

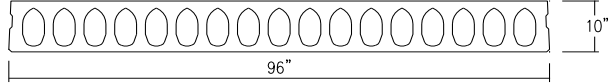
NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 63 psf										
SECTION PROPERTIES										
A = 500.53 in. ²		Y _t = 3.975 in.		b = 30.3125 in.		Wt = 63 psf		P _i = 70%		
I = 3642.7 in. ⁴		Y _b = 4.025 in.								
ΦM _n ft-k	194.88	229.52	263.28	295.68						
Series	1.00C-8810	1.00C-8812	1.00C-8814	1.00C-8816						
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
15	443	3/8	490	7/16	503	1/2				
16	401	3/8	438	1/2	467	9/16				
17	359	7/16	392	9/16	421	5/8	435	3/4		
18	323	1/2	352	9/16	379	11/16	403	13/16		
19	290	1/2	318	5/8	342	3/4	364	7/8		
20	257	1/2	289	11/16	311	13/16	331	15/16		
21	229	9/16	264	3/4	284	7/8	302	1		
22	204	9/16	241	3/4	260	15/16	276	1 1/8		
23	183	9/16	222	13/16	239	1	247	1 3/16		
24	164	5/8	202	13/16	217	1	217	1 1/4		
25	148	5/8	182	13/16	192	1 1/16	192	1 1/4		
26	133	9/16	165	7/8	171	1 1/8	171	1 5/16		
27	120	9/16	149	7/8	152	1 1/8	152	1 3/8		
28	108	9/16	136	7/8	137	1 1/8	137	1 7/16		
29	98	1/2	123	13/16	123	1 1/8	123	1 7/16		
30	88	7/16	111	13/16	111	1 1/8	111	1 7/16		
31	79	3/8	101	3/4	101	1 1/8	101	1 7/16		
32	72	5/16	91	11/16	91	1 1/16	91	1 7/16		
33	65	1/4	83	5/8	83	1 1/16	83	1 7/16		
34			76	9/16	76	1	76	1 3/8		
35			68	7/16	70	7/8	70	1 5/16		
36			56	5/16	64	13/16	64	1 1/4		
37					59	11/16	59	1 3/16		
38					54	9/16	54	1 1/16		
39					44	3/8	50	15/16		
40							47	13/16		
41							43	5/8		
42							40	7/16		
43										
44										
45										
46										

2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 88 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 643.38 in. ²		Y _{t,comp} = 4.87 in.		b = 30.3125 in.		Wt = 88 psf		P _i = 70%		
I _{comp} = 6440.9 in. ⁴		Y _{b,comp} = 5.13 in.								
ΦM _n ft-k	241.68	282.80	322.56	361.04						
Series	1.00C-8810T	1.00C-8812T	1.00C-8814T	1.00C-8816T						
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
15	530	3/8								
16	488	3/8								
17	452	7/16								
18	400	1/2	420	9/16						
19	352	1/2	392	5/8						
20	311	1/2	366	11/16						
21	276	9/16	334	3/4	344	7/8				
22	246	9/16	299	3/4	324	15/16				
23	219	9/16	268	13/16	305	1				
24	196	5/8	241	13/16	282	1	289	1 1/4		
25	176	5/8	217	13/16	256	1 1/16	273	1 1/4		
26	157	9/16	195	7/8	232	1 1/8	256	1 5/16		
27	141	9/16	176	7/8	209	1 1/8	236	1 3/8		
28	127	9/16	159	7/8	187	1 1/8	213	1 7/16		
29	113	1/2	141	13/16	167	1 1/8	191	1 7/16		
30	99	7/16	125	13/16	149	1 1/8	172	1 7/16		
31	85	3/8	110	3/4	133	1 1/8	154	1 7/16		
32	58	5/16	97	11/16	118	1 1/16	139	1 7/16		
33			84	5/8	105	1 1/16	124	1 7/16		
34			59	9/16	93	1	111	1 3/8		
35					82	7/8	99	1 5/16		
36					57	13/16	88	1 1/4		
37							78	1 3/16		
38							52	1 1/16		
39										
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43										
44										
45										
46										



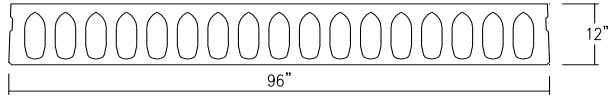
WELLS CONCRETE
BRINGING CONCRETE TO LIFE

10" THICK
1.00" STRAND COVER **1 HR FIRE RATING**



NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 69.9 psf										
SECTION PROPERTIES										
A = 555.2 in. ²		Y ₁ = 4.8083 in.			b = 28.875 in.					
