

8' WIDE HOLLOWCORE SPANCRETE PLANK LOAD TABLES & GUIDE SPECIFICATION

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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TABLE OF CONTENTS

6" X 96" STANDARD HOLLOWCORE	3-12
8" X 96" STANDARD HOLLOWCORE	13-22
8" X 96" ULTRALIGHT HOLLOWCORE	23-32
10" X 96" STANDARD HOLLOWCORE	33-42
10" X 96" ULTRALIGHT HOLLOWCORE	43-52
12" X 96" STANDARD HOLLOWCORE	53-62
12" X 96" ULTRALIGHT HOLLOWCORE	63-72
GUIDE SPECIFICATION (LONG VERSION)	73-76
GUIDE SPECIFICATION (SHORT VERSION)	77

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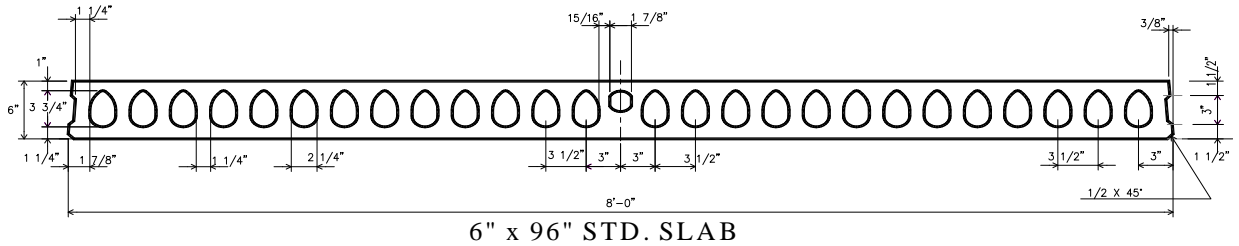
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STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 49 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 74 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 394 in ² Y _t = 3.014 in b = 35.63 in I = 1563 in ⁴ Y _b = 2.986 in wt = 49 psf								A = 576.6 in ² Y _t = 3.743 in b = 35.63 in I = 3634 in ⁴ Y _b = 4.257 in wt = 74 psf							
ΦMn ft-k/ft	10.28	13.29	16.16	18.83	21.29	21.34		ΦMn ft-k/ft	14.81	19.20	23.38	27.38	31.14	34.65	
Series	1.00D-6806	1.00D-6808	1.00D-6810	1.00D-6812	1.00D-6814	1.00D-6816		Series	1.00D-6806T2	1.00D-6808T2	1.00D-6810T2	1.00D-6812T2	1.00D-6814T2	1.00D-6816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	157	213	264	286	307	244		16	222	303	362	362	362	348	
17	141	193	236	257	275	247		17	200	275	335	335	335	335	
18	122	168	212	231	247	228		18	173	240	305	312	312	312	
19	105	147	186	209	224	237		19	149	210	266	291	291	291	
20	92	129	164	189	204	216		20	129	184	230	271	272	272	
21	80	114	145	168	186	197		21	112	157	198	236	255	255	
22	69	100	128	149	168	181		22	91	133	171	206	238	240	
23	60	89	113	133	150	165		23	73	113	147	179	209	226	
24	52	78	101	118	135	148		24	57	94	126	156	183	208	
25	45	69	89	106	121	134		25	43	78	108	135	161	184	
26	39	61	79	95	109	121		26	31	63	91	117	141	162	
27	34	54	70	85	98	109		27	20	50	77	101	123	143	
28	29	48	62	76	88	99		28		38	64	86	107	126	
29		41	55	68	79	90		29			52	73	93	111	
30		36	49	60	71	81		30			41	61	80	97	
31			43	54	64	74		31				51	68	84	
32				48	58	67		32				41	57	73	
33				43	52	60		33					48	62	
34					46	54		34						53	
35						49		35							
36						44		36							
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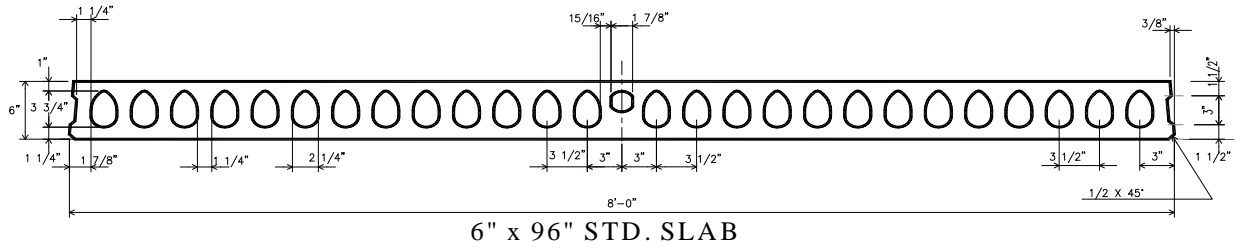


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.00" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 87 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 99 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 667.9 in ² Y _t = 4.163 in b = 35.63 in I = 5060 in ⁴ Y _b = 4.837 in wt = 87 psf								A = 759.1 in ² Y _t = 4.602 in b = 35.63 in I = 6814 in ⁴ Y _b = 5.398 in wt = 99 psf							
ΦMn ft-k/ft	17.13	22.37	27.29	32.03	36.58	40.89		ΦMn ft-k/ft	19.45	25.55	31.23	36.71	42.01	47.11	
Series	1.00D-6806T3	1.00D-6808T3	1.00D-6810T3	1.00D-6812T3	1.00D-6814T3	1.00D-6816T3		Series	1.00D-6806T4	1.00D-6808T4	1.00D-6810T4	1.00D-6812T4	1.00D-6814T4	1.00D-6816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	256	350	420	420	420	403		16	291	398	480	480	480	458	
17	231	318	389	389	389	389		17	262	362	443	443	443	443	
18	199	280	356	361	361	361		18	226	319	401	411	411	411	
19	172	242	303	336	336	336		19	182	264	338	383	383	383	
20	141	203	258	310	315	315		20	141	216	284	346	358	358	
21	112	169	220	266	295	295		21	105	176	237	294	336	336	
22	87	140	186	229	269	277		22	75	140	197	249	297	315	
23	65	114	157	197	233	261		23	48	109	161	210	254	295	
24	45	91	131	168	202	233		24	24	80	131	175	217	255	
25	28	71	109	143	174	203		25		55	103	145	183	219	
26		52	89	120	150	177		26		33	79	118	154	187	
27		36	71	101	128	153		27			57	94	127	158	
28		21	55	83	108	132		28			36	72	104	133	
29			40	67	91	113		29				53	83	110	
30				52	75	96		30				35	64	89	
31				39	61	81		31					46	71	
32					48	67		32					31	54	
33					36	54		33						39	
34						42		34							
35								35							
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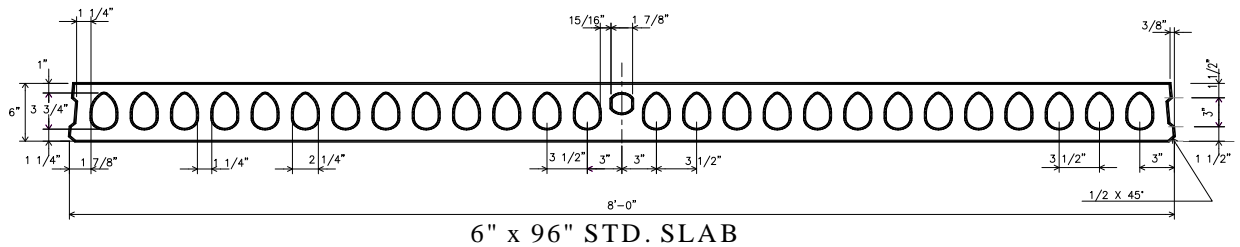
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.25" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 49 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 74 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 394 in ² Y _t = 3.014 in b = 35.63 in I = 1563 in ⁴ Y _b = 2.986 in wt = 49 psf								A = 576.6 in ² Y _t = 3.743 in b = 35.63 in I = 3634 in ⁴ Y _b = 4.257 in wt = 74 psf							
ΦMn ft-k/ft	9.69	12.51	15.18	17.65	19.71	19.27		ΦMn ft-k/ft	14.23	18.41	22.41	26.21	29.77	33.08	
Series	1.25D-6806	1.25D-6808	1.25D-6810	1.25D-6812	1.25D-6814	1.25D-6816		Series	1.25D-6806T2	1.25D-6808T2	1.25D-6810T2	1.25D-6812T2	1.25D-6814T2	1.25D-6816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	147	200	250	276	296	315		16	212	291	345	345	345	345	
17	131	180	226	247	265	282		17	190	263	320	320	320	320	
18	113	156	197	223	239	254		18	164	228	287	297	297	297	
19	97	136	173	201	217	229		19	141	199	246	277	277	277	
20	84	119	153	177	196	204		20	122	169	211	251	259	259	
21	73	105	135	157	177	181		21	100	143	181	218	243	243	
22	63	92	119	139	158	162		22	80	120	155	189	220	229	
23	55	81	105	123	141	145		23	63	100	133	163	192	215	
24	47	72	93	110	126	130		24	48	83	113	141	167	192	
25	41	63	82	98	112	117		25	35	67	95	121	146	168	
26	35	56	72	87	101	106		26	23	53	80	104	127	148	
27	30	49	64	77	90	95		27		40	66	88	110	129	
28		43	56	69	81	86		28			53	74	94	113	
29		36	49	61	72	78		29			42	62	81	98	
30			43	54	65	70		30				51	68	85	
31				48	58	63		31				40	57	73	
32					52	57		32					47	62	
33						51		33						52	
34						46		34							
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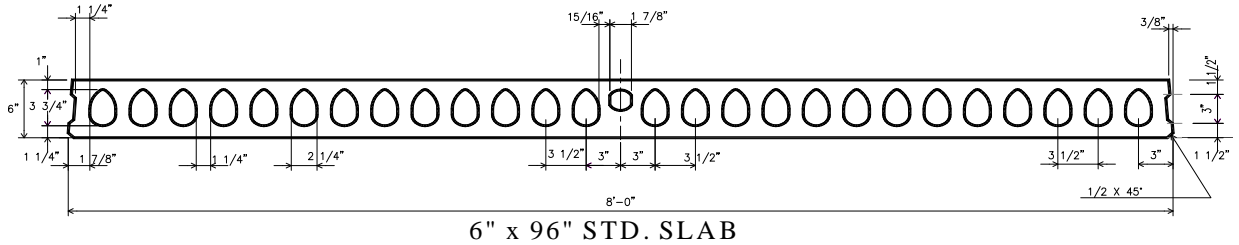
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.25" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 87 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 99 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 667.9 in ² Y _t = 4.163 in b = 35.63 in I = 5060 in ⁴ Y _b = 4.837 in wt = 87 psf								A = 759.1 in ² Y _t = 4.602 in b = 35.63 in I = 6814 in ⁴ Y _b = 5.398 in wt = 99 psf							
ΦMn ft-k/ft	16.55	21.57	26.31	30.87	35.22	39.32		ΦMn ft-k/ft	18.87	24.76	30.24	35.54	40.65	45.55	
Series	1.25D-6806T3	1.25D-6808T3	1.25D-6810T3	1.25D-6812T3	1.25D-6814T3	1.25D-6816T3		Series	1.25D-6806T4	1.25D-6808T4	1.25D-6810T4	1.25D-6812T4	1.25D-6814T4	1.25D-6816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	246	339	403	403	403	403		16	281	387	462	462	462	462	
17	221	307	373	373	373	373		17	252	351	427	427	427	427	
18	190	264	328	346	346	346		18	205	290	368	396	396	396	
19	157	221	278	322	322	322		19	160	237	307	369	369	369	
20	125	183	235	285	301	301		20	121	192	256	315	345	345	
21	97	151	199	243	283	283		21	87	154	211	266	316	323	
22	73	123	167	208	246	266		22	58	119	173	223	269	303	
23	52	99	139	177	212	245		23	33	89	139	185	228	268	
24	34	76	115	149	182	212		24		62	110	152	192	229	
25		57	93	125	156	184		25		38	84	123	160	194	
26		39	74	104	132	158		26			61	97	132	164	
27		24	57	85	111	136		27			39	74	106	136	
28			41	68	92	115		28				54	84	112	
29				53	76	97		29				35	64	90	
30				39	61	81		30					45	70	
31					47	66		31						52	
32						53		32							
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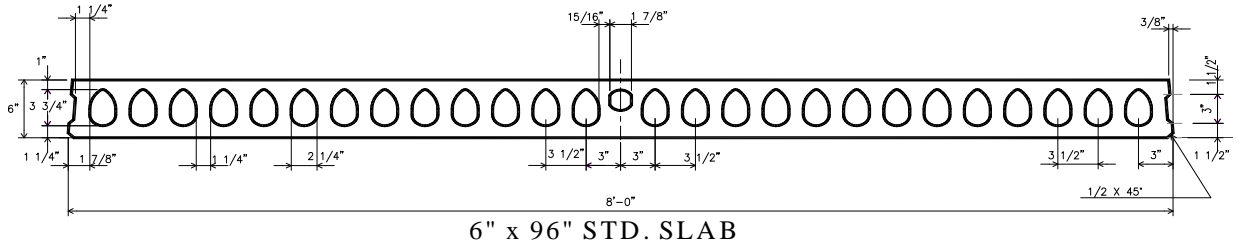


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.50" COVER – 270K STRAND



	NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 49 PSF							2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 74 PSF						
	SECTION PROPERTIES							SECTION PROPERTIES						
	A = 394 in ² Y _t = 3.014 in b = 35.63 in I = 1563 in ⁴ Y _b = 2.986 in wt = 49 psf							A = 576.6 in ² Y _t = 3.743 in b = 35.63 in I = 3634 in ⁴ Y _b = 4.257 in wt = 74 psf						
ΦMn ft-k/ft	9.10	11.74	14.21	16.48	17.66	17.30		ΦMn ft-k/ft	13.63	17.62	21.44	25.04	28.40	31.51
Series	1.50D-6806	1.50D-6808	1.50D-6810	1.50D-6812	1.50D-6814	1.50D-6816		Series	1.50D-6806T2	1.50D-6808T2	1.50D-6810T2	1.50D-6812T2	1.50D-6814T2	1.50D-6816T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT					
15								15						
16	136	187	234	258	284	300		16	202	278	339	339	339	339
17	120	166	209	235	255	262		17	180	249	309	314	314	314
18	103	144	182	214	230	230		18	155	215	264	291	291	291
19	89	126	160	187	207	203		19	133	182	225	266	272	272
20	77	110	141	164	184	179		20	109	153	192	229	254	254
21	66	96	124	145	163	159		21	88	128	164	198	230	238
22	57	84	109	128	145	142		22	69	106	139	170	200	224
23	49	74	96	113	130	126		23	53	87	117	146	173	198
24	42	65	84	100	115	113		24	39	70	99	125	150	173
25	36	57	74	89	103	101		25	26	55	82	106	129	151
26	30	50	65	79	92	91		26		42	67	90	111	131
27		44	57	70	82	82		27			54	75	95	114
28			50	62	73	73		28			42	62	81	98
29				54	65	66		29				50	68	84
30					58	59		30					56	71
31						53		31						
32						47		32						
33								33						
34								34						
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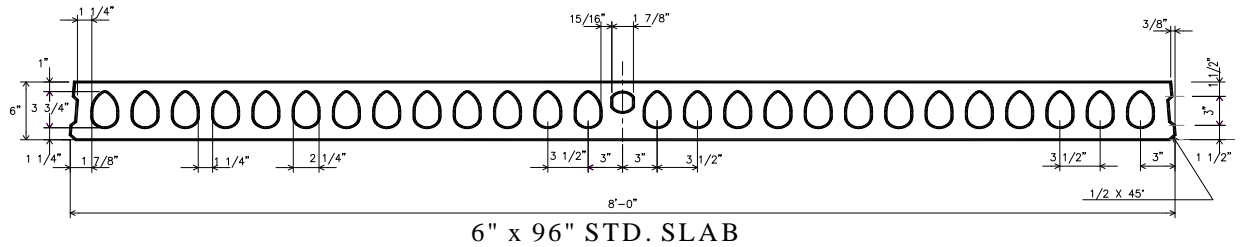


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1-1/2" – 2" CAMBER

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6" THICK SPANCRETE® 1.50" COVER – 270K STRAND





3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 87 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 99 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 667.9 in ²				Y _t = 4.163 in				A = 759.1 in ²				Y _t = 4.602 in			
I = 5060 in ⁴				Y _b = 4.837 in				I = 6814 in ⁴				Y _b = 5.398 in			
b = 35.63 in				wt = 87 psf				b = 35.63 in				wt = 99 psf			
ΦMn ft-k/ft	15.97	20.78	25.33	29.70	33.85	37.76		ΦMn ft-k/ft	18.29	23.96	29.25	34.37	39.29	43.99	
Series	1.50D-6806T3	1.50D-6808T3	1.50D-6810T3	1.50D-6812T3	1.50D-6814T3	1.50D-6816T3		Series	1.50D-6806T4	1.50D-6808T4	1.50D-6810T4	1.50D-6812T4	1.50D-6814T4	1.50D-6816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	236	326	386	386	386	386		16	271	374	445	445	445	445	
17	211	289	356	357	357	357		17	232	320	400	411	411	411	
18	175	240	299	331	331	331		18	181	260	332	381	381	381	
19	139	198	252	303	309	309		19	138	210	275	337	355	355	
20	109	163	211	258	288	288		20	101	167	226	282	331	331	
21	83	132	177	219	258	270		21	70	130	184	235	283	310	
22	60	106	146	185	221	254		22	42	98	148	194	238	280	
23	40	82	120	155	189	220		23		69	116	159	199	237	
24	23	61	97	129	160	189		24		44	88	128	165	200	
25		43	76	107	135	162		25		22	63	100	135	167	
26		27	58	86	113	138		26			42	76	108	138	
27			42	68	93	116		27				54	84	112	
28				52	75	97		28				34	63	89	
29					59	80		29					43	68	
30						64		30						50	
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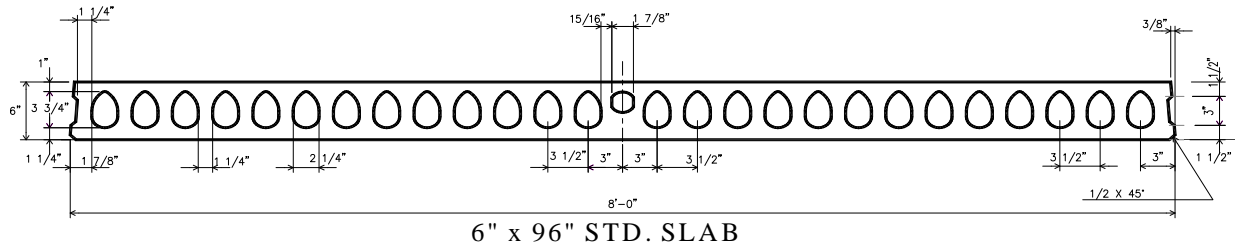


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 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.75" COVER – 270K STRAND





	NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 49 PSF							2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 74 PSF						
	SECTION PROPERTIES							SECTION PROPERTIES						
	A = 394 in ² Y _t = 3.014 in b = 35.63 in I = 1563 in ⁴ Y _b = 2.986 in wt = 49 psf							A = 576.6 in ² Y _t = 3.743 in b = 35.63 in I = 3634 in ⁴ Y _b = 4.257 in wt = 74 psf						
ΦMn ft-k/ft	8.51	10.96	13.24	15.31	15.71	15.43		ΦMn ft-k/ft	13.03	16.84	20.46	23.87	27.03	29.47
Series	1.75D-6806	1.75D-6808	1.75D-6810	1.75D-6812	1.75D-6814	1.75D-6816		Series	1.75D-6806T2	1.75D-6808T2	1.75D-6810T2	1.75D-6812T2	1.75D-6814T2	1.75D-6816T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT					
15								15						
16	126	174	218	240	267	264		16	192	265	331	339	339	339
17	110	153	192	218	235	230		17	170	233	282	314	314	314
18	94	132	167	197	205	201		18	145	195	239	282	291	291
19	81	115	146	172	181	177		19	119	163	203	241	272	272
20	69	100	128	151	159	156		20	96	136	172	206	239	254
21	59	87	113	132	141	138		21	76	112	145	177	206	235
22	51	76	99	116	125	122		22	58	92	122	151	178	204
23	43	67	87	103	111	109		23	43	74	102	128	153	177
24	37	58	76	90	99	97		24	30	58	84	108	131	153
25	31	51	66	80	89	86		25		44	68	91	112	132
26		44	58	70	79	77		26			54	75	95	114
27			50	62	71	69		27				61	80	97
28					63	61		28					66	83
29						55		29						69
30						49		30						
31								31						
32								32						
33								33						
34								34						
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Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.

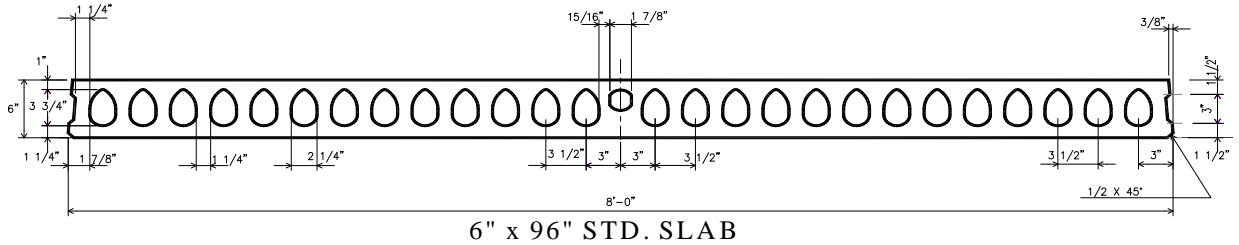


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 1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 1.75" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 87 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 99 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 667.9 in ² Y _t = 4.163 in b = 35.63 in I = 5060 in ⁴ Y _b = 4.837 in wt = 87 psf								A = 759.1 in ² Y _t = 4.602 in b = 35.63 in I = 6814 in ⁴ Y _b = 5.398 in wt = 99 psf							
ΦMn ft-k/ft	15.39	19.98	24.35	28.54	32.49	36.19		ΦMn ft-k/ft	17.71	23.16	28.27	33.19	37.93	42.43	
Series	1.75D-6806T3	1.75D-6808T3	1.75D-6810T3	1.75D-6812T3	1.75D-6814T3	1.75D-6816T3		Series	1.75D-6806T4	1.75D-6808T4	1.75D-6810T4	1.75D-6812T4	1.75D-6814T4	1.75D-6816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	226	313	382	383	383	383		16	260	352	428	428	428	428	
17	195	261	322	354	354	354		17	205	285	359	395	395	395	
18	155	214	269	321	328	328		18	157	229	296	359	366	366	
19	121	175	225	271	306	306		19	116	182	242	299	341	341	
20	93	142	186	229	269	286		20	82	142	196	247	296	318	
21	68	113	154	192	229	264		21	52	107	156	203	248	290	
22	47	88	125	161	194	226		22	26	76	122	165	205	244	
23	28	66	100	133	164	193		23		49	92	131	169	204	
24		46	79	109	137	164		24		26	66	102	137	169	
25		29	59	87	114	138		25			43	76	108	138	
26			42	68	93	116		26				53	83	111	
27				51	74	96		27					60	87	
28					57	78		28						65	
29								29							
30								30							
31								31							
32								32							
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Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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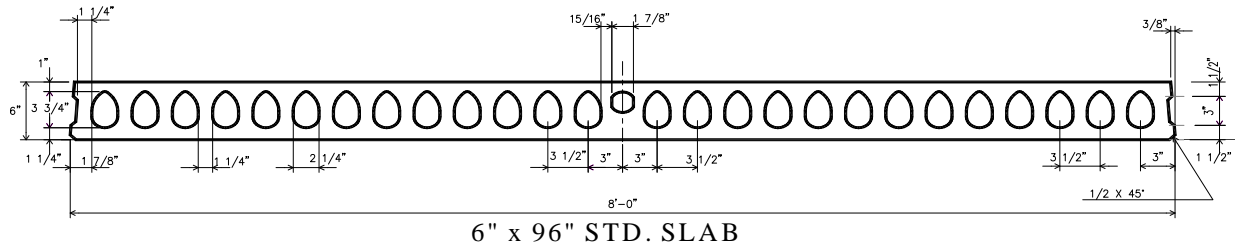
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 2.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 49 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 74 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 394 in ² Y _t = 3.014 in b = 35.63 in I = 1563 in ⁴ Y _b = 2.986 in wt = 49 psf								A = 576.6 in ² Y _t = 3.743 in b = 35.63 in I = 3634 in ⁴ Y _b = 4.257 in wt = 74 psf							
ΦMn ft-k/ft	7.92	10.19	12.26	13.72	13.86	13.66		ΦMn ft-k/ft	12.43	16.05	19.50	22.70	25.66	27.13	
Series	2.00D-6806	2.00D-6808	2.00D-6810	2.00D-6812	2.00D-6814	2.00D-6816		Series	2.00D-6806T2	2.00D-6808T2	2.00D-6810T2	2.00D-6812T2	2.00D-6814T2	2.00D-6816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	116	160	201	222	234	230		16	181	251	302	339	339	339	
17	100	139	175	200	203	199		17	159	209	254	297	314	314	
18	85	120	152	175	177	174		18	131	174	214	252	289	291	
19	73	104	133	153	155	152		19	105	144	180	215	248	272	
20	62	90	116	135	136	134		20	83	118	151	182	212	241	
21	53	79	102	119	120	118		21	64	96	126	154	182	208	
22	45	68	88	104	106	104		22	47	77	104	130	155	179	
23	38	59	77	91	94	92		23	33	61	85	109	132	154	
24		51	67	80	83	82		24		46	69	91	112	132	
25		45	58	70	74	72		25			54	75	94	112	
26			50	61	66	64		26				60	78	95	
27					58	57		27						80	
28						50		28							
29								29							
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Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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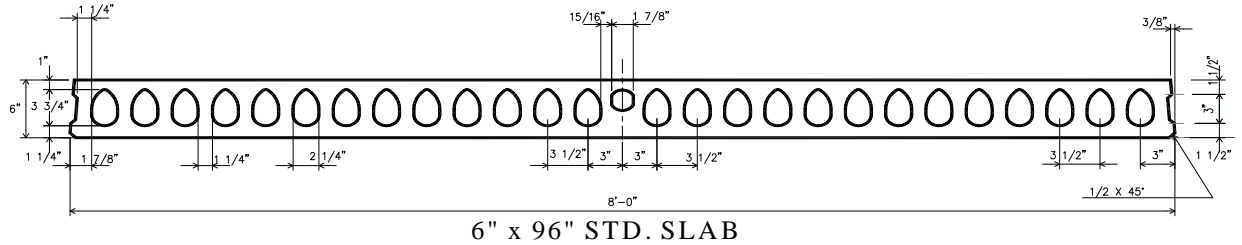


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

6" THICK SPANCRETE® 2.00" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 87 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 99 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 667.9 in ² Y _t = 4.163 in b = 35.63 in I = 5060 in ⁴ Y _b = 4.837 in wt = 87 psf								A = 759.1 in ² Y _t = 4.602 in b = 35.63 in I = 6814 in ⁴ Y _b = 5.398 in wt = 99 psf							
ΦMn ft-k/ft	14.81	19.19	23.38	27.37	31.12	34.62		ΦMn ft-k/ft	17.13	22.36	27.28	32.02	36.57	40.86	
Series	2.00D-6806T3	2.00D-6808T3	2.00D-6810T3	2.00D-6812T3	2.00D-6814T3	2.00D-6816T3		Series	2.00D-6806T4	2.00D-6808T4	2.00D-6810T4	2.00D-6812T4	2.00D-6814T4	2.00D-6816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	215	283	346	383	383	383		16	232	312	388	428	428	428	
17	172	232	287	340	354	354		17	178	250	317	381	395	395	
18	135	188	238	285	328	328		18	133	198	257	315	366	366	
19	103	152	196	239	279	306		19	95	153	207	259	308	341	
20	76	120	160	199	236	271		20	62	115	164	211	25	298	
21	53	93	130	165	198	230		21	34	83	127	170	210	249	
22	33	70	103	135	166	195		22		54	95	134	171	206	
23		49	80	110	138	164		23		29	67	103	137	169	
24		31	60	87	113	137		24			43	75	107	137	
25				67	91	114		25				51	80	108	
26					71	93		26						82	
27								27							
28								28							
29								29							
30								30							
31								31							
32								32							
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38								38							
39								39							
40								40							
41								41							
42								42							
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46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.

