 1/2	36.64	22.09	5.6	36.64	28.58	7.2
3456W	306509	41 1/2 x 68 1/2	36.64	24.09	6.1	36.64	30.58	7.7
3462W	306605	41 1/2 x 76 1/2	36.64	28.09	7.1	N/A	N/A	N/A
38210W	310301	45 1/2 x 36 1/2	40.64	10.46	2.9	N/A	N/A	N/A
3832W	310305	45 1/2 x 40 1/2	40.64	12.46	3.5	N/A	N/A	N/A
38310W	310401	45 1/2 x 48 1/2	40.64	16.46	4.6	40.64	20.58	5.8
3842W	310405	45 1/2 x 52 1/2	40.64	18.46	5.2	40.64	22.58	6.3
3846W	310409	45 1/2 x 56 1/2	40.64	20.46	5.7	40.64	24.58	6.9
3849W	310500	45 1/2 x 59 1/2	40.64	19.59	5.5	40.64	26.08	7.3
3852W	310505	45 1/2 x 64 1/2	40.64	22.09	6.2	40.64	28.58	8.0
3856W	310509	45 1/2 x 68 1/2	40.64	24.09	6.7	40.64	30.58	8.6
3862W	310605	45 1/2 x 76 1/2	40.64	28.09	7.9	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE

Double Hung – Vinyl Stock Sizes

Vinyl Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
1830	19 1/2 x 35 1/2	15.51	8.70	0.9	N/A	N/A	N/A
1832	19 1/2 x 37 1/2	15.51	9.70	1.0	N/A	N/A	N/A
1838	19 1/2 x 43 1/2	15.51	12.70	1.3	N/A	N/A	N/A
1840	19 1/2 x 47 1/2	15.51	14.70	1.5	15.51	18.17	1.9
1844	19 1/2 x 51 1/2	15.51	16.70	1.7	15.51	20.17	2.1
1846	19 1/2 x 53 1/2	15.51	17.70	1.9	15.51	21.17	2.2
1850	19 1/2 x 59 1/2	15.51	20.70	2.2	15.51	24.17	2.6
1852	19 1/2 x 61 1/2	15.51	21.70	2.3	15.51	25.17	2.7
1853	19 1/2 x 62 1/2	15.51	22.20	2.3	15.51	25.67	2.7
1856	19 1/2 x 65 1/2	15.51	23.70	2.5	15.51	27.17	2.9
1860	19 1/2 x 71 1/2	15.51	26.70	2.8	N/A	N/A	N/A
1862	19 1/2 x 73 1/2	15.51	27.70	2.9	N/A	N/A	N/A
2030	23 1/2 x 35 1/2	19.51	8.70	1.1	N/A	N/A	N/A
2032	23 1/2 x 37 1/2	19.51	9.70	1.3	N/A	N/A	N/A
2038	23 1/2 x 43 1/2	19.51	12.70	1.7	N/A	N/A	N/A
2040	23 1/2 x 47 1/2	19.51	14.70	1.9	19.51	18.17	2.4
2044	23 1/2 x 51 1/2	19.51	16.70	2.2	19.51	20.17	2.7
2046	23 1/2 x 53 1/2	19.51	17.70	2.3	19.51	21.17	2.8
2050	23 1/2 x 59 1/2	19.51	20.70	2.8	19.51	24.17	3.2
2052	23 1/2 x 61 1/2	19.51	21.70	2.9	19.51	25.17	3.4
2053	23 1/2 x 62 1/2	19.51	22.20	3.0	19.51	25.67	3.4
2056	23 1/2 x 65 1/2	19.51	23.70	3.2	19.51	27.17	3.6
2060	23 1/2 x 71 1/2	19.51	26.70	3.6	N/A	N/A	N/A
2062	23 1/2 x 73 1/2	19.51	27.70	3.7	N/A	N/A	N/A
2430	27 1/2 x 35 1/2	23.51	8.70	1.4	N/A	N/A	N/A
2432	27 1/2 x 37 1/2	23.51	9.70	1.5	N/A	N/A	N/A
2438	27 1/2 x 43 1/2	23.51	12.70	2.0	N/A	N/A	N/A
2440	27 1/2 x 47 1/2	23.51	14.70	2.4	23.51	18.17	2.9
2444	27 1/2 x 51 1/2	23.51	16.70	2.7	23.51	20.17	3.2
2446	27 1/2 x 53 1/2	23.51	17.70	2.8	23.51	21.17	3.4
2450	27 1/2 x 59 1/2	23.51	20.70	3.3	23.51	24.17	3.9
2452	27 1/2 x 61 1/2	23.51	21.70	3.5	23.51	25.17	4.1
2453	27 1/2 x 62 1/2	23.51	22.20	3.6	23.51	25.67	4.1
2456	27 1/2 x 65 1/2	23.51	23.70	3.8	23.51	27.17	4.4
2460	27 1/2 x 71 1/2	23.51	26.70	4.3	N/A	N/A	N/A
2462	27 1/2 x 73 1/2	23.51	27.70	4.5	N/A	N/A	N/A
2830	31 1/2 x 35 1/2	27.51	8.70	1.6	N/A	N/A	N/A
2832	31 1/2 x 37 1/2	27.51	9.70	1.8	N/A	N/A	N/A
2838	31 1/2 x 43 1/2	27.51	12.70	2.4	N/A	N/A	N/A
2840	31 1/2 x 47 1/2	27.51	14.70	2.8	27.51	18.17	3.4
2844	31 1/2 x 51 1/2	27.51	16.70	3.1	27.51	20.17	3.8
2846	31 1/2 x 53 1/2	27.51	17.70	3.3	27.51	21.17	4.0
2850	31 1/2 x 59 1/2	27.51	20.70	3.9	27.51	24.17	4.6
2852	31 1/2 x 61 1/2	27.51	21.70	4.1	27.51	25.17	4.8
2853	31 1/2 x 62 1/2	27.51	22.20	4.2	27.51	25.67	4.9
2856	31 1/2 x 65 1/2	27.51	23.70	4.5	27.51	27.17	5.1
2860	31 1/2 x 71 1/2	27.51	26.70	5.1	N/A	N/A	N/A
2862	31 1/2 x 73 1/2	27.51	27.70	5.2	N/A	N/A	N/A

**Meets 20"W, 24"H and 5.7 sq. ft egress
Manufactured with maximum clearance hardware standard**

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Vinyl Stock Sizes continued on page 35.

STANDARD HARDWARE GUIDE

Vinyl Stock Sizes continued from page 34.

Double Hung – Vinyl Stock Sizes

Vinyl Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
		Manufactured Clear Opening Size W x H	Square Footage		Manufactured Clear Opening Size W x H	Square Footage	
3030	35 1/2 x 35 1/2	31.51	8.70	1.9	N/A	N/A	N/A
3032	35 1/2 x 37 1/2	31.51	9.70	2.1	N/A	N/A	N/A
3038	35 1/2 x 43 1/2	31.51	12.70	2.7	N/A	N/A	N/A
3040	35 1/2 x 47 1/2	31.51	14.70	3.2	31.51	18.17	3.9
3044	35 1/2 x 51 1/2	31.51	16.70	3.6	31.51	20.17	4.4
3046	35 1/2 x 53 1/2	31.51	17.70	3.8	31.51	21.17	4.6
3050	35 1/2 x 59 1/2	31.51	20.70	4.5	31.51	24.17	5.2
3052	35 1/2 x 61 1/2	31.51	21.70	4.7	31.51	25.17	5.5
3053	35 1/2 x 62 1/2	31.51	22.20	4.8	31.51	26.06	5.7
3056	35 1/2 x 65 1/2	31.51	23.70	5.1	31.51	27.17	5.9
3060	35 1/2 x 71 1/2	31.51	26.70	5.8	N/A	N/A	N/A
3062	35 1/2 x 73 1/2	31.51	27.70	6.0	N/A	N/A	N/A
3430	39 1/2 x 35 1/2	35.51	8.70	2.1	N/A	N/A	N/A
3432	39 1/2 x 37 1/2	35.51	9.70	2.3	N/A	N/A	N/A
3438	39 1/2 x 43 1/2	35.51	12.70	3.1	N/A	N/A	N/A
3440	39 1/2 x 47 1/2	35.51	14.70	3.6	35.51	18.17	4.4
3444	39 1/2 x 51 1/2	35.51	16.70	4.1	35.51	20.17	4.9
3446	39 1/2 x 53 1/2	35.51	17.70	4.3	35.51	21.17	5.2
3450	39 1/2 x 59 1/2	35.51	20.70	5.1	35.51	24.17	5.9
3452	39 1/2 x 61 1/2	35.51	21.70	5.3	35.51	25.17	6.1
3453	39 1/2 x 62 1/2	35.51	22.20	5.4	35.51	25.67	6.3
3456	39 1/2 x 65 1/2	35.51	23.70	5.8	35.51	27.17	6.6
3460	39 1/2 x 71 1/2	35.51	24.33	5.9	N/A	N/A	N/A
3462	39 1/2 x 73 1/2	35.51	25.33	6.2	N/A	N/A	N/A
3830	43 1/2 x 35 1/2	39.51	8.70	2.3	N/A	N/A	N/A
3832	43 1/2 x 37 1/2	39.51	9.70	2.6	N/A	N/A	N/A
3838	43 1/2 x 43 1/2	39.51	12.70	3.4	N/A	N/A	N/A
3840	43 1/2 x 47 1/2	39.51	14.70	4.0	39.51	18.17	4.9
3844	43 1/2 x 51 1/2	39.51	16.70	4.5	39.51	20.17	5.5
3846	43 1/2 x 53 1/2	39.51	17.70	4.8	39.51	21.17	5.8
3850	43 1/2 x 59 1/2	39.51	20.70	5.6	39.51	24.17	6.6
3852	43 1/2 x 61 1/2	39.51	19.33	5.3	39.51	25.17	6.9
3853	43 1/2 x 62 1/2	39.51	19.83	5.4	39.51	25.67	7.0
3856	43 1/2 x 65 1/2	39.51	21.33	5.8	39.51	27.17	7.4
3860	43 1/2 x 71 1/2	39.51	24.33	6.6	N/A	N/A	N/A
3862	43 1/2 x 73 1/2	39.51	25.33	6.9	N/A	N/A	N/A
4030	47 1/2 x 35 1/2	43.51	8.70	2.6	N/A	N/A	N/A
4032	47 1/2 x 37 1/2	43.51	9.70	2.9	N/A	N/A	N/A
4038	47 1/2 x 43 1/2	43.51	12.70	3.8	N/A	N/A	N/A
4040	47 1/2 x 47 1/2	43.51	14.70	4.4	43.51	18.17	5.4
4044	47 1/2 x 51 1/2	43.51	16.70	5.0	43.51	20.17	6.0
4046	47 1/2 x 53 1/2	43.51	17.70	5.3	43.51	21.17	6.3
4050	47 1/2 x 59 1/2	43.51	18.33	5.5	43.51	24.17	7.3
4052	47 1/2 x 61 1/2	43.51	19.33	5.8	43.51	25.17	7.6
4053	47 1/2 x 62 1/2	43.51	19.83	5.9	43.51	25.67	7.7
4056	47 1/2 x 65 1/2	43.51	21.33	6.4	N/A	N/A	N/A
4060	47 1/2 x 71 1/2	43.51	24.33	7.3	N/A	N/A	N/A
4062	47 1/2 x 73 1/2	43.51	25.33	7.6	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE

Double Hung – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
			Manufactured Clear Opening Size W x H	Square Footage	Manufactured Clear Opening Size W x H	Square Footage	Square Footage	
18210W	110301	21 1/2 x 36 1/2	17.51	9.20	1.1	N/A	N/A	N/A
1832W	110305	21 1/2 x 40 1/2	17.51	11.20	1.3	N/A	N/A	N/A
18310W	110401	21 1/2 x 48 1/2	17.51	15.20	1.8	17.51	18.67	2.2
1842W	110405	21 1/2 x 52 1/2	17.51	17.20	2.0	17.51	20.67	2.5
1846W	110409	21 1/2 x 56 1/2	17.51	19.20	2.3	17.51	22.67	2.7
1849W	110500	21 1/2 x 59 1/2	17.51	20.70	2.5	17.51	24.17	2.9
1852W	110505	21 1/2 x 64 1/2	17.51	23.20	2.8	17.51	26.67	3.2
1856W	110509	21 1/2 x 68 1/2	17.51	25.20	3.0	17.51	28.67	3.4
1862W	110605	21 1/2 x 76 1/2	17.51	29.20	3.5	N/A	N/A	N/A
20210W	202301	25 1/2 x 36 1/2	21.51	9.20	1.3	N/A	N/A	N/A
2032W	202305	25 1/2 x 40 1/2	21.51	11.20	1.6	N/A	N/A	N/A
20310W	202401	25 1/2 x 48 1/2	21.51	15.20	2.2	21.51	18.67	2.7
2042W	202405	25 1/2 x 52 1/2	21.51	17.20	2.5	21.51	20.67	3.0
2046W	202409	25 1/2 x 56 1/2	21.51	19.20	2.8	21.51	22.67	3.3
2049W	202500	25 1/2 x 59 1/2	21.51	20.70	3.0	21.51	24.17	3.6
2052W	202505	25 1/2 x 64 1/2	21.51	23.20	3.4	21.51	26.67	3.9
2056W	202509	25 1/2 x 68 1/2	21.51	25.20	3.7	21.51	28.67	4.2
2062W	202605	25 1/2 x 76 1/2	21.51	29.20	4.3	N/A	N/A	N/A
24210W	206301	29 1/2 x 36 1/2	25.51	9.20	1.6	N/A	N/A	N/A
2432W	206305	29 1/2 x 40 1/2	25.51	11.20	1.9	N/A	N/A	N/A
24310W	206401	29 1/2 x 48 1/2	25.51	15.20	2.6	25.51	18.67	3.3
2442W	206405	29 1/2 x 52 1/2	25.51	17.20	3.0	25.51	20.67	3.6
2446W	206409	29 1/2 x 56 1/2	25.51	19.20	3.4	25.51	22.67	4.0
2449W	206500	29 1/2 x 59 1/2	25.51	20.70	3.6	25.51	24.17	4.2
2452W	206505	29 1/2 x 64 1/2	25.51	23.20	4.1	25.51	26.67	4.7
2456W	206509	29 1/2 x 68 1/2	25.51	25.20	4.4	25.51	28.67	5.0
2462W	206605	29 1/2 x 76 1/2	25.51	29.20	5.1	N/A	N/A	N/A
28210W	210301	33 1/2 x 36 1/2	29.51	9.20	1.8	N/A	N/A	N/A
2832W	210305	33 1/2 x 40 1/2	29.51	11.20	2.2	N/A	N/A	N/A
28310W	210401	33 1/2 x 48 1/2	29.51	15.20	3.1	29.51	18.67	3.8
2842W	210405	33 1/2 x 52 1/2	29.51	17.20	3.5	29.51	20.67	4.2
2846W	210409	33 1/2 x 56 1/2	29.51	19.20	3.9	29.51	22.67	4.6
2849W	210500	33 1/2 x 59 1/2	29.51	20.70	4.2	29.51	24.17	4.9
2852W	210505	33 1/2 x 64 1/2	29.51	23.20	4.7	29.51	26.67	5.4
2856W	210509	33 1/2 x 68 1/2	29.51	25.20	5.1	29.51	28.67	5.8
2862W	210605	33 1/2 x 76 1/2	29.51	29.20	5.9	N/A	N/A	N/A
30210W	302301	37 1/2 x 36 1/2	33.51	9.20	2.1	N/A	N/A	N/A
3032W	302305	37 1/2 x 40 1/2	33.51	11.20	2.6	N/A	N/A	N/A
30310W	302401	37 1/2 x 48 1/2	33.51	15.20	3.5	33.51	18.67	4.3
3042W	302405	37 1/2 x 52 1/2	33.51	17.20	4.0	33.51	20.67	4.8
3046W	302409	37 1/2 x 56 1/2	33.51	19.20	4.4	33.51	22.67	5.2
3049W	302500	37 1/2 x 59 1/2	33.51	20.70	4.8	33.51	24.56	5.7
3052W	302505	37 1/2 x 64 1/2	33.51	23.20	5.3	33.51	26.67	6.2
3056W	302509	37 1/2 x 68 1/2	33.51	25.20	5.8	33.51	28.67	6.6
3062W	302605	37 1/2 x 76 1/2	33.51	26.83	6.2	N/A	N/A	N/A

**Meets 20"W, 24"H and 5.7 sq. ft egress
Manufactured with maximum clearance hardware standard**

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Wood Stock Sizes continued on page 37.

STANDARD HARDWARE GUIDE

Wood Stock Sizes continued from page 36.

Double Hung – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
			Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
34210W	306301	41 1/2 x 36 1/2	37.51	9.20	2.3	N/A	N/A	N/A
3432W	306305	41 1/2 x 40 1/2	37.51	11.20	2.9	N/A	N/A	N/A
34310W	306401	41 1/2 x 48 1/2	37.51	15.20	3.9	37.51	18.67	4.8
3442W	306405	41 1/2 x 52 1/2	37.51	17.20	4.4	37.51	20.67	5.3
3446W	306409	41 1/2 x 56 1/2	37.51	19.20	5.0	37.51	22.67	5.9
3449W	306500	41 1/2 x 59 1/2	37.51	20.70	5.3	37.51	24.17	6.2
3452W	306505	41 1/2 x 64 1/2	37.51	20.83	5.4	37.51	26.67	6.9
3456W	306509	41 1/2 x 68 1/2	37.51	22.83	5.9	37.51	28.67	7.4
3462W	306605	41 1/2 x 76 1/2	37.51	26.83	6.9	N/A	N/A	N/A
38210W	310301	45 1/2 x 36 1/2	41.51	9.20	2.6	N/A	N/A	N/A
3832W	310305	45 1/2 x 40 1/2	41.51	11.20	3.2	N/A	N/A	N/A
38310W	310401	45 1/2 x 48 1/2	41.51	15.20	4.3	41.51	18.67	5.3
3842W	310405	45 1/2 x 52 1/2	41.51	17.20	4.9	41.51	20.67	5.9
3846W	310409	45 1/2 x 56 1/2	41.51	19.20	5.5	41.51	22.67	6.5
3849W	310500	45 1/2 x 59 1/2	41.51	18.33	5.2	41.51	24.17	6.9
3852W	310505	45 1/2 x 64 1/2	41.51	20.83	6.0	41.51	26.67	7.6
3856W	310509	45 1/2 x 68 1/2	41.51	22.83	6.5	N/A	N/A	N/A
3862W	310605	45 1/2 x 76 1/2	41.51	26.83	7.7	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE
Single Slider – Stock Sizes

Stock Sizes	Unit Size W x H	With Sash			With Sash Removed		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
2020	23 1/2 x 23 1/2	7.97	18.64	1.0	7.97	18.64	1.0
2030	23 1/2 x 35 1/2	7.97	30.64	1.6	7.97	30.64	1.6
3020	35 1/2 x 23 1/2	13.97	18.64	1.8	13.97	18.64	1.8
3030	35 1/2 x 35 1/2	13.97	30.64	2.9	13.97	30.64	2.9
3040	35 1/2 x 47 1/2	13.97	42.64	4.1	13.97	42.64	4.1
3050	35 1/2 x 59 1/2	13.97	54.64	5.3	13.97	54.64	5.3
4020	47 1/2 x 23 1/2	19.97	18.64	2.5	19.97	18.64	2.5
4030	47 1/2 x 35 1/2	19.97	30.64	4.2	19.97	30.64	4.2
4040	47 1/2 x 47 1/2	19.97	42.64	5.9	19.97	42.64	5.9
4050	47 1/2 x 59 1/2	19.97	54.64	7.5	19.97	54.64	7.5
4120	48 1/2 x 23 1/2	20.47	18.64	2.6	20.47	18.64	2.6
4130	48 1/2 x 35 1/2	20.47	30.64	4.3	20.47	30.64	4.3
4140	48 1/2 x 47 1/2	20.47	42.64	6.0	20.47	42.64	6.0
4150	48 1/2 x 59 1/2	20.47	54.64	7.7	20.47	54.64	7.7
5020	59 1/2 x 23 1/2	25.97	18.64	3.3	25.97	18.64	3.3
5030	59 1/2 x 35 1/2	25.97	30.64	5.5	25.97	30.64	5.5
5040	59 1/2 x 47 1/2	25.97	42.64	7.6	25.97	42.64	7.6
5050	59 1/2 x 59 1/2	25.97	54.64	9.8	25.97	54.64	9.8
6020	71 1/2 x 23 1/2	31.97	18.64	4.1	31.97	18.64	4.1
6030	71 1/2 x 35 1/2	31.97	30.64	6.8	31.97	30.64	6.8
6040	71 1/2 x 47 1/2	31.97	42.64	9.4	31.97	42.64	9.4
6050	71 1/2 x 59 1/2	31.97	54.64	12.1	31.97	54.64	12.1

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE

3-lite Slider (1/3-1/3-1/3)

Stock Sizes	Unit Size W x H	With Sash			With Sash Removed		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
6030	71 1/2 x 35 1/2	20.22	30.64	4.3	20.22	30.64	4.3
6040	71 1/2 x 47 1/2	20.22	42.64	5.9	20.22	42.64	5.9
6050	71 1/2 x 59 1/2	20.22	54.64	7.6	20.22	54.64	7.6
7030	83 1/2 x 35 1/2	24.22	30.64	5.1	24.22	30.64	5.1
7040	83 1/2 x 47 1/2	24.22	42.64	7.1	24.22	42.64	7.1
7050	83 1/2 x 59 1/2	24.22	54.64	9.1	24.22	54.64	9.1
8030	95 1/2 x 35 1/2	28.22	30.64	6.0	28.22	30.64	6.0
8040	95 1/2 x 47 1/2	28.22	42.64	8.3	28.22	42.64	8.3
8050	95 1/2 x 59 1/2	28.22	54.64	10.7	28.22	54.64	10.7
9030	107 1/2 x 35 1/2	32.22	30.64	6.8	32.22	30.64	6.8
9040	107 1/2 x 47 1/2	32.22	42.64	9.5	32.22	42.64	9.5
9050	107 1/2 x 59 1/2	32.22	54.64	12.2	32.22	54.64	12.2

3-lite Slider (1/4-1/2-1/4)

