



ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of P8 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	125	120	115	111	103	97	91	85	83	81	76	69	0 ≤ 7°
10	112	109	106	104	99	94	90	85	83	81	76	69	
15	103	101	99	97	93	89	85	82	80	79	76	69	
20	96	94	92	91	87	84	81	78	77	75	73	68	
25	90	88	87	85	83	80	77	75	73	72	70	65	
30	85	84	82	81	79	76	74	72	71	70	67	63	
40	77	76	75	74	72	71	69	67	66	65	63	60	
50	70	70	70	69	67	66	64	63	62	61	60	57	
60	64	64	64	64	63	62	61	59	59	58	57	54	
0	130	125	121	116	108	101	95	90	87	85	80	73	7° < 0 ≤ 27°
10	115	112	110	107	102	98	93	89	87	85	80	73	
15	105	103	101	99	95	91	88	85	83	81	78	73	
20	97	96	94	93	89	86	83	80	79	78	75	70	
25	91	90	89	87	85	82	79	77	76	74	72	68	
30	86	85	84	83	80	78	76	74	73	72	69	65	
40	78	77	76	75	74	72	70	68	68	67	65	62	
50	70	70	70	70	68	67	66	64	63	63	61	58	
60	64	64	64	64	63	62	61	60	60	59	58	56	
0	125	120	115	111	103	97	91	85	83	81	76	69	27° < 0 ≤ 45°
10	112	109	106	104	99	94	90	85	83	81	76	69	
15	103	101	99	97	93	89	85	82	80	79	76	69	
20	96	94	92	91	87	84	81	78	77	75	73	68	
25	90	88	87	85	83	80	77	75	73	72	70	65	
30	85	84	82	81	79	76	74	72	71	70	67	63	
40	77	76	75	74	72	71	69	67	66	65	63	60	
50	70	70	70	69	67	66	64	63	62	61	60	57	
60	64	64	64	64	63	62	61	59	59	58	57	54	

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 C Span and Cantilever Chart in Inches for flush mount of P8 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	115	111	107	103	96	89	84	79	77	75	71	64	0 ≤ 7°
10	104	101	99	96	92	87	83	79	77	75	71	64	
15	95	93	91	89	86	82	79	76	74	73	70	64	
20	89	87	85	84	81	78	75	72	71	70	67	63	
25	83	82	80	79	77	74	72	69	68	67	65	61	
30	79	77	76	75	73	71	69	66	65	64	62	59	
40	71	70	70	69	67	65	64	62	61	60	59	55	
50	65	65	64	64	62	61	60	58	57	57	55	53	
60	59	59	59	59	59	57	56	55	54	54	53	50	
0	121	116	112	108	100	94	88	83	81	78	74	67	7° < 0 ≤ 27°
10	106	104	101	99	95	90	86	83	81	78	74	67	
15	97	95	94	92	88	85	81	78	77	75	72	67	
20	90	89	87	86	83	80	77	74	73	72	69	65	
25	85	83	82	81	78	76	73	71	70	69	67	63	
30	80	79	78	77	74	72	70	68	67	66	64	61	
40	72	71	71	70	68	67	65	63	62	62	60	57	
50	65	65	65	65	63	62	61	59	59	58	57	54	
60	59	59	59	59	59	57	56	55	54	54	53	50	
0	115	111	107	103	96	89	84	79	77	75	71	64	27° < 0 ≤ 45°
10	104	101	99	96	92	87	83	79	77	75	71	64	
15	95	93	91	89	86	82	79	76	74	73	70	64	
20	89	87	85	84	81	78	75	72	71	70	67	63	
25	83	82	80	79	77	74	72	69	68	67	65	61	
30	79	77	76	75	73	71	69	66	65	64	62	59	
40	71	70	70	69	67	65	64	62	61	60	59	55	
50	65	65	64	64	62	61	60	58	57	57	55	53	
60	59	59	59	59	59	57	56	55	54	54	53	50	

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.