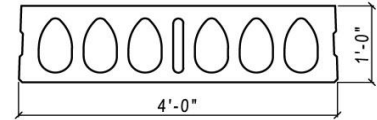




Standard Load Table

12" Thick

2.00" Strand Cover



No Structural Topping Dead Load Weight of Slab = 86 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	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	32.58	42.79	52.6	60.04	73.06
Series	2.0D-12706	2.0D-12708	2.0D-12710	2.0D-12808	2.0D-12810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
18	438				
19	387	485			
20	343	445	484		
21	305	407	443	469	487
22	272	376	407	432	461
23	243	340	378	397	436
24	218	307	348	369	405
25	196	278	326	345	377
26	177	252	303	319	349
27	159	229	284	301	328
28	143	208	265	279	305
29	129	190	248	264	288
30	117	173	228	247	269
31	105	158	209	232	254
32	95	144	192	220	239
33		132	177	206	224
34		121	163	195	215
35		110	150	181	202
36		101	138	167	191
37			128	155	183
38			118	143	173
39			108	133	164
40			100	123	157
41				114	146
42				106	136
43					126
44					117
45					109
46					101
47					94

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 111 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	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	38.83	50.81	62.2	71.08	86.42
Series	2.0D-12706T	2.0D-12708T	2.0D-12710T	2.0D-12808T	2.0D-12810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
19	455	475			
20	402	447	466	493	497
21	357	422	424	451	469
22	318	399	399	414	442
23	284	378	378	379	418
24	254	358	359	357	387
25	227	323	341	340	359
26	204	293	325	323	331
27	183	265	309	308	310
28	164	241	295	294	294
29		219	282	281	281
30		199	262	269	269
31		181	240	258	258
32		165	221	247	247
33			202	237	237
34			186	224	228
35			171	207	219
36				191	211
37				176	203
38				163	195
39					186
40					171
41					157
					144

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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