Stock Sizes	Unit Size W x H	With Sash			With Sash Removed		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
6030	71 1/2 x 35 1/2	14.26	30.64	3.0	14.26	30.64	3.0
6040	71 1/2 x 47 1/2	14.26	42.64	4.2	14.26	42.64	4.2
6050	71 1/2 x 59 1/2	14.26	54.64	5.4	14.26	54.64	5.4
7030	83 1/2 x 35 1/2	17.26	30.64	3.6	17.26	30.64	3.6
7040	83 1/2 x 47 1/2	17.26	42.64	5.1	17.26	42.64	5.1
7050	83 1/2 x 59 1/2	17.26	54.64	6.5	17.26	54.64	6.5
8030	95 1/2 x 35 1/2	20.26	30.64	4.3	20.26	30.64	4.3
8040	95 1/2 x 47 1/2	20.26	42.64	6.0	20.26	42.64	6.0
8050	95 1/2 x 59 1/2	20.26	54.64	7.6	20.26	54.64	7.6
9030	107 1/2 x 35 1/2	23.26	30.64	4.9	23.26	30.64	4.9
9040	107 1/2 x 47 1/2	23.26	42.64	6.8	23.26	42.64	6.8
9050	107 1/2 x 59 1/2	23.26	54.64	8.8	23.26	54.64	8.8

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE
Casement – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
1616	17 1/2 x 17 1/2	5.00	11.69	0.4	9.38	11.69	0.7
1620	17 1/2 x 23 1/2	5.00	17.69	0.6	9.38	17.69	1.1
1626	17 1/2 x 29 1/2	5.00	23.69	0.8	9.38	23.69	1.5
1630	17 1/2 x 35 1/2	5.00	29.69	1.0	9.38	29.69	1.9
1638	17 1/2 x 43 1/2	5.00	37.69	1.3	9.38	37.69	2.4
1640	17 1/2 x 47 1/2	5.00	41.69	1.4	9.38	41.69	2.7
1650	17 1/2 x 59 1/2	5.00	53.69	1.8	9.38	53.69	3.4
1660	17 1/2 x 71 1/2	5.00	65.69	2.2	N/A	N/A	N/A
2020	23 1/2 x 23 1/2	11.00	17.69	1.3	15.38	17.69	1.8
2026	23 1/2 x 29 1/2	11.00	23.69	1.8	15.38	23.69	2.5
2030	23 1/2 x 35 1/2	11.00	29.69	2.2	15.38	29.69	3.1
2038	23 1/2 x 43 1/2	11.00	37.69	2.8	15.38	37.69	4.0
2040	23 1/2 x 47 1/2	11.00	41.69	3.1	15.38	41.69	4.4
2050	23 1/2 x 59 1/2	11.00	53.69	4.1	15.38	53.69	5.7
2060	23 1/2 x 71 1/2	11.00	65.69	5.0	N/A	N/A	N/A
2424	27 1/2 x 27 1/2	15.00	21.69	2.2	19.38	21.69	2.9
2426	27 1/2 x 29 1/2	15.00	23.69	2.4	19.38	23.69	3.1
2430	27 1/2 x 35 1/2	15.00	29.69	3.0	19.38	29.69	3.9
2438	27 1/2 x 43 1/2	15.00	37.69	3.9	19.38	37.69	5.0
2440	27 1/2 x 47 1/2	15.00	41.69	4.3	19.38	41.69	5.6
2450	27 1/2 x 59 1/2	15.00	53.69	5.5	19.38	53.69	7.2
2460	27 1/2 x 71 1/2	15.00	65.69	6.8	N/A	N/A	N/A
2828	31 1/2 x 31 1/2	19.00	25.69	3.3	23.38	25.69	4.1
2830	31 1/2 x 35 1/2	19.00	29.69	3.9	23.38	29.69	4.8
2838	31 1/2 x 43 1/2	19.00	37.69	4.9	23.38	37.69	6.1
2840	31 1/2 x 47 1/2	19.00	41.69	5.5	23.38	41.69	6.7
2850	31 1/2 x 59 1/2	19.00	53.69	7.0	23.38	53.69	8.7
2860	31 1/2 x 71 1/2	19.00	65.69	8.6	N/A	N/A	N/A
3030	35 1/2 x 35 1/2	23.00	29.69	4.7	N/A	N/A	N/A
3038	35 1/2 x 43 1/2	23.00	37.69	6.0	N/A	N/A	N/A
3040	35 1/2 x 47 1/2	23.00	41.69	6.6	N/A	N/A	N/A
3050	35 1/2 x 59 1/2	23.00	53.69	8.5	N/A	N/A	N/A
3060	35 1/2 x 71 1/2	23.00	65.69	10.4	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

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STANDARD HARDWARE GUIDE

Casement – Stock Sizes

Stock Sizes	Unit Size W x H	Standard Hardware			Maximum Clearance Hardware		
		Manufactured Clear Opening Size W x H		Square Footage	Manufactured Clear Opening Size W x H		Square Footage
109109	20 1/2 x 20 1/2	8.00	14.69	0.8	12.38	14.69	1.2
109201	20 1/2 x 24 1/2	8.00	18.69	1.0	12.38	18.69	1.6
109211	20 1/2 x 34 1/2	8.00	28.69	1.5	12.38	28.69	2.4
109305	20 1/2 x 40 1/2	8.00	34.69	1.9	12.38	34.69	2.9
109311	20 1/2 x 46 1/2	8.00	40.69	2.2	12.38	40.69	3.4
109405	20 1/2 x 52 1/2	8.00	46.69	2.5	12.38	46.69	4.0
109411	20 1/2 x 58 1/2	8.00	52.69	2.9	12.38	52.69	4.5
109505	20 1/2 x 64 1/2	8.00	58.69	3.2	N/A	N/A	N/A
111111	22 1/2 x 22 1/2	10.00	16.69	1.1	14.38	16.69	1.6
111201	22 1/2 x 24 1/2	10.00	18.69	1.2	14.38	18.69	1.8
111211	22 1/2 x 34 1/2	10.00	28.69	1.9	14.38	28.69	2.8
111305	22 1/2 x 40 1/2	10.00	34.69	2.4	14.38	34.69	3.4
111311	22 1/2 x 46 1/2	10.00	40.69	2.8	14.38	40.69	4.0
111405	22 1/2 x 52 1/2	10.00	46.69	3.2	14.38	46.69	4.6
111411	22 1/2 x 58 1/2	10.00	52.69	3.6	14.38	52.69	5.2
111505	22 1/2 x 64 1/2	10.00	58.69	4.0	N/A	N/A	N/A
201201	24 1/2 x 24 1/2	12.00	18.69	1.5	16.38	18.69	2.1
201211	24 1/2 x 34 1/2	12.00	28.69	2.3	16.38	28.69	3.2
201305	24 1/2 x 40 1/2	12.00	34.69	2.8	16.38	34.69	3.9
201311	24 1/2 x 46 1/2	12.00	40.69	3.3	16.38	40.69	4.6
201405	24 1/2 x 52 1/2	12.00	46.69	3.8	16.38	46.69	5.3
201411	24 1/2 x 58 1/2	12.00	52.69	4.3	16.38	52.69	5.9
201505	24 1/2 x 64 1/2	12.00	58.69	4.8	N/A	N/A	N/A
205201	28 1/2 x 24 1/2	16.00	18.69	2.0	20.38	18.69	2.6
205205	28 1/2 x 28 1/2	16.00	22.69	2.5	20.38	22.69	3.2
205211	28 1/2 x 34 1/2	16.00	28.69	3.1	20.38	28.69	4.0
205305	28 1/2 x 40 1/2	16.00	34.69	3.8	20.38	34.69	4.9
205311	28 1/2 x 46 1/2	16.00	40.69	4.5	20.38	40.69	5.7
205405	28 1/2 x 52 1/2	16.00	46.69	5.1	20.38	46.69	6.6
205411	28 1/2 x 58 1/2	16.00	52.69	5.8	20.38	52.69	7.4
205505	28 1/2 x 64 1/2	16.00	58.69	6.5	N/A	N/A	N/A

Meets 20"W, 24"H and 5.7 sq. ft egress

Manufactured with maximum clearance hardware standard

Notes: Due to the many varied State and Municipal Building Codes, it is the sole responsibility of the individual architect, builder, contractor, developer or engineer and/or purchaser to insure that the windows comply with existing Building Codes.

Simonton Windows® cannot be responsible for: calculations and design of support mullions or structural support required for installation of a product, safety glazing requirements or ingress-egress requirements.

Please consult with your local building codes official prior to installing products. If you have questions concerning performance or options, please contact Simonton Windows®.

DAYLIGHT OPENING INFORMATION
Single Hung – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
1830	19 1/2 x 35 1/2	14.66 x 27.88	2.8	14.64 x 9.62	1.0
1832	19 1/2 x 37 1/2	14.66 x 29.88	3.0	14.64 x 10.62	1.1
1838	19 1/2 x 43 1/2	14.66 x 35.88	3.7	14.64 x 13.62	1.4
1840	19 1/2 x 47 1/2	14.66 x 39.88	4.1	14.64 x 15.62	1.6
1844	19 1/2 x 51 1/2	14.66 x 43.88	4.5	14.64 x 17.62	1.8
1846	19 1/2 x 53 1/2	14.66 x 45.88	4.7	14.64 x 18.62	1.9
1850	19 1/2 x 59 1/2	14.66 x 51.88	5.3	14.64 x 21.62	2.2
1852	19 1/2 x 61 1/2	14.66 x 53.88	5.5	14.64 x 22.62	2.3
1853	19 1/2 x 62 1/2	14.66 x 54.88	5.6	14.64 x 23.12	2.4
1856	19 1/2 x 65 1/2	14.66 x 57.88	5.9	14.64 x 24.62	2.5
1860	19 1/2 x 71 1/2	14.66 x 63.88	6.5	14.64 x 27.62	2.8
1862	19 1/2 x 73 1/2	14.66 x 65.88	6.7	14.64 x 28.62	2.9
2030	23 1/2 x 35 1/2	18.66 x 27.88	3.6	18.64 x 9.62	1.2
2032	23 1/2 x 37 1/2	18.66 x 29.88	3.9	18.64 x 10.62	1.4
2038	23 1/2 x 43 1/2	18.66 x 35.88	4.6	18.64 x 13.62	1.8
2040	23 1/2 x 47 1/2	18.66 x 39.88	5.2	18.64 x 15.62	2.0
2044	23 1/2 x 51 1/2	18.66 x 43.88	5.7	18.64 x 17.62	2.3
2046	23 1/2 x 53 1/2	18.66 x 45.88	5.9	18.64 x 18.62	2.4
2050	23 1/2 x 59 1/2	18.66 x 51.88	6.7	18.64 x 21.62	2.8
2052	23 1/2 x 61 1/2	18.66 x 53.88	7.0	18.64 x 22.62	2.9
2053	23 1/2 x 62 1/2	18.66 x 54.88	7.1	18.64 x 23.12	3.0
2056	23 1/2 x 65 1/2	18.66 x 57.88	7.5	18.64 x 24.62	3.2
2060	23 1/2 x 71 1/2	18.66 x 63.88	8.3	18.64 x 27.62	3.6
2062	23 1/2 x 73 1/2	18.66 x 65.88	8.5	18.64 x 28.62	3.7
2430	27 1/2 x 35 1/2	22.66 x 27.88	4.4	22.64 x 9.62	1.5
2432	27 1/2 x 37 1/2	22.66 x 29.88	4.7	22.64 x 10.62	1.7
2438	27 1/2 x 43 1/2	22.66 x 35.88	5.6	22.64 x 13.62	2.1
2440	27 1/2 x 47 1/2	22.66 x 39.88	6.3	22.64 x 15.62	2.5
2444	27 1/2 x 51 1/2	22.66 x 43.88	6.9	22.64 x 17.62	2.8
2446	27 1/2 x 53 1/2	22.66 x 45.88	7.2	22.64 x 18.62	2.9
2450	27 1/2 x 59 1/2	22.66 x 51.88	8.2	22.64 x 21.62	3.4
2452	27 1/2 x 61 1/2	22.66 x 53.88	8.5	22.64 x 22.62	3.6
2453	27 1/2 x 62 1/2	22.66 x 54.88	8.6	22.64 x 23.12	3.6
2456	27 1/2 x 65 1/2	22.66 x 57.88	9.1	22.64 x 24.62	3.9
2460	27 1/2 x 71 1/2	22.66 x 63.88	10.1	22.64 x 27.62	4.3
2462	27 1/2 x 73 1/2	22.66 x 65.88	10.4	22.64 x 28.62	4.5
2830	31 1/2 x 35 1/2	26.66 x 27.88	5.2	26.64 x 9.62	1.8
2832	31 1/2 x 37 1/2	26.66 x 29.88	5.5	26.64 x 10.62	2.0
2838	31 1/2 x 43 1/2	26.66 x 35.88	6.6	26.64 x 13.62	2.5
2840	31 1/2 x 47 1/2	26.66 x 39.88	7.4	26.64 x 15.62	2.9
2844	31 1/2 x 51 1/2	26.66 x 43.88	8.1	26.64 x 17.62	3.3
2846	31 1/2 x 53 1/2	26.66 x 45.88	8.5	26.64 x 18.62	3.4
2850	31 1/2 x 59 1/2	26.66 x 51.88	9.6	26.64 x 21.62	4.0
2852	31 1/2 x 61 1/2	26.66 x 53.88	10.0	26.64 x 22.62	4.2
2853	31 1/2 x 62 1/2	26.66 x 54.88	10.2	26.64 x 23.12	4.3
2856	31 1/2 x 65 1/2	26.66 x 57.88	10.7	26.64 x 24.62	4.6
2860	31 1/2 x 71 1/2	26.66 x 63.88	11.8	26.64 x 27.62	5.1
2862	31 1/2 x 73 1/2	26.66 x 65.88	12.2	26.64 x 28.62	5.3
3030	35 1/2 x 35 1/2	30.66 x 27.88	5.9	30.64 x 9.62	2.0
3032	35 1/2 x 37 1/2	30.66 x 29.88	6.4	30.64 x 10.62	2.3
3038	35 1/2 x 43 1/2	30.66 x 35.88	7.6	30.64 x 13.62	2.9
3040	35 1/2 x 47 1/2	30.66 x 39.88	8.5	30.64 x 15.62	3.3
3044	35 1/2 x 51 1/2	30.66 x 43.88	9.3	30.64 x 17.62	3.8
3046	35 1/2 x 53 1/2	30.66 x 45.88	9.8	30.64 x 18.62	4.0
3050	35 1/2 x 59 1/2	30.66 x 51.88	11.0	30.64 x 21.62	4.6
3052	35 1/2 x 61 1/2	30.66 x 53.88	11.5	30.64 x 22.62	4.8

*Please note that these values represent square footage.

Vinyl Stock Sizes continued on page 43.

DAYLIGHT OPENING INFORMATION

Vinyl Stock Sizes continued from page 42.

Single Hung – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
3053	35 1/2 x 62 1/2	30.66 x 54.88	11.7	30.64 x 23.12	4.9
3056	35 1/2 x 65 1/2	30.66 x 57.88	12.3	30.64 x 24.62	5.2
3060	35 1/2 x 71 1/2	30.66 x 63.88	13.6	30.64 x 27.62	5.9
3062	35 1/2 x 73 1/2	30.66 x 65.88	14.0	30.64 x 28.62	6.1
3430	39 1/2 x 35 1/2	34.66 x 27.88	6.7	34.64 x 9.62	2.3
3432	39 1/2 x 37 1/2	34.66 x 29.88	7.2	34.64 x 10.62	2.6
3438	39 1/2 x 43 1/2	34.66 x 35.88	8.6	34.64 x 13.62	3.3
3440	39 1/2 x 47 1/2	34.66 x 39.88	9.6	34.64 x 15.62	3.8
3444	39 1/2 x 51 1/2	34.66 x 43.88	10.6	34.64 x 17.62	4.2
3446	39 1/2 x 53 1/2	34.66 x 45.88	11.0	34.64 x 18.62	4.5
3450	39 1/2 x 59 1/2	34.66 x 51.88	12.5	34.64 x 21.62	5.2
3452	39 1/2 x 61 1/2	34.66 x 53.88	13.0	34.64 x 22.62	5.4
3453	39 1/2 x 62 1/2	34.66 x 54.88	13.2	34.64 x 23.12	5.6
3456	39 1/2 x 65 1/2	34.66 x 57.88	13.9	34.64 x 24.62	5.9
3460	39 1/2 x 71 1/2	34.66 x 63.88	15.4	34.64 x 27.62	6.6
3462	39 1/2 x 73 1/2	34.66 x 65.88	15.9	34.64 x 28.62	6.9
3830	43 1/2 x 35 1/2	38.66 x 27.88	7.5	38.64 x 9.62	2.6
3832	43 1/2 x 37 1/2	38.66 x 29.88	8.0	38.64 x 10.62	2.9
3838	43 1/2 x 43 1/2	38.66 x 35.88	9.6	38.64 x 13.62	3.7
3840	43 1/2 x 47 1/2	38.66 x 39.88	10.7	38.64 x 15.62	4.2
3844	43 1/2 x 51 1/2	38.66 x 43.88	11.8	38.64 x 17.62	4.7
3846	43 1/2 x 53 1/2	38.66 x 45.88	12.3	38.64 x 18.62	5.0
3850	43 1/2 x 59 1/2	38.66 x 51.88	13.9	38.64 x 21.62	5.8
3852	43 1/2 x 61 1/2	38.66 x 53.88	14.5	38.64 x 22.62	6.1
3853	43 1/2 x 62 1/2	38.66 x 54.88	14.7	38.64 x 23.12	6.2
3856	43 1/2 x 65 1/2	38.66 x 57.88	15.5	38.64 x 24.62	6.6
3860	43 1/2 x 71 1/2	38.66 x 63.88	17.1	38.64 x 27.62	7.4
3862	43 1/2 x 73 1/2	38.66 x 65.88	17.7	38.64 x 28.62	7.7
4030	47 1/2 x 35 1/2	42.66 x 27.88	8.3	42.64 x 9.62	2.8
4032	47 1/2 x 37 1/2	42.66 x 29.88	8.9	42.64 x 10.62	3.1
4038	47 1/2 x 43 1/2	42.66 x 35.88	10.6	42.64 x 13.62	4.0
4040	47 1/2 x 47 1/2	42.66 x 39.88	11.8	42.64 x 15.62	4.6
4044	47 1/2 x 51 1/2	42.66 x 43.88	13.0	42.64 x 17.62	5.2
4046	47 1/2 x 53 1/2	42.66 x 45.88	13.6	42.64 x 18.62	5.5
4050	47 1/2 x 59 1/2	42.66 x 51.88	15.4	42.64 x 21.62	6.4
4052	47 1/2 x 61 1/2	42.66 x 53.88	16.0	42.64 x 22.62	6.7
4053	47 1/2 x 62 1/2	42.66 x 54.88	16.3	42.64 x 23.12	6.8
4056	47 1/2 x 65 1/2	42.66 x 57.88	17.1	42.64 x 24.62	7.3
4060	47 1/2 x 71 1/2	42.66 x 63.88	18.9	42.64 x 27.62	8.2
4062	47 1/2 x 73 1/2	42.66 x 65.88	19.5	42.64 x 28.62	8.5

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION
Single Hung – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
18210W	110301	21 1/2 x 36 1/2	16.66 x 28.88	3.3	16.64 x 10.12	1.2
1832W	110305	21 1/2 x 40 1/2	16.66 x 32.88	3.8	16.64 x 12.12	1.4
18310W	110401	21 1/2 x 48 1/2	16.66 x 40.88	4.7	16.64 x 16.12	1.9
1842W	110405	21 1/2 x 52 1/2	16.66 x 44.88	5.2	16.64 x 18.12	2.1
1846W	110409	21 1/2 x 56 1/2	16.66 x 48.88	5.7	16.64 x 20.12	2.3
1849W	110500	21 1/2 x 59 1/2	16.66 x 51.88	6.0	16.64 x 21.62	2.5
1852W	110505	21 1/2 x 64 1/2	16.66 x 56.88	6.6	16.64 x 24.12	2.8
1856W	110509	21 1/2 x 68 1/2	16.66 x 60.88	7.0	16.64 x 26.12	3.0
1862W	110605	21 1/2 x 76 1/2	16.66 x 68.88	8.0	16.64 x 30.12	3.5
20210W	202301	25 1/2 x 36 1/2	20.66 x 28.88	4.1	20.64 x 10.12	1.5
2032W	202305	25 1/2 x 40 1/2	20.66 x 32.88	4.7	20.64 x 12.12	1.7
20310W	202401	25 1/2 x 48 1/2	20.66 x 40.88	5.9	20.64 x 16.12	2.3
2042W	202405	25 1/2 x 52 1/2	20.66 x 44.88	6.4	20.64 x 18.12	2.6
2046W	202409	25 1/2 x 56 1/2	20.66 x 48.88	7.0	20.64 x 20.12	2.9
2049W	202500	25 1/2 x 59 1/2	20.66 x 51.88	7.4	20.64 x 21.62	3.1
2052W	202505	25 1/2 x 64 1/2	20.66 x 56.88	8.2	20.64 x 24.12	3.5
2056W	202509	25 1/2 x 68 1/2	20.66 x 60.88	8.7	20.64 x 26.12	3.7
2062W	202605	25 1/2 x 76 1/2	20.66 x 68.88	9.9	20.64 x 30.12	4.3
24210W	206301	29 1/2 x 36 1/2	24.66 x 28.88	4.9	24.64 x 10.12	1.7
2432W	206305	29 1/2 x 40 1/2	24.66 x 32.88	5.6	24.64 x 12.12	2.1
24310W	206401	29 1/2 x 48 1/2	24.66 x 40.88	7.0	24.64 x 16.12	2.8
2442W	206405	29 1/2 x 52 1/2	24.66 x 44.88	7.7	24.64 x 18.12	3.1
2446W	206409	29 1/2 x 56 1/2	24.66 x 48.88	8.4	24.64 x 20.12	3.4
2449W	206500	29 1/2 x 59 1/2	24.66 x 51.88	8.9	24.64 x 21.62	3.7
2452W	206505	29 1/2 x 64 1/2	24.66 x 56.88	9.7	24.64 x 24.12	4.1
2456W	206509	29 1/2 x 68 1/2	24.66 x 60.88	10.4	24.64 x 26.12	4.5
2462W	206605	29 1/2 x 76 1/2	24.66 x 68.88	11.8	24.64 x 30.12	5.2
28210W	210301	33 1/2 x 36 1/2	28.66 x 28.88	5.7	28.64 x 10.12	2.0
2832W	210305	33 1/2 x 40 1/2	28.66 x 32.88	6.5	28.64 x 12.12	2.4
28310W	210401	33 1/2 x 48 1/2	28.66 x 40.88	8.1	28.64 x 16.12	3.2
2842W	210405	33 1/2 x 52 1/2	28.66 x 44.88	8.9	28.64 x 18.12	3.6
2846W	210409	33 1/2 x 56 1/2	28.66 x 48.88	9.7	28.64 x 20.12	4.0
2849W	210500	33 1/2 x 59 1/2	28.66 x 51.88	10.3	28.64 x 21.62	4.3
2852W	210505	33 1/2 x 64 1/2	28.66 x 56.88	11.3	28.64 x 24.12	4.8
2856W	210509	33 1/2 x 68 1/2	28.66 x 60.88	12.1	28.64 x 26.12	5.2
2862W	210605	33 1/2 x 76 1/2	28.66 x 68.88	13.7	28.64 x 30.12	6.0
30210W	302301	37 1/2 x 36 1/2	32.66 x 28.88	6.5	32.64 x 10.12	2.3
3032W	302305	37 1/2 x 40 1/2	32.66 x 32.88	7.5	32.64 x 12.12	2.7
30310W	302401	37 1/2 x 48 1/2	32.66 x 40.88	9.3	32.64 x 16.12	3.7
3042W	302405	37 1/2 x 52 1/2	32.66 x 44.88	10.2	32.64 x 18.12	4.1
3046W	302409	37 1/2 x 56 1/2	32.66 x 48.88	11.1	32.64 x 20.12	4.6
3049W	302500	37 1/2 x 59 1/2	32.66 x 51.88	11.8	32.64 x 21.62	4.9
3052W	302505	37 1/2 x 64 1/2	32.66 x 56.88	12.9	32.64 x 24.12	5.5
3056W	302509	37 1/2 x 68 1/2	32.66 x 60.88	13.8	32.64 x 26.12	5.9

*Please note that these values represent square footage.