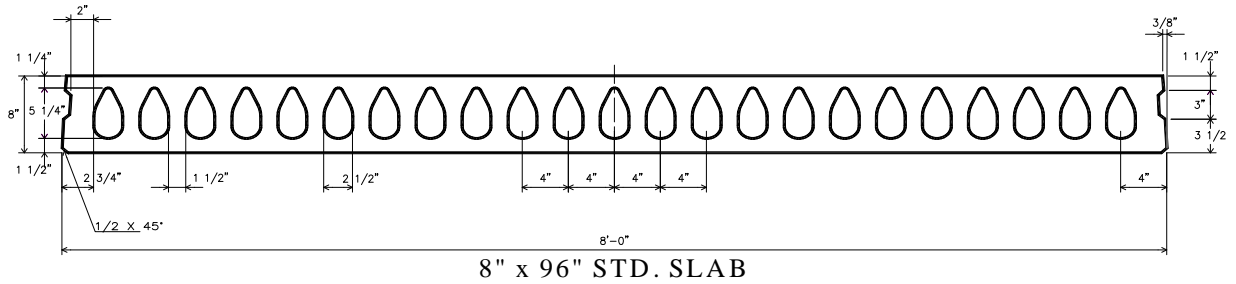


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 66 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 91 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 530.9 in ² Y _t = 3.943 in b = 38.5 in I = 3679 in ⁴ Y _b = 4.057 in wt = 66 psf								A = 713.5 in ² Y _t = 4.678 in b = 38.5 in I = 7059 in ⁴ Y _b = 5.322 in wt = 91 psf							
ΦMn ft-k/ft	14.98	19.60	23.95	28.16	32.16	35.87	39.28	ΦMn ft-k/ft	19.45	25.55	31.23	36.72	42.01	47.12	52.02
Series	1.00D-8806	1.00D-8808	1.00D-8810	1.00D-8812	1.00D-8814	1.00D-8816	1.00D-8818	Series	1.00D-8806T2	1.00D-8808T2	1.00D-8810T2	1.00D-8812T2	1.00D-8814T2	1.00D-8816T2	1.00D-8818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	231	314	394	436	477	496	511	16	114	405	486	486	486	486	486
17	209	286	359	398	430	457	480	17	100	368	449	449	449	449	449
18	181	253	320	362	388	412	434	18	82	326	413	417	417	417	417
19	158	222	282	329	352	373	393	19	201	285	364	389	389	389	389
20	137	195	249	300	320	339	357	20	175	251	322	364	364	364	364
21	120	172	222	269	293	310	326	21	152	221	285	341	341	341	341
22	105	153	198	241	270	284	299	22	132	195	254	311	321	321	321
23	92	135	177	216	244	262	276	23	115	173	227	278	303	303	303
24	80	120	158	194	220	243	255	24	100	153	202	250	286	286	286
25	70	107	142	174	198	220	236	25	87	136	181	222	257	271	271
26	61	95	127	157	179	199	218	26	75	120	161	196	229	257	257
27	53	85	114	141	162	181	198	27	65	104	141	173	204	232	244
28	46	75	103	127	147	164	181	28	51	87	123	153	182	208	232
29	39	67	93	115	133	150	165	29	38	72	106	135	161	186	209
30	33	59	83	104	121	136	151	30	27	59	91	118	143	167	189
31	28	52	75	93	109	124	138	31		47	76	103	127	149	170
32		46	67	84	99	113	126	32		36	63	90	112	133	153
33		40	60	76	90	103	115	33		52	77	99	118	137	157
34		35	53	68	81	94	106	34		41	66	86	105	123	143
35			46	61	74	86	97	35			55	75	93	110	129
36			40	55	67	78	89	36			44	65	82	98	116
37				49	60	71	81	37			35	55	71	87	104
38					54	64	74	38				46	62	77	94
39					49	58	68	39					53	67	83
40						53	62	40					45	58	73
41						48	56	41						50	65
42							51	42							60
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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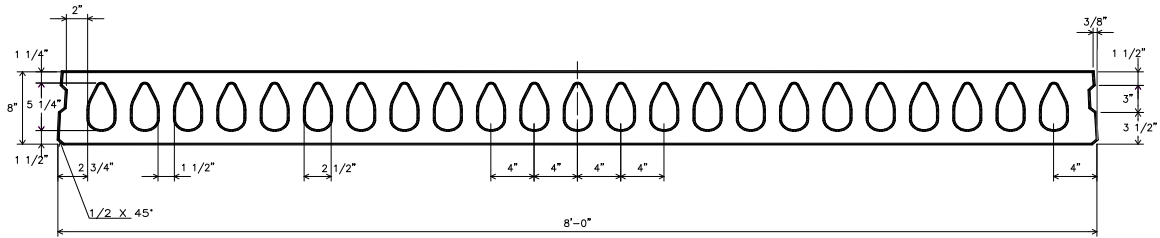


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.00" COVER – 270K STRAND



8" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 104 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 116 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 804.8 in ² I = 9237 in ⁴ Y _t = 5.091 in Y _b = 5.909 in b = 38.5 in wt = 104 psf								A = 896.1 in ² I = 11,807 in ⁴ Y _t = 5.521 in Y _b = 6.479 in b = 38.5 in wt = 116 psf							
ΦMn ft-k/ft	21.78	28.64	35.20	41.42	47.46	53.32	58.98	ΦMn ft-k/ft	24.10	31.74	39.19	46.16	52.95	59.54	65.97
Series	1.00D-6806T3	1.00D-6808T3	1.00D-6810T3	1.00D-6812T3	1.00D-6814T3	1.00D-6816T3	1.00D-6818T3	Series	1.00D-8806T4	1.00D-8808T4	1.00D-8810T4	1.00D-8812T4	1.00D-8814T4	1.00D-8816T4	1.00D-8818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	127	453	547	547	547	547	547	16	139	502	610	610	610	610	610
17	110	412	505	505	505	505	505	17	121	456	563	563	563	563	563
18	90	364	465	469	469	469	469	18	285	403	517	522	522	522	522
19	224	319	409	437	437	437	437	19	247	352	455	486	486	486	486
20	194	280	362	408	408	408	408	20	214	309	402	454	454	454	454
21	169	247	321	383	383	383	383	21	186	273	357	425	425	425	425
22	147	218	286	350	360	360	360	22	162	241	317	389	400	400	400
23	128	193	255	313	339	339	339	23	141	213	282	343	376	376	376
24	111	171	227	276	320	320	320	24	111	179	242	298	351	355	355
25	94	148	197	242	283	303	303	25	84	147	207	259	308	336	336
26	73	123	170	212	250	286	287	26	60	118	175	224	269	311	318
27	55	101	146	185	221	254	273	27	39	93	147	192	235	274	302
28	38	81	124	161	195	226	255	28		70	120	164	204	241	276
29	24	64	104	139	171	201	228	29		49	96	139	177	212	244
30		48	85	120	150	178	203	30		31	74	117	152	185	215
31		33	68	102	130	157	181	31			55	96	129	160	189
32		20	53	86	113	138	161	32			37	75	109	138	166
33			39	70	97	121	143	33			21	57	90	118	144
34			27	56	82	105	126	34				40	73	100	125
35				43	69	90	110	35				25	57	83	107
36				31	57	77	96	36					41	68	90
37					44	65	83	37					26	54	75
38						54	71	38						40	61
39						44	60	39							48
40							50	40							37
41							41	41							
42								42							
43								43							
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46								46							

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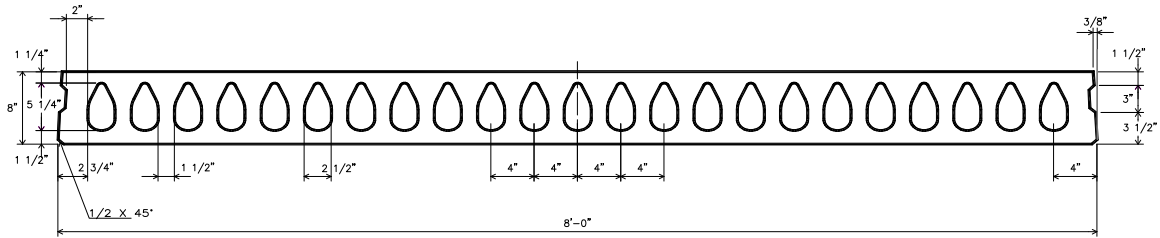


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1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.25" COVER – 270K STRAND



8" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 66 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 91 PSF							
SECTION PROPERTIES A = 530.9 in ² Y _t = 3.943 in b = 38.5 in I = 3679 in ⁴ Y _b = 4.057 in wt = 66 psf								SECTION PROPERTIES A = 713.5 in ² Y _t = 4.678 in b = 38.5 in I = 7059 in ⁴ Y _b = 5.322 in wt = 91 psf							
ΦMn ft-k/ft	14.40	18.81	22.97	26.99	30.80	34.31	37.16	ΦMn ft-k/ft	18.87	24.76	30.24	35.54	40.66	45.56	50.27
Series	1.25D-8806	1.25D-8808	1.25D-8810	1.25D-8812	1.25D-8814	1.25D-8816	1.25D-8818	Series	1.25D-8806T2	1.25D-8808T2	1.25D-8810T2	1.25D-8812T2	1.25D-8814T2	1.25D-8816T2	1.25D-8818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	221	302	379	420	461	480	495	16	109	393	468	468	468	468	468
17	199	274	345	383	414	441	464	17	95	357	433	433	433	433	433
18	172	240	305	348	373	397	419	18	77	313	398	402	402	402	402
19	150	211	268	316	338	359	379	19	193	274	350	375	375	375	375
20	130	185	237	287	307	327	345	20	167	241	309	351	351	351	351
21	113	163	211	256	281	299	315	21	145	212	274	329	329	329	329
22	99	144	187	229	258	273	288	22	126	187	244	298	309	309	309
23	86	128	167	205	234	252	266	23	110	165	217	267	291	291	291
24	75	113	150	184	211	233	245	24	95	146	194	238	275	275	275
25	65	101	134	166	190	211	227	25	82	130	173	210	244	261	261
26	57	89	120	150	171	191	210	26	71	113	151	185	217	246	247
27	49	79	108	134	154	173	191	27	58	95	131	163	192	220	234
28	42	70	97	121	140	157	173	28	45	79	114	143	171	197	221
29	36	62	87	109	126	143	158	29	33	65	97	125	151	176	199
30	30	55	78	98	114	130	144	30	22	52	82	109	134	157	178
31	25	48	70	88	103	118	131	31		40	68	95	118	139	160
32		42	62	79	93	107	120	32		29	56	81	103	124	143
33		37	55	71	84	97	110	33			44	69	90	110	128
34			48	63	76	89	100	34				58	78	97	114
35			42	56	69	80	91	35				47	67	85	101
36				50	62	73	83	36					57	74	89
37					55	66	76	37					48	64	79
38					50	60	69	38						54	69
39						54	63	39							60
40							57	40							
41							52	41							
42								42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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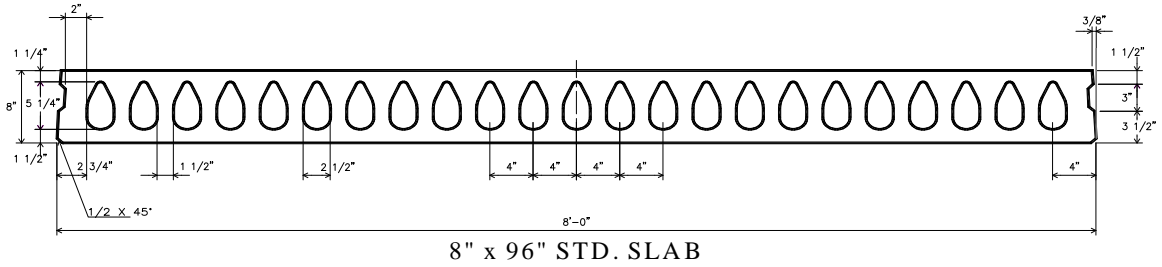
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.25" COVER – 270K STRAND





3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 104 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 116 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
$A = 804.8 \text{ in}^2$ $Y_t = 5.091 \text{ in}$ $b = 38.5 \text{ in}$ $I = 9237 \text{ in}^4$ $Y_b = 5.909 \text{ in}$ $\text{wt} = 104 \text{ psf}$								$A = 896.1 \text{ in}^2$ $Y_t = 5.521 \text{ in}$ $b = 38.5 \text{ in}$ $I = 11,807 \text{ in}^4$ $Y_b = 6.479 \text{ in}$ $\text{wt} = 116 \text{ psf}$							
ΦMn ft-k/ft	21.20	27.87	34.20	40.24	46.10	51.77	57.23	ΦMn ft-k/ft	23.52	30.97	38.19	44.97	51.57	57.99	64.22
Series	1.25D-8806T3	1.25D-8808T3	1.25D-8810T3	1.25D-8812T3	1.25D-8814T3	1.25D-8816T3	1.25D-8818T3	Series	1.25D-8806T4	1.25D-8808T4	1.25D-8810T4	1.25D-8812T4	1.25D-8814T4	1.25D-8816T4	1.25D-8818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	122	441	529	529	529	529	529	16	134	490	592	592	592	592	592
17	105	401	489	489	489	489	489	17	116	445	546	546	546	546	546
18	249	352	450	454	454	454	454	18	276	391	502	506	506	506	506
19	216	308	396	423	423	423	423	19	238	342	441	471	471	471	471
20	187	270	349	395	395	395	395	20	207	300	390	440	440	440	440
21	162	238	310	370	370	370	370	21	179	264	345	412	412	412	412
22	141	210	275	338	348	348	348	22	156	233	307	373	387	387	387
23	122	186	245	298	328	328	328	23	129	200	265	324	365	365	365
24	106	162	214	260	304	309	309	24	100	164	226	280	331	344	344
25	85	136	184	227	268	293	293	25	73	133	191	242	289	325	325
26	65	112	158	198	236	271	277	26	50	105	160	207	252	293	308
27	47	91	134	172	207	240	263	27	30	81	132	177	218	257	292
28	31	72	112	149	181	212	241	28		59	106	150	189	225	259
29		55	93	128	158	188	215	29		39	83	125	162	196	228
30		39	75	109	138	165	191	30		21	62	103	138	170	200
31		26	59	92	119	145	169	31			43	82	116	146	175
32			44	75	102	126	149	32			26	63	96	125	152
33			31	60	87	110	131	33				45	78	105	131
34				46	72	94	115	34				29	61	87	112
35				34	59	80	100	35					44	71	94
36					47	67	86	36						56	78
37						56	74	37						42	63
38						45	62	38							50
39							51	39							
40								40							
41								41							
42								42							
43								43							
44								44							
45								45							
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Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.

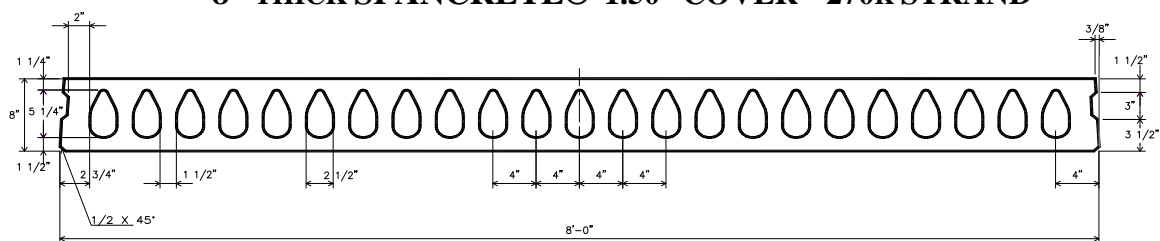


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 1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.50" COVER – 270K STRAND



8" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 66 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 91 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 530.9 in ²				Y _t = 3.943 in				A = 713.5 in ²				Y _t = 4.678 in			
I = 3679 in ⁴				Y _b = 4.057 in				I = 7059 in ⁴				Y _b = 5.322 in			
b = 38.5 in				wt = 66 psf				b = 38.5 in				wt = 91 psf			
ΦMn ft-k/ft	13.82	18.09	21.99	25.82	29.44	32.75	34.50	ΦMn ft-k/ft	18.29	23.96	29.26	34.37	39.30	44.01	48.52
Series	1.50D-8806	1.50D-8808	1.50D-8810	1.50D-8812	1.50D-8814	1.50D-8816	1.50D-8818	Series	1.50D-8806T2	1.50D-8808T2	1.50D-8810T2	1.50D-8812T2	1.50D-8814T2	1.50D-8816T2	1.50D-8818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	81	289	363	404	443	463	478	16	104	381	451	451	451	451	451
17	70	262	331	367	401	428	448	17	90	345	417	417	417	417	417
18	57	228	289	336	361	385	407	18	214	301	383	387	387	387	387
19	46	200	255	305	328	348	368	19	185	263	337	361	361	361	361
20	37	175	225	273	297	316	334	20	160	231	297	337	337	337	337
21	29	154	199	243	272	289	305	21	139	203	263	316	316	316	316
22	22	136	177	217	250	266	279	22	120	179	234	286	297	297	297
23		120	158	194	224	244	257	23	104	158	208	255	280	280	280
24		107	141	174	201	224	238	24	90	139	185	224	260	265	265
25		94	126	157	180	202	219	25	78	123	162	197	230	250	250
26		83	113	141	162	182	201	26	66	104	141	173	204	233	237
27		74	101	127	146	165	182	27	52	87	121	152	180	207	225
28		65	90	114	132	149	165	28	39	71	104	132	159	185	209
29		57	81	102	119	135	150	29	27	57	88	115	140	164	187
30		50	72	92	107	122	137	30		45	73	100	123	146	167
31		44	65	82	97	111	124	31		33	60	86	108	129	149
32		38	58	73	87	101	113	32			48	73	94	114	133
33			50	65	79	91	103	33			37	61	81	100	118
34			44	58	71	83	94	34				49	70	87	104
35				51	63	75	85	35					59	76	92
36					57	68	78	36					49	65	81
37						61	71	37						56	70
38						55	64	38							60
39							58	39							
40								40							
41								41							
42								42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

	3” BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 104 PSF							4” BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 116 PSF								
	SECTION PROPERTIES							SECTION PROPERTIES								
	A = 804.8 in ² I = 9237 in ⁴		Y _t = 5.091 in Y _b = 5.909 in		b = 38.5 in wt = 104 psf			A = 896.1 in ² I = 11,807 in ⁴		Y _t = 5.521 in Y _b = 6.479 in		b = 38.5 in wt = 116 psf				
ΦMn ft-k/ft	20.62	27.09	33.21	39.06	44.73	50.22	55.47	ΦMn ft-k/ft	22.94	30.19	37.19	43.79	50.20	56.43	62.4	
Series	1.50D-8806T3	1.50D-8808T3	1.50D-8810T3	1.50D-8812T3	1.50D-8814T3	1.50D-8816T3	1.50D-8818T3	Series	1.50D-8806T4	1.50D-8808T4	1.50D-8810T4	1.50D-8812T4	1.50D-8814T4	1.50D-8816T4	1.50D-8818T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							
15								15								
16	116	429	511	511	511	511	511	16	129	478	574	574	574	574	574	
17	279	389	473	473	473	473	473	17	310	433	529	529	529	529	529	
18	240	340	434	438	438	438	438	18	267	379	486	491	491	491	491	
19	208	297	382	408	408	408	408	19	230	331	428	457	457	457	457	
20	180	261	337	381	381	381	381	20	199	290	377	426	426	426	426	
21	156	229	298	357	357	357	357	21	173	255	334	399	399	399	399	
22	135	202	265	321	336	336	336	22	149	222	289	351	375	375	375	
23	117	178	232	280	316	316	316	23	117	183	246	303	353	353	353	
24	97	149	199	244	286	298	298	24	88	149	208	261	311	333	333	
25	76	124	171	212	251	282	282	25	63	119	175	224	270	313	315	
26	56	101	145	184	220	255	267	26	41	92	144	191	233	274	298	
27	39	80	122	158	192	225	253	27	21	69	117	161	201	239	275	
28	24	62	101	136	168	198	226	28		47	92	135	172	208	241	
29		46	82	116	145	174	200	29		28	70	111	146	179	211	
30		31	65	97	125	152	177	30			50	89	123	154	184	
31			49	80	107	132	156	31			32	68	102	131	159	
32			35	64	91	114	137	32				50	82	110	137	
33				50	76	98	119	33				33	65	91	116	
34				37	62	83	103	34					48	74	98	
35					49	70	89	35						58	81	
36						57	75	36						44	65	
37						46	63	37							51	
38							52	38								
39								39								
40								40								
41								41								
42								42								
43								43								
44								44								
45								45								
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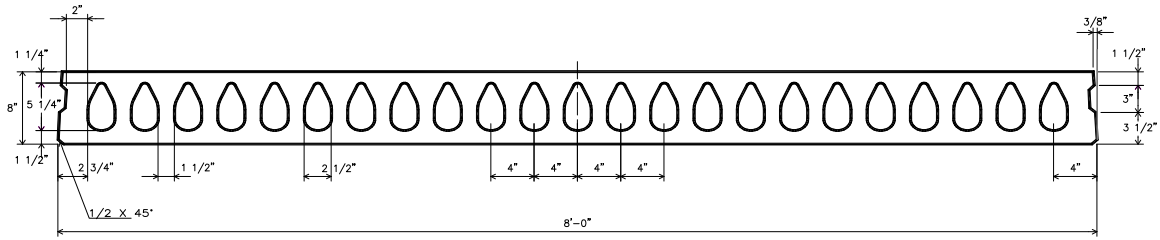


11

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.75" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 66 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 91 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 530.9 in ² Y _t = 3.943 in b = 38.5 in I = 3679 in ⁴ Y _b = 4.057 in wt = 66 psf								A = 713.5 in ² Y _t = 4.678 in b = 38.5 in I = 7059 in ⁴ Y _b = 5.322 in wt = 91 psf							
ΦMn ft-k/ft	13.24	17.22	21.01	24.66	28.07	31.19	31.93	ΦMn ft-k/ft	17.71	23.16	28.27	33.20	37.94	42.44	46.75
Series	1.75D-8806	1.75D-8808	1.75D-8810	1.75D-8812	1.75D-8814	1.75D-8816	1.75D-8818	Series	1.75D-8806T2	1.75D-8808T2	1.75D-8810T2	1.75D-8812T2	1.75D-8814T2	1.75D-8816T2	1.75D-8818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	75	276	348	386	425	445	460	16	99	368	434	434	434	434	434
17	65	248	314	351	390	413	430	17	238	332	401	401	401	401	401
18	52	216	274	321	352	374	396	18	205	289	368	372	372	372	372
19	42	189	241	292	318	338	358	19	177	252	323	347	347	347	347
20	33	165	213	258	290	308	325	20	153	221	285	324	324	324	324
21	25	145	188	230	266	281	297	21	132	194	252	304	304	304	304
22		128	167	205	238	258	272	22	114	171	233	273	286	286	286
23		113	149	183	213	237	251	23	99	150	199	240	269	269	269
24		100	133	164	190	213	227	24	85	132	174	210	244	254	254
25		88	118	147	171	191	206	25	73	113	150	184	216	240	240
26		78	106	133	153	172	186	26	59	94	130	161	190	218	227
27		68	94	119	138	156	169	27	45	78	111	140	167	194	216
28		60	84	107	124	141	154	28	33	63	93	121	147	172	195
29		53	75	95	112	127	140	29	21	50	78	105	129	152	174
30		46	67	85	100	115	128	30		38	64	90	112	134	155
31		40	60	76	90	104	116	31			52	76	98	118	137
32			53	67	81	94	106	32			40	64	84	103	121
33			45	60	73	85	96	33				52	72	90	107
34				53	65	76	87	34					61	78	94
35					58	69	79	35					50	67	82
36						62	72	36						56	71
37							65	37							61
38								38							
39								39							
40								40							
41								41							
42								42							
43								43							
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Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.

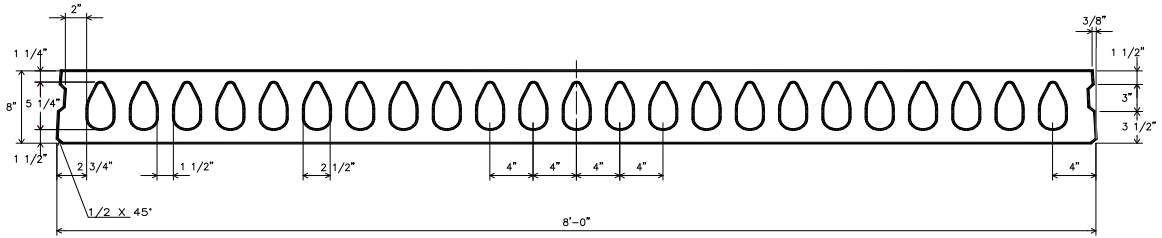


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.75" COVER – 270K STRAND



8" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 104 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 116 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 804.8 in ²				Y _t = 5.091 in				A = 896.1 in ²				Y _t = 5.521 in			
I = 9237 in ⁴				Y _b = 5.909 in				I = 11,807 in ⁴				Y _b = 6.479 in			
b = 38.5 in				wt = 104 psf				b = 38.5 in				wt = 116 psf			
ΦMn ft-k/ft	20.03	26.32	32.22	37.89	43.37	48.67	53.72	ΦMn ft-k/ft	22.36	29.42	36.19	42.60	48.83	54.87	60.72
Series	1.75D-8806T3	1.75D-8808T3	1.75D-8810T3	1.75D-8812T3	1.75D-8814T3	1.75D-8816T3	1.75D-8818T3	Series	1.75D-8806T4	1.75D-8808T4	1.75D-8810T4	1.75D-8812T4	1.75D-8814T4	1.75D-8816T4	1.75D-8818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	111	416	494	494	494	494	494	16	334	465	556	556	556	556	556
17	269	377	456	456	456	456	456	17	300	422	513	513	513	513	513
18	231	328	419	423	423	423	423	18	258	367	471	475	475	475	475
19	200	287	368	394	394	394	394	19	222	320	414	442	442	442	442
20	173	251	325	368	368	368	368	20	192	280	365	413	413	413	413
21	149	221	287	345	345	345	345	21	166	246	317	381	386	386	386
22	129	194	251	302	324	324	324	22	136	204	269	328	363	363	363
23	111	164	216	262	305	305	305	23	105	167	227	281	333	341	341
24	88	136	184	227	268	288	288	24	77	134	191	241	289	322	322
25	67	112	157	196	234	270	272	25	53	105	158	205	249	291	304
26	48	90	131	169	204	237	257	26	31	79	128	173	214	253	288
27	32	70	109	14	177	208	238	27		57	102	145	183	219	254
28		53	89	123	153	182	210	28		36	78	119	155	189	222
29		37	70	103	132	159	185	29			57	96	130	162	192
30		23	54	85	112	138	162	30			38	74	107	137	166
31			39	69	95	119	142	31				55	87	115	142
32				53	79	102	123	32				37	68	95	121
33				40	64	86	106	33					51	77	101
34					51	72	91	34						60	83
35						58	77	35							67
36							64	36							51
37								37							
38								38							
39								39							
40								40							
41								41							
42								42							
43								43							
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45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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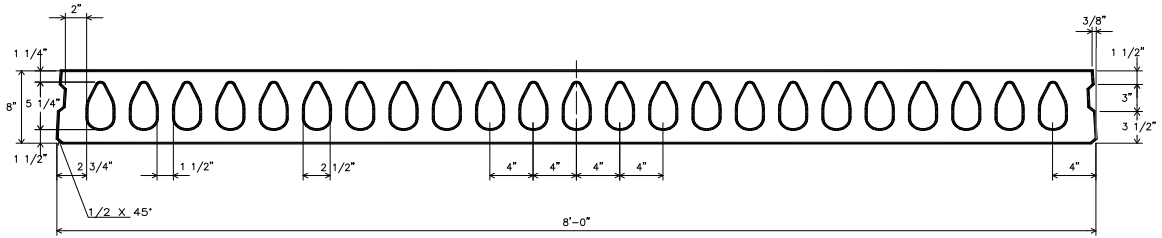
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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 2.00" COVER – 270K STRAND



8" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 66 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 91 PSF							
SECTION PROPERTIES A = 530.9 in ² Y _t = 3.943 in b = 38.5 in I = 3679 in ⁴ Y _b = 4.057 in wt = 66 psf								SECTION PROPERTIES A = 713.5 in ² Y _t = 4.678 in b = 38.5 in I = 7059 in ⁴ Y _b = 5.322 in wt = 91 psf							
ΦMn ft-k/ft	12.66	16.43	20.04	23.50	26.71	29.62	29.46	ΦMn ft-k/ft	17.13	22.36	27.29	32.03	36.58	40.89	45.00
Series	2.005D-8806	2.00D-8808	2.00D-8810	2.00D-8812	2.00D-8814	2.00D-8816	2.00D-8818	Series	2.00D-8806T2	2.00D-8808T2	2.00D-8810T2	2.00D-8812T2	2.00D-8814T2	2.00D-8816T2	2.00D-8818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	70	263	332	369	406	426	441	16	93	355	434	434	434	434	434
17	60	234	297	335	374	395	412	17	228	318	401	401	401	401	401
18	48	204	259	306	341	363	383	18	196	277	353	372	372	372	372
19	38	178	228	276	309	329	347	19	169	241	309	347	347	347	347
20	29	156	201	244	282	298	315	20	146	211	273	324	324	324	324
21	22	137	177	217	253	273	284	21	126	185	241	293	304	304	304
22		120	157	193	225	250	255	22	108	162	213	256	286	286	286
23		106	140	172	201	224	229	23	93	143	186	224	259	269	269
24		93	124	154	180	201	206	24	80	123	161	195	228	254	254
25		82	111	138	161	180	186	25	67	103	138	170	200	229	240
26		72	98	124	144	162	168	26	52	85	118	148	176	203	227
27		63	88	111	129	146	152	27	39	69	100	128	154	179	203
28		55	78	99	116	132	138	28	26	55	83	110	135	158	180
29		48	69	88	104	119	125	29		42	69	94	117	139	160
30		42	62	78	93	107	114	30			55	80	101	122	142
31			54	70	83	96	103	31			43	67	87	106	125
32			47	61	74	87	94	32				54	74	92	110
33				54	66	78	85	33					62	79	96
34					59	70	78	34						68	83
35						63	70	35							72
36							64	36							
37								37							
38								38							
39								39							
40								40							
41								41							
42								42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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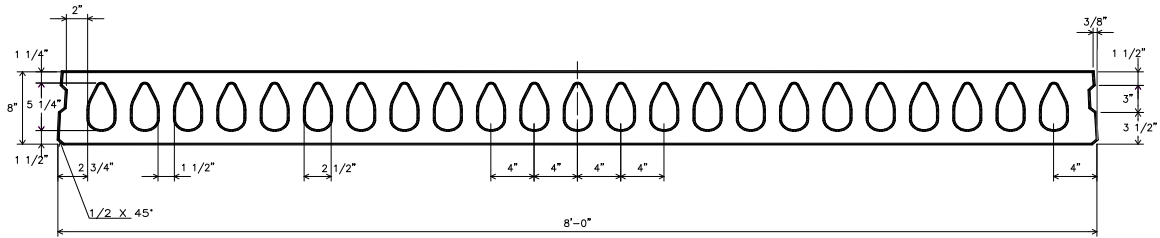
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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 2.00" COVER – 270K STRAND



8" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 104 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 116 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 804.8 in ² I = 9237 in ⁴				Y _t = 5.091 in Y _b = 5.909 in				A = 896.1 in ² I = 11,807 in ⁴				Y _t = 5.521 in Y _b = 6.479 in			
b = 38.5 in wt = 104 psf								b = 38.5 in wt = 116 psf							
ΦMn ft-k/ft	19.45	25.55	31.23	36.71	42.01	47.11	51.96	ΦMn ft-k/ft	21.78	28.64	35.19	41.42	47.46	53.32	58.96
Series	2.00D-8806T3	2.00D-8808T3	2.00D-8810T3	2.00D-8812T3	2.00D-8814T3	2.00D-8816T3	2.00D-8818T3	Series	2.00D-8806T4	2.00D-8808T4	2.00D-8810T4	2.00D-8812T4	2.00D-8814T4	2.00D-8816T4	2.00D-8818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	289	403	480	480	480	480	480	16	323	452	538	538	538	538	538
17	259	364	443	443	443	443	443	17	289	408	496	496	496	496	496
18	222	316	404	411	411	411	411	18	249	355	456	460	460	460	460
19	192	276	354	383	383	383	383	19	214	309	400	428	428	428	428
20	165	241	312	357	357	357	357	20	185	271	346	399	399	399	399
21	143	212	273	325	335	335	335	21	157	227	294	355	374	374	374
22	123	181	233	281	314	314	314	22	122	186	248	304	351	351	351
23	101	150	199	243	285	296	296	23	92	150	208	259	308	330	330
24	78	123	169	209	279	279	279	24	66	119	172	220	265	309	311
25	58	100	142	180	216	250	263	25	42	91	140	186	228	268	294
26	40	79	118	153	187	219	249	26	21	67	112	155	194	231	267
27	24	60	96	130	161	191	219	27		45	87	128	164	199	232
28		43	77	109	138	166	192	28		25	64	103	137	170	201
29		28	59	90	117	143	168	29			44	81	113	144	173
30			44	73	99	123	147	30			26	60	91	120	147
31				57	82	105	127	31				41	72	99	125
32					67	88	109	32					54	79	104
33					53	73	93	33						62	85
34						59	78	34							68
35							64	35							
36								36							
37								37							
38								38							
39								39							
40								40							
41								41							
42								42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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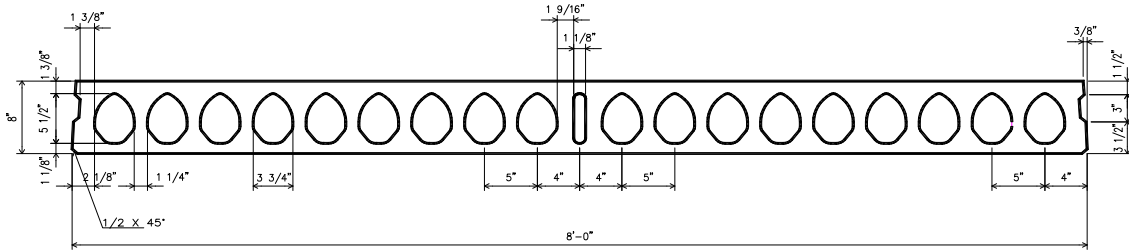
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.00" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 60 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 85 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 476.6 in ² I = 3523 in ⁴ Y _t = 3.543 in Y _b = 4.157 in b = 27.35 in wt = 60 psf								A = 659.2 in ² I = 6680 in ⁴ Y _t = 4.502 in Y _b = 5.498 in b = 27.35 in wt = 85 psf							
ΦMn ft-k/ft	14.98	19.60	23.95	28.15	32.14	35.80		ΦMn ft-k/ft	19.45	25.55	31.23	36.71	42.01	47.12	
Series	1.00E-8806	1.00E-8808	1.00E-8810	1.00E-8812	1.00E-8814	1.00E-8816		Series	1.00E-8806T2	1.00E-8808T2	1.00E-8810T2	1.00E-8812T2	1.00E-8814T2	1.00E-8816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	234	317	366	366	366	366		16	118	407	447	447	447	447	
17	213	288	326	341	341	341		17	271	370	416	416	416	416	
18	187	258	293	319	319	319		18	237	331	388	388	388	388	
19	163	227	264	289	299	299		19	206	290	349	363	363	363	
20	143	200	240	262	281	281		20	180	256	314	341	341	341	
21	125	177	218	238	257	264		21	157	226	285	314	321	321	
22	110	158	199	218	235	250		22	138	200	258	285	303	303	
23	97	141	182	200	215	230		23	120	178	232	259	282	287	
24	85	125	163	183	198	211		24	105	158	208	237	258	272	
25	75	112	147	169	183	195		25	92	141	186	218	236	254	
26	66	100	132	156	169	180		26	80	126	166	199	217	234	
27	58	90	120	145	156	167		27	70	112	146	178	200	215	
28	51	80	108	133	145	155		28	59	96	129	158	185	199	
29	44	72	98	121	135	144		29	47	81	113	140	166	183	
30	39	64	88	109	126	126		30	36	68	98	124	149	170	
31	33	57	80	99	115	118		31	26	56	85	110	133	154	
32	28	51	72	90	105	108		32		45	73	97	118	138	
33	24	45	65	82	96	99		33		35	62	85	105	124	
34		40	59	74	87	91		34		26	51	74	93	111	
35		35	53	67	80	83		35			42	64	82	99	
36			48	61	72	76		36			33	54	72	88	
37			42	55	66	70		37				46	63	78	
38				49	60	64		38				37	54	69	
39				44	55	59		39					46	61	
40					49	54		40						53	
41					45	49		41						45	
42						44		42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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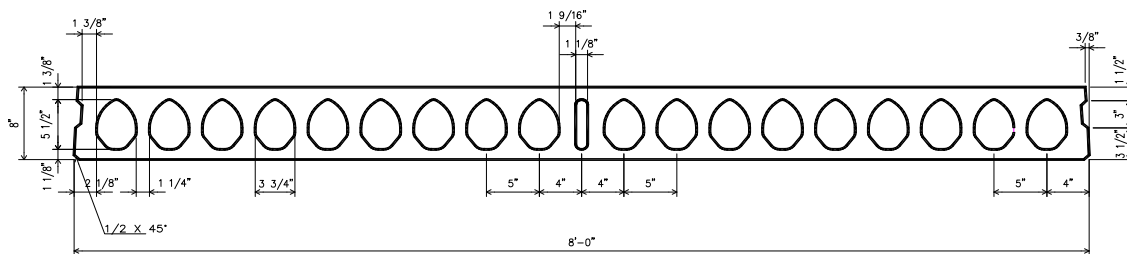


1'' - 1-1/2'' CAMBER

1-1/2'' - 2'' CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.00" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 97 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 110 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 750.5 in ² Y _t = 4.893 in b = 27.375 in I = 8694 in ⁴ Y _b = 6.107 in wt = 97 psf								A = 841.7 in ² Y _t = 5.308 in b = 27.375 in I = 11,069 in ⁴ Y _b = 6.692 in wt = 110 psf							
ΦMn ft-k/ft	21.78	28.64	35.20	41.42	47.47	53.32		ΦMn ft-k/ft	24.10	31.74	39.19	46.16	52.94	59.54	
Series	1.00E-8806T3	1.00E-8808T3	1.00E-8810T3	1.00E-8812T3	1.00E-8814T3	1.00E-8816T3		Series	1.00E-8806T4	1.00E-8808T4	1.00E-8810T4	1.00E-8812T4	1.00E-8814T4	1.00E-8816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	131	455	484	484	484	484		16	143	502	517	517	517	517	
17	115	413	450	450	450	450		17	125	457	481	481	481	481	
18	263	369	420	420	420	420		18	290	408	449	449	449	449	
19	229	324	392	393	393	393		19	252	357	420	420	420	420	
20	199	285	353	369	369	369		20	219	315	391	395	395	395	
21	174	252	317	347	347	347		21	191	278	351	372	372	372	
22	152	223	287	318	328	328		22	167	246	317	351	351	351	
23	133	198	260	289	310	310		23	146	218	285	319	332	332	
24	116	176	231	264	287	294		24	120	188	246	290	315	315	
25	101	156	202	241	263	279		25	93	157	212	262	289	300	
26	82	132	176	216	241	260		26	70	129	182	229	264	285	
27	64	111	152	190	221	238		27	50	104	155	198	239	262	
28	48	91	131	167	199	219		28	31	82	130	171	209	240	
29	34	74	113	146	176	202		29		62	109	147	183	216	
30	21	59	96	127	156	182		30		44	88	125	159	190	
31		44	80	110	137	162		31		27	69	106	137	167	
32		32	65	94	120	144		32			51	88	118	146	
33		20	51	80	105	127		33			35	71	100	126	
34			39	67	91	112		34			21	55	84	109	
35			28	56	78	98		35				40	69	93	
36				44	66	85		36				26	55	78	
37				33	55	74		37					42	64	
38					45	63		38					29	52	
39					35	53		39						40	
40						44		40							
41						35		41							
42								42							
43								43							
44								44							
45								45							
46								46							

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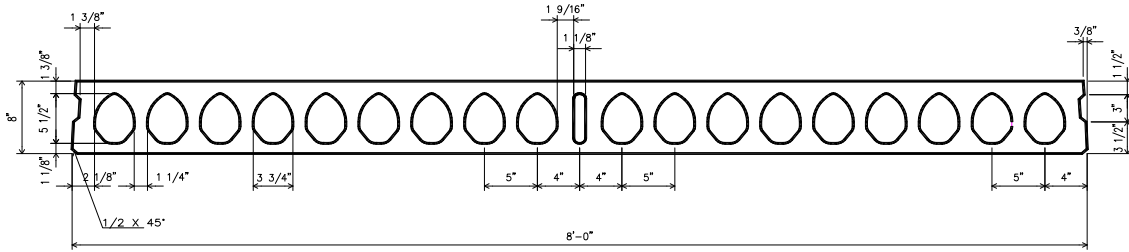


1' – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.25" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 60 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 85 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 476.6 in ² Y _t = 3.543 in b = 27.35 in I = 3523 in ⁴ Y _b = 4.157 in wt = 60 psf								A = 659.2 in ² Y _t = 4.502 in b = 27.35 in I = 6680 in ⁴ Y _b = 5.498 in wt = 85 psf							
ΦMn ft-k/ft	14.40	18.81	22.97	26.99	30.78	34.24		ΦMn ft-k/ft	18.87	24.76	30.24	35.54	40.65	45.56	
Series	1.25E-8806	1.25E-8808	1.25E-8810	1.25E-8812	1.25E-8814	1.25E-8816		Series	1.25E-8806T2	1.25E-8808T2	1.25E-8810T2	1.25E-8812T2	1.25E-8814T2	1.25E-8816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	225	304	351	351	351	351		16	113	395	437	437	437	437	
17	204	277	314	327	327	327		17	263	359	406	406	406	406	
18	178	245	282	305	305	305		18	228	318	374	378	378	378	
19	155	216	254	278	286	286		19	198	279	336	354	354	354	
20	135	190	230	252	269	269		20	172	246	302	333	333	333	
21	119	168	209	229	248	253		21	151	217	273	302	313	313	
22	104	150	191	209	226	239		22	132	192	247	274	296	296	
23	91	133	172	192	207	221		23	115	170	222	249	271	280	
24	80	119	155	176	190	204		24	10	151	199	227	248	265	
25	71	106	139	162	175	188		25	88	135	178	209	227	244	
26	62	94	125	150	162	173		26	76	120	157	190	208	224	
27	54	84	113	139	150	161		27	66	104	138	168	191	206	
28	47	75	102	127	139	149		28	53	88	120	149	176	191	
29	41	67	92	115	129	138		29	41	74	105	132	157	176	
30	35	60	83	104	120	129		30	30	61	91	116	140	162	
31	30	53	75	94	109	120		31	21	49	78	102	124	145	
32	26	47	67	85	99	112		32		39	66	89	110	130	
33		42	61	77	90	103		33		29	55	77	97	116	
34		37	55	69	82	94		34			44	67	86	103	
35		32	49	63	75	86		35			35	57	75	92	
36			44	56	68	79		36				48	65	81	
37				51	62	72		37				39	56	71	
38				45	56	66		38					48	62	
39					51	60		39						54	
40					46	55		40						46	
41						50		41							
42								42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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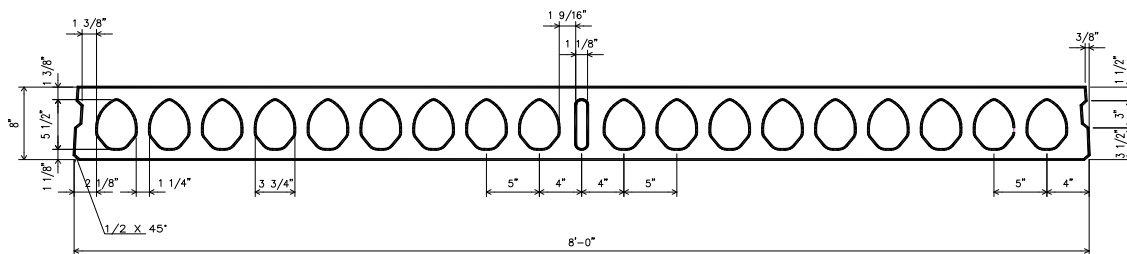
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.25" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 97 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 110 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 750.5 in ² I = 8694 in ⁴ Y _t = 4.893 in Y _b = 6.107 in b = 27.375 in wt = 97 psf								A = 841.7 in ² I = 11,069 in ⁴ Y _t = 5.308 in Y _b = 6.692 in b = 27.375 in wt = 110 psf							
ΦMn ft-k/ft	21.20	27.87	34.20	40.24	46.10	51.77		ΦMn ft-k/ft	23.52	30.97	38.19	44.97	51.57	57.98	
Series	1.25E-8806T3	1.25E-8808T3	1.25E-8810T3	1.25E-8812T3	1.25E-8814T3	1.25E-8816T3		Series	1.25E-8806T4	1.25E-8808T4	1.25E-8810T4	1.25E-8812T4	1.25E-8814T4	1.25E-8816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	126	443	476	476	476	476		16	138	491	514	514	514	514	
17	293	403	442	442	442	442		17	324	446	477	477	477	477	
18	254	357	413	413	413	413		18	281	396	445	445	445	445	
19	221	313	377	386	386	386		19	244	347	417	417	417	417	
20	192	276	339	363	363	363		20	212	305	376	392	392	392	
21	168	243	306	338	342	342		21	184	269	337	369	369	369	
22	146	215	275	306	322	322		22	161	238	303	338	348	348	
23	128	191	250	277	303	305		23	137	208	269	306	330	330	
24	111	169	218	252	276	289		24	109	174	231	277	304	313	
25	93	144	190	231	252	273		25	83	143	198	247	277	297	
26	73	121	164	203	231	249		26	61	16	168	214	253	274	
27	56	101	142	178	211	229		27	41	92	142	184	224	251	
28	41	82	121	155	187	210		28	23	71	118	158	195	230	
29	27	65	103	135	165	193		29		52	96	135	170	202	
30		50	86	117	145	171		30		34	76	113	146	177	
31		37	71	100	127	151		31			58	94	125	154	
32		25	56	85	110	134		32			41	77	106	133	
33			43	71	95	117		33			26	60	89	115	
34			31	59	81	103		34				44	73	97	
35				47	69	89		35				30	58	82	
36				35	57	77		36					45	67	
37					47	65		37					32	54	
38					37	55		38						42	
39						45		39							
40								40							
41								41							
42								42							
43								43							
44								44							
45								45							
46								46							

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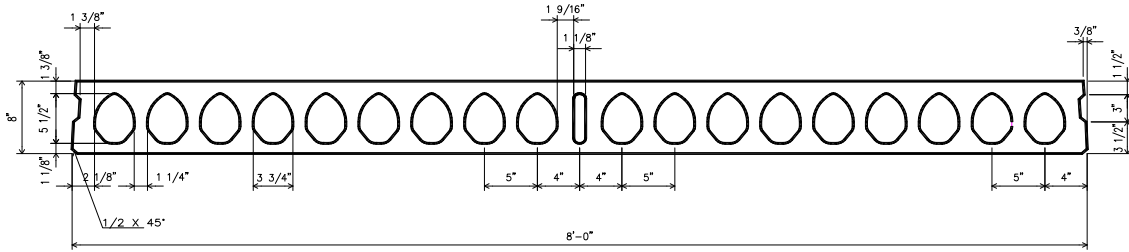
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.50" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 60 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 85 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 476.6 in ² Y _t = 3.543 in b = 27.35 in I = 3523 in ⁴ Y _b = 4.157 in wt = 60 psf								A = 659.2 in ² Y _t = 4.502 in b = 27.35 in I = 6680 in ⁴ Y _b = 5.498 in wt = 85 psf							
ΦMn ft-k/ft	13.82	18.01	21.99	25.82	29.42	32.68		ΦMn ft-k/ft	18.29	23.96	29.25	34.37	39.30	44.00	
Series	1.50E-8806	1.50E-8808	1.50E-8810	1.50E-8812	1.50E-8814	1.50E-8816		Series	1.50E-8806T2	1.50E-8808T2	1.50E-8810T2	1.50E-8812T2	1.50E-8814T2	1.50E-8816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	215	292	341	345	345	345		16	108	383	426	426	426	426	
17	194	265	304	321	321	321		17	253	348	395	395	395	395	
18	169	233	273	299	300	300		18	219	306	359	369	369	369	
19	147	205	246	269	281	281		19	190	268	322	345	345	345	
20	128	180	222	244	264	264		20	165	236	289	320	324	324	
21	112	159	202	222	240	248		21	144	208	261	289	305	305	
22	98	141	182	202	219	234		22	126	184	237	262	286	288	
23	86	126	163	185	200	215		23	109	163	213	238	260	272	
24	75	112	146	170	184	197		24	95	144	190	217	237	256	
25	66	99	131	156	169	182		25	83	128	168	199	217	234	
26	58	89	118	145	156	168		26	72	112	147	179	199	215	
27	50	79	106	132	145	155		27	60	95	128	158	182	197	
28	43	70	96	120	134	144		28	47	80	111	139	165	182	
29	37	62	86	109	125	133		29	35	66	96	122	147	167	
30	32	55	77	98	114	124		30	25	54	83	107	130	152	
31	27	49	70	88	103	116		31		43	70	94	115	136	
32		43	63	80	94	107		32		33	58	81	102	121	
33		38	56	72	85	98		33			48	70	89	107	
34		33	50	65	77	89		34			38	59	78	95	
35			45	58	70	81		35				50	67	84	
36				52	63	74		36				41	58	74	
37				46	57	67		37					49	64	
38					51	61		38						55	
39						55		39							
40						50		40							
41								41							
42								42							
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46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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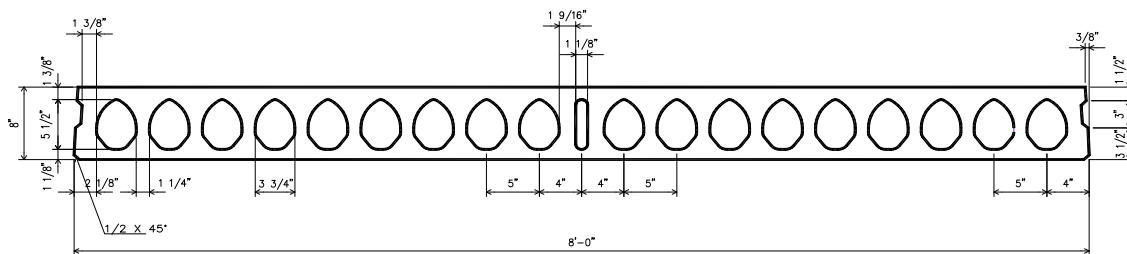


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.50" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 97 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 110 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 750.5 in ² Y _t = 4.893 in b = 27.375 in I = 8694 in ⁴ Y _b = 6.107 in wt = 97 psf								A = 841.7 in ² Y _t = 5.308 in b = 27.375 in I = 11,069 in ⁴ Y _b = 6.692 in wt = 110 psf							
ΦMn ft-k/ft	20.62	27.10	33.21	39.06	44.73	50.22		ΦMn ft-k/ft	22.94	30.19	37.19	43.78	50.20	56.43	
Series	1.50E-8806T3	1.50E-8808T3	1.50E-8810T3	1.50E-8812T3	1.50E-8814T3	1.50E-8816T3		Series	1.50E-8806T4	1.50E-8808T4	1.50E-8810T4	1.50E-8812T4	1.50E-8814T4	1.50E-8816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	315	431	468	468	468	468		16	349	479	509	509	509	509	
17	284	391	435	435	435	435		17	315	435	473	473	473	473	
18	245	345	405	406	406	406		18	272	384	442	442	442	442	
19	213	302	362	380	380	380		19	236	336	402	413	413	413	
20	185	266	324	356	356	356		20	205	295	359	388	388	388	
21	161	234	292	324	335	335		21	178	260	323	359	366	366	
22	140	207	264	293	317	317		22	155	229	291	324	345	345	
23	122	183	236	265	290	299		23	125	192	252	292	321	327	
24	105	158	205	241	264	284		24	98	159	215	264	291	310	
25	84	133	177	218	240	261		25	73	130	183	230	264	287	
26	65	110	152	190	220	239		26	52	104	154	198	240	262	
27	49	91	130	166	199	218		27	32	81	129	170	208	239	
28	34	73	111	144	175	200		28		60	105	144	180	214	
29	21	57	93	124	153	180		29		42	84	121	155	187	
30		42	76	106	133	159		30		25	64	101	133	163	
31		29	61	90	116	140		31			47	82	112	141	
32			47	76	100	123		32			31	65	94	120	
33			35	62	85	107		33				48	77	102	
34				50	72	92		34				33	61	85	
35				38	60	79		35					47	70	
36					49	67		36					34	56	
37						56		37						43	
38						46		38							
39								39							
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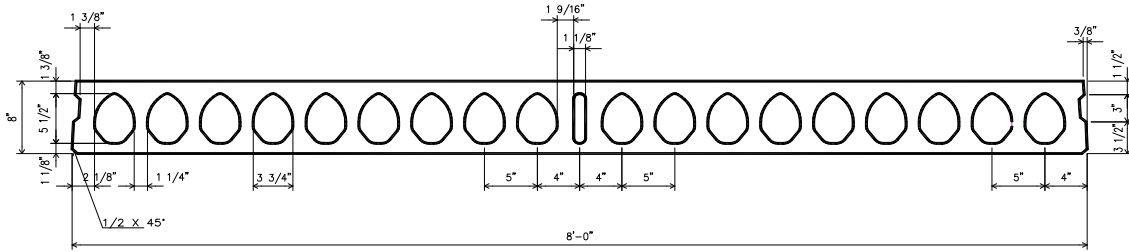
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.75" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 60 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 85 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 476.6 in ² I = 3523 in ⁴								A = 659.2 in ² I = 6680 in ⁴							
Y _t = 3.543 in Y _b = 4.157 in								Y _t = 4.502 in Y _b = 5.498 in							
b = 27.35 in wt = 60 psf								b = 27.35 in wt = 85 psf							
ΦMn ft-k/ft	13.24	17.22	21.01	24.66	28.05	31.11		ΦMn ft-k/ft	17.71	23.16	28.27	33.20	37.94	42.44	
Series	1.75E-8806	1.75E-8808	1.75E-8810	1.75E-8812	1.75E-8814	1.75E-8816		Series	1.75E-8806T2	1.75E-8808T2	1.75E-8810T2	1.75E-8812T2	1.75E-8814T2	1.75E-8816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	80	279	331	345	345	345		16	270	370	414	414	414	414	
17	70	253	295	321	321	321		17	243	336	385	385	385	385	
18	57	221	265	290	300	300		18	210	294	344	359	359	359	
19	47	194	238	261	281	281		19	182	257	308	336	336	336	
20	38	171	216	237	256	264		20	158	226	276	306	315	315	
21	30	151	193	215	233	248		21	137	199	249	276	296	296	
22	24	133	172	196	212	227		22	120	176	226	250	273	280	
23		118	154	179	194	208		23	104	155	204	227	248	264	
24		105	138	165	178	191		24	90	138	180	206	226	244	
25		93	123	152	164	176		25	78	121	157	189	206	223	
26		83	111	138	152	162		26	67	103	137	167	189	204	
27		73	99	124	140	150		27	53	87	118	147	174	187	
28		65	89	113	130	139		28	41	72	102	129	154	172	
29		58	80	102	118	129		29	30	59	88	113	136	158	
30		51	72	92	107	120		30		47	74	98	120	141	
31		45	65	83	97	111		31		36	62	85	106	126	
32		39	58	74	88	101		32			51	73	93	111	
33		34	52	67	79	91		33			40	62	81	98	
34			46	60	72	83		34				52	70	86	
35				53	65	76		35				42	59	75	
36				47	58	69		36					50	65	
37					52	62		37						56	
38						56		38							
39								39							
40								40							
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46								46							

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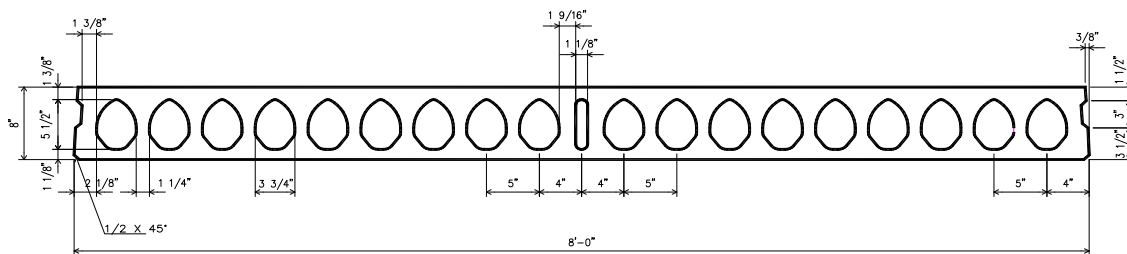
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 1.75" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 97 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 110 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 750.5 in ² Y _t = 4.893 in b = 27.375 in I = 8694 in ⁴ Y _b = 6.107 in wt = 97 psf								A = 841.7 in ² Y _t = 5.308 in b = 27.375 in I = 11,069 in ⁴ Y _b = 6.692 in wt = 110 psf							
ΦMn ft-k/ft	20.03	26.32	32.21	37.89	43.37	48.66		ΦMn ft-k/ft	22.36	29.42	36.19	42.60	48.82	54.87	
Series	1.75E-8806T3	1.75E-8808T3	1.75E-8810T3	1.75E-8812T3	1.75E-8814T3	1.75E-8816T3		Series	1.75E-8806T4	1.75E-8808T4	1.75E-8810T4	1.75E-8812T4	1.75E-8814T4	1.75E-8816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	305	419	460	460	460	460		16	339	467	504	504	504	504	
17	274	380	427	427	427	427		17	305	424	469	469	469	469	
18	236	333	388	398	398	398		18	263	372	433	437	437	437	
19	205	292	346	373	373	373		19	227	325	384	409	409	409	
20	178	256	309	344	350	350		20	197	286	343	382	384	384	
21	154	226	278	309	329	329		21	171	251	307	342	362	362	
22	134	199	251	279	306	310		22	144	213	274	308	339	342	
23	117	173	221	253	277	294		23	113	176	234	278	306	323	
24	96	145	191	229	251	273		24	87	144	198	248	277	301	
25	75	121	164	203	229	248		25	63	116	167	213	251	273	
26	57	100	140	176	208	227		26	42	91	140	182	222	249	
27	41	81	119	153	185	207		27	24	69	115	154	192	227	
28	27	63	100	131	161	189		28		49	92	130	165	198	
29		48	82	112	140	167		29		32	71	108	140	171	
30		34	66	95	121	146		30			52	88	118	148	
31			52	80	104	128		31			36	70	99	126	
32			38	66	89	111		32				53	81	107	
33				53	75	96		33				37	64	89	
34				40	62	82		34					49	73	
35					50	69		35						58	
36						57		36						44	
37						46		37							
38								38							
39								39							
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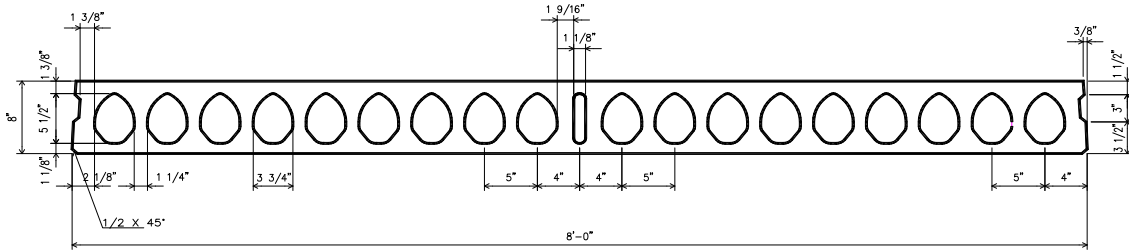


