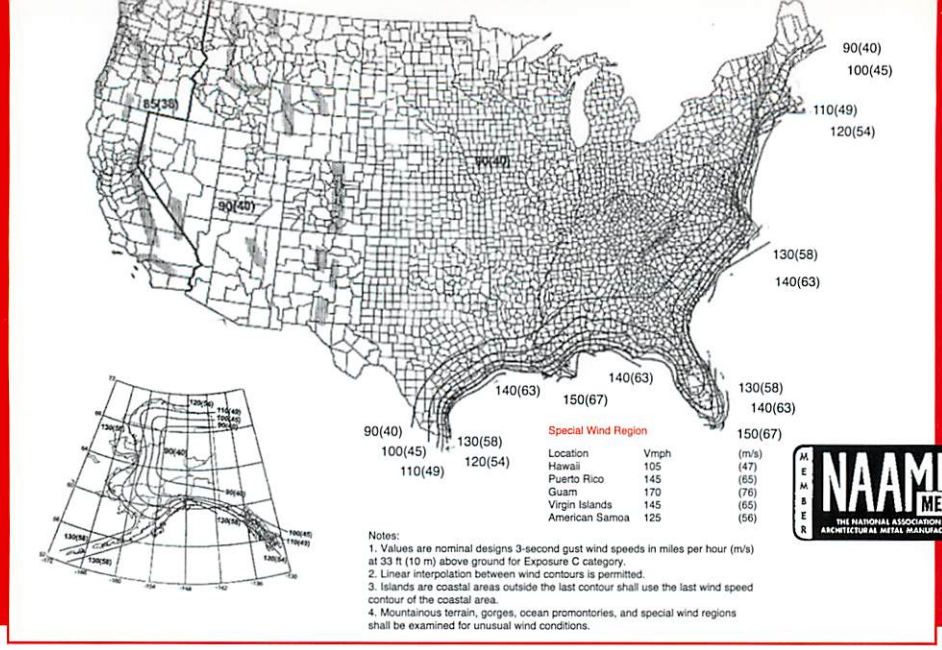
WIND SPEED CHART
for FLAGPOLE and FLAG APPLICATION



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Major factors to consider when specifying the correct flagpole include: the wind zone area, flagpole height, base diameter, wall thickness and flag size.

This map, revised in 2007 by the National Association of Architectural Metal Manufacturers (NAAMM) in compliance with changes in the American National Standard (ANSI) commercial building codes (ANSI/NAAMM FP 1001-97), shows the maximum steady wind expected within a 50-year period of recurrence, at an elevation of 30 feet above ground level.

This page lists the standard flagpole models which are sorted by exposed shaft height sequence with the maximum unflagged wind speed shown for each height/base diameter/wall thickness configuration. Also shown is the recommended flag size for each height.

These calculations are for ground mounted flagpoles only. Contact **Concord Customer Service** for shoebase mounting and other mounting applications.

CAUTION: Flag size recommendations do not constitute a warranty that flags of the size shown may be safely flown in all wind speeds. Flying oversized flags may result in personal injury, property damage or damage to the flagpole. Extreme caution should be exercised when installing flagpoles near overhead power lines or in the vicinity of underground cable or utility pipes.

*** Part numbers for Sovereignty and Sentry II flagpoles are different than the part numbers for the Independence and Sentry flagpoles, see the price list for specifics.**

EXPOSED HEIGHT feet	SHAFT DIAMETER inches		WALL THICKNESS inches	UNFLAGGED WINDSPEED	MAXIMUM FLAG SIZE	FLAGGED WINDSPEED	CONTINENTAL External Halyard	ESTATE External Halyard	INDEPENDENCE SOVEREIGNTY Cable Based Internal Halyard	SENTRY SENTRY II Rope Based Internal Halyard
15	3	2	.125	170	3 x 5	120		E15030125		
20	3	2	.125	123	5 x 8	85		E20030125		
20	4	2	.125	147	5 x 8	100	C20040125	E20040125		
20	5	3	.125	230	5 x 8	120+	C20050125	E20050125		S20050125
20	5	3	.156	280	5 x 8	120+	C20050156	E20050156	I20050156*	S20050156
20	5	3	.188	288	5 x 8	120+	C20050188	E20050188	I20050188*	S20050188
20	6	3.5	.156	327	5 x 8	120+	C20060156		I20060156*	S20060156*
20	6	3.5	.188	356	5 x 8	120+	C20060188		I20060188*	S20060188*
25	3	2	.125	94	5 x 8	50		E25030125		
25	4	2	.125	120	5 x 8	85	C25040125	E25040125		
25	5	3	.125	136	5 x 8	95	C25050125	E25050125		S25050125
25	5	3	.156	175	5 x 8	110	C25050156	E25050156	I25050156*	S25050156*
25	5.5	3.5	.188	237	5 x 8	120+	C25055188			
25	6	3.5	.156	233	5 x 8	120+	C25060156		I25060156*	S25060156*
25	6	3.5	.188	255	5 x 8	120+	C25060188		I25060188*	S25060188*
30	4	2	.125	97	6 x 10	50		E30040125		
30	5	3	.125	100	6 x 10	85	C30050125	E30050125		
30	5	3	.156	114	6 x 10	85	C30050156	E30050156	I30050156*	S30050156
30	6	3.5	.156	175	6 x 10	105	C30060156		I30060156*	S30060156*
30	6	3.5	.188	200	6 x 10	120	C30060188		I30060188*	S30060188*
35	5	3	.125	90	6 x 10	75		E35050125		
35	5	3	.156	91	6 x 10	80	C35050156	E35050156	I35050156*	S35050156
35	6	3.5	.156	116	6 x 10	85	C35060156		I35060156*	S35060156*
35	7	3.5	.156	166	6 x 10	110	C35070156		I35070156*	S35070156*
35	7	3.5	.188	189	6 x 10	120	C35070188		I35070188*	S35070188*
40	7	3.5	.156	122	8 x 12	85	C40070156		I40070156*	S40070156*
40	8	3.5	.156	172	8 x 12	105	C40080156		I40080156	S40080156*
40	8	3.5	.188	178	8 x 12	120	C40080188		I40080188	S40080188*
45	8	3.5	.188	149	8 x 12	100	C45080188		I45080188	
50	8	3.5	.188	115	10 x 15	85	C50080188		I50080188	
50	10	4	.188	185	10 x 15	115	C50100188		I50100188	
60	10	4	.188	121	12 x 18	85	C60100188		I60100188	
60	10	4	.250	150	12 x 18	105	C60100250		I60100250	
60	12	4.4	.250	179	12 x 18	120	C60120250		I60120250	
70	10	4	.312	135	15 x 25	90	C70100312		I70100312	
70	12	3.6	.250	153	15 x 25	105	C70120250		I70120250	
80	12	4	.375	158	20 x 30	105	C80120375		I80120375	