Wood Stock Sizes continued on page 45.

DAYLIGHT OPENING INFORMATION

Wood Stock Sizes continued from page 44.

Single Hung – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
3062W	302605	37 1/2 x 76 1/2	32.66 x 68.88	15.6	32.64 x 30.12	6.8
34210W	306301	41 1/2 x 36 1/2	36.66 x 28.88	7.4	36.64 x 10.12	2.6
3432W	306305	41 1/2 x 40 1/2	36.66 x 32.88	8.4	36.64 x 12.12	3.1
34310W	306401	41 1/2 x 48 1/2	36.66 x 40.88	10.4	36.64 x 16.12	4.1
3442W	306405	41 1/2 x 52 1/2	36.66 x 44.88	11.4	36.64 x 18.12	4.6
3446W	306409	41 1/2 x 56 1/2	36.66 x 48.88	12.4	36.64 x 20.12	5.1
3449W	306500	41 1/2 x 59 1/2	36.66 x 51.88	13.2	36.64 x 21.62	5.5
3452W	306505	41 1/2 x 64 1/2	36.66 x 56.88	14.5	36.64 x 24.12	6.1
3456W	306509	41 1/2 x 68 1/2	36.66 x 60.88	15.5	36.64 x 26.12	6.6
3462W	306605	41 1/2 x 76 1/2	36.66 x 68.88	17.5	36.64 x 30.12	7.7
38210W	310301	45 1/2 x 36 1/2	40.66 x 28.88	8.2	40.64 x 10.12	2.9
3832W	310305	45 1/2 x 40 1/2	40.66 x 32.88	9.3	40.64 x 12.12	3.4
38310W	310401	45 1/2 x 48 1/2	40.66 x 40.88	11.5	40.64 x 16.12	4.6
3842W	310405	45 1/2 x 52 1/2	40.66 x 44.88	12.7	40.64 x 18.12	5.1
3846W	310409	45 1/2 x 56 1/2	40.66 x 48.88	13.8	40.64 x 20.12	5.7
3849W	310500	45 1/2 x 59 1/2	40.66 x 51.88	14.6	40.64 x 21.62	6.1
3852W	310505	45 1/2 x 64 1/2	40.66 x 56.88	16.1	40.64 x 24.12	6.8
3856W	310509	45 1/2 x 68 1/2	40.66 x 60.88	17.2	40.64 x 26.12	7.4
3862W	310605	45 1/2 x 76 1/2	40.66 x 68.88	19.4	40.64 x 30.12	8.5

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION
Double Hung – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
1830	19 1/2 x 35 1/2	13.28 x 27.31	2.5	15.52 x 8.95	1.0
1832	19 1/2 x 37 1/2	13.28 x 29.31	2.7	15.52 x 9.95	1.1
1838	19 1/2 x 43 1/2	13.28 x 35.31	3.3	15.52 x 12.95	1.4
1840	19 1/2 x 47 1/2	13.28 x 39.31	3.6	15.52 x 14.95	1.6
1844	19 1/2 x 51 1/2	13.28 x 43.31	4.0	15.52 x 16.95	1.8
1846	19 1/2 x 53 1/2	13.28 x 45.31	4.2	15.52 x 17.95	1.9
1850	19 1/2 x 59 1/2	13.28 x 51.31	4.7	15.52 x 20.95	2.3
1852	19 1/2 x 61 1/2	13.28 x 53.31	4.9	15.52 x 21.95	2.4
1853	19 1/2 x 62 1/2	13.28 x 54.31	5.0	15.52 x 22.45	2.4
1856	19 1/2 x 65 1/2	13.28 x 57.31	5.3	15.52 x 23.95	2.6
1860	19 1/2 x 71 1/2	13.28 x 63.31	5.8	15.52 x 26.95	2.9
1862	19 1/2 x 73 1/2	13.28 x 65.31	6.0	15.52 x 27.95	3.0
2030	23 1/2 x 35 1/2	17.28 x 27.31	3.3	19.52 x 8.95	1.2
2032	23 1/2 x 37 1/2	17.28 x 29.31	3.5	19.52 x 9.95	1.3
2038	23 1/2 x 43 1/2	17.28 x 35.31	4.2	19.52 x 12.95	1.8
2040	23 1/2 x 47 1/2	17.28 x 39.31	4.7	19.52 x 14.95	2.0
2044	23 1/2 x 51 1/2	17.28 x 43.31	5.2	19.52 x 16.95	2.3
2046	23 1/2 x 53 1/2	17.28 x 45.31	5.4	19.52 x 17.95	2.4
2050	23 1/2 x 59 1/2	17.28 x 51.31	6.2	19.52 x 20.95	2.8
2052	23 1/2 x 61 1/2	17.28 x 53.31	6.4	19.52 x 21.95	3.0
2053	23 1/2 x 62 1/2	17.28 x 54.31	6.5	19.52 x 22.45	3.0
2056	23 1/2 x 65 1/2	17.28 x 57.31	6.9	19.52 x 23.95	3.2
2060	23 1/2 x 71 1/2	17.28 x 63.31	7.6	19.52 x 26.95	3.7
2062	23 1/2 x 73 1/2	17.28 x 65.31	7.8	19.52 x 27.95	3.8
2430	27 1/2 x 35 1/2	21.28 x 27.31	4.0	23.52 x 8.95	1.5
2432	27 1/2 x 37 1/2	21.28 x 29.31	4.3	23.52 x 9.95	1.6
2438	27 1/2 x 43 1/2	21.28 x 35.31	5.2	23.52 x 12.95	2.1
2440	27 1/2 x 47 1/2	21.28 x 39.31	5.8	23.52 x 14.95	2.4
2444	27 1/2 x 51 1/2	21.28 x 43.31	6.4	23.52 x 16.95	2.8
2446	27 1/2 x 53 1/2	21.28 x 45.31	6.7	23.52 x 17.95	2.9
2450	27 1/2 x 59 1/2	21.28 x 51.31	7.6	23.52 x 20.95	3.4
2452	27 1/2 x 61 1/2	21.28 x 53.31	7.9	23.52 x 21.95	3.6
2453	27 1/2 x 62 1/2	21.28 x 54.31	8.0	23.52 x 22.45	3.7
2456	27 1/2 x 65 1/2	21.28 x 57.31	8.5	23.52 x 23.95	3.9
2460	27 1/2 x 71 1/2	21.28 x 63.31	9.4	23.52 x 26.95	4.4
2462	27 1/2 x 73 1/2	21.28 x 65.31	9.7	23.52 x 27.95	4.6
2830	31 1/2 x 35 1/2	25.28 x 27.31	4.8	27.52 x 8.95	1.7
2832	31 1/2 x 37 1/2	25.28 x 29.31	5.1	27.52 x 9.95	1.9
2838	31 1/2 x 43 1/2	25.28 x 35.31	6.2	27.52 x 12.95	2.5
2840	31 1/2 x 47 1/2	25.28 x 39.31	6.9	27.52 x 14.95	2.9
2844	31 1/2 x 51 1/2	25.28 x 43.31	7.6	27.52 x 16.95	3.2
2846	31 1/2 x 53 1/2	25.28 x 45.31	8.0	27.52 x 17.95	3.4
2850	31 1/2 x 59 1/2	25.28 x 51.31	9.0	27.52 x 20.95	4.0
2852	31 1/2 x 61 1/2	25.28 x 53.31	9.4	27.52 x 21.95	4.2
2853	31 1/2 x 62 1/2	25.28 x 54.31	9.5	27.52 x 22.45	4.3
2856	31 1/2 x 65 1/2	25.28 x 57.31	10.1	27.52 x 23.95	4.6
2860	31 1/2 x 71 1/2	25.28 x 63.31	11.1	27.52 x 26.95	5.1
2862	31 1/2 x 73 1/2	25.28 x 65.31	11.5	27.52 x 27.95	5.3
3030	35 1/2 x 35 1/2	29.28 x 27.31	5.6	31.52 x 8.95	2.0
3032	35 1/2 x 37 1/2	29.28 x 29.31	6.0	31.52 x 9.95	2.2
3038	35 1/2 x 43 1/2	29.28 x 35.31	7.2	31.52 x 12.95	2.8
3040	35 1/2 x 47 1/2	29.28 x 39.31	8.0	31.52 x 14.95	3.3

*Please note that these values represent square footage.

Vinyl Stock Sizes continued on page 47.

DAYLIGHT OPENING INFORMATION

Vinyl Stock Sizes continued from page 46.

Double Hung – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
3044	35 1/2 x 51 1/2	29.28 x 43.31	8.8	31.52 x 16.95	3.7
3046	35 1/2 x 53 1/2	29.28 x 45.31	9.2	31.52 x 17.95	3.9
3050	35 1/2 x 59 1/2	29.28 x 51.31	10.4	31.52 x 20.95	4.6
3052	35 1/2 x 61 1/2	29.28 x 53.31	10.8	31.52 x 21.95	4.8
3053	35 1/2 x 62 1/2	29.28 x 54.31	11.0	31.52 x 22.45	4.9
3056	35 1/2 x 65 1/2	29.28 x 57.31	11.7	31.52 x 23.95	5.2
3060	35 1/2 x 71 1/2	29.28 x 63.31	12.9	31.52 x 26.95	5.9
3062	35 1/2 x 73 1/2	29.28 x 65.31	13.3	31.52 x 27.95	6.1
3430	39 1/2 x 35 1/2	33.28 x 27.31	6.3	35.52 x 8.95	2.2
3432	39 1/2 x 37 1/2	33.28 x 29.31	6.8	35.52 x 9.95	2.5
3438	39 1/2 x 43 1/2	33.28 x 35.31	8.2	35.52 x 12.95	3.2
3440	39 1/2 x 47 1/2	33.28 x 39.31	9.1	35.52 x 14.95	3.7
3444	39 1/2 x 51 1/2	33.28 x 43.31	10.0	35.52 x 16.95	4.2
3446	39 1/2 x 53 1/2	33.28 x 45.31	10.5	35.52 x 17.95	4.4
3450	39 1/2 x 59 1/2	33.28 x 51.31	11.9	35.52 x 20.95	5.2
3452	39 1/2 x 61 1/2	33.28 x 53.31	12.3	35.52 x 21.95	5.4
3453	39 1/2 x 62 1/2	33.28 x 54.31	12.6	35.52 x 22.45	5.5
3456	39 1/2 x 65 1/2	33.28 x 57.31	13.2	35.52 x 23.95	5.9
3460	39 1/2 x 71 1/2	33.28 x 63.31	14.6	35.52 x 26.95	6.6
3462	39 1/2 x 73 1/2	33.28 x 65.31	15.1	35.52 x 27.95	6.9
3830	43 1/2 x 35 1/2	37.28 x 27.31	7.1	39.52 x 8.95	2.5
3832	43 1/2 x 37 1/2	37.28 x 29.31	7.6	39.52 x 9.95	2.7
3838	43 1/2 x 43 1/2	37.28 x 35.31	9.1	39.52 x 12.95	3.6
3840	43 1/2 x 47 1/2	37.28 x 39.31	10.2	39.52 x 14.95	4.1
3844	43 1/2 x 51 1/2	37.28 x 43.31	11.2	39.52 x 16.95	4.7
3846	43 1/2 x 53 1/2	37.28 x 45.31	11.7	39.52 x 17.95	4.9
3850	43 1/2 x 59 1/2	37.28 x 51.31	13.3	39.52 x 20.95	5.7
3852	43 1/2 x 61 1/2	37.28 x 53.31	13.8	39.52 x 21.95	6.0
3853	43 1/2 x 62 1/2	37.28 x 54.31	14.1	39.52 x 22.45	6.2
3856	43 1/2 x 65 1/2	37.28 x 57.31	14.8	39.52 x 23.95	6.6
3860	43 1/2 x 71 1/2	37.28 x 63.31	16.4	39.52 x 26.95	7.4
3862	43 1/2 x 73 1/2	37.28 x 65.31	16.9	39.52 x 27.95	7.7
4030	47 1/2 x 35 1/2	41.28 x 27.31	7.8	43.52 x 8.95	2.7
4032	47 1/2 x 37 1/2	41.28 x 29.31	8.4	43.52 x 9.95	3.0
4038	47 1/2 x 43 1/2	41.28 x 35.31	10.1	43.52 x 12.95	3.9
4040	47 1/2 x 47 1/2	41.28 x 39.31	11.3	43.52 x 14.95	4.5
4044	47 1/2 x 51 1/2	41.28 x 43.31	12.4	43.52 x 16.95	5.1
4046	47 1/2 x 53 1/2	41.28 x 45.31	13.0	43.52 x 17.95	5.4
4050	47 1/2 x 59 1/2	41.28 x 51.31	14.7	43.52 x 20.95	6.3
4052	47 1/2 x 61 1/2	41.28 x 53.31	15.3	43.52 x 21.95	6.6
4053	47 1/2 x 62 1/2	41.28 x 54.31	15.6	43.52 x 22.45	6.8
4056	47 1/2 x 65 1/2	41.28 x 57.31	16.4	43.52 x 23.95	7.2
4060	47 1/2 x 71 1/2	41.28 x 63.31	18.1	43.52 x 26.95	8.1
4062	47 1/2 x 73 1/2	41.28 x 65.31	18.7	43.52 x 27.95	8.4

DAYLIGHT OPENING INFORMATION
Double Hung – Wood Stock

Wood Size	Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
18210W	110301	21 1/2 x 36 1/2	15.28 x 28.31	3.0	17.52 x 9.45	1.1
1832W	110305	21 1/2 x 40 1/2	15.28 x 32.31	3.4	17.52 x 11.45	1.4
18310W	110401	21 1/2 x 48 1/2	15.28 x 40.31	4.3	17.52 x 15.45	1.9
1842W	110405	21 1/2 x 52 1/2	15.28 x 44.31	4.7	17.52 x 17.45	2.1
1846W	110409	21 1/2 x 56 1/2	15.28 x 48.31	5.1	17.52 x 19.45	2.4
1849W	110500	21 1/2 x 59 1/2	15.28 x 51.31	5.4	17.52 x 20.95	2.5
1852W	110505	21 1/2 x 64 1/2	15.28 x 56.31	6.0	17.52 x 23.45	2.9
1856W	110509	21 1/2 x 68 1/2	15.28 x 60.31	6.4	17.52 x 25.45	3.1
1862W	110605	21 1/2 x 76 1/2	15.28 x 68.31	7.2	17.52 x 29.45	3.6
20210W	202301	25 1/2 x 36 1/2	19.28 x 28.31	3.8	21.52 x 9.45	1.4
2032W	202305	25 1/2 x 40 1/2	19.28 x 32.31	4.3	21.52 x 11.45	1.7
20310W	202401	25 1/2 x 48 1/2	19.28 x 40.31	5.4	21.52 x 15.45	2.3
2042W	202405	25 1/2 x 52 1/2	19.28 x 44.31	5.9	21.52 x 17.45	2.6
2046W	202409	25 1/2 x 56 1/2	19.28 x 48.31	6.5	21.52 x 19.45	2.9
2049W	202500	25 1/2 x 59 1/2	19.28 x 51.31	6.9	21.52 x 20.95	3.1
2052W	202505	25 1/2 x 64 1/2	19.28 x 56.31	7.5	21.52 x 23.45	3.5
2056W	202509	25 1/2 x 68 1/2	19.28 x 60.31	8.1	21.52 x 25.45	3.8
2062W	202605	25 1/2 x 76 1/2	19.28 x 68.31	9.1	21.52 x 29.45	4.4
24210W	206301	29 1/2 x 36 1/2	23.28 x 28.31	4.6	25.52 x 9.45	1.7
2432W	206305	29 1/2 x 40 1/2	23.28 x 32.31	5.2	25.52 x 11.45	2.0
24310W	206401	29 1/2 x 48 1/2	23.28 x 40.31	6.5	25.52 x 15.45	2.7
2442W	206405	29 1/2 x 52 1/2	23.28 x 44.31	7.2	25.52 x 17.45	3.1
2446W	206409	29 1/2 x 56 1/2	23.28 x 48.31	7.8	25.52 x 19.45	3.4
2449W	206500	29 1/2 x 59 1/2	23.28 x 51.31	8.3	25.52 x 20.95	3.7
2452W	206505	29 1/2 x 64 1/2	23.28 x 56.31	9.1	25.52 x 23.45	4.2
2456W	206509	29 1/2 x 68 1/2	23.28 x 60.31	9.8	25.52 x 25.45	4.5
2462W	206605	29 1/2 x 76 1/2	23.28 x 68.31	11.0	25.52 x 29.45	5.2
28210W	210301	33 1/2 x 36 1/2	27.28 x 28.31	5.4	29.52 x 9.45	1.9
2832W	210305	33 1/2 x 40 1/2	27.28 x 32.31	6.1	29.52 x 11.45	2.3
28310W	210401	33 1/2 x 48 1/2	27.28 x 40.31	7.6	29.52 x 15.45	3.2
2842W	210405	33 1/2 x 52 1/2	27.28 x 44.31	8.4	29.52 x 17.45	3.6
2846W	210409	33 1/2 x 56 1/2	27.28 x 48.31	9.2	29.52 x 19.45	4.0
2849W	210500	33 1/2 x 59 1/2	27.28 x 51.31	9.7	29.52 x 20.95	4.3
2852W	210505	33 1/2 x 64 1/2	27.28 x 56.31	10.7	29.52 x 23.45	4.8
2856W	210509	33 1/2 x 68 1/2	27.28 x 60.31	11.4	29.52 x 25.45	5.2
2862W	210605	33 1/2 x 76 1/2	27.28 x 68.31	12.9	29.52 x 29.45	6.0
30210W	302301	37 1/2 x 36 1/2	31.28 x 28.31	6.1	33.52 x 9.45	2.2
3032W	302305	37 1/2 x 40 1/2	31.28 x 32.31	7.0	33.52 x 11.45	2.7
30310W	302401	37 1/2 x 48 1/2	31.28 x 40.31	8.8	33.52 x 15.45	3.6
3042W	302405	37 1/2 x 52 1/2	31.28 x 44.31	9.6	33.52 x 17.45	4.1
3046W	302409	37 1/2 x 56 1/2	31.28 x 48.31	10.5	33.52 x 19.45	4.5
3049W	302500	37 1/2 x 59 1/2	31.28 x 51.31	11.1	33.52 x 20.95	4.9
3052W	302505	37 1/2 x 64 1/2	31.28 x 56.31	12.2	33.52 x 23.45	5.5
3056W	302509	37 1/2 x 68 1/2	31.28 x 60.31	13.1	33.52 x 25.45	5.9

*Please note that these values represent square footage.

Wood Stock Sizes continued on page 49.

DAYLIGHT OPENING INFORMATION

Wood Stock Sizes continued from page 48.

