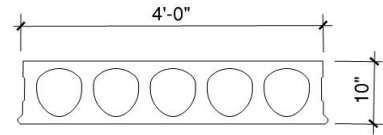




EX-120 Load Table

10" Thick

1.0" Strand Cover





No Structural Topping					
Dead Load Weight of Slab = 72.63 psf					
IBC Fire Ratings	Unrestrained 1 hours				
	Restrained 2 hours*				
Section Properties					
A = 252 in ²	Yt = 5.18 in	b = 11.25 in			
I = 3096 in ⁴	Yb = 4.82 in	wt = 72.63 psf			
φM _n ft-k/ft	29.59	38.97	48.17	55.17	67.63
Series	1.0CA-10706	1.0CA-10708	1.0CA-10710	1.0CA-10808	1.0CA-10810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
14	602				
15	556	575			
16	497	534	531		
17	447	497	495		
18	402	452	463		
19	355	408	434		
20	315	373	408		
21	281	344	374	380	
22	251	315	345	360	
23	225	291	316	336	
24	202	272	294	310	
25	182	250	271	288	
26	164	234	254	269	
27	148	213	236	250	
28	134	194	222	236	
29	121	177	201	214	244
30	110	162	181	194	227
31	99	148	162	173	215
32	90	134	148	154	205
33	81	121	134	142	196
34		114	121	131	184
35		104	109	114	173
36		96	101	106	163
37		88	93	98	153
38			85	90	144
39			77	82	136
40			69	74	129
41			61	66	123
42			53	58	118
43			45	50	112
44			37	42	106
45			29	34	99
46			21	26	93
47			13	18	86

2" Bonded Structural Topping					
Dead Load Weight of Slab With Topping = 97.63 psf					
IBC Fire Ratings	Unrestrained 1 hours				
	Restrained 4 hours				
Section Properties					
A = 312.8 in ²	Yt = 6.02 in	b = 11.25 in			
I = 4918 in ⁴	Yb = 5.98 in	wt = 97.63 psf			
φM _n ft-k/ft	35.38	46.13	56.33	64.30	78.19
Series	1.0CA-10706T	1.0CA-10708T	1.0CA-10710T	1.0CA-10808T	1.0CA-10810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
14	620				
15	573	574			
16	533	533	533		
17	497	497	497		
18	465	466	466		
19	416	437	437		
20	369	412	412		
21	328	389	389	387	
22	292	368	368	366	
23	261	349	348	347	
24	234	327	331	330	
25	210	296	315	314	
26	188	268	300	299	
27	169	243	283	285	
28	152	221	266	266	
29		201	246	246	260
30			226	226	249
31			206	206	239
32			186	216	229
33			166	204	220
34			146	190	211
35			126	183	203
36			106	171	191
37			86	161	179
38			66		168
39			46		158
40			26		151
41			6		139
42					128

NOT USED

NOT USED

Concrete Strength: 9,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax
 Strands Stressed to 61%

 Camber 1"-1 1/2"
 Camber > 1 1/2"

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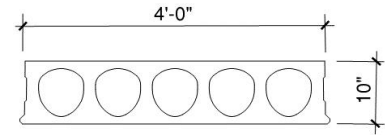
*Limited by heat transmission requirements of ASTM E-119



EX-120 Load Table

10" Thick

1.63" Strand Cover


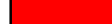


No Structural Topping					
Dead Load Weight of Slab = 72.63 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 2 hours*				
Section Properties					
A = 252 in ²		Yt = 5.18 in		b = 11.25 in	
I = 3096 in ⁴		Yb = 4.82 in		wt = 72.63 psf	
ϕM_n ft-k/ft	27.39	35.75	43.91	51.21	63.13
Series	1.63CA-10706	1.63CA-10708	1.63CA-10710	1.63CA-10808	1.63CA-10810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
14	556				
15	513	532			
16	464	494	511	508	
17	417	453	476	473	492
18	368	409	439	443	460
19	325	372	398	415	432
20	288	337	363	391	407
21	256	309	333	358	384
22	228	286	304	329	354
23	204	262	281	301	327
24	183	243	260	279	300
25	164	227	241	258	279
26	148	210	225	240	258
27	133	191	209	224	241
28	120	173	196	209	224
29	108	158	183	195	210
30		144	172	184	196
31		131	161	171	185
32		120	151	163	176
33			144	152	168
34				144	158
35				136	148
36				128	138
37				122	130
38					123
39					118

