

Opening Specifications

Premium Double Hung Windows (8109)



Weather Shield®
Windows & Doors

Call Size	Sq. Ft. Clear Opening	Clear Opening		Sq. Ft. Daylight Opening	Sq. Ft. Vent	Top of Subfloor to Top of Sill Stop ^a	Sq. Ft. Overall Unit Area ^b
		Width	Height				
1630	1.217	13.914	12.600	1.938	1.217	48.063	4.31
1636	1.507	13.914	15.600	2.397	1.507	42.063	5.04
1640	1.797	13.914	18.600	2.855	1.797	36.063	5.77
1646	2.087	13.914	21.600	3.313	2.087	30.063	6.50
1648	2.184	13.914	22.600	3.466	2.184	28.063	6.74
1650	2.377	13.914	24.600	3.772	2.377	24.063	7.23
1656	2.667	13.914	27.600	4.230	2.667	42.063	7.96
1660	2.957	13.914	30.600	4.688	2.957	36.063	8.69
1666	3.013	13.914	31.180	5.147	3.013	30.063	9.42
1670	3.013	13.914	31.180	5.605	3.013	24.063	10.15
1676	3.013	13.914	31.180	6.063	3.013	18.063	10.88
1680	3.013	13.914	31.180	6.522	3.013	12.063	11.61
2030	1.742	19.914	12.600	2.996	1.742	48.063	5.79
2036	2.157	19.914	15.600	3.704	2.157	42.063	6.77
2040	2.572	19.914	18.600	4.412	2.572	36.063	7.75
2046	2.987	19.914	21.600	5.121	2.987	30.063	8.73
2048	3.125	19.914	22.600	5.357	3.125	28.063	9.06
2050	3.402	19.914	24.600	5.829	3.402	24.063	9.71
2056	3.817	19.914	27.600	6.537	3.817	42.063	10.69
2060	4.232	19.914	30.600	7.246	4.232	36.063	11.67
2066	4.095	19.914	29.610	7.954	4.095	30.063	12.65
2070	4.095	19.914	29.610	8.662	4.095	24.063	13.63
2076	4.095	19.914	29.610	9.371	4.095	18.063	14.61
2070	4.095	19.914	29.610	10.079	4.095	12.063	15.59
2630	2.267	25.914	12.600	4.053	2.267	48.063	7.27
2636	2.807	25.914	15.600	5.011	2.807	42.063	8.50
2640	3.347	25.914	18.600	5.970	3.347	36.063	9.73
2646	3.887	25.914	21.600	6.928	3.887	30.063	10.96
2648	4.067	25.914	22.600	7.247	4.067	28.063	11.37
2650	4.427	25.914	24.600	7.886	4.427	24.063	12.19
2656	4.967	25.914	27.600	8.845	4.967	42.063	13.42
2660	5.329	25.914	29.610	9.803	5.329	36.063	14.65
2666	5.329	25.914	29.610	10.761	5.329	30.063	15.88
2670	5.329	25.914	29.610	11.720	5.329	24.063	17.11
2676	5.329	25.914	29.610	12.678	5.329	18.063	18.34
2680	5.329	25.914	29.610	13.636	5.329	12.063	19.56
2830	2.442	27.914	12.600	4.405	2.442	48.063	7.77
2836	3.024	27.914	15.600	5.447	3.024	42.063	9.08
2840	3.606	27.914	18.600	6.489	3.606	36.063	10.39
2846	4.187	27.914	21.600	7.530	4.187	30.063	11.70
2848	4.381	27.914	22.600	7.878	4.381	28.063	12.14
2850	4.769	27.914	24.600	8.572	4.769	24.063	13.02
2856	5.350	27.914	27.600	9.614	5.350	42.063	14.33
2860	5.740	27.914	29.610	10.655	5.740	36.063	15.64
2866	5.740	27.914	29.610	11.697	5.740	30.063	16.95
2870	5.740	27.914	29.610	12.739	5.740	24.063	18.27
2876	5.740	27.914	29.610	13.780	5.740	18.063	19.58
2880	5.740	27.914	29.610	14.822	5.740	12.063	20.89
21030	2.617	29.914	12.600	4.758	2.617	48.063	8.26
21036	3.241	29.914	15.600	5.883	3.241	42.063	9.65
21040	3.864	29.914	18.600	7.008	3.864	36.063	11.05
21046	4.487	29.914	21.600	8.133	4.487	30.063	12.45
21048	4.695	29.914	22.600	8.508	4.695	28.063	12.91
21050	5.110	29.914	24.600	9.258	5.110	24.063	13.84
21056	5.734	29.914	27.600	10.383	5.734	42.063	15.24
21060	6.151	29.914	29.610	11.508	6.151	36.063	16.63
21066	6.151	29.914	29.610	12.633	6.151	30.063	18.03
21070	6.151	29.914	29.610	13.758	6.151	24.063	19.43
21076	6.151	29.914	29.610	14.883	6.151	18.063	20.82
21080	6.151	29.914	29.610	16.008	6.151	12.063	22.22