Double Hung – Wood Stock

Wood Size	Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
3062W	302605	37 1/2 x 76 1/2	31.28 x 68.31	14.8	33.52 x 29.45	6.9
34210W	306301	41 1/2 x 36 1/2	35.28 x 28.31	6.9	37.52 x 9.45	2.5
3432W	306305	41 1/2 x 40 1/2	35.28 x 32.31	7.9	37.52 x 11.45	3.0
34310W	306401	41 1/2 x 48 1/2	35.28 x 40.31	9.9	37.52 x 15.45	4.0
3442W	306405	41 1/2 x 52 1/2	35.28 x 44.31	10.9	37.52 x 17.45	4.5
3446W	306409	41 1/2 x 56 1/2	35.28 x 48.31	11.8	37.52 x 19.45	5.1
3449W	306500	41 1/2 x 59 1/2	35.28 x 51.31	12.6	37.52 x 20.95	5.5
3452W	306505	41 1/2 x 64 1/2	35.28 x 56.31	13.8	37.52 x 23.45	6.1
3456W	306509	41 1/2 x 68 1/2	35.28 x 60.31	14.8	37.52 x 25.45	6.6
3462W	306605	41 1/2 x 76 1/2	35.28 x 68.31	16.7	37.52 x 29.45	7.7
38210W	310301	45 1/2 x 36 1/2	39.28 x 28.31	7.7	41.52 x 9.45	2.7
3832W	310305	45 1/2 x 40 1/2	39.28 x 32.31	8.8	41.52 x 11.45	3.3
38310W	310401	45 1/2 x 48 1/2	39.28 x 40.31	11.0	41.52 x 15.45	4.5
3842W	310405	45 1/2 x 52 1/2	39.28 x 44.31	12.1	41.52 x 17.45	5.0
3846W	310409	45 1/2 x 56 1/2	39.28 x 48.31	13.2	41.52 x 19.45	5.6
3849W	310500	45 1/2 x 59 1/2	39.28 x 51.31	14.0	41.52 x 20.95	6.0
3852W	310505	45 1/2 x 64 1/2	39.28 x 56.31	15.4	41.52 x 23.45	6.8
3856W	310509	45 1/2 x 68 1/2	39.28 x 60.31	16.5	41.52 x 25.45	7.3
3862W	310605	45 1/2 x 76 1/2	39.28 x 68.31	18.6	41.52 x 29.45	8.5

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION
Single Slider

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
2020	23 1/2 x 23 1/2	16.11 x 18.60	2.1	9.95 x 18.64	1.3
2030	23 1/2 x 35 1/2	18.50 x 27.75	3.6	9.95 x 30.64	2.1
3020	35 1/2 x 23 1/2	30.50 x 15.75	3.3	15.95 x 18.64	2.1
3030	35 1/2 x 35 1/2	30.50 x 27.75	5.9	15.95 x 30.64	3.4
3040	35 1/2 x 47 1/2	30.50 x 39.75	8.4	15.95 x 42.64	4.7
3050	35 1/2 x 59 1/2	30.50 x 51.75	11.0	15.95 x 54.64	6.1
4020	47 1/2 x 23 1/2	42.50 x 15.75	4.6	21.95 x 18.64	2.8
4030	47 1/2 x 35 1/2	42.50 x 27.75	8.2	21.95 x 30.64	4.7
4040	47 1/2 x 47 1/2	42.50 x 39.75	11.7	21.95 x 42.64	6.5
4050	47 1/2 x 59 1/2	42.50 x 51.75	15.3	21.95 x 54.64	8.3
4120	48 1/2 x 23 1/2	43.50 x 15.75	4.8	22.45 x 18.64	2.9
4130	48 1/2 x 35 1/2	43.50 x 27.75	8.4	22.45 x 30.64	4.8
4140	48 1/2 x 47 1/2	43.50 x 39.75	12.0	22.45 x 42.64	6.6
4150	48 1/2 x 59 1/2	43.50 x 51.75	15.6	22.45 x 54.64	8.5
5020	59 1/2 x 23 1/2	54.50 x 15.75	6.0	27.95 x 18.64	3.6
5030	59 1/2 x 35 1/2	54.50 x 27.75	10.5	27.95 x 30.64	5.9
5040	59 1/2 x 47 1/2	54.50 x 39.75	15.0	27.95 x 42.64	8.3
5050	59 1/2 x 59 1/2	54.50 x 51.75	19.6	27.95 x 54.64	10.6
6020	71 1/2 x 23 1/2	66.50 x 15.75	7.3	33.95 x 18.64	4.4
6030	71 1/2 x 35 1/2	66.50 x 27.75	12.8	33.95 x 30.64	7.2
6040	71 1/2 x 47 1/2	66.50 x 39.75	18.4	33.95 x 42.64	10.1
6050	71 1/2 x 59 1/2	66.50 x 51.75	23.9	33.95 x 54.64	12.9

3-lite Slider

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
6030	71 1/2 x 35 1/2	61.90 x 30.58	13.1	31.52 x 30.64	6.7
6040	71 1/2 x 47 1/2	61.90 x 42.58	18.3	31.52 x 42.64	9.3
6050	71 1/2 x 59 1/2	61.90 x 54.58	23.5	31.52 x 54.64	12.0
7030	83 1/2 x 35 1/2	73.90 x 30.58	15.7	37.52 x 30.64	8.0
7040	83 1/2 x 47 1/2	73.90 x 42.58	21.9	37.52 x 42.64	11.1
7050	83 1/2 x 59 1/2	73.90 x 54.58	28.0	37.52 x 54.64	14.2
8030	95 1/2 x 35 1/2	85.90 x 30.58	18.2	43.52 x 30.64	9.3
8040	95 1/2 x 47 1/2	85.90 x 42.58	25.4	43.52 x 42.64	12.9
8050	95 1/2 x 59 1/2	85.90 x 54.58	32.6	43.52 x 54.64	16.5
9030	107 1/2 x 35 1/2	97.90 x 30.58	20.8	49.52 x 30.64	10.5
9040	107 1/2 x 47 1/2	97.90 x 42.58	28.9	49.52 x 42.64	14.7
9050	107 1/2 x 59 1/2	97.90 x 54.58	37.1	49.52 x 54.64	18.8

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION

Casement – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
1616	17 1/2 x 17 1/2	10.59 x 10.59	0.8	9.01 x 11.66	0.7
1620	17 1/2 x 23 1/2	10.59 x 16.59	1.2	9.01 x 17.66	1.1
1626	17 1/2 x 29 1/2	10.59 x 22.59	1.7	9.01 x 23.66	1.5
1630	17 1/2 x 35 1/2	10.59 x 28.59	2.1	9.01 x 29.66	1.9
1638	17 1/2 x 43 1/2	10.59 x 36.59	2.7	9.01 x 37.66	2.4
1640	17 1/2 x 47 1/2	10.59 x 40.59	3.0	9.01 x 41.66	2.6
1650	17 1/2 x 59 1/2	10.59 x 52.59	3.9	9.01 x 53.66	3.4
1660	17 1/2 x 71 1/2	10.59 x 64.59	4.8	9.01 x 65.66	4.1
2020	23 1/2 x 23 1/2	16.59 x 16.59	1.9	15.01 x 17.66	1.8
2026	23 1/2 x 29 1/2	16.59 x 22.59	2.6	15.01 x 23.66	2.5
2030	23 1/2 x 35 1/2	16.59 x 28.59	3.3	15.01 x 29.66	3.1
2038	23 1/2 x 43 1/2	16.59 x 36.59	4.2	15.01 x 37.66	3.9
2040	23 1/2 x 47 1/2	16.59 x 40.59	4.7	15.01 x 41.66	4.3
2050	23 1/2 x 59 1/2	16.59 x 52.59	6.1	15.01 x 53.66	5.6
2060	23 1/2 x 71 1/2	16.59 x 64.59	7.4	15.01 x 65.66	6.8
2424	27 1/2 x 27 1/2	20.59 x 20.59	2.9	19.01 x 21.66	2.9
2426	27 1/2 x 29 1/2	20.59 x 22.59	3.2	19.01 x 23.66	3.1
2430	27 1/2 x 35 1/2	20.59 x 28.59	4.1	19.01 x 29.66	3.9
2438	27 1/2 x 43 1/2	20.59 x 36.59	5.2	19.01 x 37.66	5.0
2440	27 1/2 x 47 1/2	20.59 x 40.59	5.8	19.01 x 41.66	5.5
2450	27 1/2 x 59 1/2	20.59 x 52.59	7.5	19.01 x 53.66	7.1
2460	27 1/2 x 71 1/2	20.59 x 64.59	9.2	19.01 x 65.66	8.7
2828	31 1/2 x 31 1/2	24.59 x 24.59	4.2	23.01 x 25.66	4.1
2830	31 1/2 x 35 1/2	24.59 x 28.59	4.9	23.01 x 29.66	4.7
2838	31 1/2 x 43 1/2	24.59 x 36.59	6.2	23.01 x 37.66	6.0
2840	31 1/2 x 47 1/2	24.59 x 40.59	6.9	23.01 x 41.66	6.7
2850	31 1/2 x 59 1/2	24.59 x 52.59	9.0	23.01 x 53.66	8.6
2860	31 1/2 x 71 1/2	24.59 x 64.59	11.0	23.01 x 65.66	10.5
3030	35 1/2 x 35 1/2	28.59 x 28.59	5.7	27.01 x 29.66	5.6
3038	35 1/2 x 43 1/2	28.59 x 36.59	7.3	27.01 x 37.66	7.1
3040	35 1/2 x 47 1/2	28.59 x 40.59	8.1	27.01 x 41.66	7.8
3050	35 1/2 x 59 1/2	28.59 x 52.59	10.4	27.01 x 53.66	10.1
3060	35 1/2 x 71 1/2	28.59 x 64.59	12.8	27.01 x 65.66	12.3

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION
Casement

Stock Sizes	Unit Size W x H	Unobstructed Glass Size Square Footage	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
10910 9	20 1/2 x 20 1/2	13.59 x 13.59	1.3	12.01 x 14.66	1.2
10920 1	20 1/2 x 24 1/2	13.59 x 17.59	1.7	12.01 x 18.66	1.6
10921 1	20 1/2 x 34 1/2	13.59 x 27.59	2.6	12.01 x 28.66	2.4
10930 5	20 1/2 x 40 1/2	13.59 x 33.59	3.2	12.01 x 34.66	2.9
10931 1	20 1/2 x 46 1/2	13.59 x 39.59	3.7	12.01 x 40.66	3.4
10940 5	20 1/2 x 52 1/2	13.59 x 45.59	4.3	12.01 x 46.66	3.9
10941 1	20 1/2 x 58 1/2	13.59 x 51.59	4.9	12.01 x 52.66	4.4
10950 5	20 1/2 x 64 1/2	13.59 x 57.59	5.4	12.01 x 58.66	4.9
11111 1	22 1/2 x 22 1/2	15.59 x 15.59	1.7	14.01 x 16.66	1.6
11120 1	22 1/2 x 24 1/2	15.59 x 17.59	1.9	14.01 x 18.66	1.8
11121 1	22 1/2 x 34 1/2	15.59 x 27.59	3.0	14.01 x 28.66	2.8
11130 5	22 1/2 x 40 1/2	15.59 x 33.59	3.6	14.01 x 34.66	3.4
11131 1	22 1/2 x 46 1/2	15.59 x 39.59	4.3	14.01 x 40.66	4.0
111405	22 1/2 x 52 1/2	15.59 x 45.59	4.9	14.01 x 46.66	4.5
11141 1	22 1/2 x 58 1/2	15.59 x 51.59	5.6	14.01 x 52.66	5.1
11150 5	22 1/2 x 64 1/2	15.59 x 57.59	6.2	14.01 x 58.66	5.7
20120 1	24 1/2 x 24 1/2	17.59 x 17.59	2.1	16.01 x 18.66	2.1
20121 1	24 1/2 x 34 1/2	17.59 x 27.59	3.4	16.01 x 28.66	3.2
20130 5	24 1/2 x 40 1/2	17.59 x 33.59	4.1	16.01 x 34.66	3.9
20131 1	24 1/2 x 46 1/2	17.59 x 39.59	4.8	16.01 x 40.66	4.5
20140 5	24 1/2 x 52 1/2	17.59 x 45.59	5.6	16.01 x 46.66	5.2
20141 1	24 1/2 x 58 1/2	17.59 x 51.59	6.3	16.01 x 52.66	5.9
20150 5	24 1/2 x 64 1/2	17.59 x 57.59	7.0	16.01 x 58.66	6.5
20520 1	28 1/2 x 24 1/2	21.59 x 17.59	2.6	20.01 x 18.66	2.6
20520 5	28 1/2 x 28 1/2	21.59 x 21.59	3.2	20.01 x 22.66	3.1
20521 1	28 1/2 x 34 1/2	21.59 x 27.59	4.1	20.01 x 28.66	4.0
205305	28 1/2 x 40 1/2	21.59 x 33.59	5.0	20.01 x 34.66	4.8
20531 1	28 1/2 x 46 1/2	21.59 x 39.59	5.9	20.01 x 40.66	5.6
20540 5	28 1/2 x 52 1/2	21.59 x 45.59	6.8	20.01 x 46.66	6.5
20541 1	28 1/2 x 58 1/2	21.59 x 51.59	7.7	20.01 x 52.66	7.3
20550 5	28 1/2 x 64 1/2	21.59 x 57.59	8.6	20.01 x 58.66	8.1

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION

Awning – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
2016	23 1/2 x 17 1/2	16.59 x 10.59	1.2	17.66 x 9.01	1.1
2416	27 1/2 x 17 1/2	20.59 x 10.59	1.5	21.66 x 9.01	1.4
2420	27 1/2 x 23 1/2	20.59 x 16.59	2.4	21.66 x 15.01	2.3
2816	31 1/2 x 17 1/2	24.59 x 10.59	1.8	25.66 x 9.01	1.6
2820	31 1/2 x 23 1/2	24.59 x 16.59	2.8	25.66 x 15.01	2.7
2826	31 1/2 x 29 1/2	24.59 x 22.59	3.9	25.66 x 21.01	3.7
3016	35 1/2 x 17 1/2	28.59 x 10.59	2.1	29.66 x 9.01	1.9
3020	35 1/2 x 23 1/2	28.59 x 16.59	3.3	29.66 x 15.01	3.1
3026	35 1/2 x 29 1/2	28.59 x 22.59	4.5	29.66 x 21.01	4.3
4020	47 1/2 x 23 1/2	40.59 x 16.59	4.7	41.66 x 15.01	4.3
4026	47 1/2 x 29 1/2	40.59 x 22.59	6.4	41.66 x 21.01	6.1
4030	47 1/2 x 35 1/2	40.59 x 28.59	8.1	41.66 x 27.01	7.8

Awning

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage	Vent Size W x H	Vent Size Square Footage
111109	22 1/2 x 20 1/2	15.59 x 13.59	1.5	16.66 x 12.01	1.4
111111	22 1/2 x 22 1/2	15.59 x 15.59	1.7	16.66 x 14.01	1.6
111201	22 1/2 x 24 1/2	15.59 x 17.59	1.9	16.66 x 16.01	1.9
111205	22 1/2 x 28 1/2	15.59 x 21.59	2.3	16.66 x 20.01	2.3
201109	24 1/2 x 20 1/2	17.59 x 13.59	1.7	18.66 x 12.01	1.6
201111	24 1/2 x 22 1/2	17.59 x 15.59	1.9	18.66 x 14.01	1.8
211109	34 1/2 x 20 1/2	27.59 x 13.59	2.6	28.66 x 12.01	2.4
211111	34 1/2 x 22 1/2	27.59 x 15.59	3.0	28.66 x 14.01	2.8
211201	34 1/2 x 24 1/2	27.59 x 17.59	3.4	28.66 x 16.01	3.2
211205	34 1/2 x 28 1/2	27.59 x 21.59	4.1	28.66 x 20.01	4.0
305109	40 1/2 x 20 1/2	33.59 x 13.59	3.2	34.66 x 12.01	2.9
305111	40 1/2 x 22 1/2	33.59 x 15.59	3.6	34.66 x 14.01	3.4
305201	40 1/2 x 24 1/2	33.59 x 17.59	4.1	34.66 x 16.01	3.9
305205	40 1/2 x 28 1/2	33.59 x 21.59	5.0	34.66 x 20.01	4.8
311109	46 1/2 x 20 1/2	39.59 x 13.59	3.7	40.66 x 12.01	3.4
311111	46 1/2 x 22 1/2	39.59 x 15.59	4.3	40.66 x 14.01	4.0
311201	46 1/2 x 24 1/2	39.59 x 17.59	4.8	40.66 x 16.01	4.5
311205	46 1/2 x 28 1/2	39.59 x 21.59	5.9	40.66 x 20.01	5.6

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION
Picture – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage
1810	19 1/2 x 11 1/2	14.64 x 6.64	0.7
1820	19 1/2 x 23 1/2	14.64 x 18.64	1.9
1830	19 1/2 x 35 1/2	14.64 x 30.64	3.1
1832	19 1/2 x 37 1/2	14.64 x 32.64	3.3
1838	19 1/2 x 43 1/2	14.64 x 38.64	3.9
1840	19 1/2 x 47 1/2	14.64 x 42.64	4.3
1844	19 1/2 x 51 1/2	14.64 x 46.64	4.7
1846	19 1/2 x 53 1/2	14.64 x 48.64	4.9
1850	19 1/2 x 59 1/2	14.64 x 54.64	5.6
1852	19 1/2 x 61 1/2	14.64 x 56.64	5.8
1853	19 1/2 x 62 1/2	14.64 x 57.64	5.9
1856	19 1/2 x 65 1/2	14.64 x 60.64	6.2
1860	19 1/2 x 71 1/2	14.64 x 66.64	6.8
1862	19 1/2 x 73 1/2	14.64 x 68.64	7.0
2010	23 1/2 x 11 1/2	18.64 x 6.64	0.9
2020	23 1/2 x 23 1/2	18.64 x 18.64	2.4
2030	23 1/2 x 35 1/2	18.64 x 30.64	4.0
2032	23 1/2 x 37 1/2	18.64 x 32.64	4.2
2038	23 1/2 x 43 1/2	18.64 x 38.64	5.0
2040	23 1/2 x 47 1/2	18.64 x 42.64	5.5
2044	23 1/2 x 51 1/2	18.64 x 46.64	6.0
2046	23 1/2 x 53 1/2	18.64 x 48.64	6.3
2050	23 1/2 x 59 1/2	18.64 x 54.64	7.1
2052	23 1/2 x 61 1/2	18.64 x 56.64	7.3
2053	23 1/2 x 62 1/2	18.64 x 57.64	7.5
2056	23 1/2 x 65 1/2	18.64 x 60.64	7.9
2060	23 1/2 x 71 1/2	18.64 x 66.64	8.6
2062	23 1/2 x 73 1/2	18.64 x 68.64	8.9
3010	35 1/2 x 11 1/2	30.64 x 6.64	1.4
3020	35 1/2 x 23 1/2	30.64 x 18.64	4.0
3030	35 1/2 x 35 1/2	30.64 x 30.64	6.5
3032	35 1/2 x 37 1/2	30.64 x 32.64	6.9
3038	35 1/2 x 43 1/2	30.64 x 38.64	8.2
3040	35 1/2 x 47 1/2	30.64 x 42.64	9.1
3044	35 1/2 x 51 1/2	30.64 x 46.64	9.9
3046	35 1/2 x 53 1/2	30.64 x 48.64	10.4
3050	35 1/2 x 59 1/2	30.64 x 54.64	11.6
3052	35 1/2 x 61 1/2	30.64 x 56.64	12.1
3053	35 1/2 x 62 1/2	30.64 x 57.64	12.3
3056	35 1/2 x 65 1/2	30.64 x 60.64	12.9
3060	35 1/2 x 71 1/2	30.64 x 66.64	14.2
3062	35 1/2 x 73 1/2	30.64 x 68.64	14.6
4010	47 1/2 x 11 1/2	42.64 x 6.64	2.0
4020	47 1/2 x 23 1/2	42.64 x 18.64	5.5
4030	47 1/2 x 35 1/2	42.64 x 30.64	9.1
4032	47 1/2 x 37 1/2	42.64 x 32.64	9.7
4038	47 1/2 x 43 1/2	42.64 x 38.64	11.4
4040	47 1/2 x 47 1/2	42.64 x 42.64	12.6
4044	47 1/2 x 51 1/2	42.64 x 46.64	13.8
4046	47 1/2 x 53 1/2	42.64 x 48.64	14.4
4050	47 1/2 x 59 1/2	42.64 x 54.64	16.2

*Please note that these values represent square footage.

Vinyl Stock Sizes continued on page 55.

DAYLIGHT OPENING INFORMATION

Vinyle Stock Sizes continued from page 54.

Picture – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage
4052	47 1/2 x 61 1/2	42.64 x 56.64	16.8
4053	47 1/2 x 62 1/2	42.64 x 57.64	17.1
4056	47 1/2 x 65 1/2	42.64 x 60.64	18.0
4060	47 1/2 x 71 1/2	42.64 x 66.64	19.7
4062	47 1/2 x 73 1/2	42.64 x 68.64	20.3
5010	59 1/2 x 11 1/2	54.64 x 6.64	2.5
5020	59 1/2 x 23 1/2	54.64 x 18.64	7.1
5030	59 1/2 x 35 1/2	54.64 x 30.64	11.6
5032	59 1/2 x 37 1/2	54.64 x 32.64	12.4
5038	59 1/2 x 43 1/2	54.64 x 38.64	14.7
5040	59 1/2 x 47 1/2	54.64 x 42.64	16.2
5044	59 1/2 x 51 1/2	54.64 x 46.64	17.7
5046	59 1/2 x 53 1/2	54.64 x 48.64	18.5
5050	59 1/2 x 59 1/2	54.64 x 54.64	20.7
5052	59 1/2 x 61 1/2	54.64 x 56.64	21.5
5053	59 1/2 x 62 1/2	54.64 x 57.64	21.9
5056	59 1/2 x 65 1/2	54.64 x 60.64	23.0
5060	59 1/2 x 71 1/2	54.64 x 66.64	25.3
5062	59 1/2 x 73 1/2	54.64 x 68.64	26.0

*Please note that these values represent square footage.

