

Weather Shield Series™

Opening Specifications

Double Hung Windows (610)

Revised 3/30/17

WEATHER SHIELD.

WINDOWS & DOORS

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening ^a	Sq. Ft. Overall Unit Area ^b
		Width	Height				
16x12	1.39	17.65	11.32	2.19	1.39	52.33	4.90
16x14	1.63	17.65	13.32	2.60	1.63	48.33	5.49
16x16	1.88	17.65	15.32	3.02	1.88	44.33	6.09
16x20	2.37	17.65	19.32	3.84	2.37	36.33	7.27
16x22	2.61	17.65	21.32	4.25	2.61	32.33	7.86
16x24	2.86	17.65	23.32	4.66	2.86	28.33	8.45
16x26	3.10	17.65	25.32	5.07	3.10	24.33	9.05
16x28	3.35	17.65	27.32	5.48	3.35	20.33	9.64
16x30	3.59	17.65	29.32	5.89	3.59	40.33	10.23
16x32	3.84	17.65	31.32	6.30	3.84	36.33	10.82
16x34	4.09	17.65	33.32	6.72	4.09	32.33	11.41
16x36	4.33	17.65	35.32	7.13	4.33	28.33	12.01
16x40	4.82	17.65	39.32	7.95	4.82	20.33	13.19
16x42	5.07	17.65	41.32	8.36	5.07	16.33	13.78
16x45	5.43	17.65	44.32	8.98	5.43	10.33	14.67
20x12	1.70	21.65	11.32	2.79	1.70	52.33	5.82
20x14	2.00	21.65	13.32	3.31	2.00	48.33	6.53
20x16	2.30	21.65	15.32	3.83	2.30	44.33	7.23
20x20	2.91	21.65	19.32	4.88	2.91	36.33	8.64
20x22	3.21	21.65	21.32	5.40	3.21	32.33	9.34
20x24	3.51	21.65	23.32	5.92	3.51	28.33	10.04
20x26	3.81	21.65	25.32	6.44	3.81	24.33	10.74
20x28	4.11	21.65	27.32	6.96	4.11	20.33	11.45
20x30	4.41	21.65	29.32	7.49	4.41	40.33	12.15
20x32	4.71	21.65	31.32	8.01	4.71	36.33	12.85
20x34	5.01	21.65	33.32	8.53	5.01	32.33	13.56
20x36	5.31	21.65	35.32	9.05	5.31	28.33	14.26
20x40	5.91	21.65	39.32	10.10	5.91	20.33	15.67
20x42	6.21	21.65	41.32	10.62	6.21	16.33	16.37
20x45	6.66	21.65	44.32	11.40	6.66	10.33	17.42
24x12	2.02	25.65	11.32	3.38	2.02	52.33	6.74
24x14	2.37	25.65	13.32	4.01	2.37	48.33	7.56
24x16	2.73	25.65	15.32	4.65	2.73	44.33	8.37
24x20	3.44	25.65	19.32	5.91	3.44	36.33	10.00
24x22	3.80	25.65	21.32	6.55	3.80	32.33	10.81
24x24	4.15	25.65	23.32	7.18	4.15	28.33	11.63
24x26	4.51	25.65	25.32	7.81	4.51	24.33	12.44
24x28	4.87	25.65	27.32	8.45	4.87	20.33	13.26
24x30	5.22	25.65	29.32	9.08	5.22	40.33	14.07
24x32	5.58	25.65	31.32	9.71	5.58	36.33	14.89
24x34	5.94	25.65	33.32	10.35	5.94	32.33	15.70
24x36	6.29	25.65	35.32	10.98	6.29	28.33	16.51
24x40	7.01	25.65	39.32	12.25	7.01	20.33	18.14
24x42	7.36	25.65	41.32	12.88	7.36	16.33	18.96
24x45	7.90	25.65	44.32	13.83	7.90	10.33	20.18
26x12	2.17	27.65	11.32	3.68	2.17	52.33	7.20
26x14	2.56	27.65	13.32	4.36	2.56	48.33	8.07
26x16	2.94	27.65	15.32	5.05	2.94	44.33	8.94
26x20	3.71	27.65	19.32	6.43	3.71	36.33	10.68
26x22	4.09	27.65	21.32	7.12	4.09	32.33	11.55
26x24	4.48	27.65	23.32	7.81	4.48	28.33	12.42
26x26	4.86	27.65	25.32	8.50	4.86	24.33	13.29
26x28	5.25	27.65	27.32	9.19	5.25	20.33	14.16
26x30	5.63	27.65	29.32	9.88	5.63	40.33	15.03
26x32	6.01	27.65	31.32	10.56	6.01	36.33	15.90
26x34	6.40	27.65	33.32	11.25	6.40	32.33	16.77
26x36	6.78	27.65	35.32	11.94	6.78	28.33	17.64
26x40	7.55	27.65	39.32	13.32	7.55	20.33	19.38
26x42	7.94	27.65	41.32	14.01	7.94	16.33	20.25
26x45	8.51	27.65	44.32	15.04	8.51	10.33	21.55

Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

^a Floor to bottom of clear opening dimensions are based on 82" jamb height of a 6-10 door.

All units over 28" glass height are based off 106" jamb height for floor to clear opening dimension

^b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

The requirements outlined above for the major US building codes can be modified by local jurisdictions. Therefore, it is important to check local codes in the areas in which the product is to be installed.

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Double Hung Windows (610)

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WEATHER SHIELD.

WINDOWS & DOORS

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening ^a	Sq. Ft. Overall Unit Area ^b
		Width	Height				
28x12	2.33	29.65	11.32	3.97	2.33	52.33	7.66
28x14	2.74	29.65	13.32	4.72	2.74	48.33	8.59
28x16	3.16	29.65	15.32	5.46	3.16	44.33	9.51
28x20	3.98	29.65	19.32	6.95	3.98	36.33	11.36
28x22	4.39	29.65	21.32	7.69	4.39	32.33	12.29
28x24	4.80	29.65	23.32	8.44	4.80	28.33	13.22
28x26	5.21	29.65	25.32	9.18	5.21	24.33	14.14
28x28	5.63	29.65	27.32	9.93	5.63	20.33	15.07
28x28E	5.97	29.65	28.97	9.93	5.97	20.33	15.07
28x30	6.04	29.65	29.32	10.67	6.04	40.33	15.99
28x32	6.45	29.65	31.32	11.42	6.45	36.33	16.92
28x34	6.86	29.65	33.32	12.16	6.86	32.33	17.84
28x36	7.27	29.65	35.32	12.91	7.27	28.33	18.77
28x40	8.10	29.65	39.32	14.39	8.10	20.33	20.62
28x42	8.51	29.65	41.32	15.14	8.51	16.33	21.54
28x45	9.13	29.65	44.32	16.26	9.13	10.33	22.93
30x12	2.49	31.65	11.32	4.27	2.49	52.33	8.12
30x14	2.93	31.65	13.32	5.07	2.93	48.33	9.10
30x16	3.37	31.65	15.32	5.87	3.37	44.33	10.08
30x20	4.25	31.65	19.32	7.47	4.25	36.33	12.05
30x22	4.69	31.65	21.32	8.27	4.69	32.33	13.03
30x24	5.13	31.65	23.32	9.07	5.13	28.33	14.01
30x26	5.57	31.65	25.32	9.87	5.57	24.33	14.99
30x28	6.01	31.65	27.32	10.67	6.01	20.33	15.97
30x30	6.45	31.65	29.32	11.47	6.45	40.33	16.95
30x32	6.88	31.65	31.32	12.27	6.88	36.33	17.93
30x34	7.32	31.65	33.32	13.07	7.32	32.33	18.91
30x36	7.76	31.65	35.32	13.87	7.76	28.33	19.89
30x40	8.64	31.65	39.32	15.47	8.64	20.33	21.86
30x42	9.08	31.65	41.32	16.27	9.08	16.33	22.84
30x45	9.74	31.65	44.32	17.47	9.74	10.33	24.31
32x12	2.65	33.65	11.32	4.57	2.65	52.33	8.58
32x14	3.11	33.65	13.32	5.42	3.11	48.33	9.62
32x16	3.58	33.65	15.32	6.28	3.58	44.33	10.66
32x20	4.52	33.65	19.32	7.99	4.52	36.33	12.73
32x22	4.98	33.65	21.32	8.84	4.98	32.33	13.77
32x24	5.45	33.65	23.32	9.70	5.45	28.33	14.80
32x24E	5.84	33.65	24.97	9.70	5.84	28.33	14.80
32x26	5.92	33.65	25.32	10.55	5.92	24.33	15.84
32x28	6.39	33.65	27.32	11.41	6.39	20.33	16.87
32x30	6.85	33.65	29.32	12.27	6.85	40.33	17.91
32x32	7.32	33.65	31.32	13.12	7.32	36.33	18.95
32x34	7.79	33.65	33.32	13.98	7.79	32.33	19.98
32x36	8.25	33.65	35.32	14.83	8.25	28.33	21.02
32x40	9.19	33.65	39.32	16.54	9.19	20.33	23.09
32x42	9.66	33.65	41.32	17.40	9.66	16.33	24.13
32x45	10.36	33.65	44.32	18.68	10.36	10.33	25.68
36x12	2.96	37.65	11.32	5.16	2.96	52.33	9.50
36x14	3.48	37.65	13.32	6.12	3.48	48.33	10.65
36x16	4.01	37.65	15.32	7.09	4.01	44.33	11.80
36x20	5.05	37.65	19.32	9.02	5.05	36.33	14.09
36x22	5.58	37.65	21.32	9.99	5.58	32.33	15.24
36x24	6.10	37.65	23.32	10.96	6.10	28.33	16.39
36x26	6.62	37.65	25.32	11.92	6.62	24.33	17.54
36x28	7.14	37.65	27.32	12.89	7.14	20.33	18.68
36x30	7.67	37.65	29.32	13.86	7.67	40.33	19.83
36x32	8.19	37.65	31.32	14.82	8.19	36.33	20.98
36x34	8.71	37.65	33.32	15.79	8.71	32.33	22.13
36x36	9.24	37.65	35.32	16.76	9.24	28.33	23.27
36x40	10.28	37.65	39.32	18.69	10.28	20.33	25.57
36x42	10.80	37.65	41.32	19.66	10.80	16.33	26.72
36x45	11.59	37.65	44.32	21.11	11.59	10.33	28.44

