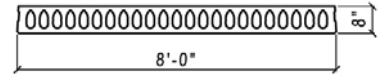




# Load Table

## 96" Wide 8" Thick

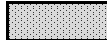
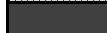
### 1.63" Strand Cover



No Structural Topping					
Dead Load Weight of Slab = 63 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 2 hours				
Section Properties					
A = 511 in <sup>2</sup>	Yt=3.99 in	b = 37.5 in			
I = 3629 in <sup>4</sup>	Yb=4.01 in	wt = 63 psf			
$\phi M_n$ ft-k/ft	15.12	19.96	25.89	31.41	36.43
Series	1.63H-8612	1.63H-8712	1.63H-8716	1.63H-8720	1.63H-8724
Span in Feet	Allowable Superimposed Load In lbs/ft <sup>2</sup>				
12	479				
13	401				
14	339	462			
15	289	396	466		
16	248	343	420	451	482
17	215	298	380	410	435
18	186	261	343	370	396
19	162	229	311	338	362
20	142	202	276	313	329
21	124	179	246	287	305
22	109	159	220	266	283
23	96	141	198	249	261
24	84	126	178	226	246
25		112	160	204	227
26		100	144	185	213
27		90	130	168	194
28			118	153	176
29			107	140	161
30			97	127	147
31				116	134
32				106	122
33				96	112
34					102
35					93
36					85

2" Bonded Structural Topping					
Dead Load Weight of Slab With Topping = 88 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 4 hours				
Section Properties					
A = 685 in <sup>2</sup>	Yt = 4.75 in	b = 37.5 in			
I = 6857 in <sup>4</sup>	Yb = 5.25 in	wt = 88 psf			
$\phi M_n$ ft-k/ft	19.88	26.22	33.9	41	47.94
Series	1.63H-8612T	1.63H-8712T	1.63H-8716T	1.63H-8720T	1.63H-8724T
Span in Feet	Allowable Superimposed Load In lbs/ft <sup>2</sup>				
14	441	459			
15	376	424			
16	322	393			
17	278	366			
18	241	339			
19	209	297	321		
20	183	262	301		
21		231	284		
22		205	268		
23		182	253		
24			228	240	
25			205	228	
26			185	217	
27				206	
28				190	196
29				169	187
30					177
31					159

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.