DAYLIGHT OPENING INFORMATION
Picture – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage
1810W	110100	21 1/2 x 11 1/2	16.64 x 6.64	0.8
1815W	110107	21 1/2 x 18 1/2	16.64 x 13.64	1.6
1817W	110109	21 1/2 x 20 1/2	16.64 x 15.64	1.8
18210W	110301	21 1/2 x 36 1/2	16.64 x 31.64	3.7
1832W	110305	21 1/2 x 40 1/2	16.64 x 35.64	4.1
18310W	110401	21 1/2 x 48 1/2	16.64 x 43.64	5.0
1842W	110405	21 1/2 x 52 1/2	16.64 x 47.64	5.5
1846W	110409	21 1/2 x 56 1/2	16.64 x 51.64	6.0
1849W	110500	21 1/2 x 59 1/2	16.64 x 54.64	6.3
1852W	110505	21 1/2 x 64 1/2	16.64 x 59.64	6.9
1856W	110509	21 1/2 x 68 1/2	16.64 x 63.64	7.4
1862W	110605	21 1/2 x 76 1/2	16.64 x 71.64	8.3
2010W	202100	25 1/2 x 11 1/2	20.64 x 6.64	1.0
2015W	202107	25 1/2 x 18 1/2	20.64 x 13.64	2.0
2017W	202109	25 1/2 x 20 1/2	20.64 x 15.64	2.2
20210W	202301	25 1/2 x 36 1/2	20.64 x 31.64	4.5
2032W	202305	25 1/2 x 40 1/2	20.64 x 35.64	5.1
20310W	202401	25 1/2 x 48 1/2	20.64 x 43.64	6.3
2042W	202405	25 1/2 x 52 1/2	20.64 x 47.64	6.8
2046W	202409	25 1/2 x 56 1/2	20.64 x 51.64	7.4
2049W	202500	25 1/2 x 59 1/2	20.64 x 54.64	7.8
2052W	202505	25 1/2 x 64 1/2	20.64 x 59.64	8.6
2056W	202509	25 1/2 x 68 1/2	20.64 x 63.64	9.1
2062W	202605	25 1/2 x 76 1/2	20.64 x 71.64	10.3
2410W	206100	29 1/2 x 11 1/2	24.64 x 6.64	1.1
2415W	206107	29 1/2 x 18 1/2	24.64 x 13.64	2.3
2417W	206109	29 1/2 x 20 1/2	24.64 x 15.64	2.7
24210W	206301	29 1/2 x 36 1/2	24.64 x 31.64	5.4
2432W	206305	29 1/2 x 40 1/2	24.64 x 35.64	6.1
26310W	206401	29 1/2 x 48 1/2	24.64 x 43.64	7.5
2442W	206405	29 1/2 x 52 1/2	24.64 x 47.64	8.2
2446W	206409	29 1/2 x 56 1/2	24.64 x 51.64	8.8
2449W	206500	29 1/2 x 59 1/2	24.64 x 54.64	9.4
2452W	206505	29 1/2 x 64 1/2	24.64 x 59.64	10.2
2456W	206509	29 1/2 x 68 1/2	24.64 x 63.64	10.9
2462W	206605	29 1/2 x 76 1/2	24.64 x 71.64	12.3
2810W	210100	33 1/2 x 11 1/2	28.64 x 6.64	1.3
2815W	210107	33 1/2 x 18 1/2	28.64 x 13.64	2.7
2817W	210109	33 1/2 x 20 1/2	28.64 x 15.64	3.1
28210W	210301	33 1/2 x 36 1/2	28.64 x 31.64	6.3
2832W	210305	33 1/2 x 40 1/2	28.64 x 35.64	7.1
28310W	210401	33 1/2 x 48 1/2	28.64 x 43.64	8.7
2842W	210405	33 1/2 x 52 1/2	28.64 x 47.64	9.5
2846W	210409	33 1/2 x 56 1/2	28.64 x 51.64	10.3
2849W	210500	33 1/2 x 59 1/2	28.64 x 54.64	10.9
2852W	210505	33 1/2 x 64 1/2	28.64 x 59.64	11.9
2856W	210509	33 1/2 x 68 1/2	28.64 x 63.64	12.7
2862W	210605	33 1/2 x 76 1/2	28.64 x 71.64	14.3
3010W	302100	37 1/2 x 11 1/2	32.64 x 6.64	1.5
3015W	302107	37 1/2 x 18 1/2	32.64 x 13.64	3.1
3017W	302109	37 1/2 x 20 1/2	32.64 x 15.64	3.5
30210W	302301	37 1/2 x 36 1/2	32.64 x 31.64	7.2
3032W	302305	37 1/2 x 40 1/2	32.64 x 35.64	8.1
30310W	302401	37 1/2 x 48 1/2	32.64 x 43.64	9.9
3042W	302405	37 1/2 x 52 1/2	32.64 x 47.64	10.8
3046W	302409	37 1/2 x 56 1/2	32.64 x 51.64	11.7
3049W	302500	37 1/2 x 59 1/2	32.64 x 54.64	12.4
3052W	302505	37 1/2 x 64 1/2	32.64 x 59.64	13.5
3056W	302509	37 1/2 x 68 1/2	32.64 x 63.64	14.4

Wood Stock Sizes continued on page 57.

DAYLIGHT OPENING INFORMATION

Wood Stock Sizes continued from page 56.

Picture – Wood Stock Sizes

Wood Size	Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage
3062W	302605	37 1/2 x 76 1/2	32.64 x 71.64	16.2
3410W	306100	41 1/2 x 11 1/2	36.64 x 6.64	1.7
3415W	306107	41 1/2 x 18 1/2	36.64 x 13.64	3.5
3417W	306109	41 1/2 x 20 1/2	36.64 x 15.64	4.0
34210W	306301	41 1/2 x 36 1/2	36.64 x 31.64	8.1
3432W	306305	41 1/2 x 40 1/2	36.64 x 35.64	9.1
34310W	306401	41 1/2 x 48 1/2	36.64 x 43.64	11.1
3442W	306405	41 1/2 x 52 1/2	36.64 x 47.64	12.1
3446W	306409	41 1/2 x 56 1/2	36.64 x 51.64	13.1
3449W	306500	41 1/2 x 59 1/2	36.64 x 54.64	13.9
3452W	306505	41 1/2 x 64 1/2	36.64 x 59.64	15.2
3456W	306509	41 1/2 x 68 1/2	36.64 x 63.64	16.2
3462W	306605	41 1/2 x 76 1/2	36.64 x 71.64	18.2
3810W	310100	45 1/2 x 11 1/2	40.64 x 6.64	1.9
3815W	310107	45 1/2 x 18 1/2	40.64 x 13.64	3.9
3817W	310109	45 1/2 x 20 1/2	40.64 x 15.64	4.4
38210W	310301	45 1/2 x 36 1/2	40.64 x 31.64	8.9
3832W	310305	45 1/2 x 40 1/2	40.64 x 35.64	10.1
38310W	310401	45 1/2 x 48 1/2	40.64 x 43.64	12.3
3842W	310405	45 1/2 x 52 1/2	40.64 x 47.64	13.4
3846W	310409	45 1/2 x 56 1/2	40.64 x 51.64	14.6
3849W	310500	45 1/2 x 59 1/2	40.64 x 54.64	15.4
3852W	310505	45 1/2 x 64 1/2	40.64 x 59.64	16.8
3856W	310509	45 1/2 x 68 1/2	40.64 x 63.64	18.0
3862W	310605	45 1/2 x 76 1/2	40.64 x 71.64	20.2
4410W	406100	53 1/2 x 11 1/2	48.64 x 6.64	2.2
4415W	406107	53 1/2 x 18 1/2	48.64 x 13.64	4.6
4417W	406109	53 1/2 x 20 1/2	48.64 x 15.64	5.3
44210W	406301	53 1/2 x 36 1/2	48.64 x 31.64	10.7
4432W	406305	53 1/2 x 40 1/2	48.64 x 35.64	12.0
44310W	406401	53 1/2 x 48 1/2	48.64 x 43.64	14.7
4442W	406405	53 1/2 x 52 1/2	48.64 x 47.64	16.1
4446W	406409	53 1/2 x 56 1/2	48.64 x 51.64	17.4
4449W	406500	53 1/2 x 59 1/2	48.64 x 54.64	18.5
4452W	406505	53 1/2 x 64 1/2	48.64 x 59.64	20.1
4456W	406509	53 1/2 x 68 1/2	48.64 x 63.64	21.5
4462W	406605	53 1/2 x 76 1/2	48.64 x 71.64	24.2
5010W	502100	61 1/2 x 11 1/2	56.64 x 6.64	2.6
5015W	502107	61 1/2 x 18 1/2	56.64 x 13.64	5.4
5017W	502109	61 1/2 x 20 1/2	56.64 x 15.64	6.2
50210W	502301	61 1/2 x 36 1/2	56.64 x 31.64	12.4
5032W	502305	61 1/2 x 40 1/2	56.64 x 35.64	14.0
50310W	502401	61 1/2 x 48 1/2	56.64 x 43.64	17.2
5042W	502405	61 1/2 x 52 1/2	56.64 x 47.64	18.7
5046W	502409	61 1/2 x 56 1/2	56.64 x 51.64	20.3
5049W	502500	61 1/2 x 59 1/2	56.64 x 54.64	21.5
5052W	502505	61 1/2 x 64 1/2	56.64 x 59.64	23.5
5056W	502509	61 1/2 x 68 1/2	56.64 x 63.64	25.0
5062W	502605	61 1/2 x 76 1/2	56.64 x 71.64	28.2

DAYLIGHT OPENING INFORMATION
Fixed Unit – Vinyl Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage
1616	17 1/2 x 17 1/2	10.74 x 10.74	0.8
1620	17 1/2 x 23 1/2	10.74 x 16.74	1.2
1626	17 1/2 x 29 1/2	10.74 x 22.74	1.7
1630	17 1/2 x 35 1/2	10.74 x 28.74	2.1
1638	17 1/2 x 43 1/2	10.74 x 36.74	2.7
1640	17 1/2 x 47 1/2	10.74 x 40.74	3.0
1650	17 1/2 x 59 1/2	10.74 x 52.74	3.9
1660	17 1/2 x 71 1/2	10.74 x 64.74	4.8
2020	23 1/2 x 23 1/2	16.74 x 16.74	1.9
2026	23 1/2 x 29 1/2	16.74 x 22.74	2.6
2030	23 1/2 x 35 1/2	16.74 x 28.74	3.3
2038	23 1/2 x 43 1/2	16.74 x 36.74	4.3
2040	23 1/2 x 47 1/2	16.74 x 40.74	4.7
2050	23 1/2 x 59 1/2	16.74 x 52.74	6.1
2060	23 1/2 x 71 1/2	16.74 x 64.74	7.5
2424	27 1/2 x 27 1/2	20.74 x 20.74	3.0
2426	27 1/2 x 29 1/2	20.74 x 22.74	3.3
2430	27 1/2 x 35 1/2	20.74 x 28.74	4.1
2438	27 1/2 x 43 1/2	20.74 x 36.74	5.3
2450	27 1/2 x 59 1/2	20.74 x 52.74	7.6
2460	27 1/2 x 71 1/2	20.74 x 64.74	9.3
2828	31 1/2 x 31 1/2	24.74 x 24.74	4.3
2830	31 1/2 x 35 1/2	24.74 x 28.74	4.9
2838	31 1/2 x 43 1/2	24.74 x 36.74	6.3
2840	31 1/2 x 47 1/2	24.74 x 40.74	7.0
2850	31 1/2 x 59 1/2	24.74 x 52.74	9.1
2860	31 1/2 x 71 1/2	24.74 x 64.74	11.1
3030	35 1/2 x 35 1/2	28.74 x 28.74	5.7
3038	35 1/2 x 43 1/2	28.74 x 36.74	7.3
3040	35 1/2 x 47 1/2	28.74 x 40.74	8.1
3050	35 1/2 x 59 1/2	28.74 x 52.74	10.5
3060	35 1/2 x 71 1/2	28.74 x 64.74	12.9
4040	47 1/2 x 47 1/2	40.74 x 40.74	11.5
4046	47 1/2 x 53 1/2	40.74 x 46.74	13.2
4050	47 1/2 x 59 1/2	40.74 x 52.74	14.9
4056	47 1/2 x 65 1/2	40.74 x 58.74	16.6
4060	47 1/2 x 71 1/2	40.74 x 64.74	18.3
5050	59 1/2 x 59 1/2	52.74 x 52.74	19.3
5056	59 1/2 x 65 1/2	52.74 x 58.74	21.5
5060	59 1/2 x 71 1/2	52.74 x 64.74	23.7
5066	59 1/2 x 77 1/2	52.74 x 70.74	25.9
5070	59 1/2 x 83 1/2	52.74 x 76.74	28.1

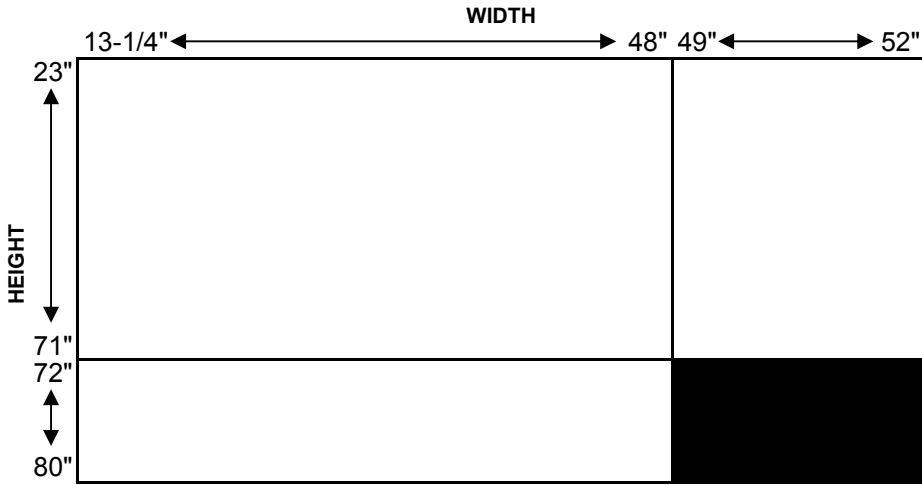
DAYLIGHT OPENING INFORMATION

Fixed Unit – Wood Stock Sizes

Stock Sizes	Unit Size W x H	Unobstructed Glass Size W x H	Unobstructed Glass Size Square Footage
105405	16 1/2 x 52 1/2	9.74 x 45.74	3.1
109405	20 1/2 x 52 1/2	13.74 x 45.74	4.4
109411	20 1/2 x 58 1/2	13.74 x 51.74	4.9
111111	22 1/2 x 22 1/2	15.74 x 15.74	1.7
111311	22 1/2 x 46 1/2	15.74 x 39.74	4.3
111411	22 1/2 x 58 1/2	15.74 x 51.74	5.7
111505	22 1/2 x 64 1/2	15.74 x 57.74	6.3
201201	24 1/2 x 24 1/2	17.74 x 17.74	2.2
201305	24 1/2 x 40 1/2	17.74 x 33.74	4.2
201311	24 1/2 x 46 1/2	17.74 x 39.74	4.9
201405	24 1/2 x 52 1/2	17.74 x 45.74	5.6
201411	24 1/2 x 58 1/2	17.74 x 51.74	6.4
201505	24 1/2 x 64 1/2	17.74 x 57.74	7.1
205201	28 1/2 x 24 1/2	21.74 x 17.74	2.7
205205	28 1/2 x 28 1/2	21.74 x 21.74	3.3
205311	28 1/2 x 46 1/2	21.74 x 39.74	6.0
205405	28 1/2 x 52 1/2	21.74 x 45.74	6.9
205411	28 1/2 x 58 1/2	21.74 x 51.74	7.8
205505	28 1/2 x 64 1/2	21.74 x 57.74	8.7
211311	34 1/2 x 46 1/2	27.74 x 39.74	7.7
211405	34 1/2 x 52 1/2	27.74 x 45.74	8.8
211411	34 1/2 x 58 1/2	27.74 x 51.74	10.0
211505	34 1/2 x 64 1/2	27.74 x 57.74	11.1
311311	46 1/2 x 46 1/2	39.74 x 39.74	11.0
311411	46 1/2 x 58 1/2	39.74 x 51.74	14.3
311505	46 1/2 x 64 1/2	39.74 x 57.74	15.9
411411	58 1/2 x 58 1/2	51.74 x 51.74	18.6

MINIMUM AND MAXIMUM SIZES

Contractor Single Hung

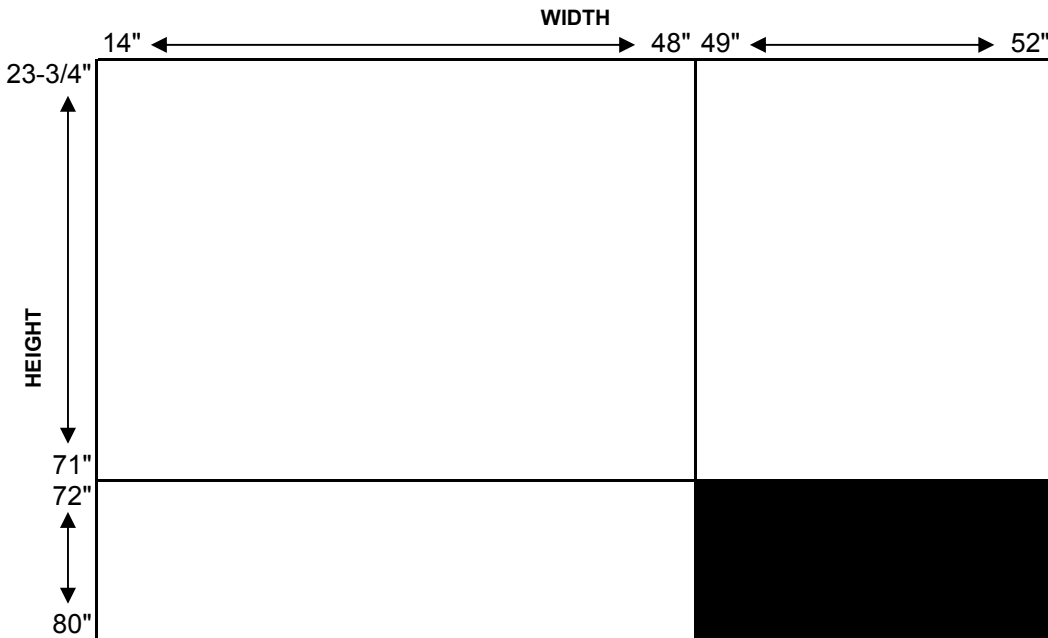


■ Non-manufacturable Sizes

Contractor Single Hung Oriel (60-40)

Width		Height	
Minimum	Maximum	Minimum	Maximum
13-1/4	48"	23"	96"

Contractor Double Hung



■ Non-manufacturable Sizes

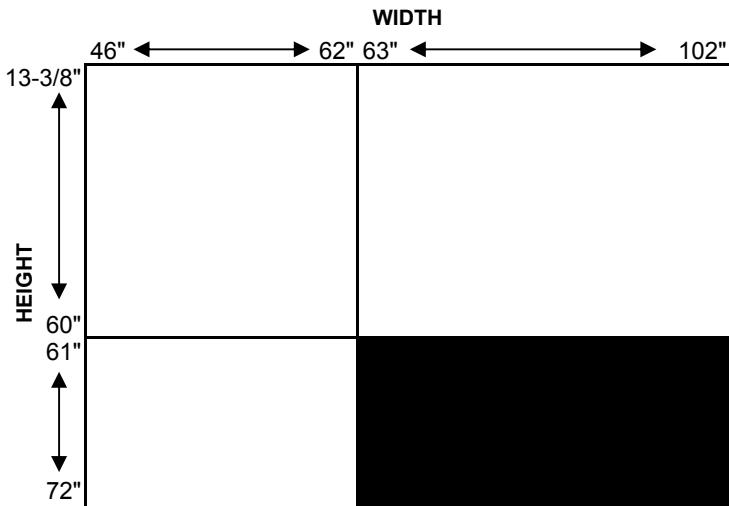
• Should your window dimensions exceed whole numbers listed, please round up to the next whole number. For example: 55-1/4" should be 56."

MINIMUM AND MAXIMUM SIZES

Contractor Single Slider

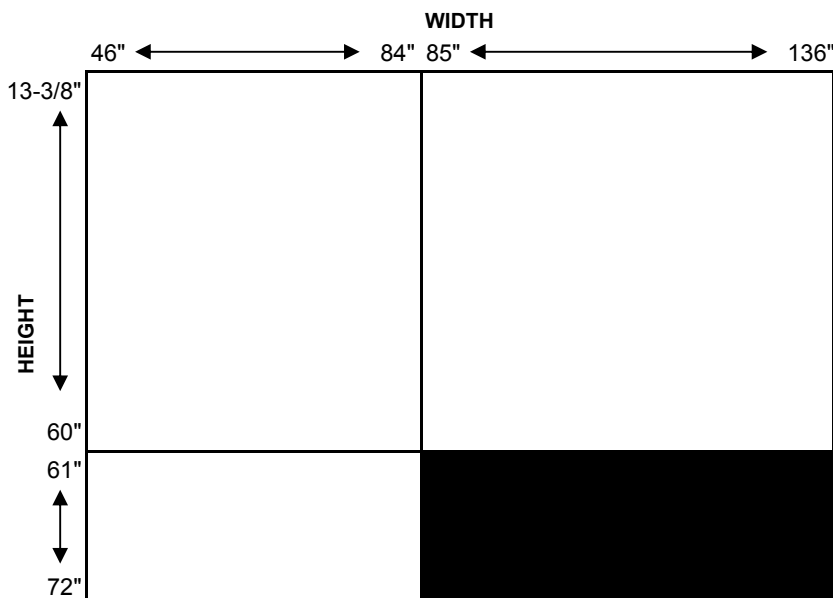
Width		Height	
Minimum	Maximum	Minimum	Maximum
23"	72"	13-1/8"	60"

Contractor 3-lite End Vent Slider (1/3-1/3-1/3)



■ Non-manufacturable Sizes

Contractor 3-lite End Vent Slider (1/4-1/2-1/4)



■ Non-manufacturable Sizes

• Should your window dimensions exceed whole numbers listed, please round up to the next whole number. For example: 25-1/4" should be 26"

MINIMUM AND MAXIMUM SIZES
Contractor Casement

Width		Height	
Minimum	Maximum	Minimum	Maximum
14"	36"	17"	80"

Contractor Awning

Width		Height	
Minimum	Maximum	Minimum	Maximum
20"	60"	17"	36"

Contractor Fixed Unit

Width		Height	
Minimum	Maximum	Minimum	Maximum
14"	96"	17"	72"

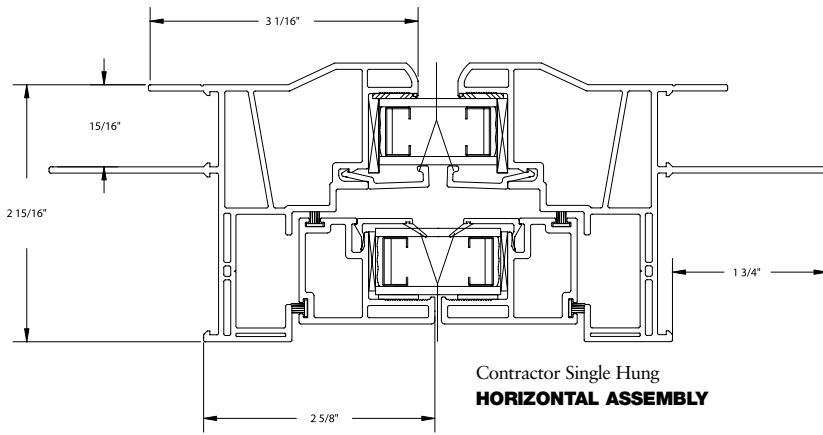
Contractor Picture

Width		Height	
Minimum	Maximum	Minimum	Maximum
10-3/4"	96"	10-3/4"	72"