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

8" THICK SPANCRETE® 2.00" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

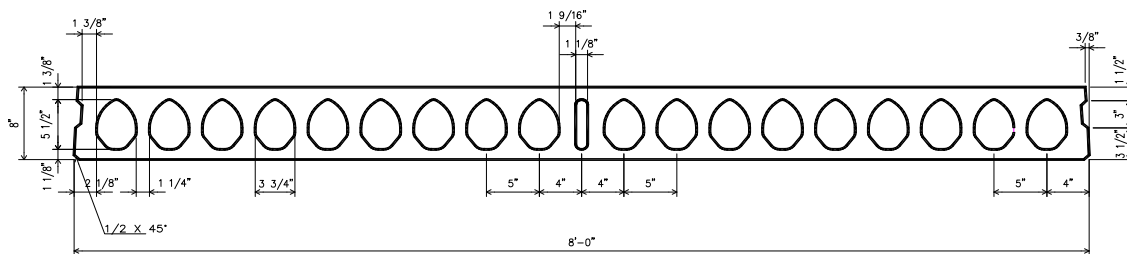
NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 60 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 85 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 476.6 in ² Y _t = 3.543 in b = 27.35 in I = 3523 in ⁴ Y _b = 4.157 in wt = 60 psf								A = 659.2 in ² Y _t = 4.502 in b = 27.35 in I = 6680 in ⁴ Y _b = 5.498 in wt = 85 psf							
ΦMn ft-k/ft	12.66	16.43	20.04	23.50	26.69	29.51		ΦMn ft-k/ft	17.13	22.36	27.29	32.03	36.58	40.88	
Series	2.00E-8806	2.00E-8808	2.00E-8810	2.00E-8812	2.00E-8814	2.00E-8816		Series	2.00E-8806T2	2.00E-8808T2	2.00E-8810T2	2.00E-8812T2	2.00E-8814T2	2.00E-8816T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	75	266	321	345	345	345		16	260	357	418	418	418	418	
17	65	240	286	313	321	321		17	233	323	373	388	388	388	
18	53	209	256	281	300	300		18	201	282	332	362	362	362	
19	43	183	231	253	274	281		19	174	246	297	328	339	339	
20	34	161	206	229	248	264		20	151	216	267	295	318	318	
21	27	142	182	208	225	241		21	131	190	241	266	290	299	
22		125	162	190	205	220		22	114	168	217	241	263	282	
23		111	145	174	188	201		23	98	148	193	218	239	258	
24		98	129	159	172	185		24	85	131	168	199	217	235	
25		87	119	143	159	170		25	74	111	146	177	198	215	
26		77	104	129	146	157		26	60	94	126	155	182	196	
27		68	93	116	136	145		27	47	78	108	136	162	180	
28		60	83	105	123	135		28	35	64	93	118	143	166	
29		53	74	95	111	125		29	24	52	79	103	125	147	
30		47	67	86	100	114		30		40	66	89	110	130	
31		41	60	77	90	103		31			54	76	96	115	
32		36	53	69	82	94		32			43	64	83	101	
33			47	61	73	85		33				54	71	88	
34				54	66	77		34					61	77	
35					59	70		35					51	66	
36						63		36						57	
37								37							
38								38							
39								39							
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Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



STANDARD LOAD TABLES

8" THICK SPANCRETE® 2.00" COVER – 270K STRAND



8" x 96" ULTRALIGHT SLAB

	3” BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 97 PSF							4” BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 110 PSF							
	SECTION PROPERTIES							SECTION PROPERTIES							
	A = 750.5 in ² Y _t = 4.893 in b = 27.375 In I = 8694 in ⁴ Y _b = 6.107 in wt = 97 psf							A = 841.7 in ² Y _t = 5.308 in b = 27.375 in I = 11,069 in ⁴ Y _b = 6.692 in wt = 110 psf							
ΦMn ft-k/ft	19.45	25.55	31.23	36.71	42.01	47.11		ΦMn ft-k/ft	21.78	28.64	35.19	41.42	47.46	53.31	
Series	2.00E-8806T3	2.00E-8808T3	2.00E-8810T3	2.00E-8812T3	2.00E-8814T3	2.00E-8816T3		Series	2.00E-8806T4	2.00E-8808T4	2.00E-8810T4	2.00E-8812T4	2.00E-8814T4	2.00E-8816T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	294	406	454	454	454	454		16	328	454	499	499	499	499	
17	264	368	418	422	422	422		17	295	412	464	464	464	464	
18	227	321	370	393	393	393		18	254	360	412	433	433	433	
19	197	281	330	366	368	368		19	219	315	366	405	405	405	
20	170	247	296	328	345	345		20	190	276	327	363	380	380	
21	148	217	265	294	323	325		21	164	235	291	325	358	358	
22	128	189	239	265	291	306		22	131	195	254	292	322	338	
23	108	159	206	240	263	286		23	101	160	215	263	289	316	
24	86	133	176	216	238	259		24	76	130	181	228	261	285	
25	66	109	150	188	217	236		25	53	103	151	195	236	259	
26	49	89	127	162	195	215		26	33	79	125	165	203	234	
27	34	71	107	139	170	196		27		58	100	138	174	208	
28	20	54	88	119	147	174		28		39	78	115	148	180	
29		39	71	100	127	153		29		21	59	93	125	154	
30		26	56	84	109	133		30			41	74	104	132	
31			42	69	93	115		31				57	85	111	
32				55	78	99		32				40	67	92	
33				43	64	84		33					51	75	
34					52	71		34						59	
35						58		35							
36								36							
37								37							
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1" – 1-1/2" CAMBER





1-1/2" – 2" CAMBER

Technical drawing of a 12-hole metal plate. The overall dimensions are 8'-0" in length and 10" in height. The plate features 12 holes, each with a diameter of 1 1/2". The holes are spaced at 3 1/2" intervals. The plate has a 1/2" thick edge and a 1/2" x 45° chamfer. The drawing includes detailed dimensions for the plate's thickness, hole spacing, and edge features.

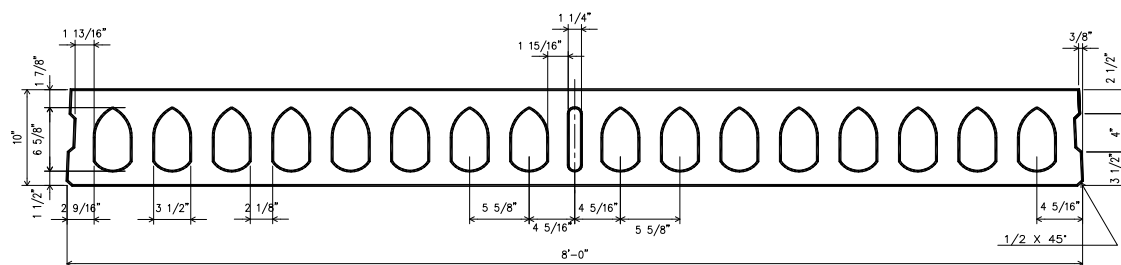
1.00" COVER & 270k STRAND	NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 80 PSF							2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 105 PSF								
	SECTION PROPERTIES							SECTION PROPERTIES								
	A = 641.4 in ² I = 7,015 in ⁴		Y _t = 4.777 in Y _b = 5.223 in		b = 38.75 in wt = 80 psf			A = 824.0 in ² I = 11,819 in ⁴		Y _t = 5.497 in Y _b = 6.503 in		b = 38.75 in wt = 105 psf				
ΦMn ft-k/ft	19.63	25.86	31.88	37.56	43.10	48.49	53.73	ΦMn ft-k/ft	24.10	31.74	39.19	46.16	52.94	59.54	66.00	
Series	1.00D-10806	1.00D-10808	1.00D-10810	1.00D-10812	1.00D-10814	1.00D-10816	1.00D-10818	Series	1.00D-10806T2	1.00D-10808T2	1.00D-10810T2	1.00D-10812T2	1.00D-10814T2	1.00D-10816T2	1.00D-10818T2	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							
15								15								
16	124	419	525	583	636	660	681	16	147	510	618	618	618	618	618	
17	109	381	479	532	587	615	640	17	130	464	572	572	572	572	572	
18	91	339	432	488	533	566	596	18	107	411	525	531	531	531	531	
19	76	298	381	449	483	513	540	19	88	361	464	494	494	494	494	
20	63	263	338	409	439	467	492	20	72	318	411	462	462	462	462	
21	51	233	301	365	402	427	449	21	58	281	365	434	434	434	434	
22	41	207	269	328	370	392	412	22	46	249	326	398	408	408	408	
23	33	184	241	295	340	361	380	23	35	221	291	357	385	385	385	
24	25	164	216	266	314	334	352	24	26	197	261	322	363	363	363	
25		147	195	240	284	309	325	25		175	234	290	344	344	344	
26		131	176	218	258	287	303	26		156	211	262	312	326	326	
27		117	158	197	235	261	282	27		139	190	238	284	310	310	
28		105	143	179	214	239	261	28		124	171	215	259	293	295	
29		94	129	163	195	218	239	29		110	154	195	234	265	281	
30		84	117	148	178	199	219	30		97	139	177	210	240	267	
31		74	106	135	162	183	201	31		86	125	159	189	217	243	
32		66	95	123	148	167	185	32		75	110	142	170	196	221	
33		59	86	112	135	153	170	33		62	95	126	153	178	201	
34		52	78	102	124	141	157	34		50	81	112	137	160	183	
35		45	70	93	113	129	144	35		40	69	98	122	145	166	
36		40	63	85	103	118	133	36		30	57	85	109	130	150	
37		34	56	77	94	109	122	37			46	72	97	117	136	
38		29	50	70	85	100	113	38			37	61	85	105	123	
39			45	63	78	91	104	39				51	74	94	111	
40			39	56	71	83	96	40				41	64	83	100	
41				49	64	76	88	41					54	73	89	
42				43	58	70	81	42					4			



-  1" – 1-1/2" CAMBER
-  1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.00" COVER – 270K STRAND



10" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 118 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 130 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 915.3 in ² I = 14,782 in ⁴				Y _t = 5.899 in Y _b = 7.101 in				A = 1006.5 in ² I = 18,188 in ⁴				Y _t = 6.318 in Y _b = 7.682 in			
ΦMn ft-k/ft	26.42	34.84	43.06	50.92	58.45	65.79	72.95	ΦMn ft-k/ft	28.75	37.94	46.93	55.72	63.99	72.07	79.97
Series	1.00D-10806T3	1.00D-10808T3	1.00D-10810T3	1.00D-10812T3	1.00D-10814T3	1.00D-10816T3	1.00D-10818T3	Series	1.00D-10806T4	1.00D-10808T4	1.00D-10810T4	1.00D-10812T4	1.00D-10814T4	1.00D-10816T4	1.00D-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	160	235	683	683	683	683	683	16	172	254	750	750	750	750	750
17	140	210	631	631	631	631	631	17	151	227	691	691	691	691	691
18	116	449	576	585	585	585	585	18	124	195	627	641	641	641	641
19	95	394	508	545	545	545	545	19	101	428	552	596	596	596	596
20	77	347	450	509	509	509	509	20	82	377	489	557	557	557	557
21	62	307	400	477	477	477	477	21	65	333	434	521	521	521	521
22	48	272	357	437	448	448	448	22	51	294	387	477	490	490	490
23	37	241	319	393	422	422	422	23	174	261	346	429	461	461	461
24	26	214	286	353	399	399	399	24	152	232	310	386	435	435	435
25	123	190	256	319	377	377	377	25	132	206	278	348	411	411	411
26	107	169	230	288	344	358	358	26	115	183	250	314	375	390	390
27	93	151	207	261	312	340	340	27	10	163	224	284	336	370	370
28	80	134	186	236	280	318	323	28	82	141	200	251	298	342	352
29	69	119	168	211	250	286	308	29	60	116	171	220	265	306	335
30	56	101	146	187	223	258	289	30	41	93	145	192	234	273	310
31	41	83	126	165	199	231	262	31	24	73	121	167	207	244	278
32	27	67	107	145	177	208	236	32		54	99	145	182	217	250
33		52	89	127	157	186	213	33		37	80	122	159	192	223
34		38	74	109	139	167	192	34		22	62	102	139	170	199
35		26	59	92	123	149	173	35			45	83	120	150	178
36			46	77	107	132	155	36			30	66	102	131	158
37			34	64	93	117	139	37				50	84	113	139
38				51	79	103	124	38				36	68	98	122
39				39	66	90	110	39				22	53	83	106
40					54	78	97	40					39	68	92
41					42	66	86	41					26	54	78
42						55	75	42						40	66
43						44	64	43							53
44							55	44							40
45							44	45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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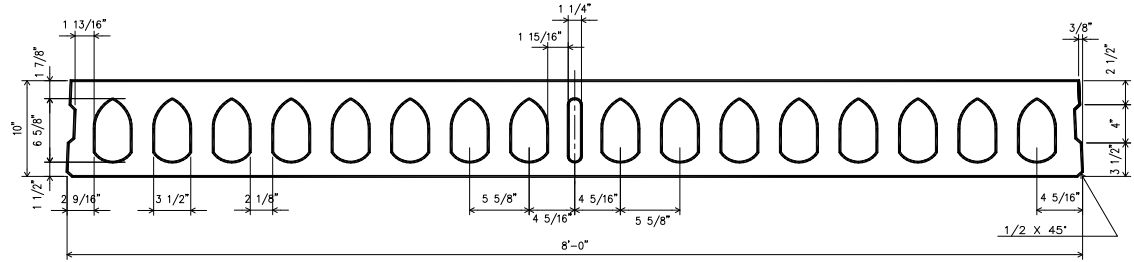


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.25" COVER – 270K STRAND



10" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 80 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 105 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 641.4 in ² I = 7,015 in ⁴								A = 824.0 in ² I = 11,819 in ⁴							
Y _t = 4.777 in Y _b = 5.223 in								Y _t = 5.497 in Y _b = 6.503 in							
b = 38.75 in wt = 80 psf								b = 38.75 in wt = 105 psf							
ΦMn ft-k/ft	19.05	25.08	30.88	36.38	41.73	46.94	51.98	ΦMn ft-k/ft	23.52	30.97	38.19	44.97	51.57	57.98	64.26
Series	1.25D-10806	1.25D-10808	1.25D-10810	1.25D-10812	1.25D-10814	1.25D-10816	1.25D-10818	Series	1.25D-10806T2	1.25D-10808T2	1.25D-10810T2	1.25D-10812T2	1.25D-10814T2	1.25D-10816T2	1.25D-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	119	406	510	567	619	644	665	16	142	498	600	600	600	600	600
17	105	370	465	517	571	599	620	17	125	453	555	555	555	555	555
18	87	327	416	474	518	551	580	18	103	399	510	515	515	515	515
19	72	287	367	436	470	499	527	19	84	350	450	480	480	480	480
20	59	253	326	394	427	454	479	20	68	308	398	449	449	449	449
21	48	224	290	352	391	415	438	21	54	272	354	421	421	421	421
22	38	199	259	315	360	381	402	22	43	241	315	385	396	396	396
23	30	177	232	284	330	351	370	23	32	214	282	346	373	373	373
24	23	158	208	256	302	325	342	24	23	190	252	311	352	352	352
25		141	187	231	274	300	316	25		169	226	281	333	333	333
26		125	168	209	248	279	295	26		150	203	254	302	316	316
27		112	152	189	226	254	274	27		134	183	229	275	300	300
28		100	137	172	206	231	254	28		119	165	208	250	283	286
29		89	123	156	188	211	232	29		105	148	188	224	255	272
30		79	111	142	172	193	213	30		93	133	171	202	231	258
31		70	100	129	156	176	195	31		82	119	152	181	208	234
32		62	91	117	143	161	179	32		69	103	135	162	188	213
33		55	82	107	130	148	165	33		57	88	119	145	170	193
34		48	73	97	118	135	151	34		45	75	104	130	153	175
35		42	66	88	108	124	139	35		35	63	90	115	137	158
36		37	59	80	98	114	128	36			51	78	102	123	143
37		31	53	73	89	104	118	37			41	66	90	110	129
38			47	66	81	95	108	38				55	79	98	116
39			41	58	74	87	99	39				45	68	87	104
40				52	67	79	91	40				36	57	77	93
41				45	60	72	84	41					48	67	83
42					54	66	77	42						58	74
43						60	70	43						49	65
44						54	64	44							57
45							58	45							49
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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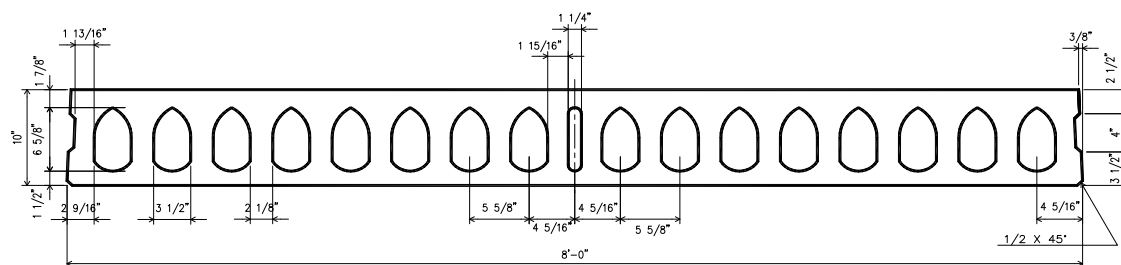


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.25" COVER – 270K STRAND



10" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 118 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 130 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 915.3 in ² I = 14,782 in ⁴				Y _t = 5.899 in Y _b = 7.101 in				A = 1006.5 in ² I = 18,188 in ⁴				Y _t = 6.318 in Y _b = 7.682 in			
b = 38.75 in wt = 118 psf								b = 38.75 in wt = 130 psf							
ΦMn ft-k/ft	25.84	34.07	42.09	49.73	57.07	64.22	71.20	ΦMn ft-k/ft	28.17	37.16	45.97	54.51	62.60	70.49	78.21
Series	1.25D-10806T3	1.25D-10808T3	1.25D-10810T3	1.25D-10812T3	1.25D-10814T3	1.25D-10816T3	1.25D-10818T3	Series	1.25D-10806T4	1.25D-10808T4	1.25D-10810T4	1.25D-10812T4	1.25D-10814T4	1.25D-10816T4	1.25D-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	155	229	664	664	664	664	664	16	167	248	731	731	731	731	731
17	135	204	613	613	613	613	613	17	146	221	674	674	674	674	674
18	111	437	561	569	569	569	569	18	120	189	612	624	624	624	624
19	91	384	495	530	530	530	530	19	97	417	539	581	581	581	581
20	73	338	438	495	495	495	495	20	78	367	477	542	542	542	542
21	58	298	389	464	464	464	464	21	62	324	424	508	508	508	508
22	45	264	347	425	436	436	436	22	48	286	377	465	477	477	477
23	34	234	310	381	411	411	411	23	169	254	337	417	449	449	449
24	136	207	277	343	388	388	388	24	147	225	301	375	424	424	424
25	118	184	248	309	367	367	367	25	128	200	270	338	401	401	401
26	103	164	223	279	334	348	348	26	111	177	242	305	363	379	379
27	89	145	200	253	301	330	330	27	96	157	218	272	322	360	360
28	77	129	180	228	268	307	314	28	74	131	188	239	285	329	342
29	65	113	160	201	239	275	299	29	54	107	159	209	252	293	326
30	50	94	137	177	213	247	279	30	35	84	134	182	222	261	297
31	35	76	117	156	190	221	251	31		65	111	157	196	232	266
32	22	60	98	136	168	198	226	32		46	90	133	171	206	238
33		46	82	118	149	177	204	33		30	71	112	149	182	212
34		33	66	100	131	158	183	34			53	92	129	160	189
35		20	52	84	114	140	164	35			37	74	110	140	167
36			39	70	99	124	147	36			23	57	92	121	148
37			28	56	85	109	131	37				42	74	104	129
38				44	71	95	116	38				28	59	88	113
39				32	58	82	103	39					44	73	97
40					46	71	90	40					31	58	83
41						58	78	41						44	70
42						47	67	42							57
43							57	43							44
44							47	44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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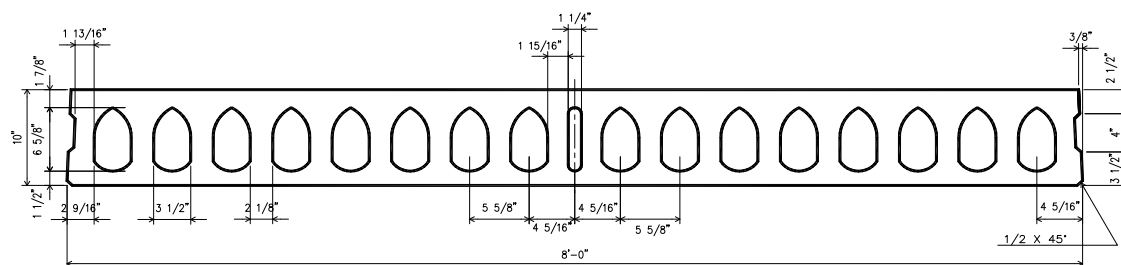
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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.50" COVER – 270K STRAND



10" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 80 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 105 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 641.4 in ²				Y _t = 4.777 in				A = 824.0 in ²				Y _t = 5.497 in			
I = 7,015 in ⁴				Y _b = 5.223 in				I = 11,819 in ⁴				Y _b = 6.503 in			
b = 38.75 in				wt = 80 psf				b = 38.75 in				wt = 105 psf			
ΦMn ft-k/ft	18.47	24.31	29.88	35.20	40.37	45.39	50.23	ΦMn ft-k/ft	22.94	30.19	37.19	43.79	50.20	56.43	62.52
Series	1.50D-10806	1.50D-10808	1.50D-10810	1.50D-10812	1.50D-10814	1.50D-10816	1.50D-10818	Series	1.50D-10806T2	1.50D-10808T2	1.50D-10810T2	1.50D-10812T2	1.50D-10814T2	1.50D-10816T2	1.50D-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	114	393	494	550	602	627	644	16	137	485	582	582	582	582	582
17	100	358	451	502	555	583	600	17	120	441	538	538	538	538	538
18	82	315	401	460	503	536	561	18	98	387	495	499	499	499	499
19	68	277	354	423	455	485	512	19	80	339	436	465	465	465	465
20	55	244	313	380	414	441	466	20	64	299	386	435	435	435	435
21	45	215	279	339	379	403	426	21	51	263	343	408	408	408	408
22	35	191	248	303	349	369	390	22	40	23	305	373	383	383	383
23	27	170	222	272	320	340	359	23	30	206	272	335	361	361	361
24	20	151	199	245	290	315	331	24	21	1832	244	301	341	341	341
25		134	179	221	263	291	307	25		163	218	271	322	323	323
26		120	161	200	238	270	286	26		144	196	245	292	306	306
27		107	145	181	217	246	265	27		128	176	221	265	291	291
28		95	130	164	197	224	246	28		114	158	200	239	272	276
29		84	117	149	180	204	225	29		101	142	181	215	245	263
30		75	106	135	164	186	206	30		89	128	162	192	221	248
31		66	95	123	150	170	189	31		77	111	144	172	199	225
32		59	86	112	137	155	173	32		64	96	127	154	179	204
33		51	77	101	124	142	159	33		51	81	111	137	161	184
34		45	69	92	113	130	145	34		40	68	97	122	145	167
35		39	62	84	103	119	134	35		30	57	83	108	130	150
36		34	55	76	93	108	123	36			46	71	95	116	135
37			49	68	85	99	112	37			36	60	83	103	122
38			43	61	77	90	103	38				49	72	91	109
39			38	54	69	82	95	39				39	61	81	98
40				47	62	75	87	40					51	70	87
41				41	56	68	79	41					42	61	77
42					49	61	72	42						51	67
43					43	56	66	43							59
44						50	60	44							51
45						45	54	45							
46							49	46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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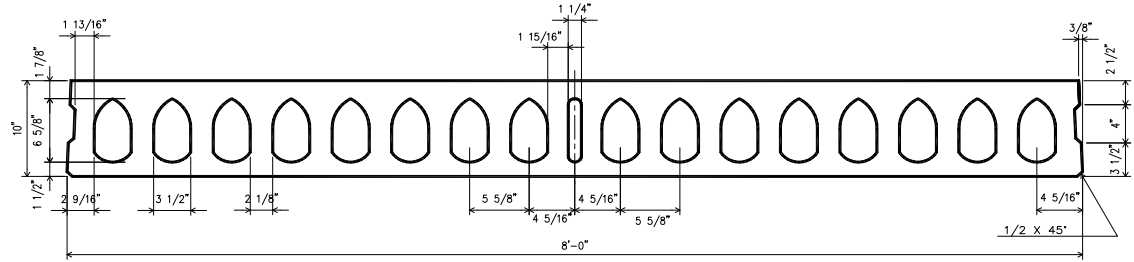


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.50" COVER – 270K STRAND



10" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 118 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 130 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 915.3 in ² I = 14,782 in ⁴				Y _t = 5.899 in Y _b = 7.101 in				A = 1006.5 in ² I = 18,188 in ⁴				Y _t = 6.318 in Y _b = 7.682 in			
b = 38.75 in wt = 118 psf								b = 38.75 in wt = 130 psf							
ΦMn ft-k/ft	25.26	33.29	41.12	48.53	55.69	62.66	69.45	ΦMn ft-k/ft	27.59	36.39	45.00	53.31	61.21	68.92	76.45
Series	1.50D-10806T3	1.50D-10808T3	1.50D-10810T3	1.50D-10812T3	1.50D-10814T3	1.50D-10816T3	1.50D-10818T3	Series	1.50D-10806T4	1.50D-10808T4	1.50D-10810T4	1.50D-10812T4	1.50D-10814T4	1.50D-10816T4	1.50D-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	150	223	646	646	646	646	646	16	162	242	712	712	712	712	712
17	130	485	596	596	596	596	596	17	141	216	656	656	656	656	656
18	107	426	546	553	553	553	553	18	115	464	597	608	608	608	608
19	87	373	481	515	515	851	515	19	93	406	526	566	566	566	566
20	70	328	426	481	481	481	481	20	75	357	465	528	528	528	528
21	55	289	378	451	451	451	451	21	59	315	413	494	494	494	494
22	42	256	337	413	423	423	423	22	45	278	367	453	464	464	464
23	31	226	300	370	399	399	399	23	163	246	328	406	437	437	437
24	131	201	269	333	376	376	376	24	142	218	293	365	412	412	412
25	114	178	241	300	356	356	356	25	123	193	262	329	390	390	390
26	99	158	216	271	323	337	337	26	106	172	235	295	348	369	369
27	85	140	194	244	288	320	320	27	89	148	206	259	307	350	350
28	73	124	174	217	257	294	304	28	67	121	175	226	272	314	333
29	61	105	150	191	228	263	290	29	47	97	148	197	239	280	316
30	45	86	128	168	203	236	267	30	29	76	123	170	210	248	284
31	30	69	108	147	179	211	240	31		57	101	145	184	220	253
32		54	90	127	158	188	216	32		39	81	122	160	194	226
33		40	74	108	139	167	194	33		23	62	101	138	170	200
34		27	59	91	122	148	173	34			45	82	118	149	177
35			45	76	106	131	155	35			30	64	99	129	156
36			33	62	91	115	138	36				48	81	111	137
37				49	76	101	122	37				34	65	94	119
38				37	63	87	108	38					49	79	103
39					50	75	94	39					35	63	88
40					39	62	82	40						49	74
41						50	71	41							61
42							60	42							47
43							50	43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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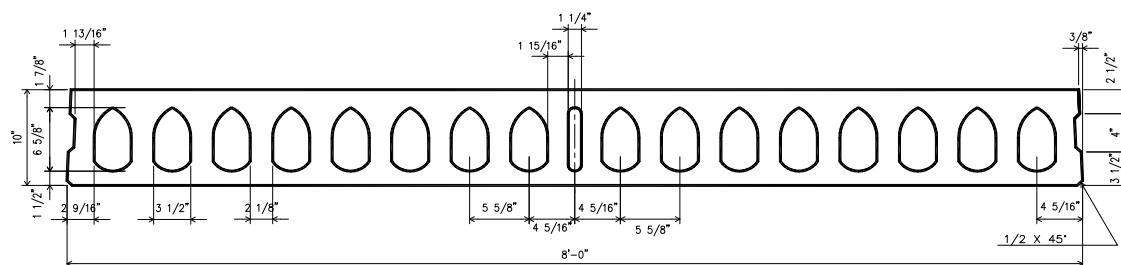


1' – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.75" COVER – 270K STRAND



10" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 80 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 105 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 641.4 in ² I = 7,015 in ⁴								A = 824.0 in ² I = 11,819 in ⁴							
Y _t = 4.777 in Y _b = 5.223 in								Y _t = 5.497 in Y _b = 6.503 in							
b = 38.75 in wt = 80 psf								b = 38.75 in wt = 105 psf							
ΦMn ft-k/ft	17.89	23.53	28.89	34.02	39.0	43.84	48.49	ΦMn ft-k/ft	22.36	29.42	36.19	42.60	48.83	54.87	60.77
Series	1.75D-10806	1.75D-10808	1.75D-10810	1.75D-10812	1.75D-10814	1.75D-10816	1.75D-10818	Series	1.75D-10806T2	1.75D-10808T2	1.75D-10810T2	1.75D-10812T2	1.75D-10814T2	1.75D-10816T2	1.75D-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	108	380	479	533	584	610	623	16	132	473	564	564	564	564	564
17	95	346	436	486	539	567	580	17	115	429	521	521	521	521	521
18	78	303	386	445	487	520	542	18	94	375	479	484	484	484	484
19	64	266	340	409	441	470	497	19	76	329	422	451	451	451	451
20	52	234	301	365	401	427	452	20	61	289	373	421	421	421	421
21	41	207	267	325	367	390	413	21	48	255	331	395	395	395	395
22	32	183	238	291	337	357	378	22	37	225	295	361	371	371	371
23	24	162	213	261	308	329	348	23	27	199	263	324	350	350	350
24		144	191	235	278	304	321	24		176	235	291	330	330	330
25		128	171	212	252	281	297	25		156	211	262	312	312	312
26		114	153	191	228	261	276	26		139	189	236	282	296	296
27		101	138	173	207	237	256	27		123	169	213	256	281	281
28		90	124	157	189	216	238	28		109	152	193	229	261	267
29		80	112	142	172	196	217	29		96	136	173	205	235	254
30		71	100	129	156	179	198	30		85	120	153	183	211	238
31		62	90	117	143	163	181	31		71	104	136	163	190	215
32		55	81	106	130	149	166	32		58	89	119	145	170	194
33		48	73	96	119	136	152	33		46	75	103	129	153	175
34		42	65	87	108	124	139	34		35	62	89	114	137	158
35		36	58	79	98	113	128	35			51	76	101	122	142
36			51	71	88	103	117	36			40	64	88	108	127
37			45	64	80	94	107	37				53	7	96	114
38			40	57	72	85	98	38				43	65	84	102
39				50	65	77	89	39					54	74	90
40					58	70	82	40					44	64	80
41						63	74	41						54	70
42						57	68	42							61
43							61	43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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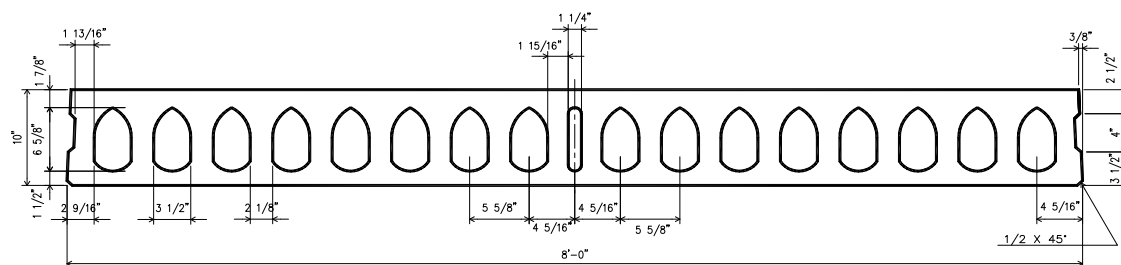


