Opening Specifications

Signature Double Hung Windows (8109)

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				
1630	1.217	13.914	12.600	1.938	1.217	49.063	4.31
1636	1.507	13.914	15.600	2.397	1.507	43.063	5.04
1640	1.797	13.914	18.600	2.855	1.797	37.063	5.77
1646	2.087	13.914	21.600	3.313	2.087	31.063	6.50
1648	2.184	13.914	22.600	3.466	2.184	29.063	6.74
1650	2.377	13.914	24.600	3.772	2.377	25.063	7.23
1656	2.667	13.914	27.600	4.230	2.667	43.063	7.96
1660	2.957	13.914	30.600	4.688	2.957	37.063	8.69
1666	3.013	13.914	31.180	5.147	3.013	31.063	9.42
1670	3.013	13.914	31.180	5.605	3.013	25.063	10.15
2030	1.742	19.914	12.600	2.996	1.742	49.063	5.79
2036	2.157	19.914	15.600	3.704	2.157	43.063	6.77
2040	2.572	19.914	18.600	4.412	2.572	37.063	7.75
2046	2.987	19.914	21.600	5.121	2.987	31.063	8.73
2048	3.125	19.914	22.600	5.357	3.125	29.063	9.06
2050	3.402	19.914	24.600	5.829	3.402	25.063	9.71
2056	3.817	19.914	27.600	6.537	3.817	43.063	10.69
2060	4.232	19.914	30.600	7.246	4.232	37.063	11.67
2066	4.095	19.914	29.610	7.954	4.095	31.063	12.65
2070	4.095	19.914	29.610	8.662	4.095	25.063	13.63
2630	2.267	25.914	12.600	4.053	2.267	49.063	7.27
2636	2.807	25.914	15.600	5.011	2.807	43.063	8.50
2640	3.347	25.914	18.600	5.970	3.347	37.063	9.73
2646	3.887	25.914	21.600	6.928	3.887	31.063	10.96
2648	4.067	25.914	22.600	7.247	4.067	29.063	11.37
2650	4.427	25.914	24.600	7.886	4.427	25.063	12.19
2656	4.967	25.914	27.600	8.845	4.967	43.063	13.42
2660	5.329	25.914	29.610	9.803	5.329	37.063	14.65
2666	5.329	25.914	29.610	10.761	5.329	31.063	15.88
2670	5.329	25.914	29.610	11.720	5.329	25.063	17.11
2830	2.442	27.914	12.600	4.405	2.442	49.063	7.77
2836	3.024	27.914	15.600	5.447	3.024	43.063	9.08
2840	3.606	27.914	18.600	6.489	3.606	37.063	10.39
2846	4.187	27.914	21.600	7.530	4.187	31.063	11.70
2848	4.381	27.914	22.600	7.878	4.381	29.063	12.14
2850	4.769	27.914	24.600	8.572	4.769	25.063	13.02
2856	5.350	27.914	27.600	9.614	5.350	43.063	14.33
2860	5.740	27.914	29.610	10.655	5.740	37.063	15.64
2866	5.740	27.914	29.610	11.697	5.740	31.063	16.95
2870	5.740	27.914	29.610	12.739	5.740	25.063	18.27
21030	2.617	29.914	12.600	4.758	2.617	49.063	8.26
21036	3.241	29.914	15.600	5.883	3.241	43.063	9.65
21040	3.864	29.914	18.600	7.008	3.864	37.063	11.05
21046	4.487	29.914	21.600	8.133	4.487	31.063	12.45
21048	4.695	29.914	22.600	8.508	4.695	29.063	12.91
21050	5.110	29.914	24.600	9.258	5.110	25.063	13.84
21056	5.734	29.914	27.600	10.383	5.734	43.063	15.24
21060	6.151	29.914	29.610	11.508	6.151	37.063	16.63
21066	6.151	29.914	29.610	12.633	6.151	31.063	18.03
21070	6.151	29.914	29.610	13.758	6.151	25.063	19.43

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" header height.

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

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

3050 (E) and 3149 (E) have a slightly modified sash proportion to meet egress. Top sash glass is 2" taller than the bottom. Sash stop must be removed to meet egress requirements.

3052 R.O. (36" x 62") meets egress when sash stop is not used.

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		Width	Height				
3030	2.792	31.914	12.600	5.110	2.792	49.063	8.75
3036	3.457	31.914	15.600	6.319	3.457	43.063	10.23
3040	4.122	31.914	18.600	7.527	4.122	37.063	11.71
3046	4.787	31.914	21.600	8.735	4.787	31.063	13.19
3048	5.009	31.914	22.600	9.138	5.009	29.063	13.68
3050	5.452	31.914	24.600	9.944	5.452	25.063	14.67
3050(E)	5.701	31.914	25.724	9.944	5.701	25.063	14.67
3052	5.701	31.914	25.724	10.346	5.701	23.063	15.16
3056	6.117	31.914	27.600	11.152	6.117	43.063	16.15
3060	6.562	31.914	29.610	12.360	6.562	37.063	17.63
3066	6.562	31.914	29.610	13.569	6.562	31.063	19.11
3070	6.562	31.914	29.610	14.777	6.562	25.063	20.59
3149(E)	5.721	33.664	24.474	10.010	5.721	51.563	14.74
3230	2.967	33.914	12.600	5.463	2.967	49.063	9.24
3236	3.674	33.914	15.600	6.754	3.674	43.063	10.81
3240	4.381	33.914	18.600	8.046	4.381	37.063	12.37
3246	5.087	33.914	21.600	9.338	5.087	31.063	13.93
3248	5.323	33.914	22.600	9.768	5.323	29.063	14.45
3250	5.794	33.914	24.600	10.629	5.794	25.063	15.49
3256	6.500	33.914	27.600	11.921	6.500	43.063	17.06
3260	6.974	33.914	29.610	13.213	6.974	37.063	18.62
3266	6.974	33.914	29.610	14.504	6.974	31.063	20.18
3270	6.974	33.914	29.610	15.796	6.974	25.063	21.74
3630	3.317	37.914	12.600	6.168	3.317	49.063	10.23
3636	4.107	37.914	15.600	7.626	4.107	43.063	11.96
3640	4.897	37.914	18.600	9.084	4.897	37.063	13.69
3646	5.687	37.914	21.600	10.543	5.687	31.063	15.42
3648	5.950	37.914	22.600	11.029	5.950	29.063	15.99
3650	6.477	37.914	24.600	12.001	6.477	25.063	17.15
3656	7.267	37.914	27.600	13.459	7.267	43.063	18.88
3660	7.796	37.914	29.610	14.918	7.796	37.063	20.61
3666	7.796	37.914	29.610	16.376	7.796	31.063	22.34
3670	7.368	37.914	27.986	17.834	7.368	25.063	24.06
4030	3.842	43.914	12.600	7.225	3.842	49.063	11.71
4036	4.757	43.914	15.600	8.933	4.757	43.063	13.69
4040	5.672	43.914	18.600	10.641	5.672	37.063	15.67
4046	6.587	43.914	21.600	12.350	6.587	31.063	17.65
4048	6.892	43.914	22.600	12.919	6.892	29.063	18.31
4050	7.502	43.914	24.600	14.058	7.502	25.063	19.63
4056	8.417	43.914	27.600	15.766	8.417	43.063	21.61
4060	8.535	43.914	27.986	17.475	8.535	37.063	23.59
4066	8.535	43.914	27.986	19.183	8.535	31.063	25.56
4070	8.535	43.914	27.986	20.891	8.535	25.063	27.54

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