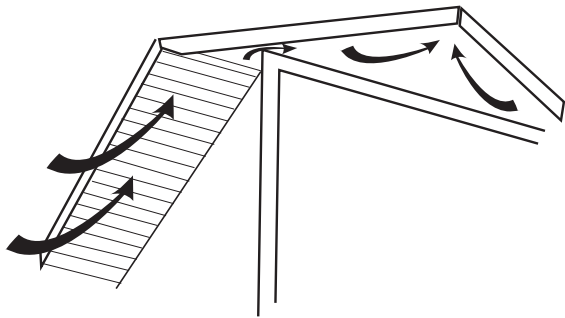


SOFFIT VENTILATION

FREE AREA CHART

Following building codes while installing a proper ventilation system is critical to the structural performance of your house. The ICC has provided general guidelines for determining proper ventilation for the home. The 1/300 and 1/150 ratios are guidelines for calculating ventilation requirements. Be sure to follow applicable local building codes.

The free area of ventilation (in square inches) needed is the number at which the two columns intersect. The sum of the free area of all ceilings equal the total free area required. The total square feet of an attic space divided by 300 = the total net free area required for appropriate ventilation. Attics without vapor barriers must use the 1/150 ratio. Keep in mind that some climates or locations demand more net free area to prevent ice dams in cold climates and mold and mildew in hotter climates.



PROPER SOFFIT VENTILATION

Properly installed soffit allows air to flow naturally. Moisture can collect under roof structures and on rafters causing rotting and decaying. ALSCO® aluminum soffit is engineered so that air circulates properly to help eliminate moisture problems. ALSCO's soffit panels are designed to provide optimal airflow.

Ceiling Length (In Feet)	Ceiling Width (In Feet)														
	20	22	24	26	28	30	32	34	36	40	42	44	46	48	50
20	192	211	230	250	269	288	307	326	346	384	403	422	441	461	480
22	211	232	253	275	296	317	338	359	380	422	444	465	485	506	528
24	230	253	276	300	323	346	369	392	415	461	484	507	530	553	576
26	250	275	300	324	349	374	399	424	449	499	524	549	574	599	624
28	269	296	323	349	376	403	430	457	484	538	564	591	618	645	662
30	288	317	346	374	403	432	461	490	518	576	605	634	662	691	720
32	307	338	369	399	430	461	492	522	553	614	645	675	706	737	768
34	326	359	392	424	457	490	522	555	588	653	685	717	750	782	815
36	346	380	415	449	484	518	553	588	622	691	726	760	795	829	864
38	365	401	438	474	511	547	584	620	657	730	766	803	839	876	912
40	384	422	461	499	538	576	614	653	691	768	806	845	883	922	960
42	403	444	484	524	564	605	645	685	726	806	847	887	927	968	1008
44	422	465	507	549	591	634	676	718	760	845	887	929	971	1013	1056
46	442	486	530	574	618	662	707	751	795	883	927	972	1016	1060	1104
48	461	507	553	599	645	691	737	783	829	922	968	1014	1060	1106	1152
50	480	528	576	624	672	720	768	816	864	960	1008	1056	1104	1152	1200

Free Area Chart Utilizes 1/300 ratio. Double the values to obtain 1/150 ratio.