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"	7P4 9.8# 7P2 10.7#	7S4 9.4# 7S2 10.0#	53"	.321	U	964	617	429	315	241	190	154						
					D	.099	.155	.223	.304	.397	.503	.621						
					C	964	771	643	551	482	429	386						
					D	.079	.124	.179	.243	.318	.402	.497						
3/4" x 3/16"	7P4 14.6# 7P2 16.1#	7S4 13.9# 7S2 14.5#	59"	.482	U	1446	926	643	472	362	286	231	191					
					D	.099	.155	.223	.304	.397	.503	.621	.751					
					C	1446	1157	964	827	723	643	579	526					
					D	.079	.124	.179	.243	.318	.402	.497	.601					
1" x 1/8"	7P4 12.7# 7P2 13.7#	7S4 12.1# 7S2 12.7#	66"	.571	U	1714	1097	762	560	429	339	274	227	190	162			
					D	.074	.116	.168	.228	.298	.377	.466	.563	.670	.787			
					C	1714	1371	1143	980	857	762	686	623	571	527			
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629			
1" x 3/16"	7P4 19.0# 7P2 20.5#	7S4 18.1# 7S2 18.7#	73"	.857	U	2571	1646	1143	840	643	508	411	340	286	243	210		
					D	.074	.116	.168	.228	.298	.377	.466	.563	.670	.787	.912		
					C	2571	2057	1714	1469	1286	1143	1029	935	857	791	735		
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730		
1-1/4" x 1/8"	7P4 16.0# 7P2 17.2#	7S4 15.3# 7S2 15.9#	78"	.893	U	2679	1714	1190	875	670	529	429	354	298	254	219	167	
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730	.953	
					C	2679	2143	1786	1531	1339	1190	1071	974	893	824	765	670	
					D	.048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584	.763	
1-1/4" x 3/16"	7P4 23.9# 7P2 25.8#	7S4 22.8# 7S2 23.4#	86"	1.339	U	4018	2571	1786	1312	1004	794	643	531	446	380	328	251	198
					D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730	.953	1.207
					C	4018	3214	2679	2296	2009	1786	1607	1461	1339	1236	1148	1004	893
					D	.048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584	.763	.965
1-1/2" x 1/8"	7P4 18.9# 7P2 20.2#	7S4 18.1# 7S2 18.7#	90"	1.286	U	3857	2469	1714	1259	964	762	617	510	429	365	315	241	190
					D	.050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
					C	3857	3086	2571	2204	1929	1714	1543	1403	1286	1187	1102	964	857
					D	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-1/2" x 3/16"	7P4 28.3# 7P2 30.2#	7S4 27.0# 7S2 27.6#	99"	1.929	U	5786	3703	2571	1889	1446	1143	926	765	643	548	472	362	286
					D	.050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
					C	5786	4629	3857	3306	2893	2571	2314	2104	1929	1780	1653	1446	1286
					D	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-3/4" x 3/16"	7P4 32.7# 7P2 34.6#	7S4 31.2# 7S2 31.8#	111"	2.625	U	7875	5040	3500	2571	1969	1556	1260	1041	875	746	643	492	389
					D	.043	.067	.096	.130	.170	.215	.266	.322	.383	.450	.521	.681	.862
					C	7875	6300	5250	4500	3938	3500	3150	2864	2625	2423	2250	1969	1750
					D	.034	.053	.077	.104	.136	.172	.213	.257	.306	.360	.417	.545	.689
2" x 3/16"	7P4 37.1# 7P2 39.0#	7S4 35.4# 7S2 36.0#	123"	3.429	U	10286	6583	4571	3359	2571	2032	1646	1360	1143	974	840	643	508
					D	.037	.058	.084	.114	.149	.189	.233	.282	.335	.393	.456	.596	.754
					C	10286	8229	6857	5878	5143	4571	4114	3740	3429	3165	2939	2571	2286
					D	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603
2-1/4" x 3/16"	7P4 41.5# 7P2 43.4#	7S4 39.6# 7S2 40.2#	135"	4.339	U	13018	8331	5786	4251	3254	2571	2083	1721	1446	1232	1063	814	643
					D	.033	.052	.074	.101	.132	.168	.207	.250	.298	.350	.406	.530	.670
					C	13018	10414	8679	7439	6509	5786	5207	4734	4339	4005	3719	3254	2893
					D	.026	.041	.060	.081	.106	.134	.166	.200	.238	.280	.324	.424	.536
2-1/2" x 3/16"	7P4 45.9# 7P2 47.8#	7S4 43.8# 7S2 44.4#	146"	5.357	U	16071	10286	7143	5248	4018	3175	2571	2125	1786	1522	1312	1004	794
					D	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603
					C	16071	12857	10714	9184	8036	7143	6429	5844	5357	4945	4592	4018	3571
					D	.024	.037	.054	.073	.095	.121	.149	.180	.215	.252	.292	.381	.483

U=Safe uniform load, lb/sq ft
C=Safe concentrated load, lb/ft of grating width, at mid-span
D=Deflection in inches

Data is theoretical and based on 18,000 psi.
Install Cross Rods on Top.

% Open Area[1]		
Bars	1/8"	3/16"
4"cc	69%	56%
2"cc	66%	53%

[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.