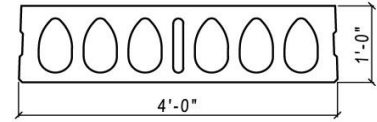




Standard Load Table

12" Thick

1.0" Strand Cover



No Structural Topping Dead Load Weight of Slab = 86 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 4 hours				
Section Properties					
A = 355 in ²	Yt = 5.72 in	b = 15.6 in			
I = 5784 in ⁴	Yb = 6.28 in	wt = 86 psf			
ϕM_n ft-k/ft	36.07	47.45	58.42	66.81	81.57
Series	1.0D-12706	1.0D-12708	1.0D-12710	1.0D-12808	1.0D-12810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
18	492				
19	435				
20	386	490			
21	345	453	489		
22	308	414	450	475	
23	276	384	417	441	
24	249	347	390	406	
25	224	315	360	381	
26	202	287	340	354	390
27	183	261	315	333	366
28	166	238	299	310	340
29	150	218	279	294	321
30	136	199	260	275	299
31	123	182	240	263	284
32	112	167	221	246	266
33	101	153	204	233	254
34	92	141	188	223	239
35	83	129	174	208	225
36		119	161	193	217
37		109	149	180	205
38		100	138	167	194
39		92	128	155	187
40		84	118	144	175
41			109	134	163
42			101	125	152
43			94	116	142
44			86	108	132
45				101	124
46				93	115
47				87	108
48					100
49					94
50					87
51					81

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 111 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 4 hours				
Section Properties					
A = 440 in ²	Yt = 6.42 in	b = 15.6 in			
I = 8904 in ⁴	Yb = 7.58 in	wt = 111 psf			
ϕM_n ft-k/ft	42.32	55.47	68.04	77.86	94.94
Series	1.0D-12706T	1.0D-12708T	1.0D-12710T	1.0D-12808T	1.0D-12810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
20	446	492			
21	397	465	472		
22	354	440	440	457	
23	317	417	417	423	
24	284	396	396	395	
25	255	361	377	376	
26	230	327	359	358	371
27	207	297	343	342	347
28	187	271	328	327	327
29	168	247	313	312	312
30	152	225	295	299	299
31	137	205	271	287	287
32		188	249	275	275
33		171	229	264	264
34		157	211	254	254
35		143	195	235	245
36			179	217	236
37			165	201	227
38			152	186	219
39			141	173	210
40				159	194
41				145	179
42				133	165
43					152
44					140
45					129
46					118
47					108

Concrete Strength: 6,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax

Camber 1"-1 1/2"
 Camber > 1 1/2"

Issued: 11/1/2021
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