I = 6521.9 in. ⁴		Y _b = 5.1917 in.			Wt = 69.9 psf		P _i = 70%			
ΦM _n ft-k	258.08	305.28	350.88	395.44	419.84					
Series	1.00C-10810	1.00C-10812	1.00C-10814	1.00C-10816	1.00C-10816+602					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	351	1/2	389	9/16	418	11/16	445	13/16	457	7/8
21	313	1/2	355	5/8	382	3/4	406	7/8	419	15/16
22	281	1/2	326	11/16	350	13/16	372	15/16	384	1
23	252	9/16	300	11/16	322	7/8	343	1	353	1 1/16
24	228	9/16	277	3/4	297	15/16	316	1 1/16	326	1 1/8
25	206	9/16	253	3/4	275	15/16	292	1 1/8	302	1 1/4
26	186	5/8	230	13/16	255	1	271	1 3/16	280	1 5/16
27	169	5/8	209	13/16	237	1 1/16	252	1 1/4	260	1 3/8
28	153	5/8	191	7/8	222	1 1/16	236	1 5/16	243	1 7/16
29	139	5/8	174	7/8	207	1 1/8	220	1 5/16	221	1 1/2
30	127	5/8	160	7/8	191	1 1/8	199	1 3/8	199	1 1/2
31	115	9/16	146	7/8	175	1 1/8	180	1 7/16	180	1 9/16
32	105	9/16	134	7/8	161	1 3/16	164	1 7/16	164	1 5/8
33	96	1/2	123	13/16	148	1 3/16	149	1 1/2	149	1 5/8
34	87	1/2	113	13/16	136	1 3/16	137	1 1/2	137	1 11/16
35	79	7/16	103	3/4	125	1 1/8	125	1 1/2	125	1 11/16
36	72	5/16	95	3/4	115	1 1/8	115	1 1/2	115	1 11/16
37	65	1/4	87	11/16	106	1 1/16	106	1 1/2	106	1 11/16
38	59	3/16	80	5/8	97	1	98	1 7/16	98	1 11/16
39			73	1/2	89	1	90	1 7/16	90	1 5/8
40			67	7/16	82	7/8	84	1 3/8	84	1 5/8
41			61	5/16	75	13/16	78	1 5/16	78	1 9/16
42					69	11/16	72	1 3/16	72	1 1/2
43					63	9/16	67	1 1/8	67	1 7/16
44					56	7/16	63	1	63	1 5/16
45							59	7/8	68	1 3/16
46							55	3/4	55	1 1/16
47							46	9/16	51	7/8
48									48	3/4
49										
50										
51										

2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 94.9 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 698 in. ²		Y _{1 comp} = 5.62 in.			b = 28.875 in.					
I _{comp} = 10402.46 in. ⁴		Y _{b comp} = 6.38 in.			Wt = 94.9 psf		P _i = 70%			
ΦM _n ft-k	304.24	357.28	409.44	460.56	488.4					
Series	1.00C-10810T	1.00C-10812T	1.00C-10814T	1.00C-10816T	1.00C-10816+602T					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	404	1/2	470	9/16						
21	360	1/2	435	5/8	441	3/4				
22	321	1/2	390	11/16	416	13/16				
23	288	9/16	351	11/16	392	7/8				
24	259	9/16	316	3/4	362	15/16	371	1 1/16		
25	233	9/16	286	3/4	334	15/16	352	1 1/8		
26	210	5/8	259	13/16	307	1	329	1 3/16	334	1 5/16
27	190	5/8	235	13/16	280	1 1/16	305	1 1/4	316	1 3/8
28	171	5/8	214	7/8	255	1 1/16	284	1 5/16	293	1 7/16
29	155	5/8	194	7/8	233	1 1/8	264	1 5/16	273	1 1/2
30	140	5/8	177	7/8	213	1 1/8	247	1 3/8	255	1 1/2
31	127	9/16	161	7/8	195	1 1/8	225	1 7/16	238	1 9/16
32	114	9/16	147	7/8	179	1 3/16	205	1 7/16	218	1 5/8
33	103	1/2	134	13/16	163	1 3/16	186	1 1/2	199	1 5/8
34			122	13/16	147	1 3/16	170	1 1/2	182	1 11/16
35			110	3/4	133	1 1/8	154	1 1/2	166	1 11/16
36			98	3/4	120	1 1/8	140	1 1/2	151	1 11/16
37			87	11/16	108	1 1/16	127	1 1/2	138	1 11/16
38					97	1	115	1 7/16	125	1 11/16
39					87	1	104	1 7/16	114	1 5/8
40							94	1 3/8	103	1 5/8
41							85	1 5/16	93	1 9/16
42							76	1 3/16	84	1 1/2
43									76	1 7/16
44										
45										
46										
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50										
51										



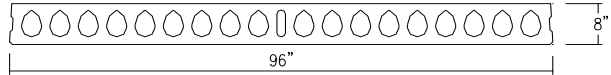
NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 83.2 psf										
SECTION PROPERTIES										
A = 661.1 in. ²		Y _t = 5.7016 in.			b = 33.0625 in.					
