



ASCE 7-10 Exposure B Span and Cantilever Chart in Inches for flush mount of UD 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	202	194	187	181	169	158	149	140	136	133	126	114	114	47	0 ≤ 7°
10	171	167	164	160	154	147	142	136	133	131	126	119	114	47	
15	155	152	150	147	142	137	132	127	125	123	119	114	111	46	
20	143	141	138	136	132	128	124	120	119	117	113	108	106	45	
25	133	131	130	128	124	121	118	114	113	111	108	104	102	43	
30	125	124	122	121	118	115	112	109	108	106	104	101	98	42	
40	109	109	109	109	107	105	103	101	100	98	96	92	87	41	
50	98	98	98	98	98	97	96	94	93	92	90	87	85	39	
60	90	90	90	90	90	90	90	88	88	87	85	83	82	38	
0	211	203	196	189	177	166	156	147	143	139	132	120	120	48	7° < 0 ≤ 27°
10	174	171	168	164	158	152	146	141	138	135	130	123	115	48	
15	158	155	153	150	145	140	136	131	129	127	123	117	111	47	
20	145	143	141	139	135	131	127	124	122	120	116	111	106	46	
25	135	133	132	130	127	124	120	117	116	114	111	106	101	44	
30	125	125	124	123	120	117	114	112	110	109	106	101	98	43	
40	109	109	109	109	107	105	102	100	101	100	98	94	91	41	
50	98	98	98	98	98	97	96	94	94	93	92	89	87	39	
60	90	90	90	90	90	90	90	89	89	88	87	84	84	38	
0	202	194	187	181	169	158	149	140	136	133	126	114	114	47	27° < 0 ≤ 45°
10	171	167	164	160	154	147	142	136	133	131	126	119	114	47	
15	155	152	150	147	142	137	132	127	125	123	119	114	111	46	
20	143	141	138	136	132	128	124	120	119	117	113	108	106	45	
25	133	131	130	128	124	121	118	114	113	111	108	104	102	43	
30	125	124	122	121	118	115	112	109	108	106	104	101	98	42	
40	109	109	109	109	107	105	103	101	100	98	96	92	87	41	
50	98	98	98	98	98	97	96	94	93	92	90	87	85	39	
60	90	90	90	90	90	90	90	88	87	87	85	83	82	38	

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 UD 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	187	180	173	167	156	146	138	130	126	123	117	106	106	44	0 ≤ 7°
10	163	159	156	153	146	140	134	128	126	123	117	111	106	44	
15	149	146	144	141	136	131	126	121	119	117	113	108	105	44	
20	138	136	134	132	127	123	119	115	113	111	108	104	101	43	
25	126	126	126	124	120	117	113	110	108	106	103	99	97	42	
30	116	116	116	116	114	111	108	105	104	102	99	94	91	41	
40	101	101	101	101	101	101	100	97	96	95	93	88	84	39	
50	91	91	91	91	91	91	91	91	90	89	87	84	81	38	
60	83	83	83	83	83	83	83	83	83	83	83	80	80	37	
0	195	188	181	175	163	153	144	136	132	129	122	111	111	46	7° < 0 ≤ 27°
10	167	164	160	157	150	144	138	133	130	128	122	115	111	46	
15	152	149	147	144	139	134	130	125	123	121	116	111	109	45	
20	139	138	136	134	130	126	122	118	116	115	111	106	104	44	
25	126	126	126	126	123	119	116	113	111	109	106	103	100	43	
30	116	116	116	116	116	113	111	108	106	105	102	97	94	42	
40	101	101	101	101	101	101	101	99	98	97	95	91	88	41	
50	91	91	91	91	91	91	91	91	91	91	89	86	84	39	
60	83	83	83	83	83	83	83	83	83	83	83	81	81	37	
0	187	180	173	167	156	146	138	130	126	123	117	106	106	44	27° < 0 ≤ 45°
10	163	159	156	153	146	140	134	128	126	123	117	111	106	44	
15	149	146	144	141	136	131	126	121	119	117	113	108	105	44	
20	138	136	134	132	127	123	119	115	113	111	108	104	101	43	
25	126	126	126	124	120	117	113	110	108	106	103	99	97	42	
30	116	116	116	116	114	111	108	105	104	102	99	94	91	41	
40	101	101	101	101	101	101	100	97	96	95	93	88	84	39	
50	91	91	91	91	91	91	91	91	90	89	87	84	81	38	
60	83	83	83	83	83	83	83	83	83	83	83	80	80	37	

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.