Shaded sizes meet or exceed egress opening requirements per 2006 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

^a Floor to bottom of clear opening dimensions are based on 82" jamb height of a 6-10 door.

All units over 66" RO height are based off 106" jamb height for floor to clear opening dimension

^b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.

28x28E and 32x24E units must be ordered as "egress" windows to meet opening requirements. These special "egress" units are manufactured with a 1 3/8" sill stop, 3/4" vinyl sill riser, no sash stops and special balances and balance clips. These "egress" windows have not been tested for structural performance.

The requirements outlined above for the major US building codes can be modified by local jurisdictions. Therefore, it is important to check local codes in the areas in which the product is to be installed.

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WINDOWS & DOORS

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Floor to Bottom of Clear Opening ^a	Sq. Ft. Overall Unit Area ^b
		Width	Height				
40x12	3.27	41.65	11.32	5.75	3.27	52.33	10.42
40x14	3.85	41.65	13.32	6.83	3.85	48.33	11.68
40x16	4.43	41.65	15.32	7.91	4.43	44.33	12.94
40x20	5.59	41.65	19.32	10.06	5.59	36.33	15.46
40x22	6.17	41.65	21.32	11.14	6.17	32.33	16.72
40x24	6.75	41.65	23.32	12.22	6.75	28.33	17.98
40x26	7.32	41.65	25.32	13.30	7.32	24.33	19.23
40x28	7.90	41.65	27.32	14.37	7.90	20.33	20.49
40x30	8.48	41.65	29.32	15.45	8.48	40.33	21.75
40x32	9.06	41.65	31.32	16.53	9.06	36.33	23.01
40x34	9.64	41.65	33.32	17.61	9.64	32.33	24.27
40x36	10.22	41.65	35.32	18.68	10.22	28.33	25.53
40x40	11.37	41.65	39.32	20.84	11.37	20.33	28.04
40x42	11.95	41.65	41.32	21.92	11.95	16.33	29.30
40x45	12.82	41.65	44.32	23.53	12.82	10.33	31.19

Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

^a Floor to bottom of clear opening dimensions are based on 82" jamb height of a 6-10 door.

All units over 28" glass height are based off 106" jamb height for floor to clear opening dimension

^b Sq. Ft. Overall Unit Area is calculated on the jamb dimension.