I = 10914.7 in. ⁴		Y _b = 6.2984 in.			Wt = 83.2 psf		P _i = 70%			
ΦM _n ft-k	320	380.88	439.68	496.16	527.12					
Series	1.00C-12810	1.00C-12812	1.00C-12814	1.00C-12816	1.00C-12816+602					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	438	3/8	523	7/16	560	9/16	595	5/8		
21	391	3/8	477	1/2	512	9/16	544	11/16	561	3/4
22	351	7/16	429	1/2	471	5/8	500	3/4	515	13/16
23	316	7/16	388	9/16	434	11/16	461	13/16	475	7/8
24	285	7/16	351	9/16	402	3/4	426	13/16	439	15/16
25	258	1/2	318	5/8	373	3/4	395	7/8	407	1
26	233	1/2	290	5/8	344	13/16	367	15/16	378	1
27	212	1/2	264	11/16	314	13/16	344	1	353	1 1/16
28	193	1/2	241	11/16	288	7/8	320	1	329	1 1/8
29	175	1/2	221	11/16	264	7/8	301	1 1/16	309	1 3/16
30	160	1/2	202	11/16	243	15/16	279	1 1/8	289	1 1/4
31	146	1/2	185	3/4	223	15/16	257	1 1/8	271	1 1/4
32	133	1/2	170	3/4	206	15/16	237	1 3/16	250	1 5/16
33	121	7/16	156	3/4	190	15/16	219	1 3/16	231	1 5/16
34	111	7/16	144	11/16	175	1	202	1 1/4	214	1 3/8
35	101	3/8	132	11/16	162	1	187	1 1/4	198	1 3/8
36	92	3/8	121	11/16	150	15/16	173	1 1/4	184	1 3/8
37	84	5/16	111	5/8	138	15/16	160	1 1/4	170	1 7/16
38	76	1/4	102	9/16	128	15/16	148	1 1/4	158	1 7/16
39	69	3/16	94	1/2	118	7/8	137	1 1/4	146	1 3/8
40			86	1/2	109	13/16	127	1 3/16	136	1 3/8
41			79	3/8	101	3/4	118	1 3/16	126	1 3/8
42			73	5/16	93	3/4	109	1 1/8	117	1 5/16
43			66	3/16	86	5/8	101	1 1/16	108	1 1/4
44					80	9/16	93	1	101	1 1/4
45					73	7/16	86	15/16	93	1 3/16
46					66	5/16	80	13/16	86	1 1/16
47							73	11/16	80	1
48							67	9/16	74	7/8
49							62	7/16	68	3/4
50									63	5/8
51									55	7/16

2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 108.2 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 803.92 in. ²		Y _{t comp} = 6.511 in.			b = 33.0625 in.					
I _{comp} = 16237.8 in. ⁴		Y _{b comp} = 7.489 in.			Wt = 108.2 psf		P _i = 70%			
ΦM _n ft-k	367.44	432.4	496.72	559.84	594.48					
Series	1.00C-12810T	1.00C-12812T	1.00C-12814T	1.00C-12816T	1.00C-12816+602T					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	493	3/8	573	7/16						
21	439	3/8	531	1/2	538	9/16				
22	393	7/16	477	1/2	506	5/8				
23	353	7/16	429	9/16	477	11/16				
24	317	7/16	388	9/16	452	3/4				
25	286	1/2	351	5/8	415	3/4	428	7/8		
26	258	1/2	318	5/8	378	13/16	406	15/16		
27	234	1/2	289	11/16	344	13/16	386	1		
28	212	1/2	263	11/16	315	7/8	365	1	368	1 1/8
29	192	1/2	240	11/16	288	7/8	335	1 1/16	351	1 3/16
30	174	1/2	219	11/16	264	15/16	307	1 1/8	331	1 1/4
31	158	1/2	200	3/4	242	15/16	283	1 1/8	305	1 1/4
32	143	1/2	183	3/4	222	15/16	260	1 3/16	282	1 5/16
33	130	7/16	167	3/4	204	15/16	240	1 3/16	260	1 5/16
34	117	7/16	153	11/16	187	1	221	1 1/4	240	1 3/8
35	106	3/8	139	11/16	172	1	204	1 1/4	220	1 3/8
36			127	11/16	158	15/16	189	1 1/4	202	1 3/8
37			116	5/8	146	15/16	173	1 1/4	185	1 7/16
38			106	9/16	134	15/16	158	1 1/4	170	1 7/16
