
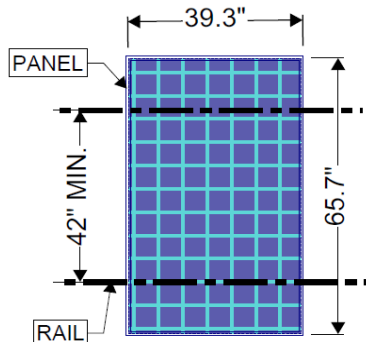


TABLE 1 ASCE 7-10 RDG Engineering, Inc. C.A. NO. 32850	LOAD SPAN TABLES FOR PCM PV	 6203 80 AVE N. PINELLAS PARK, FL 33781 727-547-6277
	RAILS- MICRO RAIL	

MEAN ROOF HEIGHT: 0 FT - 15 FT PANEL ORIENTATION: PORTRAIT
 ROOF SLOPE: 0 - 7° RISK CATEGORY: II
 EXPOSURE: C OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS, INCLUDING SURFACE UNDULATIONS OR OTHER IRREGULARITIES (REFER TO COMPLETE DESCRIPTION IN ASCE 7-10)

		RAIL SPAN (INCHES)						
		WIND SPEED (MPH) [ALLOW (ULT)]						
PRESSURE ZONE	GROUND SNOW LOAD (PSF)	80 (103)	90 (116)	100 (129)	110 (142)	120 (154)	130 (167)	140 (180)
		1	0	54	53	49	46	43
10	45		45	43	41	40	39	37
20	41		41	40	39	37	35	34
30	39		38	37	36	34	33	32
40	36		35	34	33	32	31	30
50	33		33	32	31	30	29	28
60	31		31	30	29	29	28	27
70	29		29	29	28	27	27	26
80	28		28	27	27	26	25	25
90	27		26	26	26	25	25	24
100	26	25	25	25	24	24	23	
2	0	49	45	42	39	36	33	31
	10	43	41	39	37	35	33	31
	20	40	38	36	34	32	31	29
	30	37	35	34	32	31	29	28
	40	34	33	31	30	29	28	27
	50	32	31	30	29	28	26	25
	60	30	29	28	27	26	25	24
	70	29	28	27	26	25	24	24
	80	27	26	26	25	24	24	23
	90	26	25	25	24	23	23	22
100	25	24	24	23	23	22	21	

ASSUMED PANEL SIZE:



NOTES:

1. Loads are calculated per ASCE 7-10 and ASD load combinations. (Ultimate wind pressures are factored by 0.6.)
2. Snow loads are based on unobstructed slippery surfaces and are calculated using $C_e = 1.0$, $I_s = 1.0$, $C_t = 1.2$.
3. Rails are aluminum 6063-T6. Rail capacities are calculated per the Aluminum Design Manual 2015.
4. Allowable rail deflections are based on $L/120$.
5. Splices shall not be used on cantilevered portions of rail.