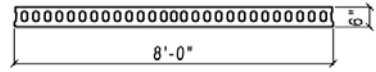




Load Table

96" Wide 6" Thick

1.0" Strand Cover



No Structural Topping					
Dead Load Weight of Slab = 56 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 1 1/2 hours				
Section Properties					
A = 452 in ²	Yt = 3.03 in	b = 47.8 in			
I = 1648 in ⁴	Yb = 2.97 in	wt = 56 psf			
ϕM_n ft-k/ft	11.57	15.04	18.28	21.28	
Series	1.0H-6612	1.0H-6616	1.0H-6620	1.0H-6624	
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
11	436				
12	360	480			
13	300	403	470	476	
14	253	342	421	425	
15	215	292	364	384	
16	184	252	315	351	
17	158	218	274	319	
18	137	190	240	279	
19	118	166	211	246	
20	103	146	187	217	
21	89	129	165	192	
22	78	113	147	171	
23		100	131	152	
24		89	117	136	
25		78	104	122	
26			93	109	
27			84	97	
28				87	
29				78	

2" Bonded Structural Topping					
Dead Load Weight of Slab With Topping = 81 psf					
IBC Fire Ratings	Unrestrained 1 hour				
	Restrained 3 hours				
Section Properties					
A = 626 in ²	Yt = 3.93 in	b = 47.8 in			
I = 3708 in ⁴	Yb = 4.07 in	wt = 81 psf			
ϕM_n ft-k/ft	16.34	21.22	25.79	30.03	
Series	1.0H-6612T	1.0H-6616T	1.0H-6620T	1.0H-6624T	
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
12	451	483			
13	411	426	453	457	
14	356	378	403	407	
15	302	348	361	366	
16	258	322	323	333	
17	222	300	300	301	
18	191	267	280	280	
19	166	233	262	262	
20		205	246	246	
21		180	231	231	
22			206	218	
23			182	206	
24			157	185	
25				161	
26				140	

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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