39			96	1/2	122	7/8	144	1 1/4	155	1 3/8
40					111	13/16	131	1 3/16	142	1 3/8
41					100	3/4	119	1 3/16	130	1 3/8
42					89	3/4	109	1 1/8	119	1 5/16
43							98	1 1/16	108	1 1/4
44							89	1	98	1 1/4
45							80	15/16	89	1 3/16
46									80	1 1/16
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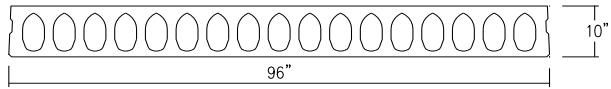
WELLS CONCRETE
BRINGING CONCRETE TO LIFE

8" THICK
1.75" STRAND COVER **2 HR FIRE RATING**



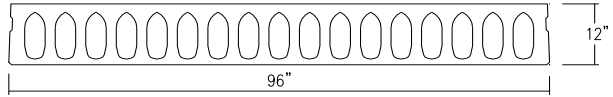
NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 63 psf										
SECTION PROPERTIES										
A = 500.53 in. ²		Y _t = 3.975 in.			b = 30.3125 in.					
I = 3642.7 in. ⁴		Y _b = 4.025 in.			Wt = 63 psf		P _i = 70%			
ΦM _n ft-k	171.2	201.44	230.64	258.32						
Series	1.75C-8810	1.75C-8812	1.75C-8814	1.75C-8816						
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
15	392	1/4	447	5/16	474	3/8	474	7/16		
16	355	1/4	397	5/16	427	7/16	440	1/2		
17	323	5/16	354	3/8	382	7/16	407	1/2		
18	283	5/16	318	3/8	343	1/2	366	9/16		
19	249	5/16	287	7/16	310	1/2	331	5/8		
20	220	5/16	261	7/16	281	9/16	300	5/8		
21	195	5/16	238	7/16	256	9/16	273	11/16		
22	174	5/16	213	7/16	234	9/16	250	3/4		
23	155	5/16	191	7/16	215	5/8	229	3/4		
24	138	5/16	171	7/16	198	5/8	211	3/4		
25	124	1/4	154	7/16	183	5/8	192	3/4		
26	111	1/4	139	7/16	165	5/8	171	13/16		
27	99	3/16	125	3/8	149	5/8	152	13/16		
28	89	1/8	113	3/8	135	9/16	137	3/4		
29			102	5/16	122	1/2	123	3/4		
30			93	1/4	110	1/2	111	3/4		
31			80	1/8	99	7/16	101	11/16		
32					90	5/16	91	5/8		
33					72	1/4	83	9/16		
34							76	7/16		
35							64	5/16		
36										
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46										

2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 88 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 643.38 in. ²		Y _{t comp} = 4.87 in.			b = 30.3125 in.					
I _{comp} = 6440.9 in. ⁴		Y _{b comp} = 5.13 in.			Wt = 88 psf		P _i = 70%			
ΦM _n ft-k	218.32	254.72	289.76	323.52						
Series	1.75C-8810T	1.75C-8812T	1.75C-8814T	1.75C-8816T						
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
15	474	1/4								
16	436	1/4								
17	404	5/16								
18	355	5/16	375	3/8						
19	312	5/16	349	7/16						
20	275	5/16	327	7/16						
21	243	5/16	295	7/16	306	9/16				
22	216	5/16	263	7/16	288	9/16				
23	192	5/16	235	7/16	270	5/8	271	3/4		
24	171	5/16	210	7/16	246	5/8	256	3/4		
25	152	1/4	189	7/16	222	5/8	243	3/4		
26			168	7/16	197	5/8	223	13/16		
27			147	3/8	174	5/8	200	13/16		
28					154	9/16	178	3/4		
29					136	1/2	158	3/4		
30							141	3/4		
31							125	11/16		
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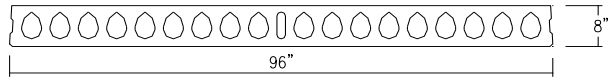
NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 69.9 psf										
SECTION PROPERTIES										
A = 555.2 in. ²		Y ₁ = 4.8083 in.			b = 28.875 in.					