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.75" COVER – 270K STRAND



10" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 118 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 130 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 915.3 in ² I = 14,782 in ⁴				Y _t = 5.899 in Y _b = 7.101 in				A = 1006.5 in ² I = 18,188 in ⁴				Y _t = 6.318 in Y _b = 7.682 in			
b = 38.75 in wt = 118 psf								b = 38.75 in wt = 130 psf							
ΦMn ft-k/ft	24.68	32.52	40.16	47.34	54.31	61.10	67.70	ΦMn ft-k/ft	27.01	35.62	44.03	52.11	59.83	67.35	74.70
Series	1.75D-10806T3	1.75D-10808T3	1.75D-10810T3	1.75D-10812T3	1.75D-10814T3	1.75D-10816T3	1.75D-10818T3	Series	1.75D-10806T4	1.75D-10808T4	1.75D-10810T4	1.75D-10812T4	1.75D-10814T4	1.75D-10816T4	1.75D-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	144	216	627	627	627	627	627	16	156	236	693	693	693	693	693
17	125	473	579	579	579	579	579	17	136	210	639	639	639	639	639
18	102	414	531	537	537	537	537	18	111	452	582	592	592	592	592
19	83	362	468	500	500	500	500	19	89	396	512	550	550	550	550
20	66	318	414	467	467	467	467	20	71	348	453	514	514	514	514
21	52	280	367	437	437	437	437	21	55	306	402	481	481	481	481
22	39	248	327	401	411	411	411	22	181	270	357	440	452	452	452
23	28	219	291	359	387	387	387	23	158	239	319	395	425	425	425
24	126	194	260	323	365	365	365	24	137	212	285	355	401	401	401
25	109	172	233	290	345	345	345	25	118	187	255	319	375	379	379
26	94	152	209	262	309	327	327	26	102	166	226	281	331	359	359
27	81	135	187	234	275	310	310	27	81	137	193	245	292	337	340
28	69	117	163	206	244	281	295	28	60	111	163	213	257	299	323
29	55	97	140	180	217	251	281	29	40	88	137	184	226	265	303
30	39	79	118	158	192	224	255	30	22	67	113	158	197	235	270
31	25	62	99	137	169	199	228	31		49	91	133	172	207	240
32		47	82	117	149	177	205	32		32	71	111	148	181	213
33		33	66	99	130	157	183	33			53	91	127	158	188
34		21	52	83	113	139	163	34			37	72	107	137	166
35			39	68	97	122	145	35			22	55	88	118	145
36				54	82	106	128	36				39	71	101	126
37				41	68	92	113	37					55	84	109
38					55	79	99	38					40	68	93
39					43	66	86	39						53	78
40						54	74	40							64
41							63	41							50
42							52	42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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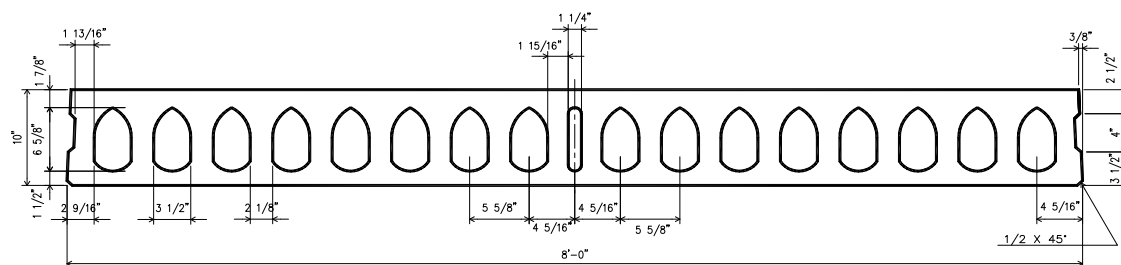


1" - 1 1/2" CAMBER

1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 2.00" COVER – 270K STRAND



10" x 96" STD. SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 80 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 105 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 641.4 in ² I = 7,015 in ⁴								A = 824.0 in ² I = 11,819 in ⁴							
Y _t = 4.777 in Y _b = 5.223 in								Y _t = 5.497 in Y _b = 6.503 in							
b = 38.75 in wt = 80 psf								b = 38.75 in wt = 105 psf							
ΦMn ft-k/ft	17.31	22.76	27.90	32.84	37.64	42.29	46.74	ΦMn ft-k/ft	21.78	28.64	35.19	41.42	47.46	53.32	59.02
Series	2.00D-10806	2.00D-10808	2.00D-10810	2.00D-10812	2.00D-10814	2.00D-10816	2.00D-10818	Series	2.00D-10806T2	2.00D-10808T2	2.00D-10810T2	2.00D-10812T2	2.00D-10814T2	2.00D-10816T2	2.00D-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	103	367	463	516	566	592	612	16	126	460	546	546	546	546	546
17	90	334	422	470	521	549	574	17	110	417	504	504	504	504	504
18	73	291	370	430	477	509	538	18	89	363	464	468	468	468	468
19	60	255	326	395	432	460	487	19	72	318	408	436	436	436	436
20	48	224	288	350	394	418	443	20	57	279	361	407	407	407	407
21	38	198	256	312	359	382	404	21	45	246	320	382	382	382	382
22	29	175	228	279	329	351	371	22	34	217	285	349	359	359	359
23	22	155	203	250	296	322	340	23	24	192	254	312	338	338	338
24		137	182	225	266	298	314	24		170	227	281	319	319	319
25		122	146	203	241	276	290	25		150	203	252	301	302	302
26		108	131	183	218	252	270	26		133	181	227	272	286	286
27		96	118	165	198	228	251	27		118	162	205	244	272	272
28		85	106	149	180	207	229	28		104	146	185	218	249	258
29		75	95	135	164	188	209	29		91	130	164	194	224	246
30		66	85	122	149	171	190	30		79	112	145	17	201	227
31		58	76	111	136	156	174	31		65	96	127	154	180	204
32		51	68	100	124	142	159	32		52	81	110	137	161	184
33		44	61	91	113	129	145	33		41	68	95	121	144	165
34		38	54	82	102	118	133	34		30	56	82	106	128	149
35		33	48	74	92	107	121	35			45	69	93	114	133
36			42	67	83	97	111	36				57	80	100	119
37				60	75	88	101	37				47	68	88	106
38				52	67	80	92	38					57	77	94
39					60	72	84	39					47	67	83
40					53	65	77	40						57	73
41						59	70	41							63
42							63	42							
43								43							
44								44							
45								45							
46								46							

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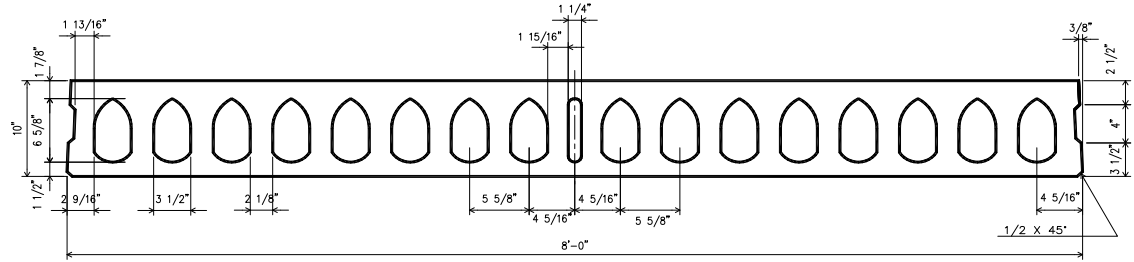


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 2.00" COVER – 270K STRAND



10" x 96" STD. SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 118 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 130 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 915.3 in ² I = 14,782 in ⁴								A = 1006.5 in ² I = 18,188 in ⁴							
Y _t = 5.899 in Y _b = 7.101 in								Y _t = 6.318 in Y _b = 7.682 in							
b = 38.75 in wt = 118 psf								b = 38.75 in wt = 130 psf							
ΦMn ft-k/ft	24.10	31.74	39.19	46.15	52.94	59.54	65.96	ΦMn ft-k/ft	26.42	34.84	43.06	50.92	58.44	65.79	72.95
Series	2.00D-10806T3	2.00D-10808T3	2.00D-10810T3	2.00D-10812T3	2.00D-10814T3	2.00D-10816T3	2.00D-10818T3	Series	2.00D-10806T4	2.00D-10808T4	2.00D-10810T4	2.00D-10812T4	2.00D-10814T4	2.00D-10816T4	2.00D-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	139	508	609	609	609	609	609	16	151	230	674	674	674	674	674
17	120	461	562	562	562	562	562	17	131	505	621	621	621	621	621
18	98	402	516	521	521	521	521	18	106	440	567	576	576	576	576
19	79	351	454	485	485	485	485	19	85	385	499	535	535	535	535
20	62	309	401	453	453	453	453	20	68	338	441	500	500	500	500
21	48	272	356	424	424	424	424	21	52	297	391	468	468	468	468
22	36	240	316	388	399	399	399	22	175	262	347	428	439	439	439
23	140	212	282	348	375	375	375	23	152	232	309	383	413	413	413
24	121	187	252	312	354	354	354	24	132	205	276	344	390	390	390
25	105	166	225	281	333	335	335	25	114	181	247	305	358	368	368
26	90	147	202	252	295	317	317	26	97	155	212	266	315	348	348
27	77	129	177	221	261	300	301	27	74	127	180	231	277	321	330
28	65	109	152	194	231	267	286	28	52	102	151	200	243	284	314
29	49	89	130	169	204	238	270	29	33	79	125	171	212	250	287
30	33	71	109	147	180	212	242	30		59	102	145	184	220	255
31	20	55	91	126	158	188	216	31		41	81	121	159	193	226
32		41	74	107	138	166	193	32		24	62	100	137	169	199
33		27	58	90	120	146	172	33			45	80	116	146	175
34			45	74	103	128	152	34			29	62	96	126	153
35			32	60	87	112	135	35				46	77	107	133
36				46	73	97	118	36				31	61	90	115
37					59	83	104	37					45	73	98
38					46	70	90	38						58	82
39						57	77	39						43	67
40							65	40							54
41							54	41							
42								42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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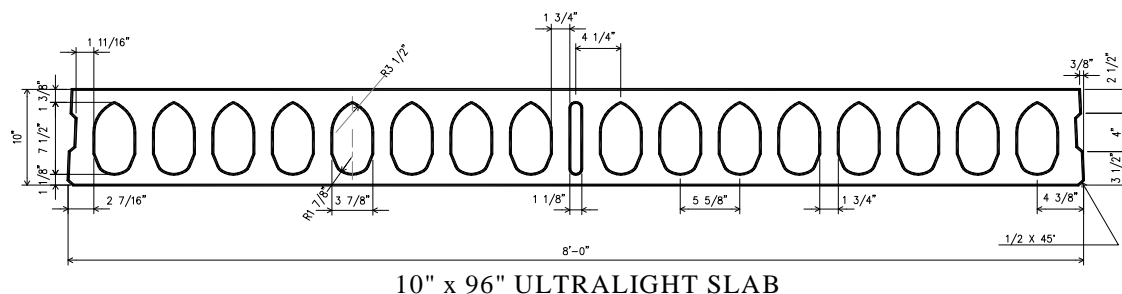


1' - 1 1/2" CAMBER

1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 71 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 566.9 in ² Y _t = 4.799 in b = 32.875 in I = 6548 in ⁴ Y _b = 5.201 in wt = 71 psf								A = 749.5 in ² Y _t = 5.386 in b = 32.875 in I = 11,253 in ⁴ Y _b = 6.614 in wt = 96 psf							
ΦMn ft-k/ft	19.63	25.86	31.88	37.56	43.02	48.27	53.23	ΦMn ft-k/ft	24.10	31.74	39.19	46.15	52.94	59.54	65.99
Series	1.00E-10806	1.00E-10808	1.00E-10810	1.00E-10812	1.00E-10814	1.00E-10816	1.00E-10818	Series	1.00E-10806T2	1.00E-10808T2	1.00E-10810T2	1.00E-10812T2	1.00E-10814T2	1.00E-10816T2	1.00E-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	130	423	527	579	590	590	590	16	153	514	625	625	625	625	625
17	116	386	477	519	550	550	550	17	136	468	579	579	579	579	579
18	98	346	430	468	502	515	515	18	114	418	532	538	538	538	538
19	83	305	388	423	455	483	483	19	95	368	470	501	501	501	501
20	70	270	345	385	413	439	455	20	79	325	418	469	469	469	469
21	58	240	308	352	378	402	423	21	65	288	372	441	441	441	441
22	48	214	276	323	347	368	388	22	53	256	333	405	415	415	415
23	40	191	248	298	319	339	357	23	42	228	298	364	392	392	392
24	32	171	223	273	295	313	330	24	33	204	268	328	368	370	370
25	25	154	202	247	273	290	305	25	25	182	241	297	340	351	351
26		138	183	225	254	269	283	26	17	163	218	269	314	333	333
27		124	165	204	236	250	264	27	93	146	197	244	291	311	317
28		112	150	186	218	234	246	28	82	131	178	222	264	288	302
29		101	136	170	199	218	230	29	71	117	161	202	239	269	285
30		91	124	155	182	203	216	30	62	104	146	184	216	245	265
31		81	113	142	167	186	202	31	53	93	132	166	195	222	247
32		73	102	130	153	171	188	32	46	83	119	149	177	202	226
33		66	93	119	140	158	174	33	39	72	106	134	160	184	206
34		59	85	109	129	145	161	34	29	61	92	119	144	167	188
35		52	77	100	118	134	148	35	20	50	80	106	130	151	172
36		47	70	92	109	124	137	36		40	68	94	117	137	157
37		41	63	84	100	114	127	37		31	58	83	105	124	143
38		36	57	77	91	105	118	38			48	73	94	112	130
39		32	52	70	84	97	109	39			39	63	83	101	118
40			46	63	77	89	101	40				53	74	91	107
41			42	58	70	82	93	41				44	65	82	97
42				52	64	76	86	42				36	57	73	88
43				46	59	70	80	43					48	64	79
44					53	64	74	44					40	57	71
45					48	59	68	45						50	63
46					44	54	63	46						43	56

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



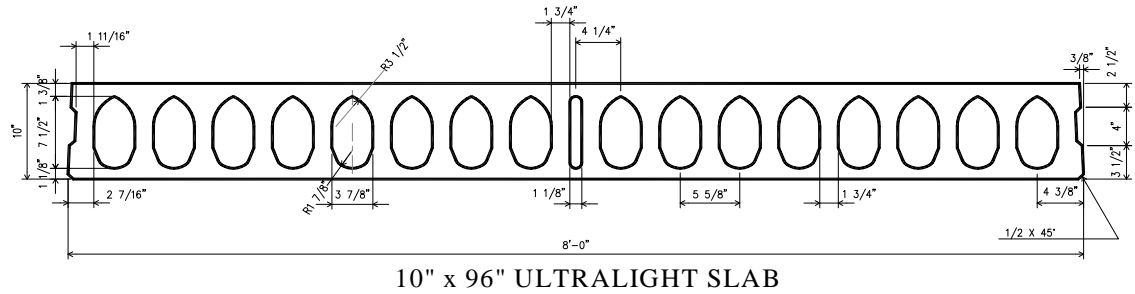
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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.00" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 840.8 in ² I = 14,081 in ⁴				Y _t = 5.747 in Y _b = 7.253 in				A = 932.0 in ² I = 17,302 in ⁴				Y _t = 6.135 in Y _b = 7.865 in			
b = 32.875 in wt = 108 psf								b = 32.875 in wt = 121 psf							
ΦMn ft-k/ft	26.42	34.84	43.06	50.92	58.45	65.79	72.94	ΦMn ft-k/ft	28.75	37.94	46.93	55.71	63.98	72.07	79.96
Series	1.00E-10806T3	1.00E-10808T3	1.00E-10810T3	1.00E-10812T3	1.00E-10814T3	1.00E-10816T3	1.00E-10818T3	Series	1.00E-10806T4	1.00E-10808T4	1.00E-10810T4	1.00E-10812T4	1.00E-10814T4	1.00E-10816T4	1.00E-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	166	561	690	690	690	690	690	16	178	259	757	757	757	757	757
17	146	511	638	638	638	638	638	17	157	555	697	698	698	698	698
18	123	456	583	592	592	592	592	18	131	495	634	648	648	648	648
19	102	401	515	552	552	552	552	19	108	435	559	603	603	603	603
20	84	354	457	516	516	516	516	20	89	384	496	564	564	564	564
21	69	314	407	484	484	484	484	21	72	339	441	528	528	528	528
22	55	279	364	444	455	455	455	22	58	301	394	484	497	497	497
23	44	248	326	400	429	429	429	23	48	268	353	436	468	468	468
24	34	221	293	360	405	406	406	24	39	239	317	393	442	442	442
25	26	197	263	326	372	384	384	25	32	213	285	355	405	418	418
26	20	176	237	295	344	365	365	26	26	190	256	321	374	397	397
27	16	158	214	268	316	340	347	27	21	170	231	290	339	369	377
28	13	141	193	243	284	315	330	28	17	151	208	257	303	342	359
29	11	126	175	218	255	290	310	29	14	127	181	227	270	310	337
30	9	112	156	194	229	262	289	30	11	105	157	200	240	278	313
31	7	94	137	172	206	237	265	31	9	85	133	176	214	249	282
32	6	78	118	153	184	214	241	32	7	66	112	153	189	223	254
33	5	63	101	135	165	193	218	33	6	50	93	133	167	199	229
34	4	50	86	119	147	174	198	34	5	35	75	115	147	177	205
35	3	38	71	104	131	156	179	35	4	21	59	97	129	158	184
36	2	27	58	90	116	140	162	36	3	14	44	80	112	139	165
37	1	18	46	77	102	125	146	37	2	9	31	65	96	123	147
38		13	35	64	90	111	132	38	1	6	21	51	82	107	130
39		10	26	52	78	99	118	39	1	4	16	37	68	93	115
40		8	21	41	67	87	106	40		3	12	25	54	79	101
41		6	17	31	56	76	94	41		2	9	19	41	67	88
42		5	14	26	45	66	83	42		1	7	15	30	56	76
43		4	11	21	36	57	73	43		1	5	12	25	44	64
44		3	9	17	30	48	64	44		1	4	10	21	32	54
45		2	7	14	25	38	55	45		1	3	8	17	25	44
46		1	6	11	20	30	47	46		1	2	6	13	19	32

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.

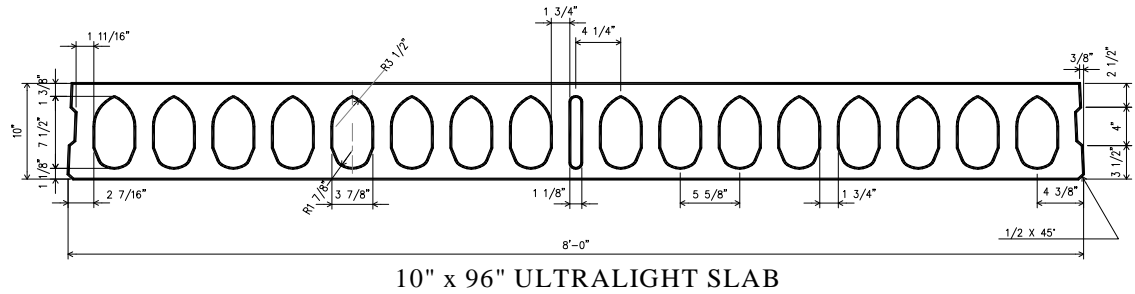


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.25" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 71 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 566.9 in ² Y _t = 4.799 in b = 32.875 in I = 6548 in ⁴ Y _b = 5.201 in wt = 71 psf								A = 749.5 in ² Y _t = 5.386 in b = 32.875 in I = 11,253 in ⁴ Y _b = 6.614 in wt = 96 psf							
ΦMn ft-k/ft	19.05	25.08	30.88	36.38	41.66	46.72	51.49	ΦMn ft-k/ft	23.52	30.97	38.19	44.97	51.57	57.98	64.25
Series	1.25E-10806	1.25E-10808	1.25E-10810	1.25E-10812	1.25E-10814	1.25E-10816	1.25E-10818	Series	1.25E-10806T2	1.25E-10808T2	1.25E-10810T2	1.25E-10812T2	1.25E-10814T2	1.25E-10816T2	1.25E-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	125	411	513	564	572	572	572	16	148	502	607	607	607	607	607
17	111	374	464	505	533	533	533	17	131	457	562	562	562	562	562
18	94	334	418	455	489	498	498	18	110	406	517	522	522	522	522
19	79	294	374	412	443	468	468	19	91	357	457	487	487	487	487
20	66	260	333	375	402	428	440	20	75	315	405	456	456	456	456
21	55	231	297	342	367	391	413	21	61	279	361	428	428	428	428
22	45	206	266	314	337	359	378	22	50	248	322	392	403	403	403
23	37	184	239	289	310	330	348	23	39	221	289	353	380	380	380
24	30	165	215	262	286	304	321	24	30	197	259	318	358	359	359
25	23	148	194	238	265	282	297	25	22	176	233	288	330	340	340
26		132	175	216	246	262	276	26	102	157	210	261	305	323	323
27		119	159	196	229	243	257	27	89	141	190	236	282	302	307
28		107	144	179	211	227	240	28	78	126	172	215	255	280	293
29		96	130	163	193	212	223	29	68	112	155	195	230	260	277
30		86	118	149	176	197	209	30	59	100	140	178	208	236	258
31		77	107	136	161	181	196	31	50	89	127	159	188	214	239
32		69	98	124	148	166	183	32	43	79	113	142	169	194	218
33		62	89	114	135	153	169	33	35	67	99	127	152	176	199
34		55	80	104	124	140	156	34	26	56	86	113	137	160	181
35		49	73	95	114	129	144	35		45	74	100	123	145	165
36		44	66	87	104	119	133	36		36	62	89	110	131	150
37		38	60	80	95	110	123	37			52	78	99	118	136
38		34	54	73	87	101	113	38			43	67	88	106	124
39			48	66	80	93	105	39			34	57	78	95	112
40			43	60	73	85	97	40				48	68	85	101
41				54	67	78	89	41				39	60	76	91
42				48	61	72	83	42					51	67	82
43					55	66	76	43					43	59	73
44					50	60	70	44						52	65
45						55	65	45							58
46						50	59	46							51

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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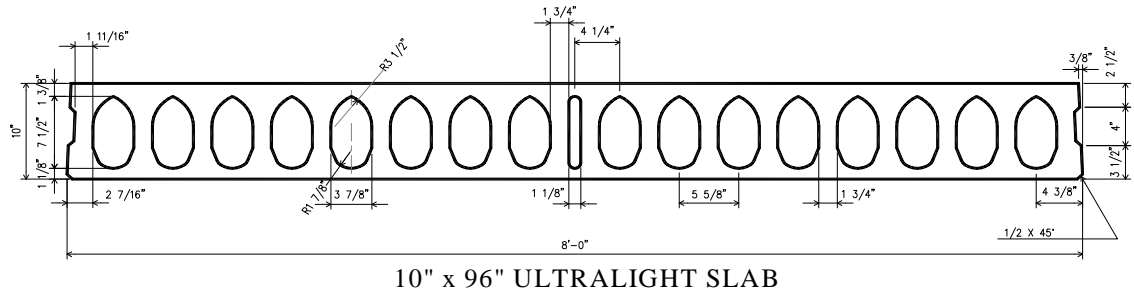


1' - 1-1/2' CAMBER

1-1/2' - 2' CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.25" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 840.8 in ² I = 14,081 in ⁴				Y _t = 5.747 in Y _b = 7.253 in				A = 932.0 in ² I = 17,302 in ⁴				Y _t = 6.135 in Y _b = 7.865 in			
b = 32.875 in wt = 108 psf								b = 32.875 in wt = 121 psf							
ΦMn ft-k/ft	25.84	34.07	42.09	49.73	57.07	64.22	71.19	ΦMn ft-k/ft	28.17	37.16	45.97	54.51	62.59	70.49	78.20
Series	1.25E-10806T3	1.25E-10808T3	1.25E-10810T3	1.25E-10812T3	1.25E-10814T3	1.25E-10816T3	1.25E-10818T3	Series	1.25E-10806T4	1.25E-10808T4	1.25E-10810T4	1.25E-10812T4	1.25E-10814T4	1.25E-10816T4	1.25E-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	161	550	671	671	671	671	671	16	173	253	738	738	738	738	738
17	142	500	620	620	620	620	620	17	153	544	681	681	681	681	681
18	118	444	568	576	576	576	576	18	127	483	619	631	631	631	631
19	98	391	502	537	537	537	537	19	104	424	546	588	588	588	588
20	80	345	445	502	502	502	502	20	85	374	484	549	549	549	549
21	65	305	396	471	471	471	471	21	69	331	430	515	515	515	515
22	52	271	354	432	443	443	443	22	55	293	384	472	484	484	484
23	41	241	317	388	418	418	418	23	43	261	344	424	456	456	456
24	32	214	284	350	393	395	395	24	33	232	308	382	430	431	431
25	25	191	255	316	363	374	374	25	25	207	277	345	393	408	408
26	19	171	230	286	334	355	355	26	19	184	249	312	363	386	386
27	15	152	207	260	305	330	337	27	15	164	225	278	326	359	367
28	12	136	187	234	274	306	321	28	12	142	197	245	290	332	349
29	10	121	169	208	245	280	302	29	10	118	171	216	258	298	327
30	8	104	148	185	220	252	281	30	8	96	146	190	229	267	301
31	6	87	128	164	197	227	256	31	6	77	124	166	203	238	271
32	5	71	110	145	176	205	232	32	5	59	103	144	179	213	244
33	4	57	94	127	157	184	210	33	4	43	84	124	158	189	219
34	3	44	78	111	139	165	190	34	3	28	67	106	138	168	196
35	2	32	65	97	123	148	171	35	2	21	51	88	120	148	175
36	1	22	52	82	109	132	154	36	1	15	37	72	103	130	156
37	1	16	40	69	95	118	139	37	1	11	24	57	88	114	138
38	1	12	29	57	83	104	124	38	1	8	18	43	74	99	122
39	1	9	21	46	71	92	111	39	1	6	14	30	59	85	107
40	1	7	17	35	60	80	99	40	1	5	12	26	46	72	93
41	1	6	14	28	49	70	87	41	1	4	10	22	34	59	80
42	1	5	11	23	39	60	77	42	1	3	9	19	29	47	68
43	1	4	10	20	34	50	67	43	1	2	8	17	26	36	57
44	1	3	9	18	30	41	58	44	1	1	7	15	23	32	46
45	1	2	8	16	27	37	49	45	1	1	6	13	20	28	40
46	1	1	7	14	24	33	44	46	1	1	5	11	17	24	35

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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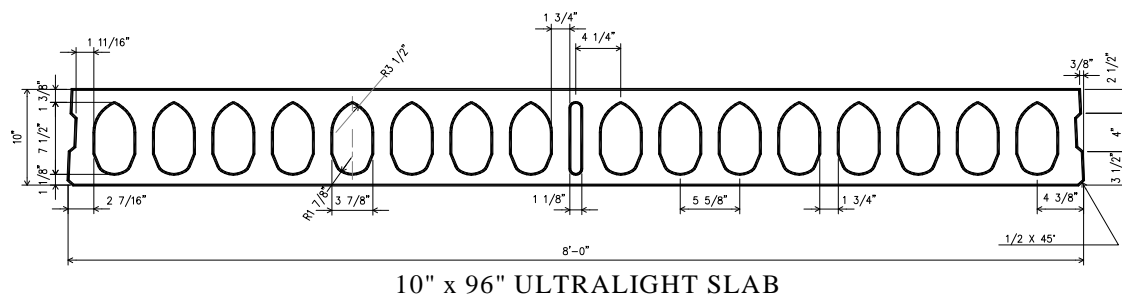


