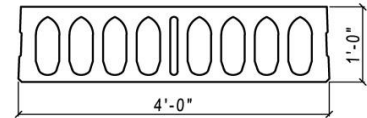


Ultralight Load Table
12" Thick
1.63" Strand Cover



No Structural Topping Dead Load Weight of Slab = 80 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 4 hours				
Section Properties					
A=330 in ²	Yt=5.72 in	b=16.6 in			
I=5442 in ⁴	Yb=6.28 in	wt=80 psf			
ϕM_n ft-k/ft	33.89	44.54	54.78	62.57	76.24
Series	1.63E-12706	1.63E-12708	1.63E-12710	1.63E-12808	1.63E-12810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
18	463				
19	409				
20	363	474			
21	324	440	474	499	
22	290	400	437	459	
23	260	361	404	427	470
24	234	326	379	394	433
25	211	296	350	369	405
26	190	269	331	344	375
27	172	245	307	324	352
28	156	224	289	303	329
29	141	205	266	287	310
30	128	187	244	268	290
31	116	172	225	257	276
32	105	157	207	241	259
33	95	144	191	227	248
34	86	132	177	211	234
35		122	163	195	221
36		112	151	181	213
37		102	140	168	201
38		94	130	157	187
39			120	146	174
40			111	135	162
41			103	126	151
42			95	117	141
43				109	132
44				101	123
45				94	114
46					107
47					99
48					93
49					86
50					80

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 105 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 4 hours				
Section Properties					
A=415 in ²	Yt=6.35 in	b=16.6 in			
I=8518 in ⁴	Yb=7.65 in	wt=105 psf			
ϕM_n ft-k/ft	40.14	52.55	64.39	73.62	89.62
Series	1.63E-12706T	1.63E-12708T	1.63E-12710T	1.63E-12808T	1.63E-12810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
19	477	497			
20	423	468	495		
21	376	442	456	480	
22	336	418	418	441	489
23	300	397	397	409	452
24	269	377	377	376	415
25	242	341	359	358	386
26	218	310	342	341	356
27	196	282	326	325	333
28	177	256	312	311	311
29	160	234	298	297	297
30	144	213	279	285	285
31		194	256	273	273
32		178	235	262	262
33		162	217	252	252
34		148	200	240	242
35			184	222	233
36			170	205	224
37			156	190	216
38			144	174	208
39				159	194
40				145	179
41					165
42					152
43					139
44					128
45					117

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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