I = 6521.9 in. ⁴		Y _b = 5.1917 in.			Wt = 69.9 psf		P _i = 70%			
ΦM _n ft-k	234.64	276.72	317.92	358.08	379.92					
Series	1.75C-10810	1.75C-10812	1.75C-10814	1.75C-10816	1.75C-10816+602					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	314	3/8	355	7/16	383	9/16	409	5/8	414	11/16
21	280	3/8	324	1/2	349	9/16	373	11/16	385	3/4
22	250	3/8	297	1/2	320	5/8	341	3/4	353	13/16
23	225	3/8	272	1/2	294	5/8	314	3/4	324	13/16
24	202	3/8	248	9/16	270	11/16	289	13/16	299	7/8
25	182	7/16	224	9/16	250	11/16	267	7/8	276	15/16
26	164	3/8	203	9/16	232	3/4	247	7/8	256	1
27	149	3/8	185	9/16	215	3/4	230	15/16	237	1
28	135	3/8	168	9/16	201	3/4	213	15/16	221	1 1/16
29	122	3/8	153	9/16	184	3/4	199	1	206	1 1/16
30	110	5/16	140	9/16	168	3/4	186	1	193	1 1/8
31	100	5/16	128	1/2	154	3/4	174	1	180	1 1/8
32	91	1/4	116	1/2	142	3/4	162	1	164	1 1/8
33	82	3/16	106	7/16	130	3/4	149	1	149	1 1/8
34	74	1/8	97	7/16	119	11/16	137	1	137	1 1/8
35			89	3/8	110	5/8	125	15/16	125	1 1/8
36			81	1/4	101	9/16	115	7/8	115	1 1/16
37			74	3/16	92	1/2	106	7/8	106	1
38					84	7/16	97	13/16	98	1
39					77	3/8	89	11/16	90	15/16
40					67	1/4	82	5/8	84	13/16
41							75	1/2	78	3/4
42							65	3/8	72	5/8
43									66	1/2
44									51	3/8
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2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 94.9 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 698 in. ²		Y _{1 comp} = 5.62 in.			b = 28.875 in.					
I _{comp} = 10402.46 in. ⁴		Y _{b comp} = 6.38 in.			Wt = 94.9 psf		P _i = 70%			
ΦM _n ft-k	280.64	329.28	376.88	423.2	448.4					
Series	1.75C-10810T	1.75C-10812T	1.75C-10814T	1.75C-10816T	1.75C-10816+602T					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	367	3/8	429	7/16						
21	326	3/8	395	1/2	403	9/16				
22	291	3/8	354	1/2	379	5/8				
23	260	3/8	318	1/2	357	5/8				
24	233	3/8	286	9/16	331	11/16	338	13/16		
25	209	7/16	258	9/16	304	11/16	320	7/8		
26	188	3/8	233	9/16	277	3/4	301	7/8	304	1
27	169	3/8	211	9/16	252	3/4	278	15/16	288	1
28	153	3/8	191	9/16	229	3/4	258	15/16	267	1 1/16
29	137	3/8	173	9/16	209	3/4	239	1	249	1 1/16
30	124	5/16	157	9/16	190	3/4	221	1	231	1 1/8
31			143	1/2	174	3/4	200	1	213	1 1/8
32			130	1/2	157	3/4	181	1	194	1 1/8
33			117	7/16	141	3/4	164	1	176	1 1/8
34					126	11/16	148	1	159	1 1/8
35					113	5/8	133	15/16	144	1 1/8
36							120	7/8	130	1 1/16
37							108	7/8	118	1
38							97	13/16	106	1
39									95	15/16
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NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 83.2 psf										
SECTION PROPERTIES										
A = 661.1 in. ²		Y _t = 5.7016 in.			b = 33.0625 in.					