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	48.063	8.75
3036	3.457	31.914	15.600	6.319	3.457	42.063	10.23
3040	4.122	31.914	18.600	7.527	4.122	36.063	11.71
3046	4.787	31.914	21.600	8.735	4.787	30.063	13.19
3048	5.009	31.914	22.600	9.138	5.009	28.063	13.68
3050	5.452	31.914	24.600	9.944	5.452	24.063	14.67
3050(E)	5.701	31.914	25.724	9.944	5.701	24.063	14.67
3052	5.701	31.914	25.724	10.346	5.701	22.063	15.16
3056	6.117	31.914	27.600	11.152	6.117	42.063	16.15
3060	6.562	31.914	29.610	12.360	6.562	36.063	17.63
3066	6.562	31.914	29.610	13.569	6.562	30.063	19.11
3070	6.562	31.914	29.610	13.569	6.562	30.063	19.11
3076	6.562	31.914	29.610	14.777	6.562	24.063	20.59
3080	6.562	31.914	29.610	15.985	6.562	18.063	22.06
3149(E)	6.922	33.664	29.610	10.010	6.922	26.563	14.74
3230	2.967	33.914	12.600	5.463	2.967	48.063	9.24
3236	3.674	33.914	15.600	6.754	3.674	42.063	10.81
3240	4.381	33.914	18.600	8.046	4.381	36.063	12.37
3246	5.087	33.914	21.600	9.338	5.087	30.063	13.93
3248	5.323	33.914	22.600	9.768	5.323	28.063	14.45
3250	5.794	33.914	24.600	10.629	5.794	24.063	15.49
3256	6.500	33.914	27.600	11.921	6.500	42.063	17.06
3260	6.974	33.914	29.610	13.213	6.974	36.063	18.62
3266	6.974	33.914	29.610	14.504	6.974	30.063	20.18
3270	6.974	33.914	29.610	15.796	6.974	24.063	21.74
3276	6.974	33.914	29.610	17.088	6.974	18.063	23.31
3280	6.591	33.914	27.986	18.379	6.591	12.063	24.87
3630	3.317	37.914	12.600	6.168	3.317	48.063	10.23
3636	4.107	37.914	15.600	7.626	4.107	42.063	11.96
3640	4.897	37.914	18.600	9.084	4.897	36.063	13.69
3646	5.687	37.914	21.600	10.543	5.687	30.063	15.42
3648	5.950	37.914	22.600	11.029	5.950	28.063	15.99
3650	6.477	37.914	24.600	12.001	6.477	24.063	17.15
3656	7.267	37.914	27.600	13.459	7.267	42.063	18.88
3660	7.796	37.914	29.610	14.918	7.796	36.063	20.61
3666	7.796	37.914	29.610	16.376	7.796	30.063	22.34
3670	7.368	37.914	27.986	17.834	7.368	24.063	24.06
3676	7.368	37.914	27.986	19.293	7.368	18.063	25.79
3680	7.368	37.914	27.986	20.751	7.368	12.063	27.52
4030	3.842	43.914	12.600	7.225	3.842	48.063	11.71
4036	4.757	43.914	15.600	8.933	4.757	42.063	13.69
4040	5.672	43.914	18.600	10.641	5.672	36.063	15.67
4046	6.587	43.914	21.600	12.350	6.587	30.063	17.65
4048	6.892	43.914	22.600	12.919	6.892	28.063	18.31
4050	7.502	43.914	24.600	14.058	7.502	24.063	19.63
4056	8.417	43.914	27.600	15.766	8.417	42.063	21.61
4060	8.535	43.914	27.986	17.475	8.535	36.063	23.59
4066	8.535	43.914	27.986	19.183	8.535	30.063	25.56
4070	8.535	43.914	27.986	20.891	8.535	24.063	27.54
4076	8.535	43.914	27.986	22.600	8.535	18.063	29.52
4080	8.535	43.914	27.986	24.308	8.535	12.063	31.50

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