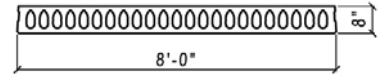




Load Table

96" Wide 8" Thick

2.0" 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 ²	Yt=3.99 in	b = 37.5 in			
I = 3629 in ⁴	Yb=4.01 in	wt = 63 psf			
ϕM_n ft-k/ft	14.16	18.63	24.11	29.18	33.74
Series	2.0H-8612	2.0H-8712	2.0H-8716	2.0H-8720	2.0H-8724
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
	12	444			
13	372				
14	314	428			
15	267	367	453	479	
16	229	317	407	433	465
17	198	275	366	394	421
18	171	240	325	357	384
19	149	211	287	328	348
20	130	186	254	304	319
21	113	164	226	277	296
22	99	145	202	254	272
23		129	181	229	254
24		115	162	206	236
25			146	186	220
26			131	169	199
27			118	153	181
28				139	164
29				126	149
30				115	136
31					123
32					112

2" Bonded Structural Topping					
Dead Load Weight of Slab With Topping = 88 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 4 hours				
Section Properties					
A = 685 in ²	Yt = 4.75 in	b = 37.5 in			
I = 6857 in ⁴	Yb = 5.25 in	wt = 88 psf			
ϕM_n ft-k/ft	18.92	24.89	32.12	38.77	45.26
Series	2.0H-8612T	2.0H-8712T	2.0H-8716T	2.0H-8720T	2.0H-8724T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
	13	488			
14	417	448	488		
15	355	414	435		
16	304	384	388		
17	261	358	358		
18	226	318	334		
19	196	279	313		
20		245	294		
21		216	277		
22			261		
23			238	247	
24				234	
25				222	
26				211	
27					201
28					191

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
 ©Spancrete www.spancrete.com