1' - 1-1/2" CAMBER

1-1/2" - 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.50" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 71 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 566.9 in ² Y _t = 4.799 in b = 32.875 in I = 6548 in ⁴ Y _b = 5.201 in wt = 71 psf								A = 749.5 in ² Y _t = 5.386 in b = 32.875 in I = 11,253 in ⁴ Y _b = 6.614 in wt = 96 psf							
ΦMn ft-k/ft	18.47	24.31	29.88	35.20	40.30	45.17	49.74	ΦMn ft-k/ft	22.94	30.19	37.19	43.78	50.19	56.42	62.51
Series	1.50E-10806	1.50E-10808	1.50E-10810	1.50E-10812	1.505E-10814	1.50E-10816	1.50E-10818	Series	1.50E-10806T2	1.50E-10808T2	1.50E-10810T2	1.50E-10812T2	1.50E-10814T2	1.50E-10816T2	1.50E-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	120	398	498	548	554	554	554	16	144	489	579	589	589	589	589
17	106	362	450	491	516	516	516	17	127	445	545	545	545	545	545
18	89	322	4063	442	475	482	482	18	105	394	502	506	506	506	506
19	75	284	361	399	430	453	453	19	87	346	443	472	472	472	472
20	62	251	320	363	391	416	426	20	71	306	393	442	442	442	442
21	52	222	286	331	357	380	402	21	58	270	350	415	415	415	415
22	42	198	255	304	327	348	368	22	47	240	312	380	390	390	390
23	34	177	229	279	300	320	339	23	37	213	279	342	368	368	368
24	27	158	206	252	278	295	312	24	28	190	251	308	347	348	348
25	21	141	186	228	256	273	289	25	20	170	225	278	320	330	330
26		127	168	207	238	253	268	26	98	151	203	252	295	313	313
27		114	152	188	221	236	249	27	85	135	183	228	272	293	298
28		102	137	171	204	220	232	28	74	121	165	207	246	271	283
29		91	124	156	186	205	217	29	64	108	149	188	221	251	269
30		82	113	142	170	191	202	30	56	96	135	170	199	227	250
31		73	102	130	156	175	190	31	47	85	122	151	179	206	230
32		66	93	119	142	160	177	32	40	74	106	135	161	186	210
33		58	84	108	130	147	163	33	31	62	92	120	145	169	191
34		46	76	99	119	135	150	34	22	51	79	106	130	152	173
35		41	69	90	109	124	139	35		40	68	94	116	138	157
36		36	62	83	100	114	128	36		31	57	82	104	124	143
37		31	56	75	91	105	118	37			47	71	92	111	129
38			50	69	83	96	109	38			38	61	82	100	117
39			45	62	76	88	100	39				51	72	89	106
40				56	69	81	93	40				42	63	79	95
41				50	63	74	85	41					54	70	85
42					57	68	79	42					45	62	76
43					52	62	72	43						54	68
44						57	66	44							60
45							61	45							52
46							56	46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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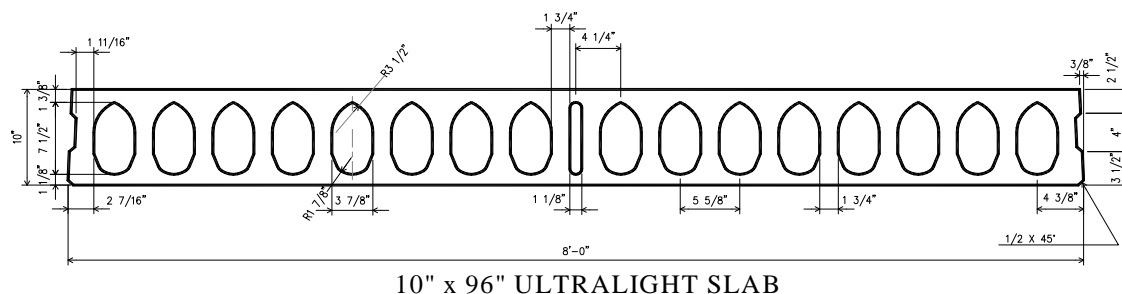


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.50" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 840.8 in ² I = 14,081 in ⁴				Y _t = 5.747 in Y _b = 7.253 in				A = 932.0 in ² I = 17,302 in ⁴				Y _t = 6.135 in Y _b = 7.865 in			
b = 32.875 in wt = 108 psf								b = 32.875 in wt = 121 psf							
ΦMn ft-k/ft	25.26	33.29	41.12	48.53	55.69	62.66	69.44	ΦMn ft-k/ft	27.59	36.39	45.00	53.31	61.21	68.92	76.45
Series	1.50E-10806T3	1.50E-10808T3	1.50E-10810T3	1.50E-10812T3	1.50E-10814T3	1.50E-10816T3	1.50E-10818T3	Series	1.50E-10806T4	1.50E-10808T4	1.50E-10810T4	1.50E-10812T4	1.50E-10814T4	1.50E-10816T4	1.50E-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	156	537	653	653	653	653	653	16	169	586	719	719	719	719	719
17	137	489	603	603	603	603	603	17	148	533	663	663	663	663	663
18	114	432	553	560	560	560	560	18	122	471	604	615	615	615	615
19	94	380	488	522	522	522	522	19	100	413	533	573	573	573	573
20	77	335	433	488	488	488	488	20	82	364	472	535	535	535	535
21	62	296	385	458	458	458	458	21	66	322	420	501	501	501	501
22	49	263	344	420	430	430	430	22	194	285	274	460	471	471	471
23	38	23	307	377	406	406	406	23	170	253	335	413	444	444	444
24	138	208	276	340	382	383	383	24	149	225	300	372	416	419	419
25	121	185	248	307	352	363	363	25	130	200	269	336	382	397	397
26	106	165	223	278	323	344	344	26	113	179	242	301	351	376	376
27	92	147	201	251	293	321	327	27	99	158	215	265	313	347	357
28	80	131	181	224	263	297	311	28	77	132	186	233	278	319	340
29	69	115	160	198	235	269	293	29	58	109	160	205	246	285	317
30	55	97	139	176	210	242	272	30	40	88	136	179	218	254	289
31	41	80	120	155	187	217	246	31	24	69	114	155	192	227	259
32	28	65	102	136	167	195	222	32		52	94	134	169	202	232
33	16	51	86	119	148	175	200	33		36	75	115	148	179	208
34		38	71	104	131	156	181	34		22	59	96	128	158	185
35		27	58	89	115	140	162	35			44	79	111	138	165
36			45	75	101	124	146	36			30	63	94	121	146
37			34	62	88	110	131	37				48	79	105	129
38				50	75	97	116	38				35	65	90	113
39				39	64	84	103	39					51	76	98
40					53	73	91	40					38	63	84
41					42	63	80	41						51	71
42						53	70	42						39	60
43						43	60	43							49
44							51	44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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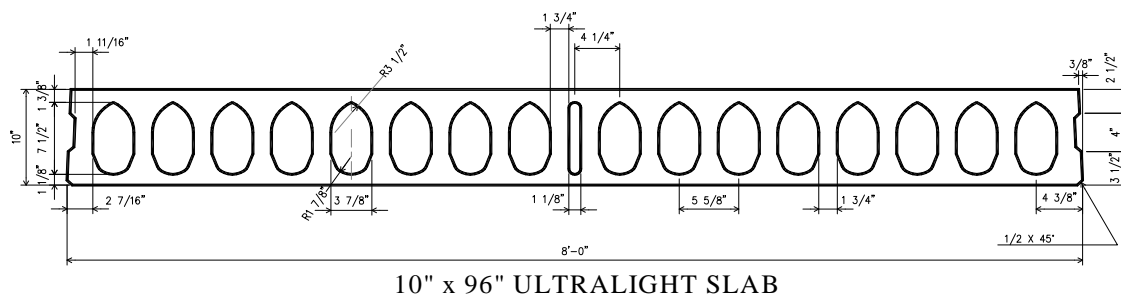
1' – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.75" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 71 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 566.9 in ² Y _t = 4.799 in b = 32.875 in I = 6548 in ⁴ Y _b = 5.201 in wt = 71 psf								A = 749.5 in ² Y _t = 5.386 in b = 32.875 in I = 11,253 in ⁴ Y _b = 6.614 in wt = 96 psf							
ΦMn ft-k/ft	17.89	23.53	28.89	34.02	38.94	43.62	47.99	ΦMn ft-k/ft	22.36	29.42	36.19	42.60	48.83	54.87	60.76
Series	1.75E-10806	1.75E-10808	1.75E-10810	1.75E-10812	1.75E-10814	1.75E-10816	1.75E-10818	Series	1.75E-10806T2	1.75E-10808T2	1.75E-10810T2	1.75E-10812T2	1.75E-10814T2	1.75E-10816T2	1.75E-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	115	385	482	532	535	535	535	16	139	477	571	571	571	571	571
17	102	351	436	476	498	498	498	17	122	434	528	528	528	528	528
18	85	310	392	428	461	466	466	18	101	382	486	491	491	491	491
19	71	273	347	387	417	437	437	19	83	336	429	458	458	458	458
20	59	241	308	352	379	404	411	20	68	296	380	428	428	428	428
21	48	214	274	321	345	369	388	21	55	262	338	402	402	402	402
22	39	190	245	294	316	338	357	22	44	232	302	368	378	378	378
23	31	169	220	268	291	310	329	23	34	206	270	331	357	357	357
24	24	151	198	242	268	286	303	24	25	183	242	298	336	337	337
25		135	178	219	248	264	280	25	18	163	218	269	310	319	319
26		121	160	198	230	245	259	26	93	146	196	243	285	303	303
27		108	145	180	213	228	241	27	81	130	176	220	262	283	288
28		97	131	164	195	212	224	28	71	116	159	200	235	262	274
29		87	119	149	178	198	210	29	61	103	143	181	212	241	260
30		78	107	136	163	184	196	30	52	92	129	161	190	218	241
31		69	97	124	149	168	184	31	44	81	114	144	171	197	221
32		62	88	113	136	154	171	32	37	68	99	128	153	178	201
33		55	79	103	125	141	157	33	27	56	85	113	137	160	182
34		49	72	94	114	130	145	34		45	73	100	123	144	165
35		43	65	86	104	119	133	35		36	62	87	109	130	150
36		38	58	78	95	109	123	36			51	76	97	117	135
37		33	52	71	86	100	113	37			41	65	86	104	122
38			47	65	79	92	104	38				55	75	93	110
39			42	58	72	84	96	39				45	66	83	99
40				52	65	77	88	40					56	73	89
41					59	70	81	41					48	64	79
42					53	64	74	42						56	70
43						58	68	43							62
44							62	44							
45							57	45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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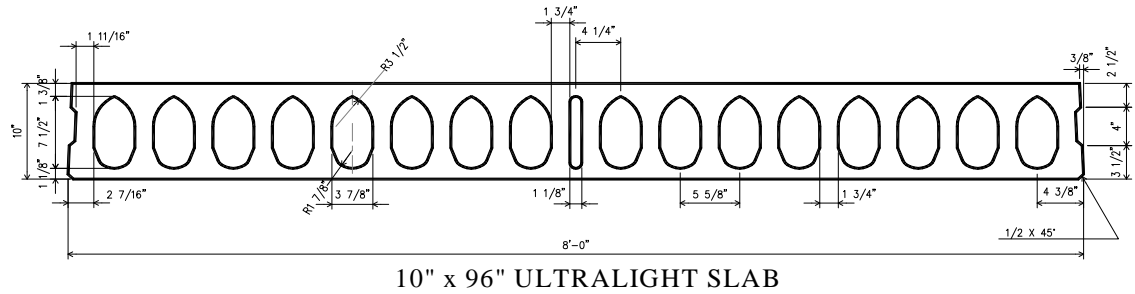


1' - 1 1/2" CAMBER

1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 1.75" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 840.8 in ² I = 14,081 in ⁴				Y _t = 5.747 in Y _b = 7.253 in				A = 932.0 in ² I = 17,302 in ⁴				Y _t = 6.135 in Y _b = 7.865 in			
b = 32.875 in wt = 108 psf								b = 32.875 in wt = 121 psf							
ΦMn ft-k/ft	24.68	32.52	40.16	47.34	54.31	61.10	67.70	ΦMn ft-k/ft	27.01	35.62	44.03	52.11	59.82	67.35	74.69
Series	1.75E-10806T3	1.75E-10808T3	1.75E-10810T3	1.75E-10812T3	1.75E-10814T3	1.75E-10816T3	1.75E-10818T3	Series	1.75E-10806T4	1.75E-10808T4	1.75E-10810T4	1.75E-10812T4	1.75E-10814T4	1.75E-10816T4	1.75E-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	151	525	634	634	634	634	634	16	163	573	700	700	700	700	700
17	132	477	586	586	586	586	586	17	143	521	646	646	646	646	646
18	109	421	538	544	544	544	544	18	118	459	589	599	599	599	599
19	90	369	475	507	507	507	507	19	96	403	519	557	557	557	557
20	73	325	421	474	474	474	474	20	78	355	460	521	521	521	521
21	59	287	374	444	444	444	444	21	62	313	409	488	488	488	488
22	46	255	334	407	418	418	418	22	188	277	364	445	459	459	459
23	152	226	298	366	394	394	394	23	165	246	325	402	432	432	432
24	133	201	267	329	369	372	372	24	14	219	292	361	403	408	408
25	116	179	240	297	340	352	352	25	125	194	262	326	370	386	386
26	101	159	216	269	312	334	334	26	109	173	235	287	337	365	366
27	88	142	194	240	281	310	317	27	91	148	203	252	298	337	347
28	76	126	173	213	251	286	302	28	70	122	175	221	264	305	330
29	64	107	151	188	224	257	284	29	51	100	149	193	233	272	308
30	49	89	130	166	199	231	261	30	34	79	125	168	206	242	276
31	35	73	111	146	177	207	235	31		61	104	145	181	215	247
32	23	58	94	127	157	185	212	32		44	84	124	158	190	220
33		45	78	111	139	165	190	33		29	67	105	137	167	196
34		33	64	95	122	147	171	34			51	86	118	147	174
35			51	81	107	131	153	35			36	69	101	128	154
36			39	67	93	116	137	36				54	85	111	136
37				55	80	102	122	37				40	70	95	119
38				43	68	89	108	38					55	81	103
39					56	77	95	39					42	67	89
40					45	66	84	40						55	75
41						56	73	41						42	63
42						46	62	42							51
43							53	43							
44								44							
45								45							
46								46							

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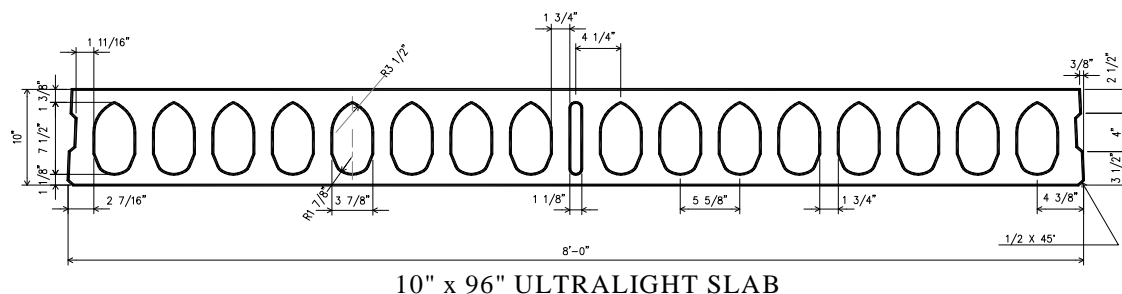
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 2.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 71 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 566.9 in ² Y _t = 4.799 in b = 32.875 in I = 6548 in ⁴ Y _b = 5.201 in wt = 71 psf								A = 749.5 in ² Y _t = 5.386 in b = 32.875 in I = 11,253 in ⁴ Y _b = 6.614 in wt = 96 psf							
ΦMn ft-k/ft	17.31	22.76	27.90	32.84	37.58	42.07	46.24	ΦMn ft-k/ft	21.78	28.64	35.19	41.42	47.46	53.32	59.01
Series	2.00E-10806	2.00E-10808	2.00E-10810	2.00E-10812	2.00E-10814	2.00E-10816	2.00E-10818	Series	2.00E-10806T2	2.00E-10808T2	2.00E-10810T2	2.00E-10812T2	2.00E-10814T2	2.00E-10816T2	2.00E-10818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	110	372	467	519	535	535	535	16	133	464	553	553	553	553	553
17	97	339	426	466	498	498	498	17	116	422	511	511	511	511	511
18	80	298	377	419	451	466	466	18	96	370	471	475	475	475	475
19	67	262	333	379	408	436	437	19	79	325	415	443	443	443	443
20	55	231	295	344	371	396	411	20	64	286	368	414	414	414	414
21	45	205	263	314	338	361	382	21	52	253	327	389	389	389	389
22	36	182	235	286	310	331	350	22	41	224	292	356	366	366	366
23	29	162	210	257	284	304	322	23	31	199	261	319	345	345	345
24	22	144	189	232	262	280	297	24	23	177	233	287	324	326	326
25		129	170	209	243	259	274	25	102	157	210	259	299	309	309
26		115	153	190	225	240	254	26	89	140	188	234	275	293	293
27		103	138	172	205	223	236	27	77	125	169	212	251	273	279
28		92	125	156	186	208	220	28	67	111	152	192	225	253	265
29		82	113	142	170	193	205	29	58	98	137	172	202	230	250
30		73	102	129	156	177	192	30	49	87	122	153	181	208	232
31		65	92	118	142	162	179	31	41	75	106	135	162	187	211
32		58	83	107	130	148	164	32	33	62	92	120	145	169	191
33		51	75	98	119	135	151	33	23	51	79	106	129	152	173
34		45	68	89	108	124	139	34		40	67	93	115	136	156
35		40	61	81	99	113	127	35			56	80	102	122	141
36		35	54	74	90	104	117	36			45	69	90	109	127
37			49	67	82	95	108	37				58	79	97	115
38			43	61	74	87	99	38				48	69	86	103
39				54	67	79	91	39					59	76	92
40					61	72	83	40					50	67	82
41						66	76	41						58	72
42						60	70	42							64
43							64	43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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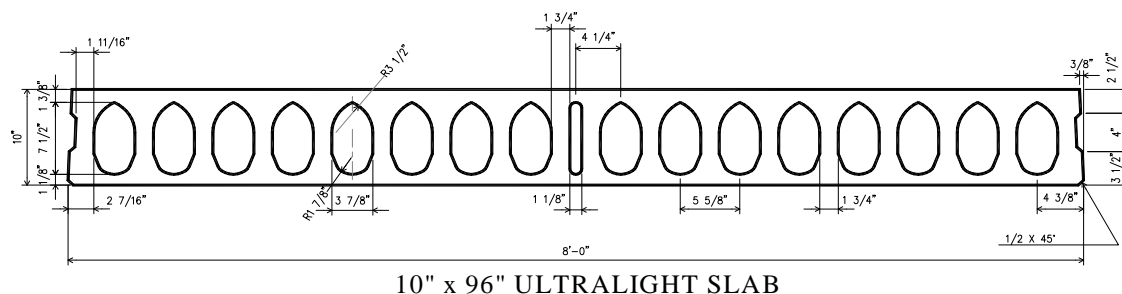


1' - 1 1/2" CAMBER

1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

10" THICK SPANCRETE® 2.00" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 840.8 in ² Y _t = 5.747 in b = 32.875 in I = 14,081 in ⁴ Y _b = 7.253 in wt = 108 psf								A = 932.0 in ² Y _t = 6.135 in b = 32.875 in I = 17,302 in ⁴ Y _b = 7.865 in wt = 121 psf							
ΦMn ft-k/ft	24.10	31.74	39.18	46.15	52.93	59.53	65.95	ΦMn ft-k/ft	26.42	34.84	43.06	50.91	58.44	65.78	72.94
Series	2.00E-10806T3	2.00E-10808T3	2.00E-10810T3	2.00E-10812T3	2.00E-10814T3	2.00E-10816T3	2.00E-10818T3	Series	2.00E-10806T4	2.00E-10808T4	2.00E-10810T4	2.00E-10812T4	2.00E-10814T4	2.00E-10816T4	2.00E-10818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	146	512	616	616	616	616	616	16	158	561	671	681	681	681	681
17	127	466	569	569	569	569	569	17	138	510	628	628	628	628	628
18	105	409	523	528	528	528	528	18	113	447	574	583	583	583	583
19	86	358	461	492	492	492	492	19	92	392	506	542	542	542	542
20	69	316	408	460	460	460	460	20	75	345	448	507	507	507	507
21	55	279	363	431	431	431	431	21	209	304	398	473	475	475	475
22	43	247	323	393	406	406	406	22	182	269	354	429	446	446	446
23	147	219	289	355	382	382	382	23	159	239	316	390	420	420	420
24	128	194	259	319	356	361	361	24	139	212	283	351	389	396	396
25	112	173	232	288	328	342	342	25	121	188	254	311	357	375	375
26	97	154	208	259	301	324	324	26	105	165	222	272	321	352	355
27	84	136	187	229	268	299	308	27	83	137	191	238	283	325	337
28	72	119	163	202	239	274	293	28	63	113	163	208	250	290	320
29	58	99	141	178	212	245	273	29	44	91	137	181	220	258	293
30	44	82	120	156	188	219	248	30	28	71	115	156	193	228	262
31	30	66	102	136	167	196	223	31		53	94	134	169	202	233
32		52	86	119	147	175	201	32		37	75	113	147	178	207
33		39	71	102	129	155	180	33		22	58	94	126	156	184
34		27	57	87	113	138	161	34			42	76	108	136	162
35			44	72	98	122	144	35			28	60	91	118	143
36				59	85	107	128	36				45	76	101	125
37				47	72	93	113	37					60	85	108
38					60	81	100	38					46	71	93
39					49	69	87	39						58	79
40						58	76	40						46	66
41							65	41							54
42							55	42							
43								43							
44								44							
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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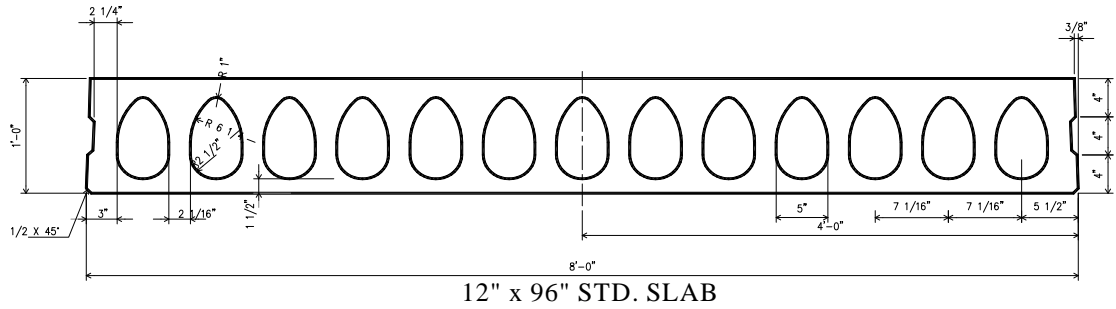


1' – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 88 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 113 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 706 in ² I = 11,599 in ⁴				Y _t = 5.685 in Y _b = 6.315 in				A = 889 in ² I = 18,152 in ⁴				Y _t = 6.311 in Y _b = 7.689 in			
ΦMn ft-k/ft	24.28	32.06	39.68	47.10	54.12			ΦMn ft-k/ft	28.75	37.94	46.93	55.71	63.97		
Series	1.00D-12806	1.00D-12808	1.00D-12810	1.00D-12812	1.00D-12814			Series	1.00D-12806T2	1.00D-12808T2	1.00D-12810T2	1.00D-12812T2	1.00D-12814T2		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	161	527	660	678	678			16	185	267	762	762	762		
17	143	481	603	631	631			17	164	239	704	704	704		
18	121	429	542	590	590			18	137	208	639	653	653		
19	102	378	483	534	553			19	114	178	565	609	609		
20	86	335	430	486	520			20	95	152	502	569	569		
21	71	297	384	443	477			21	78	130	447	534	534		
22	59	265	344	406	437			22	64	111	400	490	502		
23	49	237	309	373	401			23	51	94	359	441	474		
24	39	212	278	342	370			24	40	80	323	398	447		
25	31	190	251	310	342			25	30	67	291	360	412		
26	24	52	227	282	317			26	21	55	262	327	381		
27		44	206	257	295			27		175	237	297	352		
28		36	187	234	275			28		157	214	270	323		
29		29	170	214	255			29		141	194	246	295		
30		23	154	195	234			30		126	176	224	270		
31			140	179	215			31		112	159	205	248		
32			128	164	198			32		100	144	187	227		
33			116	150	182			33		89	131	171	209		
34			105	137	168			34		79	118	156	192		
35			96	126	155			35		70	107	142	176		
36			87	116	143			36		61	96	130	160		
37			79	106	131			37		54	87	118	145		
38			71	97	121			38		45	75	104	131		
39			64	89	112			39		36	64	92	118		
40			58	81	103			40			53	80	106		
41			52	74	95			41			44	69	95		
42			46	67	87			42			35	59	83		
43			41	61	80			43				50	73		
44			36	55	74			44				41	63		
45				50	67			45					54		
46					60			46					45		

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



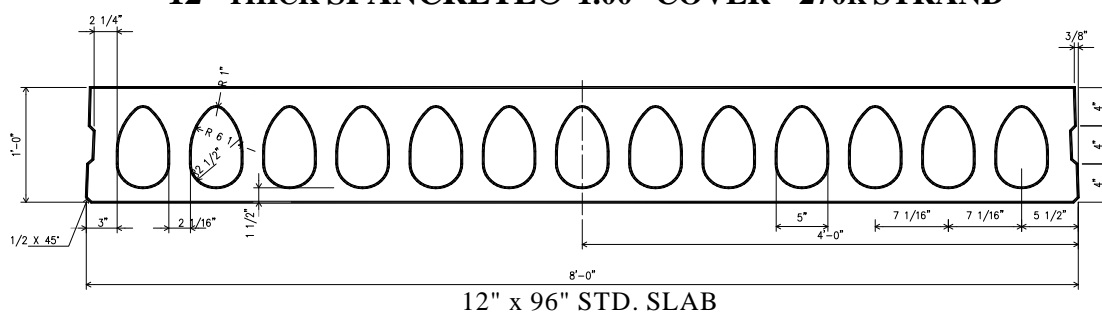
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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.00" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 126 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 138 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 980 in ² I = 22,005 in ⁴				Y _t = 6.680 in Y _b = 8.320 in				A = 1071 in ² I = 26,318 in ⁴				Y _t = 7.069 in Y _b = 8.931 in			
b = 31.0 in wt = 126 psf								b = 31.0 in wt = 138 psf							
ΦMn ft-k/ft	31.07	41.04	50.81	60.38	68.14			ΦMn ft-k/ft	33.40	44.14	54.68	65.03	75.13		
Series	1.00D-12806T3	1.00D-12808T3	1.00D-12810T3	1.00D-12812T3	1.00D-12814T3			Series	1.00D-12806T4	1.00D-12808T4	1.00D-12810T4	1.00D-12812T4	1.00D-12814T4		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	197	286	819	819	819			16	210	3060	861	861	861		
17	175	257	761	761	761			17	185	274	799	799	799		
18	145	222	690	710	710			18	154	237	740	746	746		
19	121	190	609	661	661			19	128	202	654	698	698		
20	100	162	541	618	618			20	105	172	580	656	656		
21	82	138	482	579	579			21	86	147	516	618	618		
22	66	118	431	529	544			22	69	124	461	568	584		
23	53	100	386	476	513			23	54	105	413	511	553		
24	41	84	347	430	485			24	41	88	371	461	522		
25	30	70	312	389	447			25	30	249	334	417	482		
26	21	209	282	352	412			26	20	223	301	377	443		
27		187	254	320	381			27		199	271	342	409		
28		167	230	291	349			28		178	245	311	375		
29		150	208	265	319			29		159	221	283	343		
30		134	188	241	292			30		142	200	258	313		
31		119	170	220	267			31		126	181	235	287		
32		106	154	201	245			32		112	163	214	258		
33		94	139	183	224			33		94	143	191	231		
34		83	125	167	202			34		75	122	168	206		
35		71	110	149	181			35		59	102	146	184		
36		57	94	131	163			36		43	85	126	163		
37		44	79	114	146			37		29	68	107	145		
38		33	66	99	130			38			53	90	127		
39		22	53	85	116			39			39	74	109		
40			42	72	101			40			26	60	93		
41			31	59	88			41				46	78		
42				48	75			42				34	64		
43				38	63			43					51		
44					52			44					38		
45					42			45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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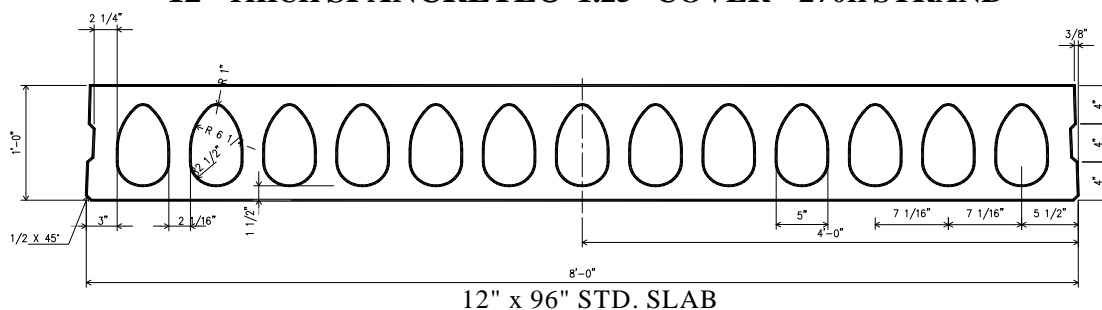