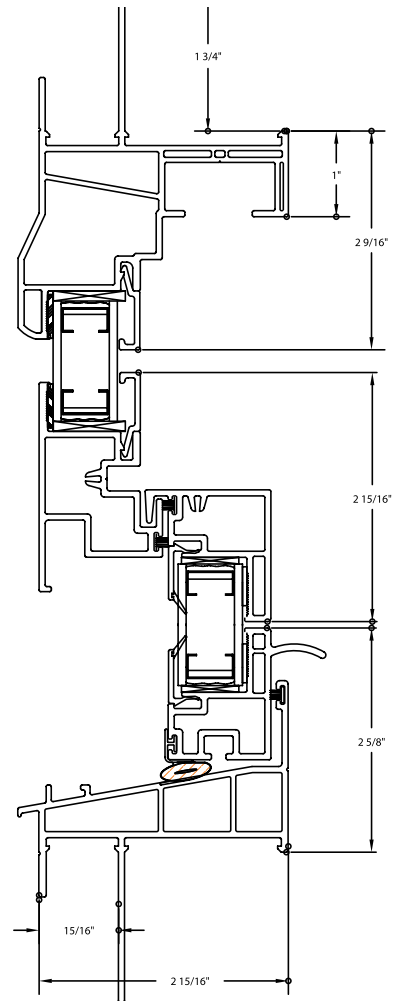
- The minimum and maximum sizes of Picture and Fixed Unit windows can be reversed.
- Should your window dimensions exceed whole numbers listed, please round up to the next whole number. For example: 25-1/4" should be 26"

ARCHITECTURAL DETAILS

Contractor Single Hung

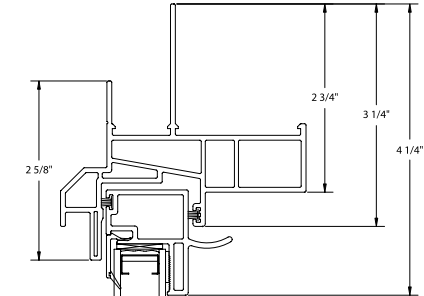


Contractor Single Hung
HORIZONTAL ASSEMBLY

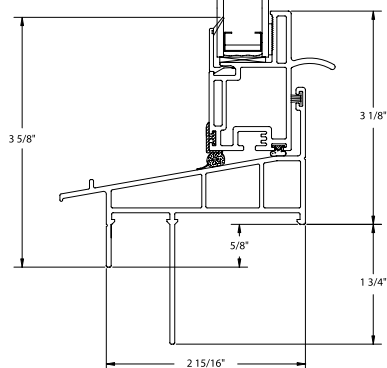
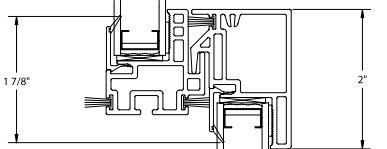


Contractor Single Hung
VERTICAL ASSEMBLY

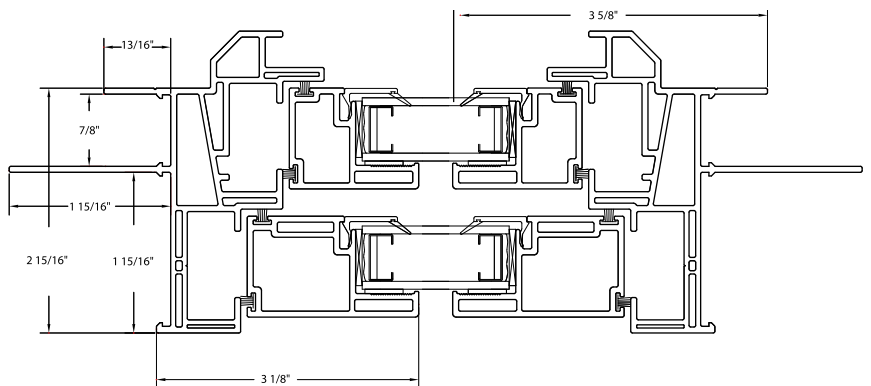
Contractor Double Hung



Contractor Double Hung
VERTICAL ASSEMBLY

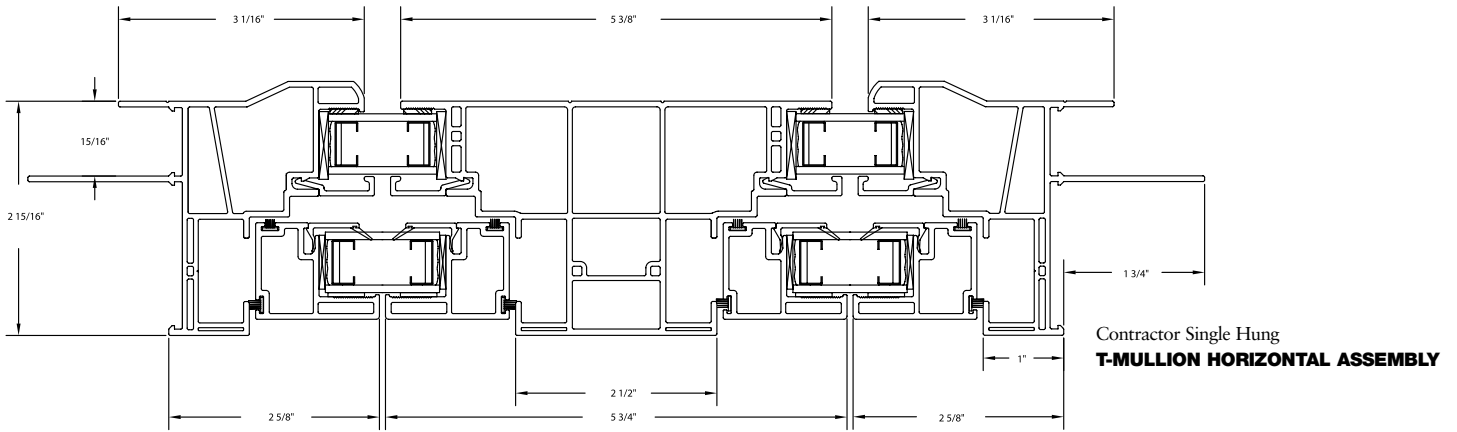


Contractor Double Hung
HORIZONTAL ASSEMBLY

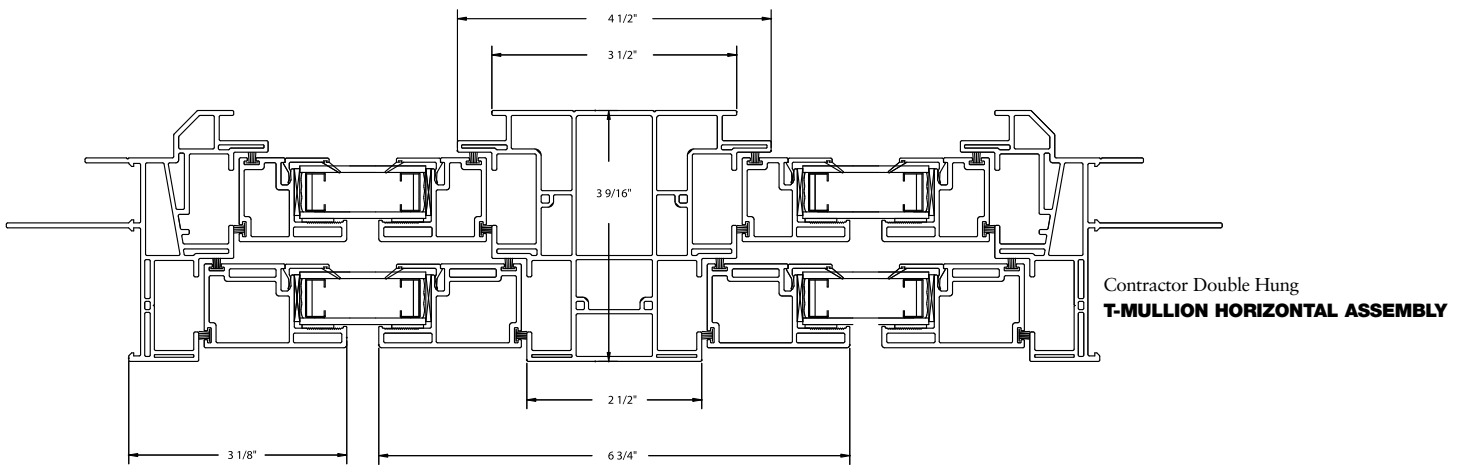


ARCHITECTURAL DETAILS

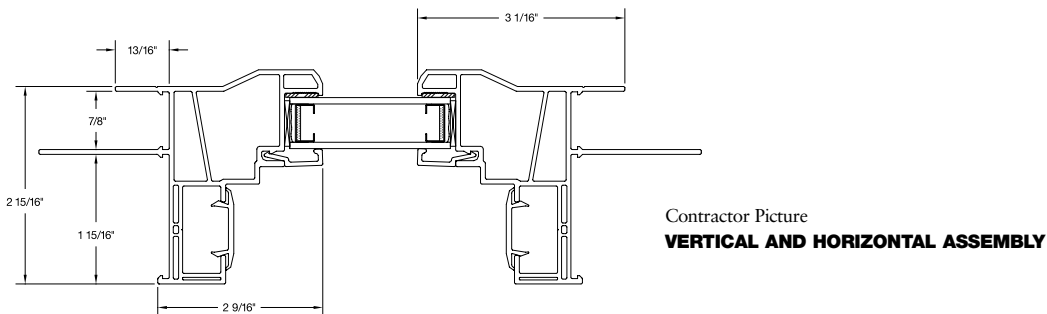
Contractor Single Hung



Contractor Double Hung

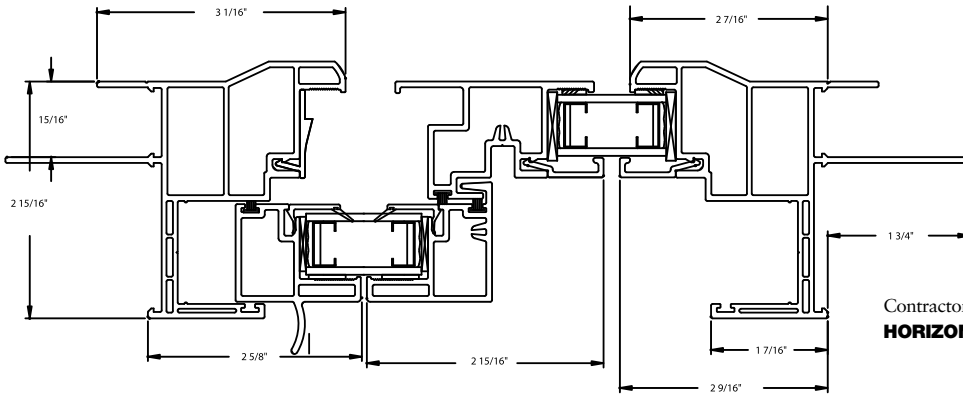


Contractor Picture

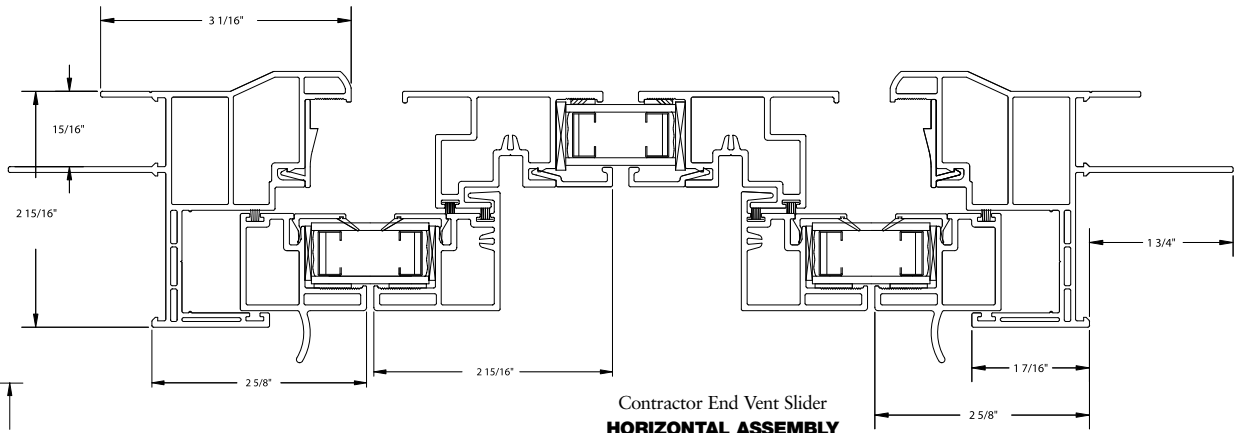


ARCHITECTURAL DETAILS

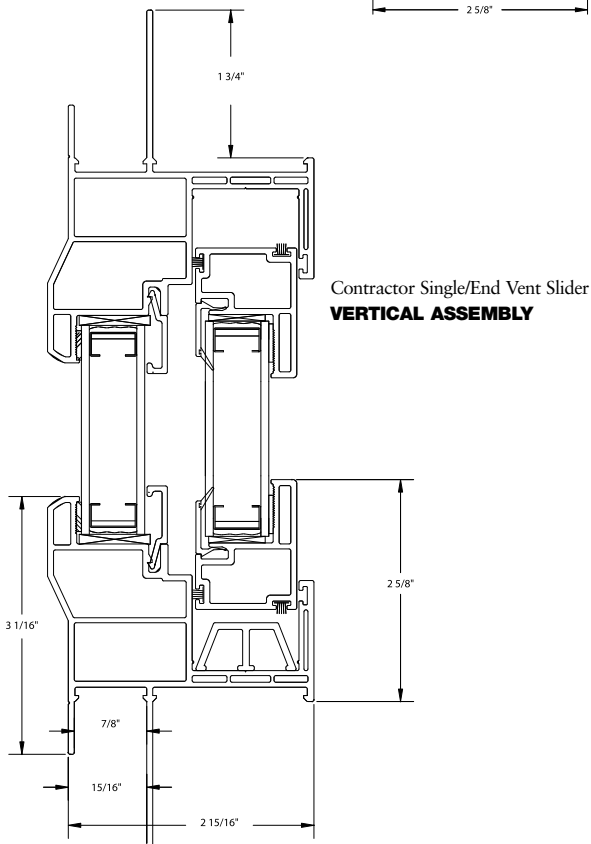
Contractor Single/3-lite End Vent Slider



Contractor Single Slider
HORIZONTAL ASSEMBLY



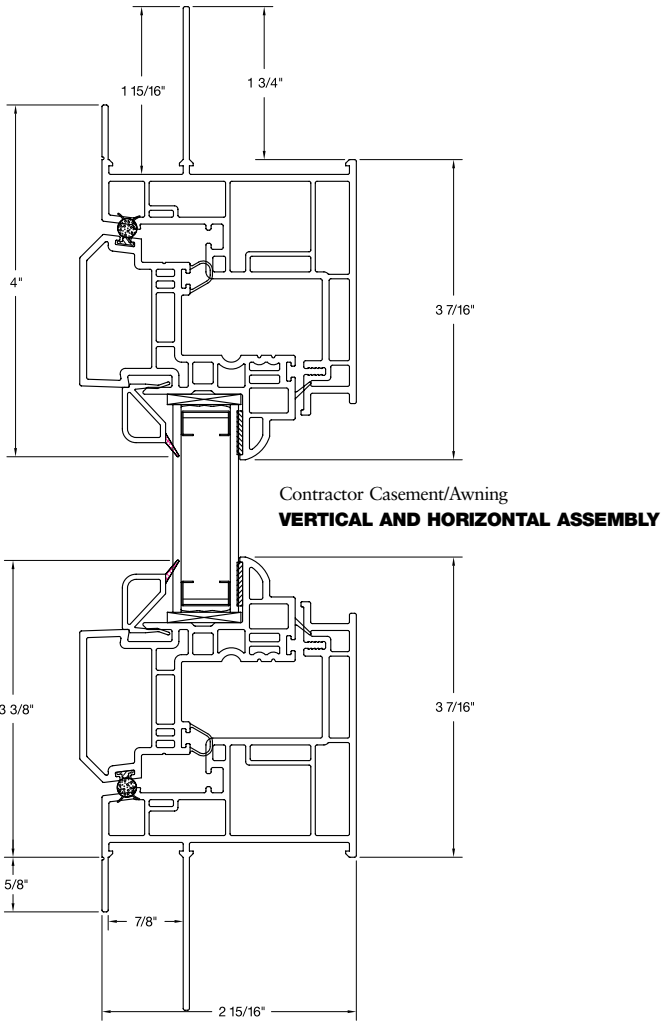
Contractor End Vent Slider
HORIZONTAL ASSEMBLY



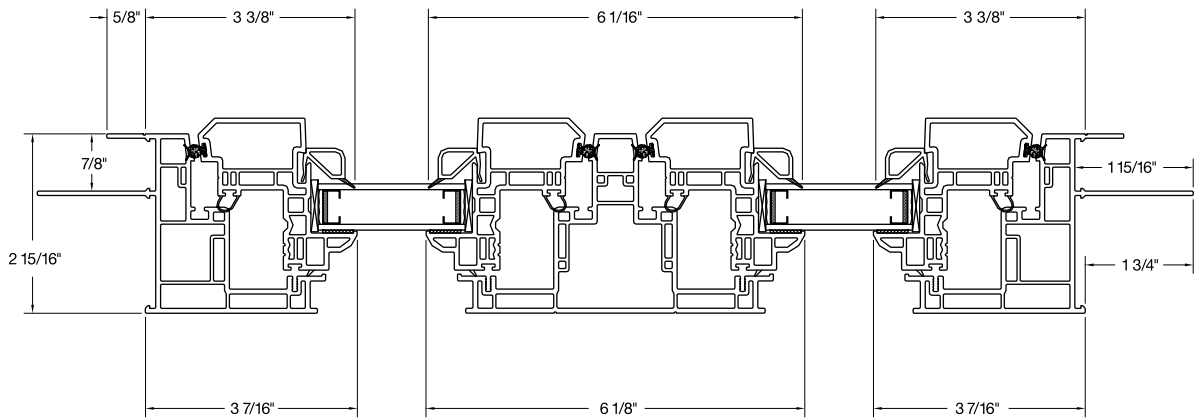
Contractor Single/End Vent Slider
VERTICAL ASSEMBLY

ARCHITECTURAL DETAILS

Contractor Casement/Awning

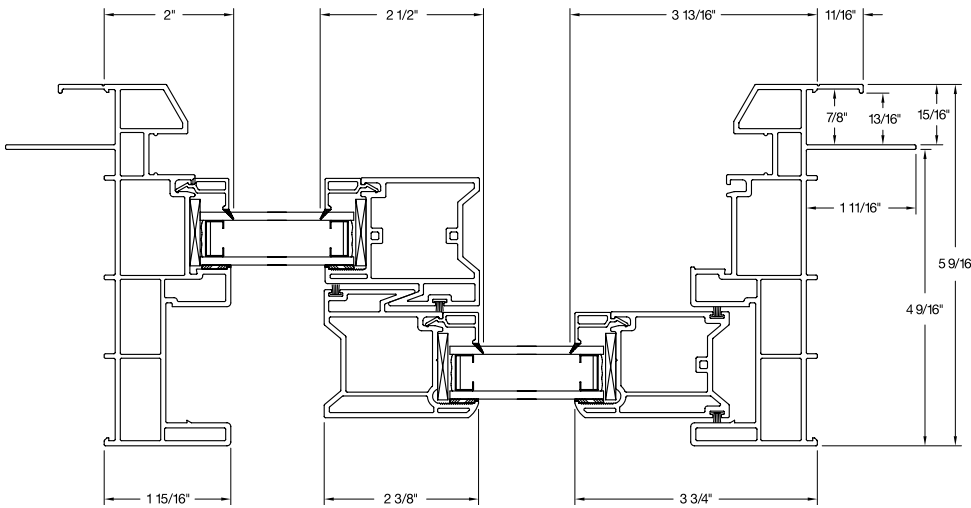


Contractor Casement/Awning
T-MULLION HORIZONTAL ASSEMBLY

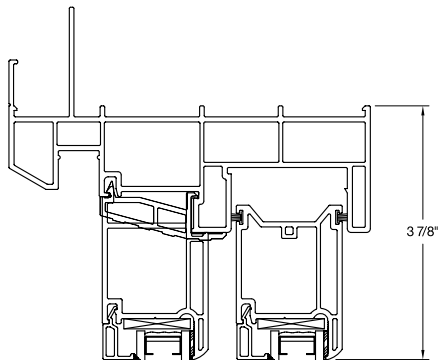


ARCHITECTURAL DETAILS

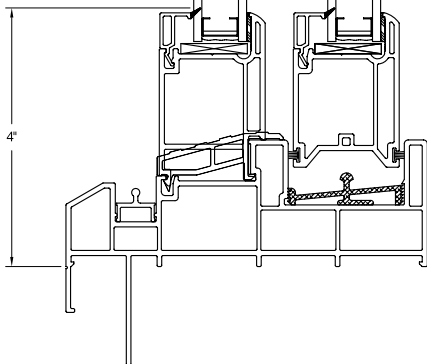
Contractor Patio Door



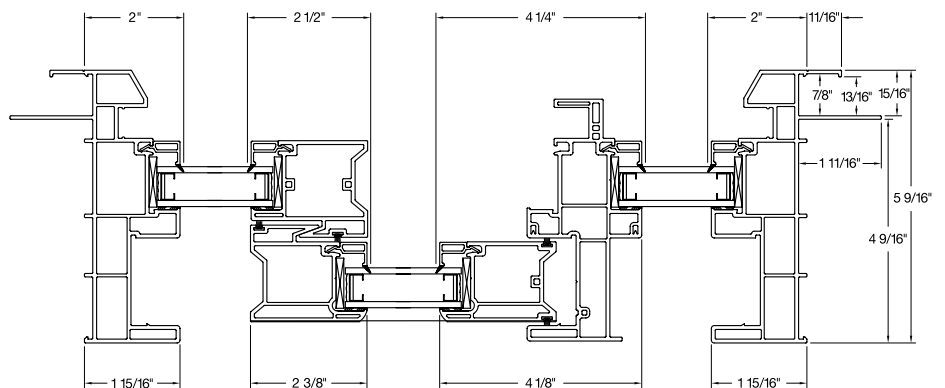
Contractor Patio Door
HORIZONTAL ASSEMBLY



