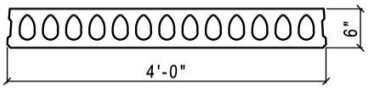
Ultralight Load Table
6" Thick
1.0" Strand Cover



No Structural Topping
Dead Load Weight of Slab = 48 psf

IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 1 1/2 hours				

Section Properties

A = 197 in² Yt = 3.02 in b = 17.5 in
I = 779 in⁴ Yb = 2.98 in wt = 48 psf

ϕM_n ft-k/ft	11.57	15.04	18.28	21.36	
Series	1.0F-6606	1.0F-6608	1.0F-6610	1.0F-6612	
Span in Feet	Allowable Superimposed Load In lbs/ft^2				
11	442	482			
12	366	419	454	482	
13	306	370	398	423	
14	259	328	353	375	
15	221	293	315	335	
16	190	258	283	301	
17	164	224	254	273	
18	143	196	233	247	
19	124	172	215	224	
20	109	152	193	208	
21	95	135	171	192	
22	84	119	153	174	
23	73	106	137	156	
24		95	123	140	
25		84	110	126	
26		75	99	113	
27			89	102	
28			80	92	
29			72	83	
30				75	
31				68	

2" Bonded Structural Topping
Dead Load Weight of Slab With Topping = 73 psf

IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 3 hours				

Section Properties

A = 282 in² Yt = 3.81 in b = 17.5 in
I = 1765 in⁴ Yb = 4.19 in wt = 73 psf

ϕM_n ft-k/ft	16.34	21.22	25.78	30.03	
Series	1.0F-6606T	1.0F-6608T	1.0F-6610T	1.0F-6612T	
Span in Feet	Allowable Superimposed Load In lbs/ft^2				
12	456				
13	417				
14	362	383			
15	308	354			
16	264	328			
17	228	306			
18	197	273	286		
19	172	239	268		
20		211	252		
21		186	237		
22		164	212	224	
23			185	212	
24			162	188	
25			141	165	
26				145	
27				127	

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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Load tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each specific project.