

Weather Shield Series™

Opening Specifications

Casement Windows (6204)

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
	Std Hinges	Egress Hinges	Width - Std Hinges	Width - Egress Hinges	Height				
12x20	1.29	1.55	9.06	10.88	20.50	1.45	1.64	60.23	2.68
12x24	1.54	1.85	9.06	10.88	24.50	1.76	1.96	56.23	3.13
12x28	1.79	2.15	9.06	10.88	28.50	2.06	2.28	52.23	3.57
12x32	2.05	2.45	9.06	10.88	32.50	2.37	2.60	48.23	4.01
12x36	2.30	2.76	9.06	10.88	36.50	2.67	2.91	44.23	4.46
12x40	2.55	3.06	9.06	10.88	40.50	2.98	3.23	40.23	4.90
12x44	2.80	3.36	9.06	10.88	44.50	3.28	3.55	36.23	5.35
12x50	3.18	3.81	9.06	10.88	50.50	3.74	4.03	30.23	6.01
12x54	3.43	4.12	9.06	10.88	54.50	4.05	4.35	26.23	6.46
12x58	3.68	4.42	9.06	10.88	58.50	4.35	4.67	22.23	6.90
12x68	4.31	5.17	9.06	10.88	68.50	5.12	5.47	12.23	8.01
16x20	1.80	2.10	12.63	14.75	20.50	1.98	2.21	60.23	3.35
16x24	2.15	2.51	12.63	14.75	24.50	2.40	2.64	56.23	3.91
16x28	2.50	2.92	12.63	14.75	28.50	2.81	3.07	52.23	4.46
16x32	2.85	3.33	12.63	14.75	32.50	3.23	3.50	48.23	5.02
16x36	3.20	3.74	12.63	14.75	36.50	3.65	3.93	44.23	5.57
16x40	3.55	4.15	12.63	14.75	40.50	4.06	4.36	40.23	6.13
16x44	3.90	4.56	12.63	14.75	44.50	4.48	4.79	36.23	6.68
16x50	4.43	5.17	12.63	14.75	50.50	5.10	5.44	30.23	7.52
16x54	4.78	5.58	12.63	14.75	54.50	5.52	5.87	26.23	8.07
16x58	5.13	5.99	12.63	14.75	58.50	5.94	6.30	22.23	8.63
16x68	6.01	7.02	12.63	14.75	68.50	6.98	7.37	12.23	10.02
20x20	2.36	2.66	16.56	18.69	20.50	2.51	2.78	60.23	4.02
20x24	2.82	3.18	16.56	18.69	24.50	3.03	3.32	56.23	4.69
20x28	3.28	3.70	16.56	18.69	28.50	3.56	3.86	52.23	5.35
20x32	3.74	4.22	16.56	18.69	32.50	4.09	4.40	48.23	6.02
20x36	4.20	4.74	16.56	18.69	36.50	4.62	4.94	44.23	6.69
20x40	4.66	5.26	16.56	18.69	40.50	5.15	5.48	40.23	7.35
20x44	5.12	5.77	16.56	18.69	44.50	5.67	6.03	36.23	8.02
20x50	5.81	6.55	16.56	18.69	50.50	6.47	6.84	30.23	9.02
20x54	6.27	7.07	16.56	18.69	54.50	6.99	7.38	26.23	9.69
20x58	6.73	7.59	16.56	18.69	58.50	7.52	7.92	22.23	10.35
20x68	7.88	8.89	16.56	18.69	68.50	8.84	9.28	12.23	12.02
24x20	2.91	3.23	20.44	22.69	20.50	3.03	3.35	60.23	4.69
24x24	3.48	3.86	20.44	22.69	24.50	3.67	4.00	56.23	5.47
24x28	4.04	4.49	20.44	22.69	28.50	4.31	4.65	52.23	6.25
24x32	4.61	5.12	20.44	22.69	32.50	4.95	5.30	48.23	7.02
24x36 ^c	5.18	5.75	20.44	22.69	36.50	5.59	5.96	44.23	7.80
24x40	5.75	6.38	20.44	22.69	40.50	6.23	6.61	40.23	8.58
24x44	6.32	7.01	20.44	22.69	44.50	6.87	7.26	36.23	9.36
24x50	7.17	7.96	20.44	22.69	50.50	7.83	8.24	30.23	10.52
24x54	7.74	8.59	20.44	22.69	54.50	8.47	8.89	26.23	11.30
24x58	8.30	9.22	20.44	22.69	58.50	9.10	9.55	22.23	12.08
24x68	9.72	10.79	20.44	22.69	68.50	10.70	11.18	12.23	14.02
28x20	3.42	-	24.00	-	20.50	3.56	3.91	60.23	5.36
28x24	4.08	-	24.00	-	24.50	4.31	4.68	56.23	6.25
28x28	4.75	-	24.00	-	28.50	5.06	5.44	52.23	7.14
28x32	5.42	-	24.00	-	32.50	5.81	6.21	48.23	8.03
28x36 ^c	6.08	-	24.00	-	36.50	6.56	6.97	44.23	8.92
28x40	6.75	-	24.00	-	40.50	7.31	7.73	40.23	9.81
28x44	7.42	-	24.00	-	44.50	8.06	8.50	36.23	10.69
28x50	8.42	-	24.00	-	50.50	9.19	9.64	30.23	12.03
28x54	9.08	-	24.00	-	54.50	9.94	10.41	26.23	12.92
28x58	9.75	-	24.00	-	58.50	10.69	11.17	22.23	13.81
28x68	11.42	-	24.00	-	68.50	12.56	13.08	12.23	16.03
32x20	3.28	-	23.06	-	20.50	4.09	4.48	60.23	6.03
32x24	3.92	-	23.06	-	24.50	4.95	5.36	56.23	7.03
32x28	4.56	-	23.06	-	28.50	5.81	6.23	52.23	8.03
32x32	5.21	-	23.06	-	32.50	6.67	7.11	48.23	9.03
32x36 ^c	5.85	-	23.06	-	36.50	7.53	7.98	44.23	10.03
32x40	6.49	-	23.06	-	40.50	8.40	8.86	40.23	11.03
32x44	7.13	-	23.06	-	44.50	9.26	9.73	36.23	12.03
32x50	8.09	-	23.06	-	50.50	10.55	11.05	30.23	13.53
32x54	8.73	-	23.06	-	54.50	11.41	11.92	26.23	14.53
32x58	9.37	-	23.06	-	58.50	12.27	12.80	22.23	15.53
32x68	10.97	-	23.06	-	68.50	14.42	14.98	12.23	18.03

