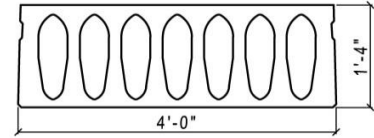




Ultralight Load Table
16" Thick
1.63" Strand Cover



No Structural Topping Dead Load Weight of Slab = 105 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 4 hours				
Section Properties					
A = 433 in ²	Yt = 8.11 in	b = 16 in			
I = 12493 in ⁴	Yb = 7.89 in	wt = 105 psf			
ϕM_n ft-k/ft	63.11	89.7	110.39	127.57	138.33
Series	1.63G-16708	1.63G-16808	1.63G-16810	1.63G-16812	1.63G-16814
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
32	229	294	325		
33	211	279	308		
34	194	261	289	298	
35	179	247	273	287	
36	165	234	258	277	
37	152	220	244	267	
38	140	210	233	252	
39	129	199	220	238	247
40	118	188	208	228	239
41		180	199	216	231
42		171	189	205	221
43		162	179	196	210
44		153	171	187	201
45		143	164	177	192
46		133	155	169	182
47		124	147	163	176
48			142	155	168
49			136	147	163
50			129	143	158
51			123	136	151
52			119	133	148
53				127	141
54				121	135
55				115	129
56				110	123
57				104	117
58					112
59					107
60					102
61					98

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 130 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 4 hours				
Section Properties					
A = 518 in ²	Yt = 8.61 in	b = 16 in			
I = 18409 in ⁴	Yb = 9.38 in	wt = 130 psf			
ϕM_n ft-k/ft	71.12	100.72	123.53	145.57	166.82
Series	1.63G-16708T	1.63G-16808T	1.63G-16810T	1.63G-16812T	1.63G-16814T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
31	273				
32	250	340	356		
33	229	317	342		
34	210	300	329		
35	193	281	313		
36	177	264	294	304	
37		251	279	292	
38		235	262	282	
39		224	249	272	
40		212	236	258	
41		199	222	245	252
42		188	212	232	244
43		175	201	219	235
44			189	210	226
45			181	199	217
46			172	188	206
47			163	179	198
48			155	172	188
49				163	182
50				158	177
51				150	168
52				146	165
53					157
54					149
55					141
56					134

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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