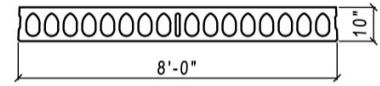




# Load Table

## 96" Wide 10" Thick

### 2.0" Strand Cover



No Structural Topping Dead Load Weight of Slab = 75 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 3 hours				
Section Properties					
A = 610 in <sup>2</sup>	Yt = 4.79 in	b = 29.5 in			
I = 6964 in <sup>4</sup>	Yb = 5.21 in	wt = 75 psf			
$\phi M_n$ ft-k/ft	25.63	33.46	36.01	46.43	51.3
Series	2.0H-10712	2.0H-10716	2.0H-10812	2.0H-10816	2.0H-10818
Span in Feet	Allowable Superimposed Load In lbs/ft <sup>2</sup>				
16	442	495			
17	387	445	458		
18	339	401	415	446	
19	299	363	377	419	
20	264	333	342	387	393
21	234	307	315	352	370
22	209	280	291	324	341
23	186	260	266	300	315
24	166	234	249	276	290
25	149	211	229	257	270
26	133	191	210	238	250
27	120	173	191	223	234
28	107	157	173	208	217
29	96	143	158	196	205
30		130	144	182	191
31		118	131	174	182
32		107	120	162	170
33		97	109	153	160
34			100	145	152
35				133	142
36				123	136
37				113	128
38				105	118
39					108
40					100

2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 100 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 4 hours				
Section Properties					
A = 784 in <sup>2</sup>	Yt = 5.53 in	b = 29.5 in			
I = 11471 in <sup>4</sup>	Yb = 6.47 in	wt = 100 psf			
$\phi M_n$ ft-k/ft	31.88	41.47	44.6	57.51	63.55
Series	2.0H-10712T	2.0H-10716T	2.0H-10812T	2.0H-10816T	2.0H-10818T
Span in Feet	Allowable Superimposed Load In lbs/ft <sup>2</sup>				
16	475				
17	443				
18	414				
19	367	388			
20	324	365			
21	287	344			
22	254	325			
23	226	308			
24	202	285	291		
25	180	257	276		
26		232	255		
27		210	231		
28		190	210		
29		172	190	228	
30			173	218	
31				206	
32				194	199
33				180	189
34				167	181
35					168
36					152

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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