Contractor Patio Door
VERTICAL ASSEMBLY

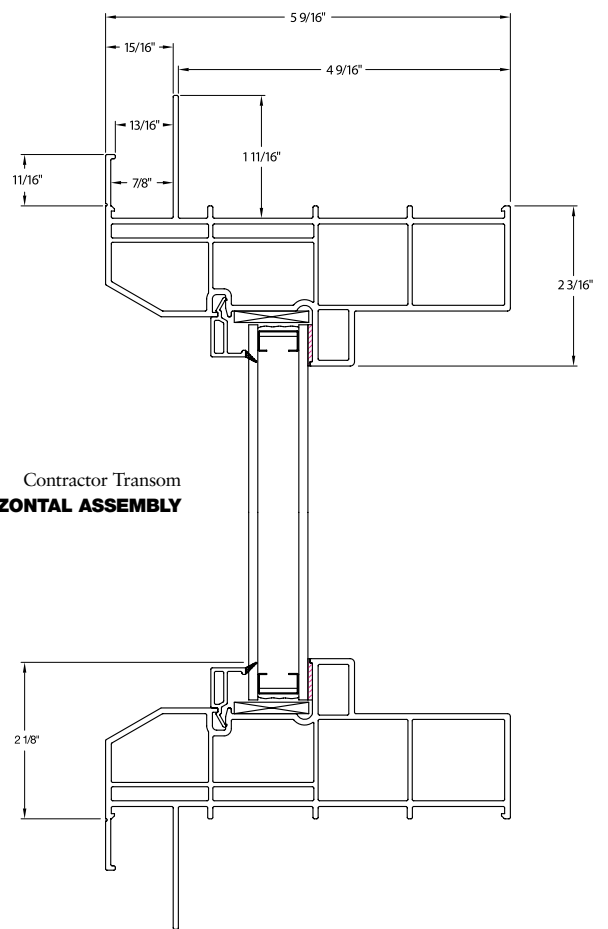
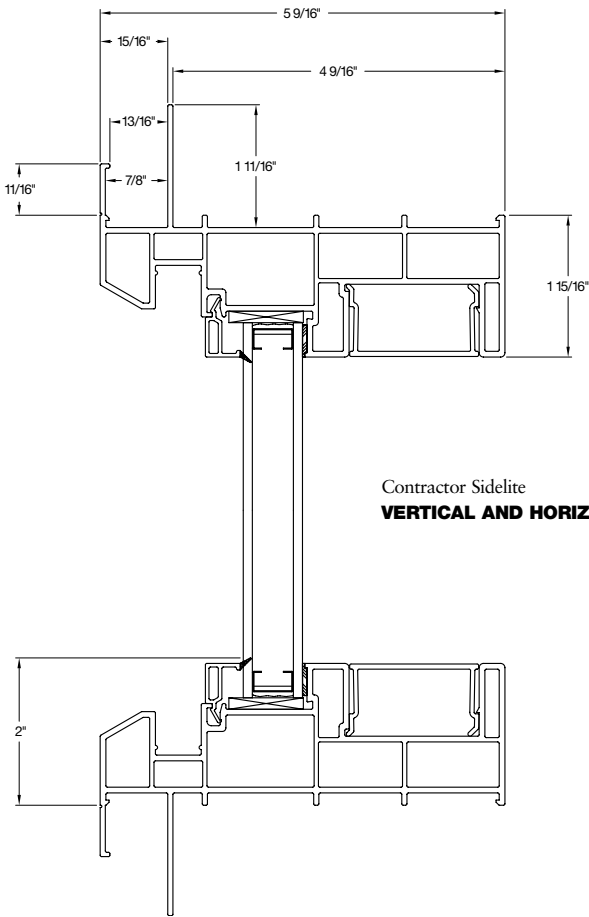


Contractor 3-lite Patio Door
HORIZONTAL ASSEMBLY



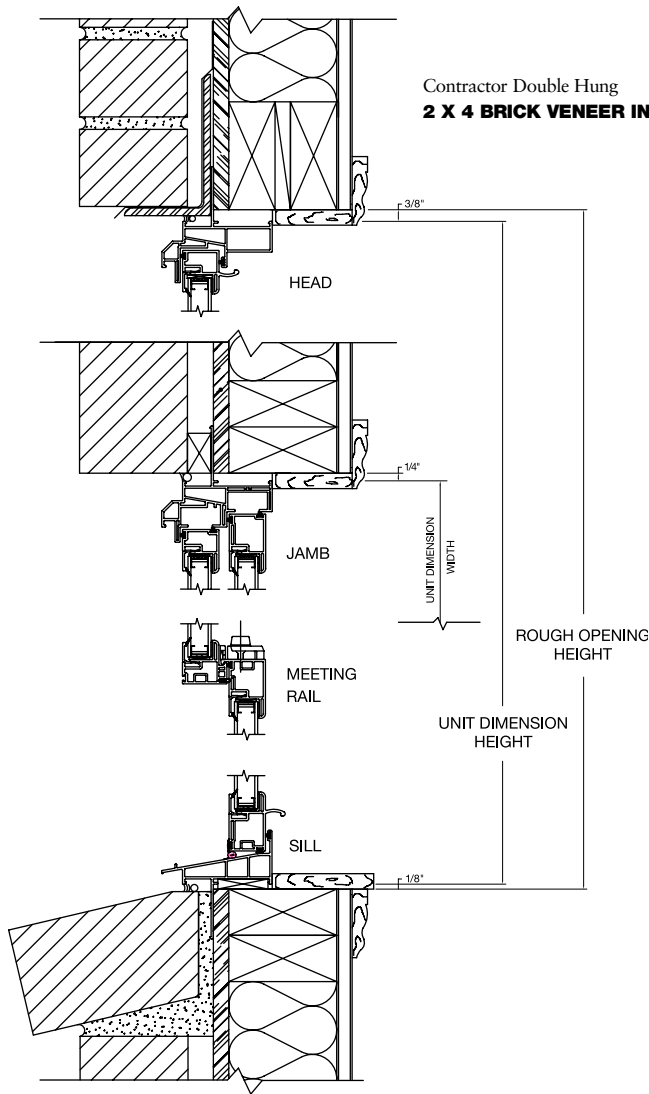
ARCHITECTURAL DETAILS

Contractor Sidelite and Transom

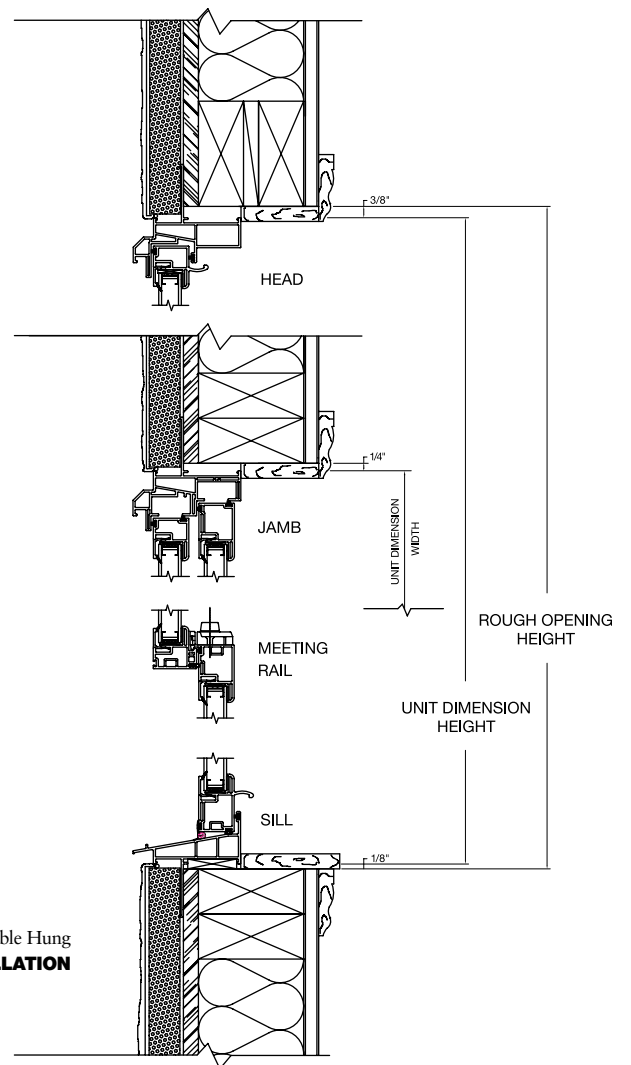


ARCHITECTURAL DETAILS

Contractor Double Hung

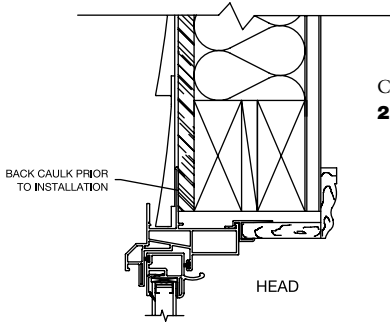


Contractor Double Hung
DRYVIT VENEER INSTALLATION

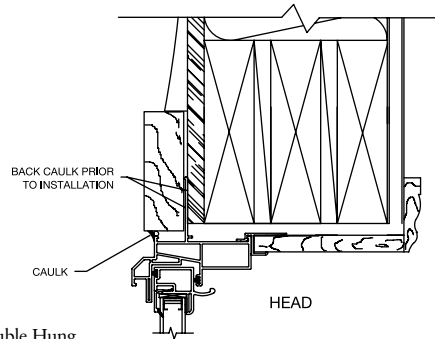
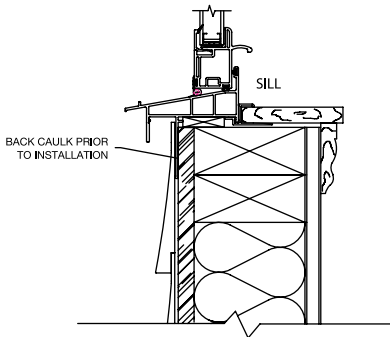
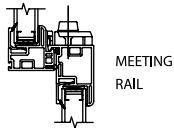
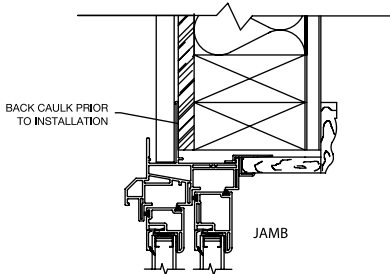


ARCHITECTURAL DETAILS

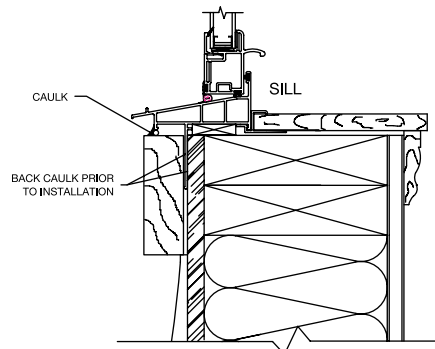
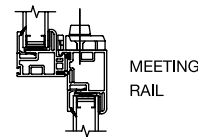
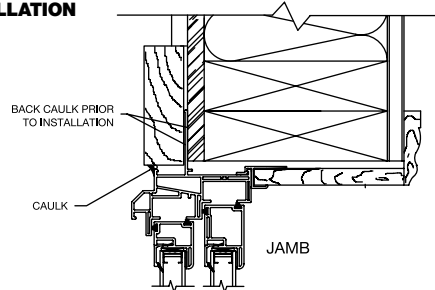
Contractor Double Hung



Contractor Double Hung
2 X 4 WOOD SIDING INSTALLATION

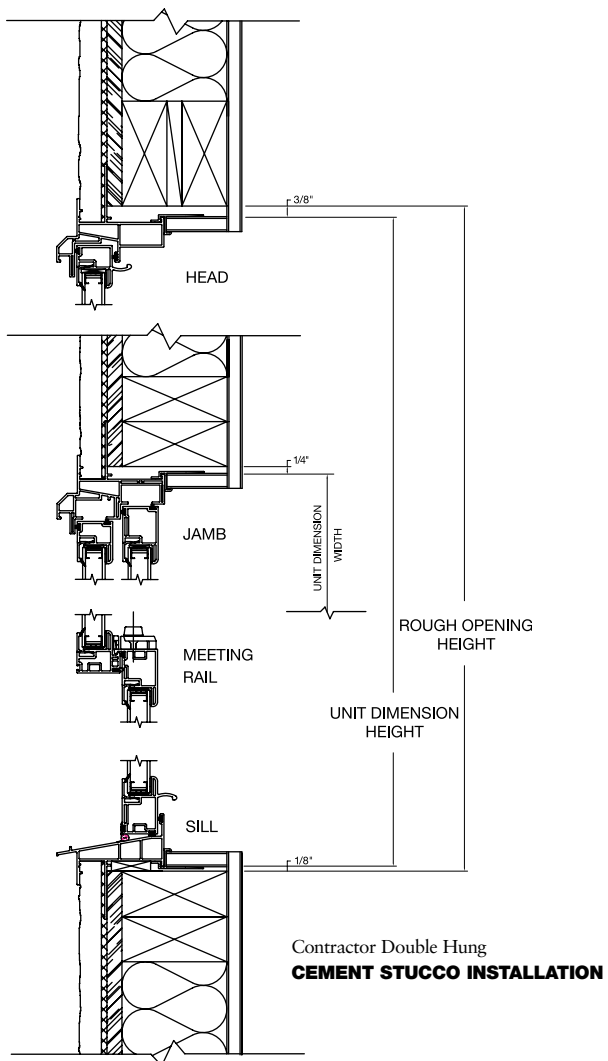


Contractor Double Hung
2 X 6 WOOD SIDING INSTALLATION



ARCHITECTURAL DETAILS

Contractor Double Hung



TESTING DATA
Thermal Performance

Data pertains to units with no grids.

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	I.G. Unit Thickness	U-Factor ⁴		R-Value	
						Total Unit	Center of Glass ^{2,3}	Total Unit	Center of Glass ^{2,3}
Awning	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.42	0.49	2.38	2.04
Awning	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.27	0.26	3.70	3.85
Awning	Clear/Clear	2	Air	Super Spacer	3/4"	0.41	0.49	2.44	2.04
Awning	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.26	0.26	3.85	3.85
Casement	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.49	2.44	2.04
Casement	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.27	0.26	3.70	3.85
Casement	Clear/Clear	2	Air	Super Spacer	3/4"	0.40	0.49	2.50	2.04
Casement	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Colonial Awning	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.42	0.49	2.38	2.04
Colonial Awning	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.27	0.26	3.70	3.85
Colonial Awning	Clear/Clear	2	Air	Super Spacer	3/4"	0.41	0.49	2.44	2.04
Colonial Awning	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.26	0.26	3.85	3.85
Colonial Casement	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.49	2.44	2.04
Colonial Casement	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.27	0.26	3.70	3.85
Colonial Casement	Clear/Clear	2	Air	Super Spacer	3/4"	0.40	0.49	2.50	2.04
Colonial Casement	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Door Picture Window	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.47	0.49	2.13	2.04
Door Picture Window	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.34	0.32	2.94	3.13
Door Picture Window	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.29	0.26	3.45	3.85
Door Picture Window	Clear/Clear	2	Air	Super Spacer	3/4"	0.46	0.49	2.17	2.04
Door Picture Window	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.33	0.32	3.03	3.13
Door Picture Window	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.29	0.26	3.45	3.85
Double Hung	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.50	0.49	2.00	2.04
Double Hung	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.37	0.32	2.70	3.13
Double Hung	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.33	0.26	3.03	3.85
Double Hung	Clear/Clear	2	Air	Super Spacer	3/4"	0.49	0.49	2.04	2.04
Double Hung	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.37	0.32	2.70	3.13
Double Hung	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.33	0.26	3.03	3.85

Thermal Performance continued on page 73.

TESTING DATA

Thermal Performance continued from page 72.

Data pertains to units with no grids.

Type	Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁴	Inside Glass Surface Temperature (F°)	Relative Humidity Condensation Point ⁷
	Total Unit	Center of Glass ³	Total Unit	Center of Glass ³	Center of Glass ^{2,3}	Center of Glass ^{2,3}	Center of Glass ^{2,3}
Awning	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Awning	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Awning	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Awning	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Casement	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Casement	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Casement	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Casement	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Colonial Awning	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Colonial Awning	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Colonial Awning	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Colonial Awning	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Colonial Casement	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Colonial Casement	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Colonial Casement	0.51	0.81	0.48	0.75	0.42	45.4	41.2%
Colonial Casement	0.45	0.71	0.25	0.39	0.85	55.1	62.2%
Door Picture Window	0.62	0.81	0.58	0.75	0.42	45.4	41.2%
Door Picture Window	0.55	0.71	0.30	0.39	0.85	52.8	
Door Picture Window	0.55	0.71	0.30	0.39	0.85	55.1	62.2%
Door Picture Window	0.62	0.81	0.58	0.75	0.42	45.4	41.2%
Door Picture Window	0.55	0.71	0.30	0.39	0.85	52.8	
Door Picture Window	0.55	0.71	0.30	0.39	0.85	55.1	62.2%
Double Hung	0.55	0.81	0.53	0.75	0.42	45.4	41.2%
Double Hung	0.48	0.71	0.29	0.39	0.85	52.8	
Double Hung	0.48	0.71	0.29	0.39	0.85	55.1	62.2%
Double Hung	0.55	0.81	0.53	0.75	0.42	45.4	41.2%
Double Hung	0.48	0.71	0.29	0.39	0.85	52.8	
Double Hung	0.48	0.71	0.29	0.39	0.85	55.1	62.2%

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

TESTING DATA
Thermal Performance

Data pertains to units with no grids.

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	I.G. Unit Thickness	U-Factor ⁴		R-Value	
						Total Unit	Center of Glass ^{2,3}	Total Unit	Center of Glass ^{2,3}
Patio Door	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.48	0.49	2.08	2.04
Patio Door	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.35	0.32	2.86	3.13
Patio Door	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.30	0.26	3.33	3.85
Patio Door	Clear/Clear	2	Air	Super Spacer	3/4"	0.48	0.49	2.08	2.04
Patio Door	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.35	0.32	2.86	3.13
Patio Door	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.30	0.26	3.33	3.85
Picture Casement	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.47	0.49	2.13	2.04
Picture Casement	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.32	0.32	3.13	3.13
Picture Casement	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.29	0.26	3.45	3.85
Picture Casement	Clear/Clear	2	Air	Super Spacer	3/4"	0.47	0.49	2.13	2.04
Picture Casement	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.32	0.32	3.13	3.13
Picture Casement	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.28	0.26	3.57	3.85
Picture Window	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.49	0.49	2.04	2.04
Picture Window	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.35	0.32	2.86	3.13
Picture Window	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.31	0.26	3.23	3.85
Picture Window	Clear/Clear	2	Air	Super Spacer	3/4"	0.48	0.49	2.08	2.04
Picture Window	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.35	0.32	2.86	3.13
Picture Window	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.30	0.26	3.33	3.85
Sidelite	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.44	0.49	2.27	2.04
Sidelite	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.31	0.32	3.23	3.13
Sidelite	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.28	0.26	3.57	3.85
Sidelite	Clear/Clear	2	Air	Super Spacer	3/4"	0.43	0.49	2.33	2.04
Sidelite	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.31	0.32	3.23	3.13
Sidelite	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Single Hung	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.50	0.49	2.00	2.04
Single Hung	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.37	0.32	2.70	3.13
Single Hung	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.33	0.26	3.03	3.85
Single Hung	Clear/Clear	2	Air	Super Spacer	3/4"	0.49	0.49	2.04	2.04

Thermal Performance continued on page 75.

TESTING DATA

Thermal Performance continued from page 74.

Data pertains to units with no grids.

Type	Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁴	Inside Glass Surface Temperature (F°)	Relative Humidity Condensation Point ⁷
	Total Unit	Center of Glass ³	Total Unit	Center of Glass ³	Center of Glass ^{2,3}	Center of Glass ^{2,3}	Center of Glass ^{2,3}
Patio Door	0.65	0.81	0.60	0.75	0.42	45.4	41.2%
Patio Door	0.57	0.71	0.31	0.39	0.85	52.8	
Patio Door	0.57	0.71	0.31	0.39	0.85	55.1	62.2%
Patio Door	0.65	0.81	0.60	0.75	0.42	45.4	41.2%
Patio Door	0.57	0.71	0.31	0.39	0.85	52.8	
Patio Door	0.57	0.71	0.31	0.39	0.85	55.1	62.2%
Picture Casement	0.60	0.81	0.57	0.75	0.42	45.4	41.2%
Picture Casement	0.52	0.71	0.30	0.39	0.85	52.8	
Picture Casement	0.52	0.71	0.30	0.39	0.85	55.1	62.2%
Picture Casement	0.60	0.81	0.57	0.75	0.42	45.4	41.2%
Picture Casement	0.52	0.71	0.30	0.39	0.85	52.8	
Picture Casement	0.52	0.71	0.30	0.39	0.85	55.1	62.2%
Picture Window	0.66	0.81	0.62	0.75	0.42	45.4	41.2%
Picture Window	0.58	0.71	0.32	0.39	0.85	52.8	
Picture Window	0.58	0.71	0.32	0.39	0.85	55.1	62.2%
Picture Window	0.66	0.81	0.62	0.75	0.42	45.4	41.2%
Picture Window	0.58	0.71	0.32	0.39	0.85	52.8	
Picture Window	0.58	0.71	0.32	0.39	0.85	55.1	62.2%
Sidelite	0.61	0.81	0.57	0.75	0.42	45.4	41.2%
Sidelite	0.53	0.71	0.30	0.39	0.85	52.8	
Sidelite	0.53	0.71	0.30	0.39	0.85	55.1	62.2%
Sidelite	0.61	0.81	0.57	0.75	0.42	45.4	41.2%
Sidelite	0.53	0.71	0.30	0.39	0.85	52.8	
Sidelite	0.53	0.71	0.30	0.39	0.85	55.1	62.2%
Single Hung	0.63	0.81	0.59	0.75	0.42	45.4	41.2%
Single Hung	0.55	0.71	0.31	0.39	0.85	52.8	
Single Hung	0.55	0.71	0.31	0.39	0.85	55.1	62.2%
Single Hung	0.63	0.81	0.59	0.75	0.42	45.4	41.2%

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

TESTING DATA
Thermal Performance

Data pertains to units with no grids.

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	I.G. Unit Thickness	U-Factor ⁴		R-Value	
						Total Unit	Center of Glass ^{2,3}	Total Unit	Center of Glass ^{2,3}
Single Hung	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.35	0.32	2.86	3.13
Single Hung	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.32	0.26	3.13	3.85
Slider	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.50	0.49	2.00	2.04
Slider	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.37	0.32	2.70	3.13
Slider	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.32	0.26	3.13	3.85
Slider	Clear/Clear	2	Air	Super Spacer	3/4"	0.49	0.49	2.04	2.04
Slider	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.36	0.32	2.78	3.13
Slider	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.31	0.26	3.23	3.85

Thermal Performance continued on page 77.

