



ASCE 7-10 Exposure B Span and Cantilever Chart in Inches for flush mount of P4 rail with 66" Maximum Module Length and building height ≤30

Snow Load, Pg (psf)	Windspeed (mph)												Roof Pitch	
	105	110	115	120	130	140	150	160	165	170	180	200		
0	71	69	66	64	60	56	52	49	48	47	44	40	0 ≤ 7°	
10	60	59	58	57	54	52	48	47	46	44	42	39		
15	55	54	53	52	50	48	47	45	44	43	42	39		
20	50	50	49	48	47	45	44	42	42	41	40	37		
25	47	46	46	45	44	43	41	40	40	39	38	36		
30	44	44	43	43	41	40	39	38	38	37	36	35		
40	38	38	38	38	38	37	36	35	35	35	34	32		
50	35	35	35	35	35	34	34	33	33	32	32	30		
60	32	32	32	32	32	32	31	31	31	30	30	29		
0	74	72	69	67	62	58	55	52	50	49	47	42		7° < 0 ≤ 27°
10	62	60	59	58	56	54	52	50	49	48	46	42		
15	56	55	54	53	51	49	48	46	45	45	43	40		
20	51	50	50	49	48	46	45	44	43	42	41	39		
25	47	47	46	46	45	43	42	41	41	40	39	37		
30	44	44	44	43	42	41	40	39	39	38	37	36		
40	38	38	38	38	38	37	37	36	36	35	35	33		
50	35	35	35	35	35	34	34	33	33	33	32	31		
60	32	32	32	32	32	32	31	31	31	31	30	29		
0	71	69	66	64	60	56	52	49	48	47	44	40	27° < 0 ≤ 45°	
10	60	59	58	57	54	52	48	47	46	44	42	39		
15	55	54	53	52	50	48	47	45	44	43	42	39		
20	50	50	49	48	47	45	44	42	42	41	40	37		
25	47	46	46	45	44	43	41	40	40	39	38	36		
30	44	44	43	43	41	40	39	38	38	37	36	35		
40	38	38	38	38	38	37	36	35	35	35	34	32		
50	35	35	35	35	35	34	34	33	33	32	32	30		
60	32	32	32	32	32	32	31	31	31	30	30	29		

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.

ASCE 7-10 Exposure B Span and Cantilever Chart in Inches for flush mount of P4 rail with 77" Maximum Module Length and building height ≤30

Snow Load, Pg (psf)	Windspeed (mph)												Roof Pitch	
	105	110	115	120	130	140	150	160	165	170	180	200		
0	66	64	61	59	55	52	49	46	44	43	41	37	0 ≤ 7°	
10	58	56	55	54	51	49	47	45	44	43	41	37		
15	53	52	51	50	48	46	44	43	42	41	40	37		
20	49	48	47	46	45	43	42	40	40	39	38	35		
25	44	44	44	44	42	41	40	39	38	37	36	34		
30	41	41	41	41	40	39	38	37	36	36	35	33		
40	36	36	36	36	36	36	35	34	34	33	33	31		
50	32	32	32	32	32	32	32	32	32	31	31	29		
60	29	29	29	29	29	29	29	29	29	29	29	28		
0	69	66	64	62	58	54	51	48	47	45	43	39		7° < 0 ≤ 27°
10	59	58	56	55	53	51	49	47	46	45	43	39		
15	54	53	52	51	49	47	46	44	43	42	41	38		
20	49	49	48	47	46	44	43	42	41	40	39	37		
25	44	44	44	44	43	42	41	40	39	38	37	35		
30	41	41	41	41	41	40	39	38	37	37	36	34		
40	36	36	36	36	36	36	36	35	35	34	33	32		
50	32	32	32	32	32	32	32	32	32	32	31	30		
60	29	29	29	29	29	29	29	29	29	29	29	28		
0	66	64	61	59	55	52	49	46	44	43	41	37	27° < 0 ≤ 45°	
10	58	56	55	54	51	49	47	45	44	43	41	37		
15	53	52	51	50	48	46	44	43	42	41	40	37		
20	49	48	47	46	45	43	42	40	40	39	38	35		
25	44	44	44	44	42	41	40	39	38	37	36	34		
30	41	41	41	41	40	39	38	37	36	36	35	33		
40	36	36	36	36	36	36	35	34	34	33	33	31		
50	32	32	32	32	32	32	32	32	32	31	31	29		
60	29	29	29	29	29	29	29	29	29	29	29	28		

Assumptions: Tabulated values only apply to rail stress, the connecting support is not considered. These values are only for Gable Roofs with a mean height below or equal to 30 feet. For roof heights over this limit or conditions not specified please contact PLP for consultation.