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.25" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 88 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 113 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 706 in ²				Y _t = 5.690 in				A = 889 in ²				Y _t = 6.315 in			
I = 11,599 in ⁴				Y _b = 6.310 in				I = 18,152 in ⁴				Y _b = 7.685 in			
b = 31.0 in				wt = 88 psf				b = 31.0 in				wt = 113 psf			
ΦMn ft-k/ft	23.70	31.28	38.71	45.90	52.73			ΦMn ft-k/ft	28.17	37.16	45.97	54.51	62.59		
Series	1.25D-12806	1.25D-12808	1.25D-12810	1.25D-12812	1.25D-12814			Series	1.25D-12806T2	1.25D-12808T2	1.25D-12810T2	1.25D-12812T2	1.25D-12814T2		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	156	515	645	661	661			16	180	261	743	743	743		
17	139	469	589	615	615			17	159	234	687	687	687		
18	117	417	530	574	574			18	132	202	624	637	637		
19	98	367	470	522	538			19	110	172	552	593	593		
20	82	325	418	475	506			20	91	147	490	555	555		
21	68	289	373	433	466			21	75	126	436	520	520		
22	56	95	334	396	427			22	61	107	390	478	490		
23	46	82	300	364	392			23	48	91	350	430	462		
24	37	70	270	332	361			24	37	76	314	388	436		
25	29	59	244	301	334			25	28	64	283	351	402		
26	21	50	220	273	310			26	19	53	255	318	372		
27		41	199	249	288			27		170	230	289	344		
28		34	181	226	268			28		152	208	263	314		
29		27	164	207	247			29		136	188	239	287		
30		21	149	189	227			30		122	170	218	263		
31			135	173	208			31		108	154	199	241		
32			123	158	191			32		97	140	181	221		
33			112	145	176			33		86	126	165	202		
34			101	132	162			34		76	114	151	186		
35			92	121	149			35		67	103	138	170		
36			83	111	137			36		58	92	125	154		
37			75	101	126			37		51	82	112	139		
38			68	93	116			38		41	70	99	125		
39			61	85	107			39		32	59	86	112		
40			55	77	99			40			49	75	101		
41			49	70	91			41			40	64	89		
42			44	64	83			42				54	78		
43			39	58	76			43				45	67		
44				52	70			44					58		
45				47	63			45					49		
46					57			46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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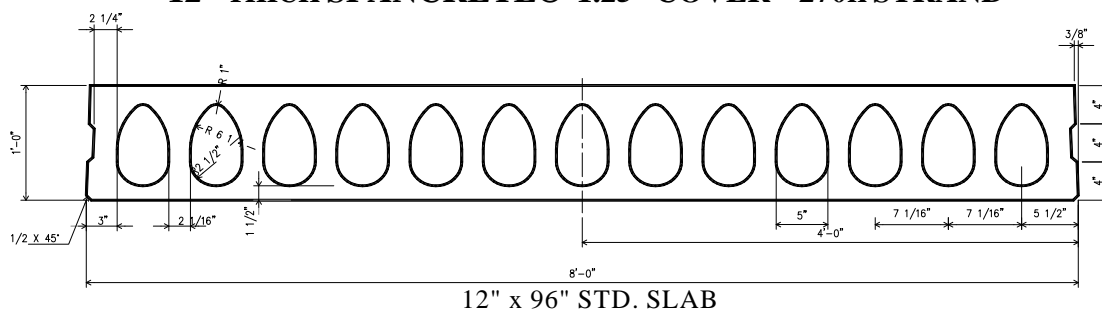
1' - 1 1/2" CAMBER



1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.25" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 126 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 138 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 980 in ² I = 22,005 in ⁴				Y _t = 6.680 in Y _b = 8.320 in				A = 1071 in ² I = 26,318 in ⁴				Y _t = 7.069 in Y _b = 8.931 in			
b = 31.0 in wt = 126 psf								b = 31.0 in wt = 138 psf							
ΦMn ft-k/ft	29.80	40.26	49.84	59.22	68.14			ΦMn ft-k/ft	32.81	43.36	53.71	63.86	73.73		
Series	1.25D-12806T3	1.25D-12808T3	1.25D-12810T3	1.25D-12812T3	1.25D-12814T3			Series	1.25D-12806T4	1.25D-12808T4	1.25D-12810T4	1.25D-12812T4	1.25D-12814T4		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	192	280	806	806	806			16	205	300	850	850	850		
17	169	251	748	748	748			17	180	268	790	790	790		
18	141	216	675	694	694			18	150	231	725	737	737		
19	117	185	596	646	646			19	124	197	640	690	690		
20	96	157	529	603	603			20	101	167	568	648	648		
21	79	134	471	565	565			21	82	142	505	610	610		
22	63	114	421	517	531			22	66	120	451	556	574		
23	50	96	377	465	501			23	51	101	404	500	541		
24	38	80	338	420	473			24	39	273	363	451	510		
25	28	228	304	379	436			25	28	243	326	407	471		
26		204	274	344	402			26	18	217	294	369	433		
27		182	248	312	371			27		194	265	334	399		
28		162	224	283	340			28		173	239	304	366		
29		145	202	258	311			29		154	216	276	334		
30		129	183	235	284			30		137	195	251	306		
31		115	165	214	260			31		122	176	229	277		
32		102	149	195	238			32		107	157	206	248		
33		91	135	178	216			33		87	135	182	222		
34		80	120	160	194			34		69	114	159	198		
35		66	103	141	174			35		53	95	137	176		
36		52	88	124	156			36		38	78	118	156		
37		40	74	107	139			37		24	62	100	137		
38		28	60	92	124			38			47	83	119		
39			48	79	109			39			34	67	101		
40			37	66	95			40				53	85		
41				54	81			41				40	71		
42				43	69			42				28	57		
43					58			43					44		
44					47			44					32		
45								45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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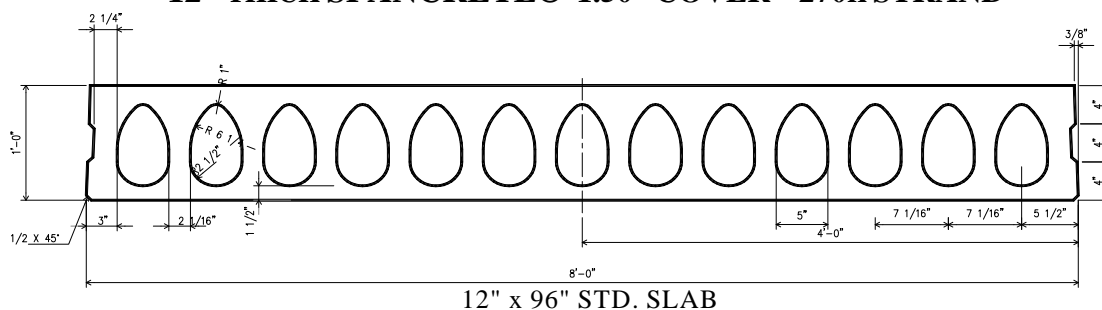


1" - 1 1/2" CAMBER

1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.50" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 88 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 113 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 706 in ²				Y _t = 5.690 in				A = 889 in ²				Y _t = 6.315 in			
I = 11,599 in ⁴				Y _b = 6.310 in				I = 18,152 in ⁴				Y _b = 7.685 in			
b = 31.0 in				wt = 88 psf				b = 31.0 in				wt = 113 psf			
ΦMn ft-k/ft	23.11	30.51	37.74	44.71	51.35			ΦMn ft-k/ft	27.59	36.39	45.00	53.31	61.21		
Series	1.50D-12806	1.50D-12808	1.50D-12810	1.50D-12812	1.50D-12814			Series	1.50D-12806T2	1.50D-12808T2	1.50D-12810T2	1.50D-12812T2	1.50D-12814T2		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	151	502	630	643	643			16	175	255	724	724	724		
17	134	196	575	599	599			17	154	228	669	669	669		
18	112	169	516	559	559			18	128	196	609	621	621		
19	94	145	457	510	524			19	106	167	538	578	578		
20	78	125	406	463	493			20	88	143	478	541	541		
21	65	107	362	422	455			21	71	121	425	507	507		
22	53	91	324	386	417			22	58	103	380	465	477		
23	43	78	291	355	383			23	45	87	340	419	450		
24	34	66	261	322	353			24	35	73	306	378	425		
25	26	56	236	291	326			25	25	61	275	341	392		
26		47	213	264	302			26		184	248	309	362		
27		38	193	240	280			27		165	224	281	335		
28		31	175	219	261			28		147	202	255	305		
29		25	158	200	239			29		131	183	232	279		
30			144	182	219			30		117	165	211	255		
31			130	166	201			31		104	149	192	233		
32			118	152	185			32		93	135	175	214		
33			107	139	170			33		82	122	160	196		
34			97	127	156			34		72	110	146	180		
35			88	116	143			35		64	99	133	164		
36			79	106	132			36		55	89	120	148		
37			72	97	121			37		47	77	106	133		
38			65	89	112			38		37	65	93	119		
39			58	81	103			39			54	81	107		
40			52	74	94			40			44	70	94		
41			46	67	87			41				59	83		
42			41	61	79			42				50	72		
43				55	73			43					62		
44				49	66			44					53		
45					59			45							
46								46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.

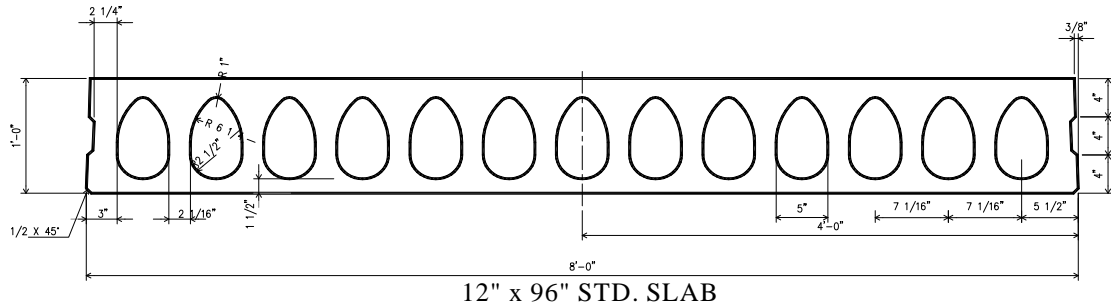


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1" – 1-1/2" CAMBER
 1-1/2" – 2" CAMBER

STANDARD LOAD TABLES
12" THICK SPANCRETE® 1.50" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 126 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 138 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 980 in ² I = 22,005 in ⁴				Y _t = 6.680 in Y _b = 8.320 in				A = 1071 in ² I = 26,318 in ⁴				Y _t = 7.069 in Y _b = 8.931 in			
b = 31.0 in wt = 126 psf								b = 31.0 in wt = 138 psf							
ΦMn ft-k/ft	29.91	39.49	48.87	58.06	66.75			ΦMn ft-k/ft	32.23	42.59	52.74	62.70	72.33		
Series	1.50D- 12806T3	1.50D- 12808T3	1.50D- 12810T3	1.50D- 12812T3	1.50D- 12814T3			Series	1.50D- 12806T4	1.50D- 12808T4	1.50D- 12810T4	1.50D- 12812T4	1.50D- 12814T4		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	187	274	792	792	792			16	199	294	804	804	804		
17	164	245	731	731	731			17	175	262	746	746	746		
18	137	210	660	677	677			18	145	225	696	696	696		
19	113	179	583	630	630			19	120	191	627	651	651		
20	93	153	517	589	589			20	98	162	556	611	611		
21	75	130	460	552	552			21	79	138	494	575	575		
22	60	110	411	505	519			22	63	116	441	543	543		
23	47	92	368	454	489			23	49	98	395	489	514		
24	36	77	330	410	461			24	36	266	354	441	487		
25	25	222	297	370	425			25	25	237	318	398	451		
26		198	267	335	392			26		211	286	360	414		
27		177	241	304	362			27		188	258	326	381		
28		158	217	276	331			28		168	233	296	352		
29		140	196	251	302			29		149	210	269	326		
30		125	177	228	276			30		133	189	245	298		
31		111	160	208	253			31		118	171	223	267		
32		99	144	189	231			32		100	149	197	239		
33		87	130	172	207			33		81	127	172	213		
34		75	114	152	186			34		63	106	150	189		
35		61	97	134	167			35		47	88	129	167		
36		47	82	116	149			36		33	71	109	147		
37		35	68	100	132			37		19	55	92	128		
38		24	55	86	117			38			41	76	110		
39			43	72	102			39			28	60	93		
40			32	60	88			40				47	78		
41				48	75			41				34	63		
42				37	63			42					50		
43					52			43					37		
44					41			44							
45								45							
46								46							

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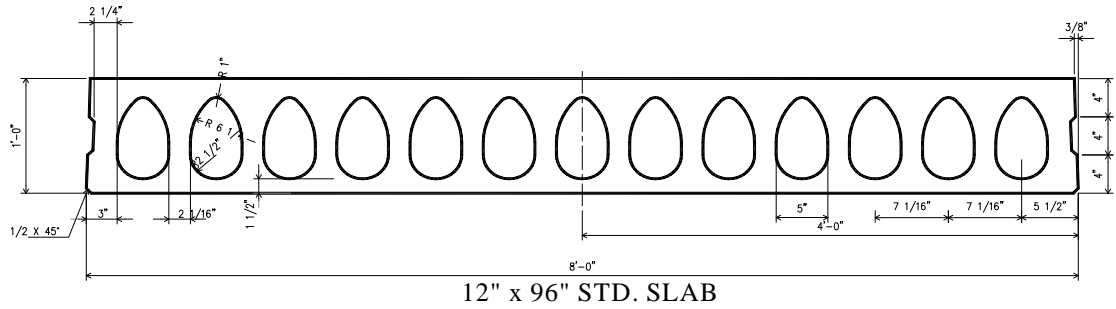


1" - 1-1/2" CAMBER

1-1/2" - 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.75" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 88 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 113 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 706 in ² I = 11,599 in ⁴				Y _t = 5.690 in Y _b = 6.310 in				A = 889 in ² I = 18,152 in ⁴				Y _t = 6.315 in Y _b = 7.685 in			
ΦMn ft-k/ft	22.53	29.73	36.77	43.51	49.97			ΦMn ft-k/ft	27.01	35.62	44.03	52.11	59.82		
Series	1.75D-12806	1.75D-12808	1.75D-12810	1.75D-12812	1.75D-12814			Series	1.75D-12806T2	1.75D-12808T2	1.75D-12810T2	1.75D-12812T2	1.75D-12814T2		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	146	211	615	626	626			16	169	248	705	705	705		
17	129	190	561	582	582			17	149	222	651	651	651		
18	108	163	501	544	544			18	123	190	595	604	604		
19	90	140	443	498	510			19	102	162	525	563	563		
20	75	120	393	452	479			20	84	138	465	526	526		
21	62	102	351	412	444			21	68	117	414	494	494		
22	50	87	314	377	406			22	55	99	370	453	464		
23	40	74	281	345	373			23	43	83	331	407	438		
24	32	63	253	311	343			24	32	70	297	367	414		
25	24	53	228	282	317			25	23	58	267	332	382		
26		44	206	256	294			26		179	241	300	353		
27		36	186	232	272			27		159	217	272	325		
28		29	168	211	252			28		142	196	247	296		
29		22	152	192	231			29		127	177	225	271		
30			138	175	211			30		113	160	204	247		
31			125	160	194			31		100	144	186	226		
32			113	146	178			32		89	130	169	207		
33			103	134	163			33		79	117	154	190		
34			93	122	150			34		69	105	140	174		
35			84	111	138			35		60	95	128	157		
36			76	102	127			36		52	84	113	141		
37			68	93	116			37		43	71	100	127		
38			61	84	107			38		34	60	87	113		
39			55	77	98			39			50	75	100		
40			49	70	90			40			40	64	88		
41			43	63	82			41				54	77		
42			38	57	75			42				45	67		
43				51	69			43					57		
44					62			44					48		
45					56			45							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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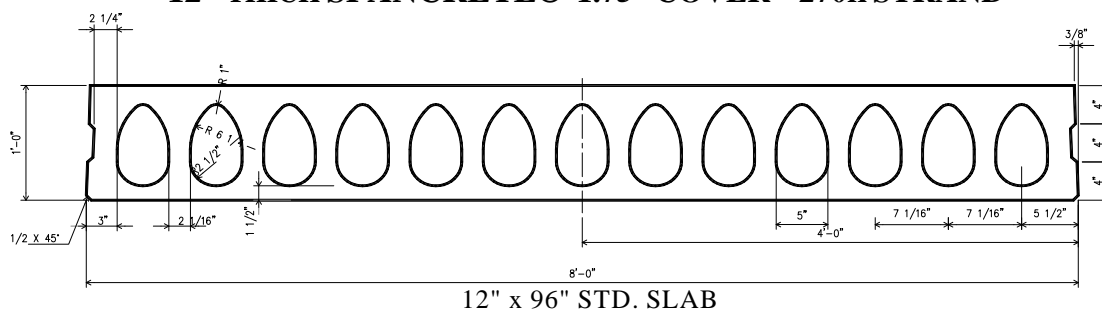
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.75" COVER – 270K STRAND



3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 126 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 138 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 980 in ² Y _t = 6.680 in b = 31.0 in I = 22,005 in ⁴ Y _b = 8.320 in wt = 126 psf								A = 1071 in ² Y _t = 7.069 in b = 31.0 in I = 26,318 in ⁴ Y _b = 8.931 in wt = 138 psf							
ΦMn ft-k/ft	29.33	38.71	47.90	56.89	65.36			ΦMn ft-k/ft	31.65	41.81	51.77	61.54	70.93		
Series	1.75D- 12806T3	1.75D- 12808T3	1.75D- 12810T3	1.75D- 12812T3	1.75D- 12814T3			Series	1.75D- 12806T4	1.75D- 12808T4	1.75D- 12810T4	1.75D- 12812T4	1.75D- 12814T4		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	181	268	772	772	772			16	194	287	830	830	830		
17	159	239	713	713	713			17	170	257	770	770	770		
18	132	204	645	661	661			18	141	219	695	718	718		
19	109	174	569	615	615			19	116	186	613	668	668		
20	89	148	504	574	574			20	94	158	544	623	623		
21	72	125	449	538	538			21	76	133	483	584	584		
22	57	106	401	493	506			22	60	112	431	532	548		
23	44	89	358	443	476			23	46	292	386	478	516		
24	33	242	322	399	450			24	34	259	346	431	487		
25	23	215	289	361	414			25	23	231	311	389	4476		
26		192	260	326	381			26		206	279	352	410		
27		171	234	296	352			27		183	251	318	378		
28		153	211	268	322			28		163	227	289	348		
29		136	191	244	294			29		145	204	262	318		
30		121	172	222	269			30		129	184	238	287		
31		107	155	202	246			31		114	164	214	257		
32		95	140	183	222			32		93	140	187	229		
33		83	125	164	199			33		75	119	163	203		
34		70	107	144	178			34		57	99	141	180		
35		55	91	126	159			35		42	81	120	159		
36		42	76	109	141			36		27	64	102	139		
37		31	62	94	125			37			49	84	119		
38			50	79	109			38			35	68	102		
39			38	66	94			39				54	85		
40				54	81			40				40	70		
41				43	68			41					56		
42					57			42					43		
43					46			43							
44								44							
45								45							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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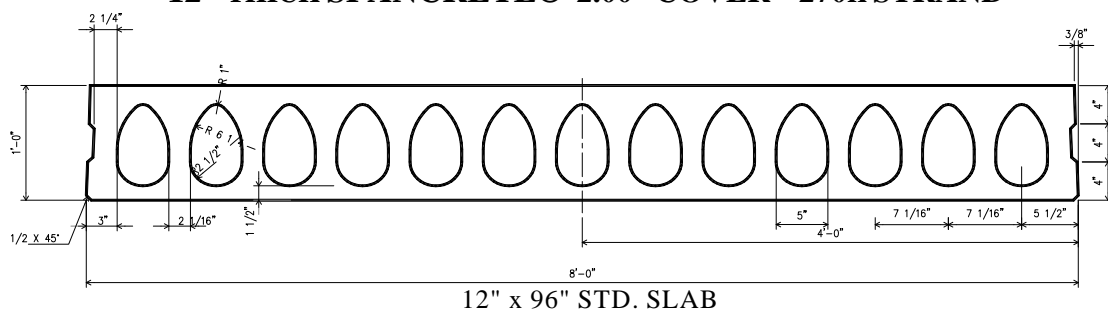
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 2.00" COVER – 270K STRAND



NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 88 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 113 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 706 in ² I = 11,599 in ⁴				Y _t = 5.690 in Y _b = 6.310 in				A = 889 in ² I = 18,152 in ⁴				Y _t = 6.315 in Y _b = 7.685 in			
ΦMn ft-k/ft	21.95	28.96	35.80	42.32	48.60			ΦMn ft-k/ft	26.42	34.84	43.06	50.92	58.44		
Series	2.00D-12806	2.00D-12808	2.00D-12810	2.00D-12812	2.00D-12814			Series	2.00D-12806T2	2.00D-12808T2	2.00D-12810T2	2.00D-12812T2	2.00D-12814T2		
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	140	205	599	609	609			16	164	242	687	687	687		
17	124	184	546	566	566			17	144	216	634	634	634		
18	103	157	486	529	529			18	119	184	580	588	588		
19	86	134	430	485	495			19	98	156	511	548	548		
20	71	115	381	440	465			20	80	133	453	512	512		
21	58	98	340	401	432			21	65	113	403	480	480		
22	47	83	304	366	396			22	52	95	360	441	452		
23	38	71	272	334	363			23	40	80	322	396	426		
24	29	59	245	301	334			24	30	66	289	357	402		
25	22	50	220	272	308			25	21	54	260	322	372		
26		41	199	247	285			26		173	234	292	343		
27		33	179	224	264			27		154	210	264	316		
28		26	162	204	244			28		137	190	240	288		
29		20	147	185	223			29		122	171	218	2621		
30			133	169	2042			30		109	154	198	2401		
31			120	154	1872			31		96	139	180	2191		
32			109	140	1712			32		85	125	164	2001		
33			98	128	1571			33		75	113	149	1831		
34			89	117	1441			34		66	101	135	1671		
35			80	106	1321			35		57	91	122	1501		
36			72	97	1211			36		49	78	107	1341		
37			65	88	1111			37		39	66	94	1209		
38			58	80	1021			38			55	81	1078		
39			52	73	94			39			45	70	94		
40			46	66	86			40				59	82		
41			40	60	78			41				49	71		
42				54	72			42					61		
43				48	65			43					52		
44					58			44							
45								45							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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1" – 1-1/2" CAMBER

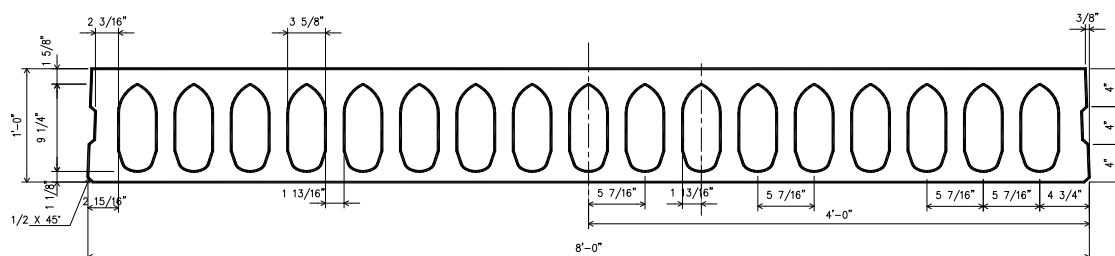
1-1/2" – 2" CAMBER

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.00" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 82 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 659.3 in ² I = 10,915 in ⁴								A = 841.8 in ² I = 17,386 in ⁴							
Y _t = 5.696 in Y _b = 6.304 in								Y _t = 6.244 in Y _b = 7.756 in							
b = 34.375 in wt = 82 psf								b = 34.375 in wt = 107 psf							
ΦMn ft-k/ft	24.28	32.06	39.68	47.10	54.01	60.72	67.24	ΦMn ft-k/ft	28.75	37.94	46.93	55.71	63.97	72.05	80.00
Series	1.00E-12806	1.00E-12808	1.00E-12810	1.00E-12812	1.00E-12814	1.00E-12816	1.00E-12818	Series	1.00E-12806T2	1.00E-12808T2	1.00E-12810T2	1.00E-12812T2	1.00E-12814T2	1.00E-12816T2	1.00E-12818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	165	530	661	734	771	771	771	16	188	270	767	767	767	767	767
17	147	483	604	671	718	718	718	17	167	243	709	709	709	709	709
18	126	433	550	608	652	672	672	18	141	212	644	658	658	658	658
19	106	382	488	551	591	628	631	19	119	182	569	613	613	613	613
20	90	339	434	502	538	572	594	20	99	157	506	574	574	574	574
21	76	302	388	459	492	523	551	21	82	135	452	538	538	538	538
22	64	269	348	422	452	480	506	22	68	115	404	494	507	507	507
23	53	241	313	383	416	442	466	23	55	278	363	446	478	478	478
24	44	216	283	347	385	409	430	24	44	249	327	403	452	452	452
25	35	195	256	315	356	378	399	25	34	223	295	365	429	429	429
26	28	175	232	286	332	352	371	26	26	200	267	331	392	407	407
27	21	158	210	261	308	328	345	27		180	241	301	358	387	387
28		143	191	238	282	307	323	28		161	219	275	327	368	369
29		129	174	218	259	287	302	29		145	198	250	300	344	352
30		116	159	200	238	269	284	30		130	180	229	275	319	336
31		105	145	183	219	248	266	31		117	164	209	252	292	318
32		95	132	168	202	229	251	32		105	149	191	232	267	296
33		85	120	154	186	211	232	33		94	135	175	213	245	272
34		77	110	142	172	195	215	34		84	122	160	196	224	250
35		69	100	130	159	180	199	35		74	111	147	178	205	229
36		62	91	120	147	167	184	36		66	101	134	162	187	211
37		55	83	110	135	154	171	37		58	91	121	147	171	193
38		49	76	101	125	143	159	38		49	79	109	133	156	178
39		44	69	93	115	132	148	39		39	68	96	121	142	163
40		38	62	85	106	122	137	40		31	58	85	109	130	149
41		34	56	78	98	113	127	41			48	74	98	118	137
42		29	51	72	90	105	118	42			39	64	88	107	125
43			45	66	83	97	110	43				54	78	97	114
44			41	60	76	89	102	44				46	68	87	104
45				54	70	83	95	45				38	59	78	95
46				48	64	76	88	46					50	70	86

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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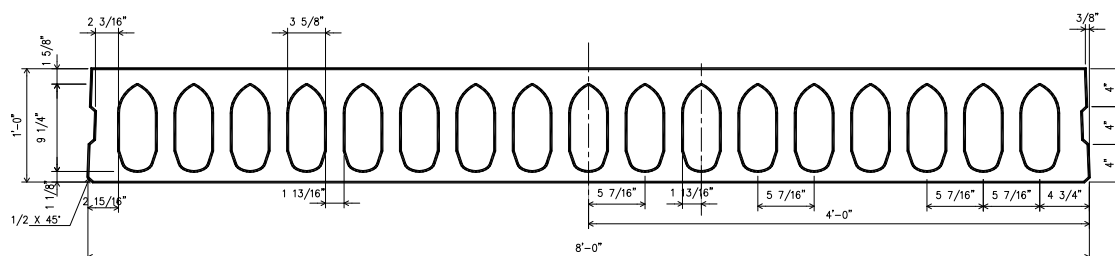


1' - 1 1/2" CAMBER

1 1/2" - 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.00" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 933.1 in ² I = 21,139 in ⁴				Y _t = 6.584 in Y _b = 8.416 in				A = 1024.4 in ² I = 25,320 in ⁴				Y _t = 6.953 in Y _b = 9.047 in			
b = 34.375 in wt = 120 psf								b = 34.375 in wt = 132 psf							
ΦMn ft-k/ft	31.07	41.04	50.81	60.38	69.53	78.35	86.99	ΦMn ft-k/ft	33.40	44.14	54.68	65.03	75.13	84.69	94.06
Series	1.00E-12806T3	1.00E-12808T3	1.00E-12810T3	1.00E-12812T3	1.00E-12814T3	1.00E-12816T3	1.00E-12818T3	Series	1.00E-12806T4	1.00E-12808T4	1.00E-12810T4	1.00E-12812T4	1.00E-12814T4	1.00E-12816T4	1.00E-12818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	201	289	835	835	835	835	835	16	213	309	899	906	906	906	906
17	178	260	765	771	771	771	771	17	189	277	821	835	835	835	835
18	150	227	694	715	715	715	715	18	158	241	745	774	774	774	774
19	125	194	614	666	666	666	666	19	132	206	658	720	720	720	720
20	104	167	545	622	622	622	622	20	109	177	584	672	672	672	672
21	86	143	486	584	584	584	584	21	90	151	521	630	630	630	630
22	71	122	435	534	549	549	549	22	73	129	466	572	592	592	592
23	57	104	390	481	517	517	517	23	59	109	418	515	558	558	558
24	45	266	351	434	489	489	489	24	46	284	375	465	527	527	527
25	34	238	317	393	463	463	463	25	34	254	338	421	798	498	498
26	25	214	286	357	424	439	439	26	24	227	305	382	456	473	473
27		192	259	324	387	418	418	27		203	276	347	416	449	449
28		172	234	295	353	398	398	28		182	249	315	379	427	427
29		154	212	269	323	370	379	29		163	226	287	347	398	407
30		138	192	246	296	343	362	30		146	204	262	318	364	389
31		124	174	224	272	312	342	31		130	185	239	288	330	367
32		110	158	205	249	284	316	32		116	168	217	259	298	335
33		98	143	187	225	258	289	33		97	147	192	232	270	305
34		88	130	169	203	235	264	34		79	126	170	208	244	277
35		74	114	151	183	213	241	35		63	107	150	186	220	251
36		61	98	135	165	194	220	36		48	89	131	166	198	228
37		48	84	119	148	176	201	37		34	73	112	147	178	207
38		37	70	104	133	159	183	38		21	58	95	130	159	187
39		26	58	90	119	144	167	39			44	80	114	142	168
40			46	77	106	129	152	40			32	65	99	126	151
41			36	65	93	116	138	41			20	52	84	112	136
42				53	81	104	124	42				39	70	98	121
43				43	69	92	112	43				28	57	85	108
44				33	58	82	101	44					45	72	95
45					48	72	90	45					33	60	83
46					38	61	80	46						48	72