TESTING DATA

Thermal Performance continued from page 76.

Data pertains to units with no grids.

Type	Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁴	Inside Glass Surface Temperature (F°)	Relative Humidity Condensation Point ⁷
	Total Unit	Center of Glass ³	Total Unit	Center of Glass ³	Center of Glass ^{2,3}	Center of Glass ^{2,3}	Center of Glass ^{2,3}
Single Hung	0.55	0.71	0.31	0.39	0.85	52.8	
Single Hung	0.55	0.71	0.31	0.39	0.85	55.1	62.2%
Slider	0.63	0.81	0.59	0.75	0.42	45.4	41.2%
Slider	0.55	0.71	0.31	0.39	0.85	52.8	
Slider	0.55	0.71	0.31	0.39	0.85	55.1	62.2%
Slider	0.63	0.81	0.59	0.75	0.42	45.4	41.2%
Slider	0.55	0.71	0.31	0.39	0.85	52.8	
Slider	0.55	0.71	0.31	0.39	0.85	55.1	62.2%

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

TESTING DATA
Thermal Performance

Data pertains to units with grids.

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	I.G. Unit Thickness	U-Factor ⁴		R-Value	
						Total Unit	Center of Glass ^{2,3}	Total Unit	Center of Glass ^{2,3}
Awning	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.49	2.44	2.04
Awning	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.28	0.26	3.57	3.85
Awning	Clear/Clear	2	Air	Super Spacer	3/4"	0.41	0.49	2.44	2.04
Awning	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Casement	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.49	2.44	2.04
Casement	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.28	0.26	3.57	3.85
Casement	Clear/Clear	2	Air	Super Spacer	3/4"	0.41	0.49	2.44	2.04
Casement	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Colonial Awning	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.49	2.44	2.04
Colonial Awning	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.28	0.26	3.57	3.85
Colonial Awning	Clear/Clear	2	Air	Super Spacer	3/4"	0.41	0.49	2.44	2.04
Colonial Awning	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Colonial Casement	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.49	2.44	2.04
Colonial Casement	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.28	0.26	3.57	3.85
Colonial Casement	Clear/Clear	2	Air	Super Spacer	3/4"	0.41	0.49	2.44	2.04
Colonial Casement	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.27	0.26	3.70	3.85
Door Picture Window	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.48	0.49	2.08	2.04
Door Picture Window	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.37	0.32	2.70	3.13
Door Picture Window	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.32	0.26	3.13	3.85
Door Picture Window	Clear/Clear	2	Air	Super Spacer	3/4"	0.48	0.49	2.08	2.04
Door Picture Window	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.35	0.32	2.86	3.13
Door Picture Window	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.31	0.26	3.23	3.85
Double Hung	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.50	0.49	2.00	2.04
Double Hung	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.37	0.32	2.70	3.13
Double Hung	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.33	0.26	3.03	3.85
Double Hung	Clear/Clear	2	Air	Super Spacer	3/4"	0.49	0.49	2.04	2.04
Double Hung	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.37	0.32	2.70	3.13
Double Hung	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.33	0.26	3.03	3.85

Thermal Performance continued on page 79.

TESTING DATA

Thermal Performance continued from page 78.

Data pertains to units with grids.

Type	Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁴	Inside Glass Surface Temperature (F°)	Relative Humidity Condensation Point ⁷
	Total Unit	Center of Glass ³	Total Unit	Center of Glass ³	Center of Glass ^{2,3}	Center of Glass ^{2,3}	Center of Glass ^{2,3}
Awning	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Awning	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Awning	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Awning	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Casement	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Casement	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Casement	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Casement	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Colonial Awning	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Colonial Awning	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Colonial Awning	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Colonial Awning	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Colonial Casement	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Colonial Casement	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Colonial Casement	0.46	0.81	0.43	0.75	0.42	45.4	41.2%
Colonial Casement	0.40	0.71	0.23	0.39	0.85	55.1	62.2%
Door Picture Window	0.56	0.81	0.53	0.75	0.42	45.4	41.2%
Door Picture Window	0.49	0.71	0.28	0.39	0.85	52.8	
Door Picture Window	0.49	0.71	0.28	0.39	0.85	55.1	62.2%
Door Picture Window	0.56	0.81	0.53	0.75	0.42	45.4	41.2%
Door Picture Window	0.49	0.71	0.28	0.39	0.85	52.8	
Door Picture Window	0.49	0.71	0.28	0.39	0.85	55.1	62.2%
Double Hung	0.49	0.81	0.48	0.75	0.42	45.4	41.2%
Double Hung	0.43	0.71	0.26	0.39	0.85	52.8	
Double Hung	0.43	0.71	0.26	0.39	0.85	55.1	62.2%
Double Hung	0.49	0.81	0.48	0.75	0.42	45.4	41.2%
Double Hung	0.43	0.71	0.26	0.39	0.85	52.8	
Double Hung	0.43	0.71	0.26	0.39	0.85	55.1	62.2%

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

TESTING DATA
Thermal Performance

Data pertains to units with grids.

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	I.G. Unit Thickness	U-Factor ⁴		R-Value	
						Total Unit	Center of Glass ^{2,3}	Total Unit	Center of Glass ^{2,3}
Patio Door	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.51	0.49	1.96	2.04
Patio Door	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.40	0.32	2.50	3.13
Patio Door	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.34	0.26	2.94	3.85
Patio Door	Clear/Clear	2	Air	Super Spacer	3/4"	0.51	0.49	1.96	2.04
Patio Door	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.39	0.32	2.56	3.13
Patio Door	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.30	0.26	3.33	3.85
Picture Casement	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.49	0.49	2.04	2.04
Picture Casement	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.35	0.32	2.86	3.13
Picture Casement	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.30	0.26	3.33	3.85
Picture Casement	Clear/Clear	2	Air	Super Spacer	3/4"	0.49	0.49	2.04	2.04
Picture Casement	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.34	0.32	2.94	3.13
Picture Casement	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.30	0.26	3.33	3.85
Picture Window	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.51	0.49	1.96	2.04
Picture Window	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.40	0.32	2.50	3.13
Picture Window	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.34	0.26	2.94	3.85
Picture Window	Clear/Clear	2	Air	Super Spacer	3/4"	0.51	0.49	1.96	2.04
Picture Window	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.39	0.32	2.56	3.13
Picture Window	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.34	0.26	2.94	3.85
Sidelite	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.45	0.49	2.22	2.04
Sidelite	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.33	0.32	3.03	3.13
Sidelite	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.29	0.26	3.45	3.85
Sidelite	Clear/Clear	2	Air	Super Spacer	3/4"	0.44	0.49	2.27	2.04
Sidelite	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.32	0.32	3.13	3.13
Sidelite	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.29	0.26	3.45	3.85
Single Hung	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.50	0.49	2.00	2.04
Single Hung	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.37	0.32	2.70	3.13
Single Hung	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.33	0.26	3.03	3.85
Single Hung	Clear/Clear	2	Air	Super Spacer	3/4"	0.49	0.49	2.04	2.04

Thermal Performance continued on page 81.

TESTING DATA

Thermal Performance continued from page 80.

Data pertains to units with grids.

Type	Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁴	Inside Glass Surface Temperature (F°)	Relative Humidity Condensation Point ⁷
	Total Unit	Center of Glass ³	Total Unit	Center of Glass ³	Center of Glass ^{2,3}	Center of Glass ^{2,3}	Center of Glass ^{2,3}
Patio Door	0.57	0.81	0.53	0.75	0.42	45.4	41.2%
Patio Door	0.50	0.71	0.28	0.39	0.85	52.8	
Patio Door	0.50	0.71	0.28	0.39	0.85	55.1	62.2%
Patio Door	0.57	0.81	0.53	0.75	0.42	45.4	41.2%
Patio Door	0.50	0.71	0.28	0.39	0.85	52.8	
Patio Door	0.50	0.71	0.28	0.39	0.85	55.1	62.2%
Picture Casement	0.54	0.81	0.51	0.75	0.42	45.4	41.2%
Picture Casement	0.47	0.71	0.27	0.39	0.85	52.8	
Picture Casement	0.47	0.71	0.27	0.39	0.85	55.1	62.2%
Picture Casement	0.54	0.81	0.51	0.75	0.42	45.4	41.2%
Picture Casement	0.47	0.71	0.27	0.39	0.85	52.8	
Picture Casement	0.47	0.71	0.27	0.39	0.85	55.1	62.2%
Picture Window	0.59	0.81	0.56	0.75	0.42	45.4	41.2%
Picture Window	0.52	0.71	0.29	0.39	0.85	52.8	
Picture Window	0.52	0.71	0.29	0.39	0.85	55.1	62.2%
Picture Window	0.59	0.81	0.56	0.75	0.42	45.4	41.2%
Picture Window	0.52	0.71	0.29	0.39	0.85	52.8	
Picture Window	0.52	0.71	0.29	0.39	0.85	55.1	62.2%
Sidelite	0.55	0.81	0.51	0.75	0.42	45.4	41.2%
Sidelite	0.48	0.71	0.27	0.39	0.85	52.8	
Sidelite	0.48	0.71	0.27	0.39	0.85	55.1	62.2%
Sidelite	0.55	0.81	0.51	0.75	0.42	45.4	41.2%
Sidelite	0.48	0.71	0.27	0.39	0.85	52.8	
Sidelite	0.48	0.71	0.27	0.39	0.85	55.1	62.2%
Single Hung	0.56	0.81	0.53	0.75	0.42	45.4	41.2%
Single Hung	0.49	0.71	0.28	0.39	0.85	52.8	
Single Hung	0.49	0.71	0.28	0.39	0.85	55.1	62.2%
Single Hung	0.56	0.81	0.53	0.75	0.42	45.4	41.2%

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

TESTING DATA
Thermal Performance

Data pertains to units with grids.

Type	Glazing ¹	Glazing Layers	Gas	Spacer System	I.G. Unit Thickness	U-Factor ⁴		R-Value	
						Total Unit	Center of Glass ^{2,3}	Total Unit	Center of Glass ^{2,3}
Single Hung	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.35	0.32	2.86	3.13
Single Hung	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.32	0.26	3.13	3.85
Slider	Clear/Clear	2	Air	Intercept Spacer	3/4"	0.52	0.49	1.92	2.04
Slider	Low E (SC)/Clear	2	Air	Intercept Spacer	3/4"	0.41	0.32	2.44	3.13
Slider	Low E (SC)/Clear	2	Argon	Intercept Spacer	3/4"	0.35	0.26	2.86	3.85
Slider	Clear/Clear	2	Air	Super Spacer	3/4"	0.51	0.49	1.96	2.04
Slider	Low E (SC)/Clear	2	Air	Super Spacer	3/4"	0.40	0.32	2.50	3.13
Slider	Low E (SC)/Clear	2	Argon	Super Spacer	3/4"	0.38	0.26	2.63	3.85

Thermal Performance continued on page 83.

TESTING DATA

Thermal Performance continued from page 82.

Data pertains to units with grids.

Type	Visible Transmittance ⁵		Solar Heat Gain Coefficient ⁵		UV Block ⁴	Inside Glass Surface Temperature (F°)	Relative Humidity Condensation Point ⁷
	Total Unit	Center of Glass ³	Total Unit	Center of Glass ³	Center of Glass	Center of Glass ^{2,3}	Center of Glass ^{2,3}
Single Hung	0.49	0.71	0.28	0.39	0.85	52.8	
Single Hung	0.49	0.71	0.28	0.39	0.85	55.1	62.2%
Slider	0.56	0.81	0.53	0.75	0.42	45.4	41.2%
Slider	0.49	0.71	0.28	0.39	0.85	52.8	
Slider	0.49	0.71	0.28	0.39	0.85	55.1	62.2%
Slider	0.56	0.81	0.53	0.75	0.42	45.4	41.2%
Slider	0.49	0.71	0.28	0.39	0.85	52.8	
Slider	0.49	0.71	0.28	0.39	0.85	55.1	62.2%

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

TESTING DATA
Structural Performance

Type	Size'	Reinforce-ment Code	Air Infiltration ²	Operating Force ³	Water Penetration ⁴	Water	Uniform Load ⁵	Struc-tural	Overall Rating	Report Number
Awning	53 x 26	00	0.03 scfm/ft ²	N/A	8.25 psf	R55	± 82.5 psf	R55	AP-R55	50952.01-501
Awning	60 x 36	00	0.03 scfm/ft ²	N/A	8.25 psf	R55	± 67.5 psf	R45	AP-R45	50952.01-501
Colonial Awning	53 x 26	00	0.03 scfm/ft ²	N/A	8.25 psf	R55	± 82.5 psf	R55	AP-R55	50952.01-501
Colonial Awning	60 x 36	00	0.03 scfm/ft ²	N/A	8.25 psf	R55	± 67.5 psf	R45	AP-R45	50952.01-501
Casement	36 x 80	00	0.01 scfm/ft ²	N/A	8.25 psf	R55	± 82.5 psf	R55	C-R55	55130.01
Casement T-Mull (Triple)*	100.5 x 60	00	0.10 scfm/ft ²	N/A	7.50 psf	R50	± 75.0 psf	R50	C-R50	05-50949.01
Casement T-Mull (Triple)*	106.5 x 72	00	0.05 scfm/ft ²	N/A	7.50 psf	R50	± 67.5 psf	R45	C-R45	05-30167.01
Colonial Casement	36 x 80	00	0.01 scfm/ft ²	N/A	8.25 psf	R55	± 82.5 psf	R55	C-R55	55130.01
Colonial Casement T-Mull (Triple)*	100.5 x 60	00	0.10 scfm/ft ²	N/A	7.50 psf	R50	± 75.0 psf	R50	C-R50	05-50949.01
Colonial Casement T-Mull (Triple)*	106.5 x 72	00	0.05 scfm/ft ²	N/A	7.50 psf	R50	± 67.5 psf	R45	C-R45	05-30167.01
Double Hung	26 x 76	E9	0.19 scfm/ft ²	19 lbf	7.50 psf	R50	± 75.0 psf	R50	*H-R50	05-49740.01
Double Hung	36 x 60	00	0.24 scfm/ft ²	16 lbf	6.75 psf	R45	± 67.5 psf	R45	*H-R45	01-41002.01
Double Hung	44 x 60	A9	0.21 scfm/ft ²	24 lbf	6.75 psf	R45	± 67.5 psf	R45	H-R45	05-30284.01
Double Hung	44.25 x 60	A2	0.20 scfm/ft ²	18 lbf	5.25 psf	R35	± 52.5 psf	R35	H-R35	05-30611.01
Double Hung	52.13 x 62	E9	0.19 scfm/ft ²	28 lbf	5.25 psf	R35	± 52.5 psf	R35	H-R35	05-30637.01
Double Hung T-Mull (Twin)	72 x 60	00	0.22 scfm/ft ²	16 lbf	5.25 psf	R35	± 52.5 psf	R35	*H-R35	05-30369.01
Picture Casement	74 x 60	00	0.01 scfm/ft ²	N/A	8.25 psf	R55	± 82.5 psf	R55	F-R55	05-30328.01
Picture Casement	96 x 72	00	0.01 scfm/ft ²	N/A	3.75 psf	R25	± 37.5 psf	R25	F-R25	05-30344.01
Door Picture Window	108 x 48	00	0.01 scfm/ft ²	N/A	6.75 psf	R45	± 67.5 psf	R45	F-R45	05-30438.01
Patio Door	107.25 x 80	H5	0.07 scfm/ft ²	4 lbf	6.75 psf	R45	± 67.5 psf	R45	SGD-R45	05-30425.01
Patio Door	71.25 x 82	H5	0.10 scfm/ft ²	8 lbf	7.50 psf	R50	± 75.0 psf	R50	SGD-R50	05-30489.01
Patio Door	71.25 x 96.5	H5	0.10 scfm/ft ²	8 lbf	5.25 psf	R35	± 52.5 psf	R35	SGD-R35	05-30489.01
Patio Door	77.25 x 83.5	E5	0.09 scfm/ft ²	15 lbf	4.50 psf	R30	± 45.0 psf	R30	SGD-R30	01-45256.01
Patio Door	95.25 x 79.5	E5	0.13 scfm/ft ²	16 lbf	5.25 psf	R35	± 52.5 psf	R35	SGD-R35	57142.01
Sidelite	48 x 96	00	0.03 scfm/ft ²	N/A	7.50 psf	R50	± 75.0 psf	R50	F-R50	01-45266.02

1 - Low E (HC) emissivity coating = 0.154; Low E (SC) emissivity = 0.04.

2 - Center of glass information based on double-strength, dual-pane glass.

3 - All center of glass calculations done using Lawrence Berkeley National Laboratory's Window 4.1 thermal analysis program and NFRC approved spectral data and environmental conditions.

4 - All total unit U-Factors tested in accordance to NFRC 100.

5 - All total unit Visible Transmittance and Solar Heat Gain Coefficient tested in accordance to NFRC 200.

6 - UV Block based on UV transmissions from 300 to 380 nm.

7 - The relative humidity percentage measurement applies only to the center of glass. Condensation will form more quickly at the edges of the glass.

Structural Performance continued on page 85.

TESTING DATA

Structural Performance continued from page 84.

Type	Size ¹	Reinforcement Code	Air Infiltration ²	Operating Force ³	Water Penetration ⁴	Water	Uniform Load ⁵	Structural	Overall Rating	Report Number
Picture Window	96 x 60	00	0.01 scfm/ft ²	N/A	5.25 psf	R35	± 52.5 psf	R35	F-R35	05-50948.01
Picture Window	96 x 72	00	0.01 scfm/ft ²	N/A	4.50 psf	R30	± 45.0 psf	R30	F-LC30	05-49858.01
Single Hung	36 x 62	00	0.12 scfm/ft ²	11 lbf	6.75 psf	R45	± 67.5 psf	R45	H-R45	55445.02
Single Hung	36 x 74	A7	0.15 scfm/ft ²	18 lbf	7.50 psf	R50	± 60.0 psf	E40	*H-R40	05-30210.01
Single Hung	36 x 74	E8	0.15 scfm/ft ²	18 lbf	7.50 psf	R50	± 75.0 psf	R50	*H-R50	05-30211.01
Single Hung	36 x 80	E8	0.13 scfm/ft ²	26 lbf	7.50 psf	R50	± 75.0 psf	R50	*H-R50	01-45243.02
Single Hung	44 x 60	00	0.17 scfm/ft ²	17 lbf	6.75 psf	R45	± 52.5 psf	R35	H-R35	05-30180.01
Single Hung	44 x 60	E8	0.13 scfm/ft ²	23 lbf	6.75 psf	R45	± 67.5 psf	R45	H-R45	05-30169.01
Single Hung	44 x 62	00	0.18 scfm/ft ²	11 lbf	5.25 psf	R35	± 52.5 psf	R35	H-R30	55445.01
Single Hung	44 x 62	A8	0.18 scfm/ft ²	11 lbf	5.25 psf	R35	± 52.5 psf	R35	H-R35	55445.02
Single Hung	44.25 x 60	A4	0.15 scfm/ft ²	17 lbf	6.00 psf	R40	± 60.0 psf	R40	H-R40	05-30626.01
Single Hung	48 x 72	E9	0.17 scfm/ft ²	24 lbf	6.00 psf	R40	± 60.0 psf	R40	H-R40	05-30262.01
Single Hung T-Mull (Twin)	72 x 60	00	0.13 scfm/ft ²	21 lbf	6.00 psf	R40	± 52.5 psf	R35	*H-R35	05-30228.01
Single Hung T-Mull (Twin)	72 x 74	E8	0.11 scfm/ft ²	21 lbf	6.75 psf	R45	± 67.5 psf	R45	*H-R45	05-30235.01
Single Hung T-Mull (Twin)	89 x 60	00	0.13 scfm/ft ²	21 lbf	6.00 psf	R40	± 45.0 psf	R30	H-R30	05-30201.01
End Vent	136 x 60	A2	0.07 scfm/ft ²	10 lbf	2.86 psf	R15	± 22.5 psf	R15	HS-R15	52060.01
End Vent	84 x 72	A2	0.10 scfm/ft ²	7 lbf	3.00 psf	R20	± 30.0 psf	R20	HS-R20	05-30508.02
Slider	72 x 48	A2	0.13 scfm/ft ²	11 lbf	6.00 psf	R40	± 60.0 psf	R40	HS-R40	52060.01
Slider	72 x 60	A2	0.08 scfm/ft ²	10 lbf	4.50 psf	R30	± 45.0 psf	R30	HS-R30	52060.01
Slider	72 x 72	A2	0.08 scfm/ft ²	9 lbf	3.00 psf	R20	± 30.0 psf	R20	HS-R20	05-30508.02

Units shown in bold italics sold in specialty markets only. Not available everywhere.

*Glass must be tempered.

TEST REPORTS ARE AVAILABLE UPON REQUEST

All units tested in accordance with AAMA/NWDA 101/I.S.2-97, and include a welded corner test, for which all units either met or exceeded the standards, and a deglazing test, for which all units either met or exceeded the standards.

1 - Sizes are certified up to and including the sizes listed.

2 - Air infiltration is based upon static pressure of 1.57 psf (25 mph). Air infiltration shall not exceed 0.3 standard cubic feet per minute (scfm) per square foot.

3 - Operating force listed is an average of the forces required to open and close the unit. The maximum allowable pound force is 30 lbf for vertical Sliders and 20 lbf for horizontal Sliders.

4 - The minimum water resistance test pressure is 2.86 psf for an entry level R15 water rating, 3.75 psf for an entry level LC25 water rating, and 4.50 psf for an entry level C30 water rating.

5 - The minimum structural test pressure is 22.5 psf for an entry level R15 structural rating, 37.5 psf for an entry level LC25 structural rating, and 45.0 psf for an entry level C30 structural rating.

NOTES: SPECIAL MANUFACTURING REQUIREMENTS, (FOR EXAMPLE, REINFORCEMENT STRENGTH, GLASS STRENGTH, ETC.,) MAY BE NECESSARY TO MEET THE DESIGN PRESSURE LISTED. PLEASE SPECIFY DESIGN PRESSURE REQUIRED WHERE APPLICABLE.

PLEASE CONSULT YOUR SIMONTON REPRESENTATIVE FOR AVAILABILITY OF SIZES. FACTORS SUCH AS HARDWARE RELIABILITY, SHIPPING, CONSISTENCY IN OPERATING FORCE AND SECURING THE UNIT PROPERLY MAY LIMIT THE UNIT SIZE.

ORIEL SIZES SHOWN ARE 60/40 UNLESS SPECIFIED OTHERWISE.



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