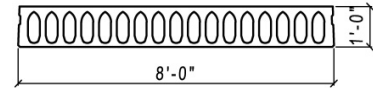




Load Table

96" Wide 12" Thick

2.0" Strand Cover



No Structural Topping						
Dead Load Weight of Slab = 80 psf						
IBC Fire Ratings	Unrestrained 3 hours					
	Restrained 4 hours					
Section Properties						
A = 661 in ²		Yt = 5.7 in		b = 32.6 in		
I = 10915 in ⁴		Yb = 6.3 in		wt = 80 psf		
ϕM_n ft-k/ft	32.58	42.79	46.17	60.03	66.65	
Series	2.0H-12712	2.0H-12716	2.0H-12812	2.0H-12816	2.0H-12818	
Span in Feet	Allowable Superimposed Load In lbs/ft ²					
	18	443				
19	391	495				
20	347	456	467			
21	309	416	431	477		
22	277	382	395	442	463	
23	248	344	368	406	425	
24	223	311	341	379	396	
25	201	282	309	352	367	
26	181	257	282	329	344	
27	163	234	257	308	322	
28	148	213	234	289	302	
29	134	194	215	272	283	
30	121	178	197	257	268	
31	110	163	180	240	250	
32	99	149	165	231	240	
33	90	136	152	216	225	
34		125	140	200	214	
35		115	128	185	204	
36		105	118	172	192	
37		96	109	159	181	
38			100	148	168	
39				137	156	
40				128	145	
41				119	134	
42				110	125	
43				102	116	
44				95	108	
45					100	
46					93	

2" Bonded Structural Topping						
Dead Load Weight of Slab With Topping = 105 psf						
IBC Fire Ratings	Unrestrained 3 hours					
	Restrained 4 hours					
Section Properties						
A = 835 in ²		Yt = 6.33 in		b = 32.6 in		
I = 17032 in ⁴		Yb = 7.67 in		wt = 105 psf		
ϕM_n ft-k/ft	38.83	50.81	54.77	71.08	78.85	
Series	2.0H-12712T	2.0H-12716T	2.0H-12812T	2.0H-12816T	2.0H-12818T	
Span in Feet	Allowable Superimposed Load In lbs/ft ²					
	19	459	479			
20	407	451				
21	361	426				
22	322	403				
23	288	382				
24	258	362				
25	232	328	344			
26	208	297	326			
27	188	270	297			
28	169	245	271			
29	152	223	247			
30		204	226	274		
31		186	206	262		
32		169	189	252		
33		155	173	242		
34			158	229		
35				211	223	
36				196	215	
37				181	202	
38				167	185	
39				152	170	
40					155	
41					142	

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"
 Issued: 5/1/2013
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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.