I = 10914.7 in. ⁴		Y _b = 6.2984 in.			Wt = 83.2 psf		P _i = 70%			
ΦM _n ft-k	296.8	353.04	406.32	458.32	486.8					
Series	1.75C-12810	1.75C-12812	1.75C-12814	1.75C-12816	1.75C-12816+602					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	401	5/16	487	3/8	523	7/16	557	1/2	575	9/16
21	358	5/16	438	3/8	478	1/2	509	9/16	525	5/8
22	321	5/16	393	7/16	439	1/2	467	5/8	482	11/16
23	288	3/8	355	7/16	404	9/16	430	5/8	444	11/16
24	260	3/8	321	1/2	373	9/16	397	11/16	410	3/4
25	234	3/8	291	1/2	344	5/8	367	3/4	380	13/16
26	212	3/8	264	1/2	313	5/8	342	3/4	352	13/16
27	192	3/8	240	1/2	286	11/16	318	13/16	328	7/8
28	174	3/8	219	1/2	261	11/16	297	13/16	306	15/16
29	158	3/8	200	1/2	239	11/16	277	7/8	287	15/16
30	144	3/8	183	1/2	220	11/16	256	7/8	268	1
31	131	5/16	167	1/2	202	11/16	236	7/8	252	1
32	119	5/16	153	1/2	185	11/16	217	7/8	232	1
33	108	1/4	140	1/2	171	11/16	201	15/16	214	1
34	98	1/4	128	7/16	157	11/16	185	15/16	197	1
35	89	3/16	118	7/16	145	11/16	171	15/16	182	1 1/16
36	81	1/8	108	3/8	133	5/8	158	7/8	168	1
37			99	5/16	123	5/8	146	7/8	156	1
38			90	1/4	113	9/16	135	13/16	144	1
39			83	3/16	105	1/2	124	13/16	133	1
40					96	7/16	115	3/4	123	15/16
41					89	3/8	106	11/16	114	7/8
42					82	1/4	97	5/8	105	13/16
43					75	3/16	90	9/16	97	3/4
44							82	7/16	89	11/16
45							75	5/16	82	9/16
46								76	7/16	
47								69	5/16	
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2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 108.2 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 803.92 in. ²		Y _{t comp} = 6.511 in.			b = 33.0625 in.					
I _{comp} = 16237.8 in. ⁴		Y _{b comp} = 7.489 in.			Wt = 108.2 psf		P _i = 70%			
ΦM _n ft-k	343.68	404.16	463.92	522.56	554.72					
Series	1.75C-12810T	1.75C-12812T	1.75C-12814T	1.75C-12816T	1.75C-12816+602T					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	456	5/16	530	3/8						
21	406	5/16	491	3/8	497	1/2				
22	362	5/16	440	7/16	468	1/2				
23	325	3/8	396	7/16	441	9/16				
24	292	3/8	357	1/2	417	9/16				
25	262	3/8	323	1/2	383	5/8	395	3/4		
26	236	3/8	292	1/2	348	5/8	375	3/4		
27	213	3/8	265	1/2	316	11/16	357	13/16		
28	193	3/8	241	1/2	289	11/16	335	13/16	340	15/16
29	174	3/8	219	1/2	263	11/16	307	7/8	324	15/16
30	157	3/8	199	1/2	241	11/16	282	7/8	304	1
31	142	5/16	182	1/2	220	11/16	259	7/8	279	1
32	129	5/16	165	1/2	202	11/16	238	7/8	257	1
33	116	1/4	151	1/2	185	11/16	219	15/16	237	1
34			137	7/16	170	11/16	201	15/16	219	1
35			125	7/16	155	11/16	185	15/16	200	1 1/16
36			114	3/8	143	5/8	169	7/8	182	1
37					131	5/8	154	7/8	166	1
38					118	9/16	140	13/16	152	1
39					106	1/2	127	13/16	138	1
40							115	3/4	125	15/16
41							103	11/16	114	7/8
42								103	13/16	
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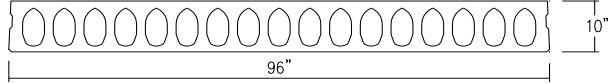
NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 63 psf										
SECTION PROPERTIES										
A = 500.53 in. ²		Y _t = 3.975 in.		b = 30.3125 in.						
I = 3642.7 in. ⁴		Y _b = 4.025 in.		Wt = 63 psf		P _i = 70%				
ΦM _n ft-k	163.36	192.08	219.76	245.84						
Series	2.00C-8810	2.00C-8812	2.00C-8814	2.00C-8816						
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
15	375	3/16	433	1/4	466	5/16	474	3/8		
16	339	1/4	384	1/4	414	3/8	440	3/8		
17	306	1/4	343	5/16	370	3/8	394	7/16		
18	268	1/4	308	5/16	332	3/8	354	1/2		
19	235	1/4	279	5/16	300	7/16	320	1/2		
20	208	1/4	253	3/8	272	7/16	290	9/16		
21	184	1/4	225	3/8	248	7/16	264	9/16		
22	164	1/4	201	3/8	227	1/2	242	9/16		
23	146	1/4	180	3/8	208	1/2	222	5/8		
24	130	3/16	161	5/16	191	1/2	204	5/8		
25	116	1/8	145	5/16	172	7/16	189	5/8		
26	104	1/8	130	1/4	156	7/16	171	5/8		
27			117	1/4	140	7/16	152	9/16		
28			106	3/16	126	3/8	137	9/16		
29			95	1/8	114	5/16	123	1/2		
30					103	1/4	111	1/2		
31					84	3/16	101	7/16		
32							91	5/16		
33							71	1/4		
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2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 88 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 643.38 in. ²		Y _{t comp} = 4.87 in.		b = 30.3125 in.						
