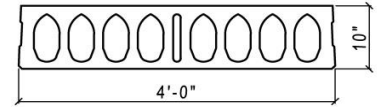




Ultralight Load Table
10" Thick
2.0" Strand Cover



No Structural Topping Dead Load Weight of Slab = 67 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 3 hours				
Section Properties					
A=277 in ²	Yt=4.83 in	b=14.6 in			
I=3238 in ⁴	Yb=5.17 in	wt=67 psf			
ϕM_n ft-k/ft	25.63	33.46	40.91	46.42	55.08
Series	2.0E-10706	2.0E-10708	2.0E-10710	2.0E-10808	2.0E-10810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
15	493				
16	441	488			
17	393	440	481		
18	345	399	435	453	
19	305	364	396	418	424
20	270	330	360	382	399
21	240	305	331	351	377
22	214	282	306	321	357
23	192	259	281	298	330
24	172	240	262	277	304
25	155	217	242	256	282
26	139	197	227	241	264
27	125	179	212	223	244
28	113	163	200	211	230
29	102	149	186	196	214
30	92	136	177	186	202
31		124	163	174	189
32		113	149	164	178
33		103	138	157	169
34		94	127	147	159
35			117	138	152
36			108	127	143
37			99	117	135
38				108	129
39				99	119
40				92	111
41					103
42					95
43					88
44					82

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 92 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 4 hours				
Section Properties					
A=362 in ²	Yt=5.46 in	b=14.6 in			
I=5473 in ⁴	Yb=6.54 in	wt=92 psf			
ϕM_n ft-k/ft	31.88	41.47	50.5	57.5	69.39
Series	2.0E-10706T	2.0E-10708T	2.0E-10710T	2.0E-10808T	2.0E-10810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
16	481				
17	449				
18	420				
19	372	394			
20	329	371			
21	292	350			
22	260	331			
23	232	314			
24	208	291	298		
25	186	263	283		
26	167	238	269		
27		215	257		
28		195	240		
29		177	225	233	
30			210	221	
31			194	209	214
32			178	195	205
33			163	184	197
34				168	189
35				152	177
36					169
37					154
38					141
39					128

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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