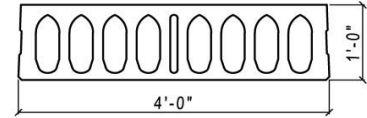




# Ultralight Load Table 12" Thick 1.0" Strand Cover



No Structural Topping Dead Load Weight of Slab = 80 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 4 hours				
Section Properties					
A=330 in <sup>2</sup>	Yt=5.72 in	b=16.6 in			
I=5442 in <sup>4</sup>	Yb=6.28 in	wt=80 psf			
$\phi M_n$ ft-k/ft	36.07	47.45	58.42	66.81	81.54
Series	1.0E-12706	1.0E-12708	1.0E-12710	1.0E-12808	1.0E-12810
Span in Feet	Allowable Superimposed Load In lbs/ft <sup>2</sup>				
18	496				
19	439				
20	391				
21	349	465			
22	312	430	465		
23	281	388	428	452	
24	253	352	401	422	
25	228	319	373	391	
26	207	291	351	369	
27	187	265	328	343	380
28	170	242	311	325	354
29	154	222	287	305	335
30	140	203	264	288	313
31	127	187	244	274	298
32	116	171	225	257	279
33	105	158	208	245	267
34	96	145	193	227	251
35	87	133	178	211	238
36	79	123	165	196	228
37		113	153	182	212
38		104	142	169	197
39		96	132	157	184
40		88	122	146	172
41		81	114	136	161
42			105	126	150
43			98	117	140
44			91	109	131
45			84	101	123
46				94	115
47				88	107
48				81	100
49					94
50					88
51					82

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 105 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 4 hours				
Section Properties					
A=415in <sup>2</sup>	Yt=6.35 in	b=16.6 in			
I=8518in <sup>4</sup>	Yb=7.65 in	wt=105 psf			
$\phi M_n$ ft-k/ft	42.32	55.47	68.03	77.86	94.94
Series	1.0E-12706T	1.0E-12708T	1.0E-12710T	1.0E-12808T	1.0E-12810T
Span in Feet	Allowable Superimposed Load In lbs/ft <sup>2</sup>				
20	450	496			
21	401	469			
22	358	444			
23	321	421			
24	288	400			
25	260	365	381		
26	234	331	363		
27	211	302	347		
28	191	275	332		
29	173	251	318		
30	156	229	299		
31	141	210	275	291	
32		192	253	280	
33		176	233	269	
34		161	215	258	
35		147	199	239	249
36		135	184	221	240
37			170	204	231
38			157	187	223
39			145	172	207
40			134	158	192
41				145	177
42				133	164
43				121	151
44					140
45					129
46					118
47					109
48					100

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"

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