



ASCE 7-10 Exposure C Span and Cantilever Chart in Inches for flush mount of MD 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	260	250	241	232	216	202	189	178	173	168	160	144	0 ≤ 7°	
10	234	228	222	217	207	197	188	188	178	168	160	144		
15	215	210	206	202	193	186	178	171	168	164	158	144		
20	200	196	193	189	182	176	169	163	160	157	152	141		
25	188	185	182	179	173	167	162	156	154	151	146	137		
30	177	175	172	170	165	160	155	150	148	146	141	133		
40	161	159	157	155	152	148	144	140	138	136	133	125		
50	146	146	146	144	141	138	135	132	130	128	125	119		
60	134	134	134	134	132	130	127	124	123	122	119	114		
0	272	262	252	243	226	212	199	187	182	177	168	152		7° < 0 ≤ 27°
10	240	234	229	224	214	204	195	187	182	177	168	152		
15	220	215	211	207	199	191	184	177	173	170	164	152		
20	204	200	197	194	187	180	174	168	165	162	157	147		
25	191	188	185	182	177	171	166	161	158	156	151	142		
30	180	178	175	173	168	163	159	154	152	150	145	137		
40	162	161	160	158	154	150	147	143	141	139	136	129		
50	146	146	146	146	143	140	137	134	133	131	128	122		
60	134	134	134	134	134	132	129	127	125	124	122	117		
0	260	250	241	232	216	202	189	178	173	168	160	144	27° < 0 ≤ 45°	
10	234	228	222	217	207	197	188	188	178	168	160	144		
15	215	210	206	202	193	186	178	171	168	164	158	144		
20	200	196	193	189	182	176	169	163	160	157	152	141		
25	188	185	182	179	173	167	162	156	154	151	146	137		
30	177	175	172	170	165	160	155	150	148	146	141	133		
40	161	159	157	155	152	148	144	140	138	136	133	125		
50	146	146	146	144	141	138	135	132	130	128	125	119		
60	134	134	134	134	132	130	127	124	123	122	119	114		

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 MD 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	241	232	223	215	200	187	175	165	160	156	148	134	0 ≤ 7°	
10	216	211	206	201	192	183	174	165	160	156	148	134		
15	199	195	191	187	179	172	165	158	155	152	146	134		
20	185	182	178	175	169	163	157	151	148	146	140	131		
25	174	171	168	165	160	155	150	145	142	140	135	127		
30	164	162	160	157	153	148	143	139	137	135	131	123		
40	149	147	146	144	140	137	133	130	128	126	123	116		
50	135	135	135	133	131	128	125	122	120	119	116	110		
60	124	124	124	124	123	120	118	115	114	113	110	105		
0	252	242	233	225	209	196	184	173	168	164	155	140		7° < 0 ≤ 27°
10	222	217	212	207	198	189	181	173	168	164	155	140		
15	203	199	196	192	184	177	170	164	160	157	152	140		
20	189	185	182	179	173	167	161	156	153	150	145	136		
25	177	174	171	169	164	159	154	149	146	144	140	131		
30	167	165	162	160	156	151	147	143	141	138	134	127		
40	150	149	148	146	143	139	136	132	131	129	126	119		
50	135	135	135	135	132	130	127	124	123	121	119	113		
60	124	124	124	124	124	122	120	117	116	115	113	108		
0	241	232	223	215	200	187	175	165	160	156	148	134	27° < 0 ≤ 45°	
10	216	211	206	201	192	183	174	165	160	156	148	134		
15	199	195	191	187	179	172	165	158	155	152	146	134		
20	185	182	178	175	169	163	157	151	148	146	140	131		
25	174	171	168	165	160	155	150	145	142	140	135	127		
30	164	162	160	157	153	148	143	139	137	135	131	123		
40	149	147	146	144	140	137	133	130	128	126	123	116		
50	135	135	135	133	131	128	125	122	120	119	116	110		
60	124	124	124	124	123	120	118	115	114	113	110	105		

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.