Bar Size	Symbol / Apprx. Wgt*** Lbs/Sq. Ft.		Ped. Span	Sec. Mod. Per Ft. Of Width		Clear Span 2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"
3/4" x 1/8"	8W4 8.3# 8W2 8.8#	8P4 8.7# 8P2 9.6#	51"	.281	U	844	540	375	276	211	167	135	U=Safe uniform load, lb/sq ft C=Safe concentrated load, lb/ft of grating width, at mid-span D=Deflection in inches					
					D	.099	.155	.223	.304	.397	.503	.621						
					C	844	675	563	482	422	375	338						
					D	.079	.124	.179	.243	.318	.402	.497						
3/4" x 3/16"	8W4 12.2# 8W2 12.8#	8P4 13.0# 8P2 14.4#	57"	.422	U	1266	810	563	413	316	250	203	167	Data is theoretical and based on 18,000 psi. Install Cross Rods on Top.				
					D	.099	.155	.223	.304	.397	.503	.621	.751					
					C	1266	1013	844	723	633	563	506	460					
					D	.079	.124	.179	.243	.318	.402	.497	.601					
1" x 1/8"	8W4 10.9# 8W2 11.4#	8P4 11.3# 8P2 12.2#	64"	.500	U	1500	960	667	490	375	296	240	198	167				
					D	.074	.116	.168	.228	.298	.377	.466	.563	.670				
					C	1500	1200	1000	857	750	667	600	545	500				
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536				
1" x 3/16"	8W4 16.0# 8W2 16.7#	8P4 16.9# 8P2 18.3#	71"	.750	U	2250	1440	1000	735	563	444	360	298	250	213			
					D	.074	.116	.168	.228	.298	.377	.466	.563	.670	.787			
					C	2250	1800	1500	1286	1125	1000	900	818	750	692			
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629			
1-1/4" x 1/8"	8W4 13.4# 8W2 14.0#	8P4 14.2# 8P2 15.4#	75"	.781	U	2344	1500	1042	765	586	463	375	310	260	222	191		
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730		
					C	2344	1875	1563	1339	1172	1042	938	852	781	721	670		
					D	.048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584		
1-1/4" x 3/16"	8W4 19.9# 8W2 20.5#	8P4 21.2# 8P2 23.1#	84"	1.172	U	3516	2250	1563	1148	879	694	563	465	391	333	287	220	174
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730	.953	1.207
					C	3516	2813	2344	2009	1758	1563	1406	1278	1172	1082	1004	879	781
					D	.048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584	.763	.965
1-1/2" x 1/8"	8W4 16.0# 8W2 16.6#	8P4 16.7# 8P2 18.0#	87"	1.125	U	3375	2160	1500	1102	844	667	540	446	375	320	276	211	167
					D	.050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
					C	3375	2700	2250	1929	1688	1500	1350	1227	1125	1038	964	844	750
					D	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-1/2" x 3/16"	8W4 23.8# 8W2 24.4#	8P4 25.1# 8P2 27.0#	96"	1.688	U	5063	3240	2250	1653	1266	1000	810	669	563	479	413	316	250
					D	.050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
					C	5063	4050	3375	2893	2531	2250	2025	1841	1688	1558	1446	1266	1125
					D	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-3/4" x 3/16"	8W4 27.6# 8W2 28.2#	8P4 28.9# 8P2 30.8#	108"	2.297	U	6891	4410	3063	2250	1723	1361	1103	911	766	652	563	431	340
					D	.043	.067	.096	.130	.170	.215	.266	.322	.383	.450	.521	.681	.862
					C	6891	5513	4594	3938	3445	3063	2756	2506	2297	2120	1969	1723	1531
					D	.034	.053	.077	.104	.136	.172	.213	.257	.306	.360	.417	.545	.689
2" x 3/16"	8W4 31.5# 8W2 32.1#	8P4 32.8# 8P2 34.7#	119"	3.000	U	9000	5760	4000	2939	2250	1778	1440	1190	1000	852	735	563	444
					D	.037	.058	.084	.114	.149	.189	.233	.282	.335	.393	.456	.596	.754
					C	9000	7200	6000	5143	4500	4000	3600	3273	3000	2769	2571	2250	2000
					D	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603
2-1/4" x 3/16"	8W4 35.3# 8W2 35.9#	8P4 36.6# 8P2 38.5#	130"	3.797	U	11391	7290	5063	3719	2848	2250	1823	1506	1266	1078	930	712	563
					D	.033	.052	.074	.101	.132	.168	.207	.250	.298	.350	.406	.530	.670
					C	11391	9113	7594	6509	5695	5063	4556	4142	3797	3505	3254	2848	2531
					D	.026	.041	.060	.081	.106	.134	.166	.200	.238	.280	.324	.424	.536
2-1/2" x 3/16"	8W4 39.2# 8W2 39.8#	8P4 40.5# 8P2 42.4#	141"	4.688	U	14063	9000	6250	4592	3516	2778	2250	1860	1563	1331	1148	879	694
					D	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603
					C	14063	11250	9375	8036	7031	6250	5625	5114	4688	4327	4018	3516	3125
					D	.024	.037	.054	.073	.095	.121	.149	.180	.215	.252	.292	.381	.483

% Open Area[1]		
Bars	1/8"	3/16"
4"cc	68%	56%
2"cc	62%	50%

[1]Open Area % for reference only - *%'s will vary with material & mfg. process.*

***Note: Weight depends on panel width, cross bar selection, mill tolerance and manufacturing tolerance.