I _{comp} = 6440.9 in. ⁴		Y _{b comp} = 5.13 in.		Wt = 88 psf		P _i = 70%				
ΦM _n ft-k	210.56	245.44	278.8	311.04						
Series	2.00C-8810T	2.00C-8812T	2.00C-8814T	2.00C-8816T						
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
15	474	3/16								
16	436	1/4								
17	389	1/4	404	5/16						
18	340	1/4	375	5/16						
19	299	1/4	349	5/16						
20	263	1/4	317	3/8	327	7/16				
21	232	1/4	282	3/8	306	7/16				
22	206	1/4	251	3/8	285	1/2	288	9/16		
23	183	1/4	224	3/8	259	1/2	271	5/8		
24			200	5/16	235	1/2	255	5/8		
25			178	5/16	207	7/16	234	5/8		
26					183	7/16	209	5/8		
27					161	7/16	186	9/16		
28							165	9/16		
29							146	1/2		
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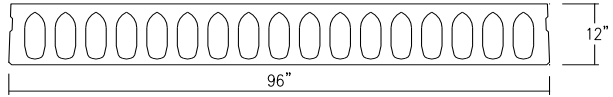
WELLS CONCRETE
BRINGING CONCRETE TO LIFE

10" THICK
2.00" STRAND COVER **3 HR FIRE RATING**



NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 69.9 psf										
SECTION PROPERTIES										
A = 555.2 in. ²		Y ₁ = 4.8083 in.			b = 28.875 in.					
I = 6521.9 in. ⁴		Y _b = 5.1917 in.			Wt = 69.9 psf		P _i = 70%			
ΦM _n ft-k	226.64	267.28	306.96	345.6	366.64					
Series	2.00C-10810	2.00C-10812	2.00C-10814	2.00C-10816	2.00C-10816+602					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	302	5/16	348	3/8	375	1/2	400	9/16	414	5/8
21	269	5/16	317	7/16	342	1/2	365	5/8	377	11/16
22	240	5/16	290	7/16	313	9/16	334	11/16	345	11/16
23	215	5/16	263	7/16	287	9/16	307	11/16	317	3/4
24	193	3/8	238	1/2	265	5/8	283	3/4	292	13/16
25	174	5/16	215	1/2	245	5/8	261	3/4	270	13/16
26	157	5/16	195	1/2	227	5/8	242	13/16	250	7/8
27	142	5/16	177	1/2	211	5/8	224	13/16	232	7/8
28	128	5/16	161	1/2	192	11/16	209	13/16	216	15/16
29	116	1/4	146	1/2	176	11/16	195	13/16	202	15/16
30	105	1/4	133	7/16	161	5/8	182	7/8	188	15/16
31	95	3/16	121	7/16	147	5/8	170	13/16	177	15/16
32	86	1/8	111	3/8	135	5/8	156	13/16	164	15/16
33			101	5/16	124	9/16	143	13/16	149	15/16
34			92	1/4	113	1/2	131	13/16	137	15/16
35			84	3/16	104	1/2	120	3/4	125	7/8
36					96	7/16	110	11/16	115	7/8
37					87	5/16	101	5/8	106	13/16
38					80	1/4	93	9/16	98	3/4
39							85	1/2	90	11/16
40							77	3/8	84	9/16
41							61	1/4	77	7/16
42									61	5/16
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2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 94.9 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 698 in. ²		Y _{1 comp} = 5.62 in.			b = 28.875 in.					
I _{comp} = 10402.46 in. ⁴		Y _{b comp} = 6.38 in.			Wt = 94.9 psf		P _i = 70%			
ΦM _n ft-k	272.8	320	366	410.8	435.12					
Series	2.00C-10810T	2.00C-10812T	2.00C-10814T	2.00C-10816T	2.00C-10816+602T					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	355	5/16	415	3/8						
21	315	5/16	382	7/16	390	1/2				
22	281	5/16	342	7/16	367	9/16				
23	251	5/16	307	7/16	346	9/16				
24	225	3/8	276	1/2	319	5/8	327	3/4		
25	202	5/16	249	1/2	293	5/8	310	3/4		
26	181	5/16	225	1/2	267	5/8	291	13/16	294	7/8
27	163	5/16	203	1/2	242	5/8	268	13/16	279	7/8
28	146	5/16	184	1/2	220	11/16	249	13/16	258	15/16
29	132	1/4	167	1/2	201	11/16	230	13/16	240	15/16
30			151	7/16	183	5/8	211	7/8	222	15/16
31			137	7/16	166	5/8	191	13/16	204	15/16
32			124	3/8	149	5/8	172	13/16	185	15/16
33					133	9/16	155	13/16	167	15/16
34					119	1/2	140	13/16	151	15/16
35							126	3/4	136	7/8
36							113	11/16	123	7/8
37									110	13/16
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NO STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 83.2 psf										
SECTION PROPERTIES										
A = 661.1 in. ²		Y _t = 5.7016 in.			b = 33.0625 in.					