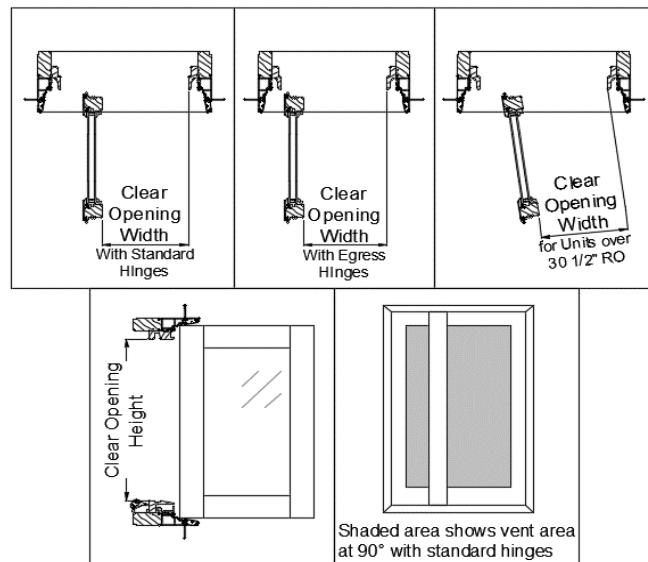
Shaded sizes meet or exceed egress opening requirements per 2015 IBC (International Building Code) minimum dimensions of 20" clear opening width, 24" clear opening height, 5.7 sq. ft. clear opening and floor to bottom of clear opening not to exceed 44".

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

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

^c These windows meet or exceed emergency escape and rescue opening requirements if installed lower in the wall so the "Floor to Bottom of Clear Opening Height" does not exceed 44".

All units 28" glass width or wider are manufactured with a 14" hinge. Sash opens to approximately 82° at full opening, which could limit emergency escape and rescue compatibility. Clear opening width values for these are calculated parallel to the sash. Check with your local building inspector to verify allowance



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.