

structures or their components and cladding, in psf (kN/m²).

q_s = Wind stagnation pressure in psf (kN/m²) in accordance with Table 1609.6.2(1).

TABLE 1609.6.2(1) WIND STAGNATION PRESSURE (q_s) AT STANDARD HEIGHT OF 10 METERS (33 FEET)^a

BASIC WIND SPEED (m/s)	38	40	42	45	48	50	52	55	58	60	62	65
PRESSURE, q_s (kN/m ²)	0.89	0.98	1.08	1.24	1.41	1.53	1.66	1.85	2.06	2.21	2.36	2.59

For SI: 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s, 1 pound per square foot = 0.04788 kN/m²).

a. For basic wind speeds not shown, use $q_s = 0.000613 V^2$. Where:

V = basic wind speed (m/s)

q_s = wind stagnation pressure (kN/m²)

TABLE 1609.6.2(2) NET PRESSURE COEFFICIENTS, C_{net} ^{a, b}

STRUCTURE OR PART THEREOF	DESCRIPTION		C_{net} FACTOR			
1. Main wind-force-resisting frames and systems			Enclosed		Partially enclosed	
			+ Internal pressure	- Internal pressure	+ Internal pressure	- Internal pressure
	Walls:					
	Windward wall		0.43	0.73	0.11	1.05
	Leeward wall		-0.51	-0.21	-0.83	0.11
	Sidewall		-0.66	-0.35	-0.97	-0.04
	Parapet wall	Windward	1.28		1.28	
		Leeward	-0.85		-0.85	
	Roofs:		Enclosed		Partially enclosed	
	Wind perpendicular to ridge		+ Internal pressure	- Internal pressure	+ Internal pressure	- Internal pressure
	Leeward roof or flat roof		-0.66	-0.35	-0.97	-0.04
	Windward roof slopes					
	Slope = 2:12 (10°)	Condition 1	-1.09	-0.79	-1.41	-0.47
		Condition 2	-0.28	0.02	-0.60	0.34
	Slope = 4:12 (18°)	Condition 1	-0.73	-0.42	-1.04	-0.11
		Condition 2	-0.05	0.25	-0.37	0.57
	Slope = 5:12 (23°)	Condition 1	-0.58	-0.28	-0.90	0.04
		Condition 2	0.03	0.34	-0.29	0.65
	Slope = 6:12 (27°)	Condition 1	-0.47	-0.16	-0.78	0.15
		Condition 2	0.06	0.37	-0.25	0.68
	Slope = 7:12 (30°)	Condition 1	-0.37	-0.06	-0.68	0.25
		Condition 2	0.07	0.37	-0.25	0.69
	Slope = 9:12 (37°)	Condition 1	-0.27	0.04	-0.58	0.35