I = 10914.7 in. ⁴		Y _b = 6.2984 in.			Wt = 83.2 psf		P _i = 70%			
ΦM _n ft-k	289.04	343.68	395.2	445.68	473.36					
Series	2.00C-12810	2.00C-12812	2.00C-12814	2.00C-12816	2.00C-12816+602					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	389	1/4	474	3/8	510	7/16	543	1/2	561	1/2
21	347	5/16	424	3/8	466	7/16	496	1/2	512	9/16
22	311	5/16	381	3/8	427	1/2	455	9/16	470	5/8
23	279	5/16	343	7/16	393	1/2	419	5/8	432	11/16
24	251	5/16	310	7/16	364	9/16	387	5/8	399	11/16
25	227	5/16	281	7/16	333	9/16	358	11/16	370	3/4
26	205	5/16	255	7/16	303	9/16	333	11/16	343	3/4
27	185	5/16	232	1/2	276	5/8	309	3/4	320	13/16
28	168	5/16	211	1/2	253	5/8	289	3/4	298	13/16
29	152	5/16	193	1/2	231	5/8	269	3/4	279	7/8
30	138	5/16	176	7/16	212	5/8	247	13/16	261	7/8
31	126	1/4	161	7/16	195	5/8	227	13/16	245	7/8
32	114	1/4	147	7/16	179	5/8	210	13/16	225	15/16
33	103	3/16	135	7/16	164	5/8	193	13/16	208	15/16
34	94	3/16	123	3/8	151	5/8	178	13/16	191	15/16
35	85	1/8	113	5/16	139	9/16	165	13/16	177	15/16
36			103	5/16	128	9/16	152	3/4	163	7/8
37			94	1/4	118	1/2	141	3/4	150	7/8
38			86	3/16	109	7/16	130	11/16	139	7/8
39					100	3/8	120	11/16	128	13/16
40					92	5/16	110	5/8	118	3/4
41					84	1/4	101	9/16	109	11/16
42							93	7/16	101	5/8
43							85	3/8	93	9/16
44							78	1/4	85	1/2
45									78	3/8
46										
47										
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2" BONDED STRUCTURAL TOPPING										
DEAD LOAD WEIGHT OF SLAB = 108.2 psf (TOPPING WEIGHT INCLUDED)										
SECTION PROPERTIES										
A _{comp} = 803.92 in. ²		Y _{t comp} = 6.511 in.			b = 33.0625 in.					
I _{comp} = 16237.8 in. ⁴		Y _{b comp} = 7.489 in.			Wt = 108.2 psf		P _i = 70%			
ΦM _n ft-k	335.76	394.8	452.96	510.16	541.44					
Series	2.00C-12810T	2.00C-12812T	2.00C-12814T	2.00C-12816T	2.00C-12816+602T					
Span (feet)	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT									
	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber	Load	Erection Camber
20	443	1/4	516	3/8						
21	394	5/16	478	3/8	484	7/16				
22	352	5/16	428	3/8	455	1/2				
23	315	5/16	385	7/16	430	1/2				
24	283	5/16	347	7/16	406	9/16				
25	254	5/16	313	7/16	372	9/16	385	11/16		
26	229	5/16	284	7/16	337	9/16	365	11/16		
27	207	5/16	257	1/2	307	5/8	347	3/4		
28	186	5/16	233	1/2	280	5/8	325	3/4	330	13/16
29	168	5/16	212	1/2	255	5/8	298	3/4	315	7/8
30	152	5/16	193	7/16	233	5/8	273	13/16	295	7/8
31	137	1/4	176	7/16	213	5/8	250	13/16	271	7/8
32	124	1/4	160	7/16	195	5/8	230	13/16	249	15/16
33			145	7/16	179	5/8	212	13/16	229	15/16
34			132	3/8	164	5/8	195	13/16	211	15/16
35			120	5/16	150	9/16	179	13/16	192	15/16
36					137	9/16	163	3/4	175	7/8
37					125	1/2	147	3/4	159	7/8
38							134	11/16	145	7/8
39							121	11/16	132	13/16
40							109	5/8	119	3/4
41									108	11/16
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