2" Bonded Structural Topping					
Dead Load Weight of Slab With Topping = 97.63 psf					
IBC Fire Ratings	Unrestrained 2 hours				
	Restrained 4 hours				
Section Properties					
A = 312.8 in ²		Yt = 6.02 in		b = 11.25 in	
I = 4918 in ⁴		Yb = 5.98 in		wt = 97.63 psf	
ϕM_n ft-k/ft	33.18	41.56	49.36	64.12	81.19
Series	1.63CA-10706T	1.63CA-10708T	1.63CA-10710T	1.63CA-10808T	1.63CA-10810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
14	579				
15	536	536			
16	498	498	498	496	
17	464	464	464	462	473
18	434	434	434	433	442
19	386	407	407	406	414
20	341	383	383	382	388
21	303	362	362	360	366
22	269	342	342	341	341
23	240	319	324	323	323
24	215	287	307	306	306
25	192	259	290	291	291
26		234	271	277	277
27		212	251	264	264
28			234	250	252
29			218	235	241
30				218	230
31				206	220
32				191	208
33					198
34					185

Concrete Strength: 9,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax
 Strands Stressed to 61%

*Limited by heat transmission requirements of ASTM E-119

 Camber 1"-1 1/2"
 Camber > 1 1/2"

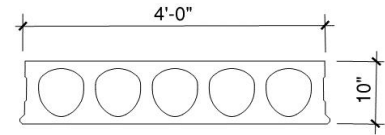
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EX-120 Load Table

10" Thick

2.13" Strand Cover



No Structural Topping					
Dead Load Weight of Slab = 72.63 psf					
IBC Fire Ratings	Unrestrained 2 hours*				
	Restrained 2 hours*				
Section Properties					
A = 252 in ²	Yt = 5.18 in	b = 11.25 in			
I = 3096 in ⁴	Yb = 4.82 in	wt = 72.63 psf			
ϕM_n ft-k/ft	25.64	32.42	41.00	47.81	58.90
Series	2.13CA-10706	2.13CA-10708	2.13CA-10710	2.13CA-10808	2.13CA-10810
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
14	545				
15	501	522	541		
16	446	483	502	501	
17	389	433	463	467	486
18	341	390	417	437	455
19	300	353	379	409	427
20	266	322	346	372	401
21	236	297	314	341	366
22	210	270	290	311	336
23	188	251	268	287	308
24	168	233	246	266	285
25	150	213	230	245	265
26	135	192	212	230	244
27	121	175	199	212	229
28	109	158	184	200	212
29			175	185	200
30			162	175	186
31				163	176
32				154	164
33				145	156
34					146
35					137

2" Bonded Structural Topping					
Dead Load Weight of Slab With Topping = 97.63 psf					
IBC Fire Ratings	Unrestrained 3 hours				
	Restrained 4 hours				
Section Properties					
A = 312.8 in ²	Yt = 6.02 in	b = 11.25 in			
I = 4918 in ⁴	Yb = 5.98 in	wt = 97.63 psf			
ϕM_n ft-k/ft	31.43	39.23	46.43	60.73	76.96
Series	2.13CA-10706T	2.13CA-10708T	2.13CA-10710T	2.13CA-10808T	2.13CA-10810T
Span in Feet	Allowable Superimposed Load In lbs/ft ²				
14	547				
15	506	506	523		
16	469	469	483	483	
17	438	438	445	448	467
18	409	409	409	418	436
19	362	384	384	391	408
20	319	361	361	359	383
21	283	340	340	339	348
22	251	321	321	320	320
23	224	297	304	303	303
24	199	267	288	287	287
25		240	271	273	273
26			250	260	260
27				247	247
28				233	236
29					225
30					215

Concrete Strength: 9,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax
 Strands Stressed to 61%

*Limited by heat transmission requirements of ASTM E-119

 Camber 1"-1 1/2"
 Camber > 1 1/2"

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