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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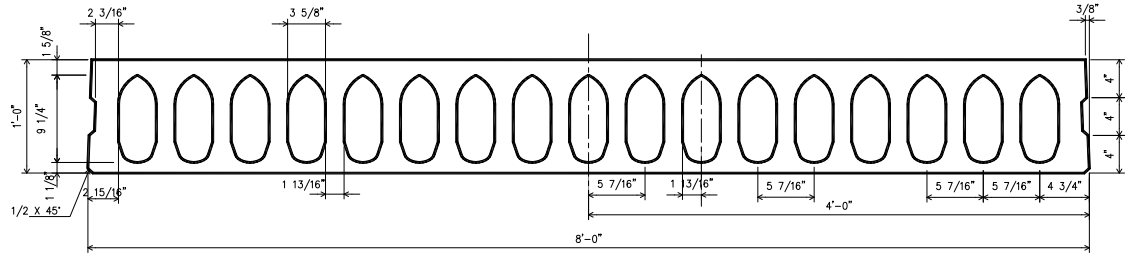


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.25" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 82 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 659.3 in ²				Y _t = 5.696 in				A = 841.8 in ²				Y _t = 6.244 in			
I = 10,915 in ⁴				Y _b = 6.304 in				I = 17,386 in ⁴				Y _b = 7.756 in			
b = 34.375 in				wt = 82 psf				b = 34.375 in				wt = 107 psf			
ΦMn ft-k/ft	23.70	31.28	38.71	45.90	52.63	59.16	65.50	ΦMn ft-k/ft	28.17	37.16	45.97	54.50	62.59	70.48	78.24
Series	1.25E-12806	1.25E-12808	1.25E-12810	1.25E-12812	1.25E-12814	1.25E-12816	1.25E-12818	Series	1.25E-12806T2	1.25E-12808T2	1.25E-12810T2	1.25E-12812T2	1.25E-12814T2	1.25E-12816T2	1.25E-12818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	160	517	647	719	751	751	751	16	184	264	748	748	748	748	748
17	143	472	591	656	700	700	700	17	163	237	691	691	691	691	691
18	121	421	536	595	638	655	655	18	137	206	629	641	641	641	641
19	102	371	474	539	578	614	614	19	115	177	556	598	598	598	598
20	86	329	422	491	527	560	579	20	95	152	494	559	559	559	559
21	73	293	377	448	481	512	540	21	79	130	441	525	525	525	525
22	61	261	338	412	442	470	496	22	65	111	394	482	494	494	494
23	50	234	304	372	407	432	457	23	53	95	354	434	466	466	466
24	41	210	274	336	376	399	422	24	42	242	318	392	441	441	441
25	33	188	248	305	348	370	391	25	32	217	287	355	418	418	418
26	26	170	224	278	325	345	363	26	24	194	259	322	382	396	396
27		153	204	253	299	320	338	27		174	235	293	348	377	377
28		138	185	231	274	300	316	28		156	213	267	318	359	359
29		124	168	211	251	280	295	29		140	193	243	291	336	343
30		112	153	193	230	263	277	30		126	175	222	267	311	327
31		101	140	177	212	242	260	31		113	159	203	248	285	310
32		91	127	162	195	223	244	32		101	144	185	225	260	289
33		82	116	149	180	206	227	33		90	130	170	207	238	265
34		73	106	137	166	190	210	34		80	118	155	189	217	243
35		66	96	125	153	175	194	35		71	107	142	172	198	223
36		59	88	115	141	162	180	36		63	97	129	156	181	204
37		52	80	106	130	150	167	37		55	86	116	141	165	187
38		47	72	97	120	138	155	38		45	74	103	128	150	172
39		41	65	89	111	128	143	39		36	63	91	115	137	157
40		36	59	82	103	118	133	40			53	79	104	124	144
41		31	53	75	94	109	123	41			44	69	93	113	131
42			48	68	87	101	115	42			35	59	83	102	120
43			43	62	79	93	106	43				50	72	92	109
44			38	57	73	86	98	44				41	63	83	99
45				51	66	79	91	45					54	74	90
46				45	60	73	84	46					46	66	81

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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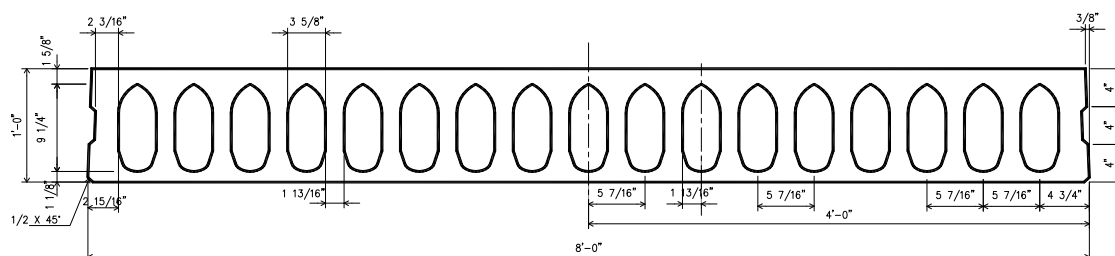
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.25" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 933.1 in ² I = 21,139 in ⁴				Y _t = 6.584 in Y _b = 8.416 in				A = 1024.4 in ² I = 25,320 in ⁴				Y _t = 6.953 in Y _b = 9.047 in			
b = 34.375 in wt = 120 psf								b = 34.375 in wt = 132 psf							
ΦMn ft-k/ft	34.38	40.26	49.84	59.22	68.14	76.78	85.22	ΦMn ft-k/ft	32.81	43.36	53.71	63.86	73.73	83.11	92.30
Series	1.25E-12806T3	1.25E-12808T3	1.25E-12810T3	1.25E-12812T3	1.25E-12814T3	1.25E-12816T3	1.25E-12818T3	Series	1.25E-12806T4	1.25E-12808T4	1.25E-12810T4	1.25E-12812T4	1.25E-12814T4	1.25E-12816T4	1.25E-12818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	196	283	816	816	816	816	816	16	209	303	885	886	886	886	886
17	174	254	752	753	753	753	753	17	184	271	808	816	816	816	816
18	145	221	679	698	698	698	698	18	154	235	730	756	756	756	756
19	121	189	600	650	650	650	650	19	128	201	645	704	704	704	704
20	101	162	533	608	608	608	608	20	106	172	572	657	657	657	657
21	83	138	475	570	570	570	570	21	87	146	510	616	616	616	616
22	68	118	425	522	536	536	536	22	70	125	456	560	579	579	579
23	54	100	381	470	505	505	505	23	56	311	408	504	545	545	545
24	42	260	343	424	477	477	477	24	43	277	367	455	515	515	515
25	32	232	309	384	452	452	452	25	32	248	330	412	487	487	487
26	23	208	279	348	414	429	429	26	22	221	298	373	446	462	462
27		186	252	316	377	408	408	27		198	269	339	406	439	439
28		167	228	288	344	388	388	28		177	243	308	371	418	418
29		149	206	262	315	361	370	29		158	220	280	339	388	398
30		134	187	239	288	334	353	30		142	199	255	310	354	380
31		120	169	218	264	303	334	31		126	180	233	278	320	358
32		107	153	199	240	275	308	32		110	161	208	250	289	325
33		95	139	182	217	250	281	33		91	139	184	224	261	295
34		84	124	163	196	227	256	34		73	118	163	200	235	268
35		69	108	145	176	206	234	35		57	100	142	178	212	243
36		56	92	128	158	187	213	36		42	82	123	158	190	220
37		44	78	112	142	169	194	37		29	67	105	140	170	199
38		32	65	97	127	152	177	38			52	88	123	152	179
39		22	53	83	113	137	160	39			39	73	107	135	161
40			42	71	100	123	145	40			26	59	91	119	144
41			31	59	87	110	131	41				45	76	105	129
42				48	75	98	118	42				33	63	91	114
43				38	63	87	106	43					50	78	101
44					52	76	95	44					38	65	88
45					42	66	85	45						53	77
46						55	75	46						41	66

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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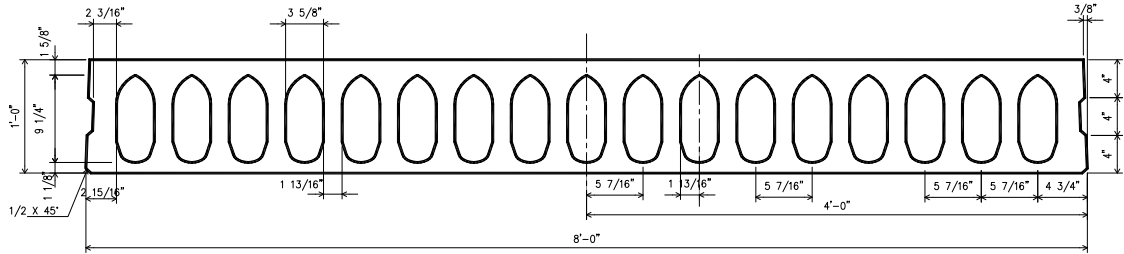


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.50" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 82 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 659.3 in ² I = 10,915 in ⁴								A = 841.8 in ² I = 17,386 in ⁴							
Y _t = 5.696 in Y _b = 6.304 in								Y _t = 6.244 in Y _b = 7.756 in							
b = 34.375 in wt = 82 psf								b = 34.375 in wt = 107 psf							
ΦMn ft-k/ft	23.11	30.51	37.74	44.70	51.26	57.60	63.76	ΦMn ft-k/ft	27.59	36.39	45.00	53.31	61.20	68.91	76.49
Series	1.50E-12806	1.50E-12808	1.50E-12810	1.50E-12812	1.50E-12814	1.50E-12816	1.50E-12818	Series	1.50E-12806T2	1.50E-12808T2	1.50E-12810T2	1.50E-12812T2	1.50E-12814T2	1.50E-12816T2	1.50E-12818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	155	505	632	702	732	732	732	16	179	258	729	729	729	729	729
17	138	460	577	641	682	682	682	17	158	231	673	673	673	673	673
18	117	409	521	581	624	638	638	18	132	200	614	625	625	625	625
19	98	361	461	526	566	598	598	19	110	171	543	583	583	583	583
20	83	320	410	479	515	548	563	20	92	147	482	545	545	545	545
21	69	284	366	438	470	501	529	21	76	126	430	511	511	511	511
22	58	253	328	400	431	459	485	22	62	107	384	470	481	481	481
23	47	227	295	360	397	423	447	23	50	91	345	423	454	454	454
24	39	203	266	326	367	390	412	24	39	235	310	382	429	429	429
25	31	182	240	296	340	362	382	25	30	211	279	346	407	407	407
26	24	164	217	269	317	336	355	26	21	189	252	314	372	386	386
27		147	197	245	290	313	330	27		169	228	285	339	367	367
28		133	179	223	265	293	308	28		152	206	259	310	350	350
29		120	163	204	243	273	288	29		136	187	236	283	328	334
30		108	148	186	223	256	270	30		122	169	215	259	302	319
31		97	135	171	205	236	254	31		109	154	197	238	277	302
32		87	122	156	188	217	238	32		97	139	180	218	252	281
33		78	111	143	173	200	221	33		87	126	164	200	230	257
34		70	101	131	160	185	204	34		77	114	150	183	210	236
35		63	92	121	147	170	189	35		68	103	137	166	192	216
36		56	84	111	136	157	175	36		60	93	124	150	175	198
37		50	76	101	125	145	162	37		51	81	110	135	159	181
38		44	69	93	116	134	150	38		41	69	97	122	144	166
39		38	62	85	107	124	139	39		32	59	85	110	131	151
40		34	56	78	98	114	129	40			49	74	98	119	138
41			50	71	91	105	119	41			40	64	88	107	126
42			45	65	83	97	111	42				54	77	97	114
43			40	59	76	90	102	43				45	67	87	104
44				54	69	82	95	44					58	78	94
45				48	63	76	88	45					49	69	85
46				42	57	70	81	46						60	76

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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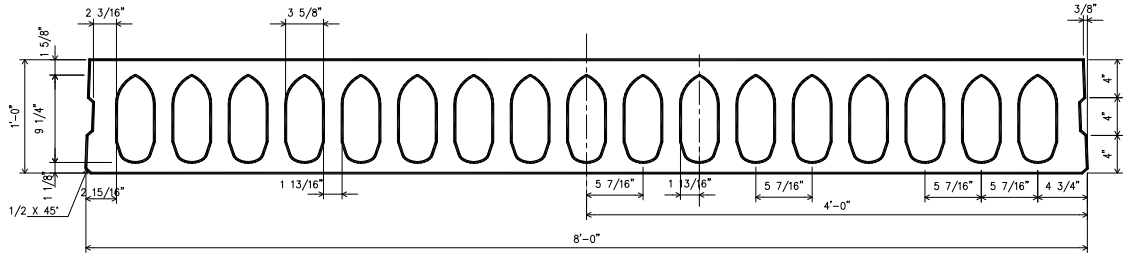


1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.50" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

	3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF							4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF								
	SECTION PROPERTIES							SECTION PROPERTIES								
	A = 933.1 in ² I = 21,139 in ⁴ Y _t = 6.584 in Y _b = 8.416 in b = 34.375 In wt = 120 psf							A = 1024.4 in ² I = 25,320 in ⁴ Y _t = 6.953 in Y _b = 9.047 in b = 34.375 in wt = 132 psf								
ΦMn ft-k/ft	29.91	39.49	48.87	58.06	66.75	75.20	83.47	ΦMn ft-k/ft	32.23	42.59	52.74	62.70	72.33	81.52	90.53	
Series	1.50E-12806T3	1.50E-12808T3	1.50E-12810T3	1.50E-12812T3	1.50E-12814T3	1.50E-12816T3	1.50E-12818T3	Series	1.50E-12806T4	1.50E-12808T4	1.50E-12810T4	1.50E-12812T4	1.50E-12814T4	1.50E-12816T4	1.50E-12818T4	
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							
15								15								
16	191	277	796	796	796	796	796	16	204	297	866	866	866	866	866	
17	169	248	735	735	735	735	735	17	180	266	795	798	798	798	798	
18	141	215	664	681	681	681	681	18	149	229	715	739	739	739	739	
19	117	184	587	635	635	635	635	19	124	196	631	688	688	688	688	
20	97	157	521	593	593	593	593	20	102	167	560	642	642	642	642	
21	80	134	464	556	556	556	556	21	83	142	499	602	602	602	602	
22	65	114	415	510	523	523	523	22	67	121	446	548	565	565	565	
23	51	283	372	459	493	493	493	23	53	303	399	493	533	533	533	
24	40	253	334	414	466	466	466	24	41	270	359	445	503	503	503	
25	30	226	301	375	441	441	441	25	30	241	323	402	476	476	476	
26	21	202	272	339	403	418	418	26	20	216	291	364	435	451	451	
27		181	245	308	368	398	398	27		193	262	331	396	429	429	
28		162	222	280	336	378	378	28		172	237	301	362	408	408	
29		145	201	255	307	353	361	29		154	214	273	330	378	388	
30		129	182	233	281	324	344	30		137	194	249	299	343	371	
31		116	164	212	257	294	326	31		122	175	225	268	309	348	
32		103	149	194	232	267	299	32		103	153	199	240	279	315	
33		91	134	175	209	242	272	33		84	131	176	215	251	286	
34		78	117	155	188	219	248	34		67	111	154	191	226	259	
35		64	101	138	169	198	226	35		51	92	134	170	203	234	
36		51	86	121	151	179	206	36		37	76	114	150	182	211	
37		39	72	105	135	162	187	37		23	60	97	132	162	190	
38		28	59	91	120	146	169	38			46	81	116	144	171	
39			48	77	106	131	153	39			33	66	99	127	153	
40			37	65	93	117	139	40				52	84	112	137	
41				53	80	104	125	41				39	69	98	121	
42				43	68	92	112	42					56	84	107	
43					57	81	100	43					43	71	94	
44					47	70	89	44						58	81	
45						59	79	45						46	70	
46						49	69	46							59	

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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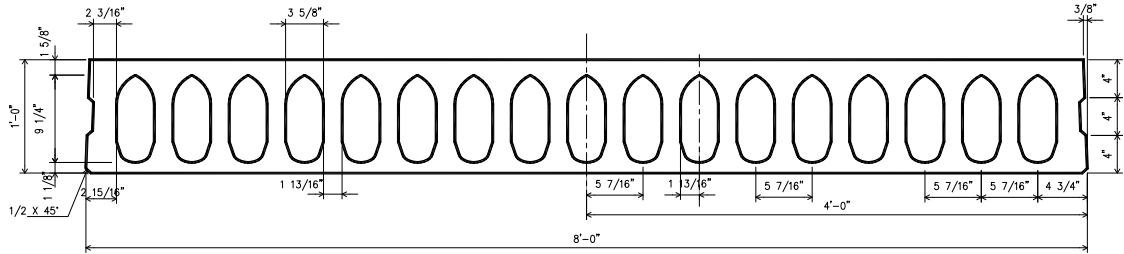
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.75" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 82 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 659.3 in ² Y _t = 5.696 in b = 34.375 in I = 10,915 in ⁴ Y _b = 6.304 in wt = 82 psf								A = 841.8 in ² Y _t = 6.244 in b = 34.375 in I = 17,386 in ⁴ Y _b = 7.756 in wt = 107 psf							
ΦMn ft-k/ft	22.53	29.73	36.77	43.51	49.88	56.05	62.01	ΦMn ft-k/ft	27.01	35.62	44.03	52.11	59.82	67.34	74.74
Series	1.75E-12806	1.75E-12808	1.75E-12810	1.75E-12812	1.75E-12814	1.75E-12816	1.75E-12818	Series	1.75E-12806T2	1.75E-12808T2	1.75E-12810T2	1.75E-12812T2	1.75E-12814T2	1.75E-12816T2	1.75E-12818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	150	492	616	686	712	712	712	16	174	251	710	710	710	710	710
17	133	448	563	626	664	664	664	17	153	225	656	656	656	656	656
18	112	397	506	567	610	621	621	18	128	194	599	609	609	609	609
19	94	350	447	514	552	582	582	19	106	166	529	567	567	567	567
20	79	310	398	467	502	535	548	20	88	142	470	531	531	531	531
21	66	275	355	427	459	489	517	21	73	121	419	498	498	498	498
22	55	245	318	387	421	448	474	22	59	103	374	457	469	469	469
23	45	219	286	349	387	413	436	23	47	88	336	412	442	442	442
24	36	196	257	316	358	381	403	24	37	229	302	372	418	418	418
25	28	176	232	286	331	353	373	25	27	204	272	336	396	396	396
26	22	158	210	260	307	327	346	26		183	245	305	362	376	376
27		142	190	236	280	305	322	27		164	221	277	330	357	357
28		128	173	216	256	284	300	28		147	200	252	301	340	340
29		115	157	197	235	266	281	29		131	181	229	275	320	324
30		103	142	180	215	249	263	30		117	164	209	252	293	310
31		93	130	164	198	230	247	31		105	149	190	231	268	294
32		83	118	151	182	211	232	32		93	134	174	211	244	273
33		75	107	138	167	195	215	33		83	122	159	194	223	250
34		67	97	126	154	179	199	34		73	110	145	176	203	228
35		60	88	116	142	165	184	35		65	99	132	159	184	209
36		53	80	106	131	152	170	36		57	88	118	143	168	191
37		47	72	97	120	140	157	37		47	75	104	129	152	174
38		41	66	89	111	129	145	38		37	64	91	116	138	145
39		36	59	81	102	119	134	39			54	80	104	125	159
40		31	53	74	94	110	124	40			44	69	93	113	132
41			48	68	87	101	115	41				59	82	102	120
42			42	62	79	93	106	42				49	72	91	109
43			38	56	72	86	98	43				41	62	82	98
44				50	66	79	91	44					53	72	89
45				44	59	72	84	45					44	64	80
46					53	66	77	46						55	71

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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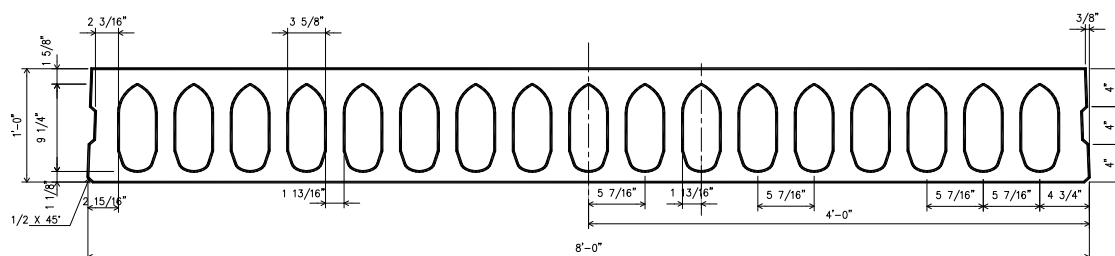
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 1.75" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 933.1 in ² I = 21,139 in ⁴				Y _t = 6.584 in Y _b = 8.416 in				A = 1024.4 in ² I = 25,320 in ⁴				Y _t = 6.953 in Y _b = 9.047 in			
b = 34.375 in wt = 120 psf								b = 34.375 in wt = 132 psf							
ΦMn ft-k/ft	29.33	38.71	47.90	56.89	65.36	73.63	81.71	ΦMn ft-k/ft	31.65	41.81	51.77	61.54	70.93	79.94	88.76
Series	1.75E-12806T3	1.75E-12808T3	1.75E-12810T3	1.75E-12812T3	1.75E-12814T3	1.75E-12816T3	1.75E-12818T3	Series	1.75E-12806T4	1.75E-12808T4	1.75E-12810T4	1.75E-12812T4	1.75E-12814T4	1.75E-12816T4	1.75E-12818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	186	271	777	777	777	777	777	16	198	290	846	846	846	846	846
17	164	243	717	717	717	717	717	17	175	260	780	780	780	780	780
18	136	209	649	665	665	665	665	18	145	223	700	722	722	722	722
19	113	178	574	619	619	619	619	19	120	10	618	672	672	672	672
20	93	152	509	579	579	579	579	20	99	162	548	628	628	628	628
21	76	130	453	543	543	543	543	21	80	138	488	588	588	588	588
22	62	110	405	498	510	510	510	22	64	333	436	536	552	552	552
23	49	276	363	448	481	481	481	23	50	296	390	482	520	520	520
24	37	246	326	404	454	454	454	24	38	264	350	435	491	491	491
25	27	220	293	365	430	430	430	25	27	235	315	393	465	465	465
26		196	264	331	393	408	408	26	18	210	284	356	425	441	441
27		176	239	300	358	388	388	27	118	187	256	323	387	419	419
28		157	216	273	327	369	369	28	103	167	231	293	353	398	398
29		140	195	248	298	344	352	29	89	149	209	267	322	368	379
30		125	176	226	273	314	336	30	77	133	188	243	288	331	362
31		111	159	206	248	284	317	31	65	117	167	215	258	298	336
32		99	144	188	223	257	289	32	49	97	144	190	230	268	304
33		88	128	167	201	233	263	33	33	78	123	167	205	241	275
34		73	111	148	180	211	239	34		61	103	145	182	216	249
35		59	95	130	161	190	218	35		46	85	125	161	194	224
36		46	80	114	144	172	198	36		31	69	106	142	173	202
37		35	66	98	128	154	179	37			54	89	124	154	181
38		24	54	84	114	138	162	38			40	74	107	136	162
39			42	71	100	124	146	39			27	59	91	120	145
40			32	59	86	110	132	40				45	76	104	129
41				48	74	98	118	41				33	62	90	114
42				37	62	86	106	42					49	76	100
43					51	75	94	43					37	63	87
44					41	64	83	44						51	74
45						53	73	45							63
46							63	46							51

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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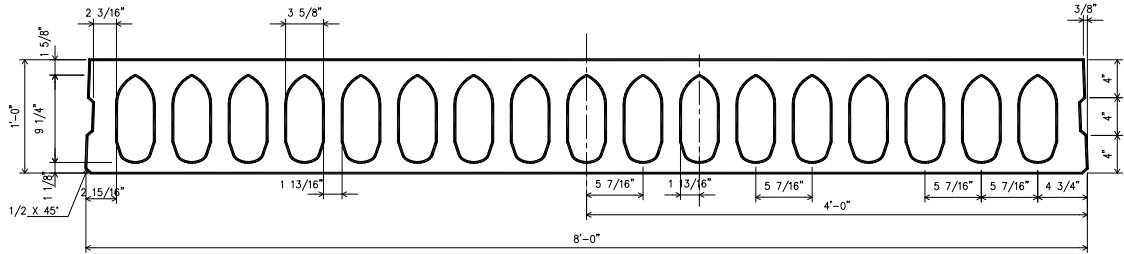
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1" – 1-1/2" CAMBER
1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 2.00" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

NO BONDED TOPPING DEAD LOAD WEIGHT NO TOPPING = 82 PSF								2" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 96 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 659.3 in ² I = 10,915 in ⁴								A = 841.8 in ² I = 17,386 in ⁴							
Y _t = 5.696 in Y _b = 6.304 in								Y _t = 6.244 in Y _b = 7.756 in							
b = 34.375 in wt = 82 psf								b = 34.375 in wt = 107 psf							
ΦMn ft-k/ft	21.95	28.96	35.80	42.31	48.51	54.49	60.27	ΦMn ft-k/ft	26.42	34.84	43.06	50.91	58.44	65.78	72.99
Series	2.00E-12806	2.00E-12808	2.00E-12810	2.00E-12812	2.00E-12814	2.00E-12816	2.00E-12818	Series	2.00E-12806T2	2.00E-12808T2	2.00E-12810T2	2.00E-12812T2	2.00E-12814T2	2.00E-12816T2	2.00E-12818T2
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	145	479	601	669	693	693	693	16	168	245	691	691	691	691	691
17	128	436	548	610	645	645	645	17	148	220	638	638	638	638	638
18	108	385	491	553	595	603	603	18	123	188	584	593	593	593	593
19	90	339	434	501	539	566	566	19	102	161	516	552	552	552	552
20	75	300	386	455	490	522	533	20	85	137	458	517	517	517	517
21	63	267	344	416	447	477	503	21	69	117	408	485	485	485	485
22	52	237	308	375	410	437	463	22	56	99	364	445	456	456	456
23	42	212	277	338	377	402	426	23	44	84	326	400	430	430	430
24	33	190	249	305	348	371	393	24	34	222	293	361	407	407	407
25	26	170	225	277	322	343	363	25	25	198	264	327	385	385	385
26		152	203	251	297	318	337	26		177	238	296	351	365	365
27		137	184	228	271	297	314	27		158	215	269	320	347	347
28		123	167	208	247	276	292	28		142	194	244	292	331	331
29		110	151	190	226	259	273	29		127	175	222	267	310	315
30		99	137	173	208	241	255	30		113	159	202	244	285	301
31		89	124	158	190	232	240	31		101	143	184	223	259	287
32		80	113	145	175	204	225	32		90	130	168	205	236	264
33		71	103	132	161	188	209	33		79	117	153	187	215	241
34		63	93	121	148	174	193	34		70	106	140	169	195	220
35		56	84	111	136	160	178	35		62	95	126	152	177	201
36		50	76	101	125	147	164	36		53	82	111	137	161	183
37		44	69	93	115	135	152	37		43	70	98	123	146	167
38		38	62	85	106	125	140	38		33	59	85	110	132	152
39		33	56	77	98	115	130	39			49	74	98	119	139
40			50	70	90	106	120	40			40	64	87	107	126
41			45	64	82	97	111	41				54	76	96	114
42			40	58	75	89	102	42				45	66	86	103
43				53	69	82	94	43					57	76	93
44				47	62	75	87	44					48	67	83
45					56	68	80	45						58	74
46					50	62	74	46						50	66

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



03/10

KIE-CON

A DIVISION OF KIEWIT PACIFIC CO.

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WWW.KIECON.COM



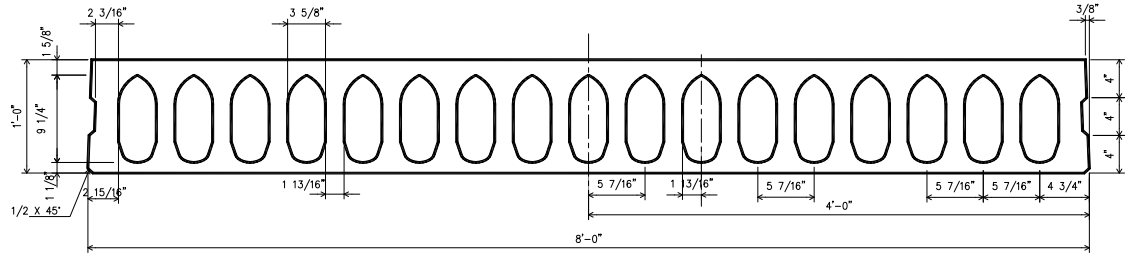
1" – 1-1/2" CAMBER



1-1/2" – 2" CAMBER

STANDARD LOAD TABLES

12" THICK SPANCRETE® 2.00" COVER – 270K STRAND



12" x 96" ULTRALIGHT SLAB

3" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 108 PSF								4" BONDED STRUCTURAL TOPPING DEAD LOAD WEIGHT WITH TOPPING = 121 PSF							
SECTION PROPERTIES								SECTION PROPERTIES							
A = 933.1 in ² I = 21,139 in ⁴				Y _t = 6.584 in Y _b = 8.416 in				A = 1024.4 in ² I = 25,320 in ⁴				Y _t = 6.953 in Y _b = 9.047 in			
b = 34.375 in wt = 120 psf								b = 34.375 in wt = 132 psf							
ΦMn ft-k/ft	28.75	37.94	46.93	55.70	63.97	72.06	79.95	ΦMn ft-k/ft	31.07	41.04	50.81	60.38	69.53	78.36	87.00
Series	2.00E-12806T3	2.00E-12808T3	2.00E-12810T3	2.00E-12812T3	2.00E-12814T3	2.00E-12816T3	2.00E-12818T3	Series	2.00E-12806T4	2.00E-12808T4	2.00E-12810T4	2.00E-12812T4	2.00E-12814T4	2.00E-12816T4	2.00E-12818T4
Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT							Span in Feet	ALLOWABLE SUPERIMPOSED LOAD IN POUNDS PER SQUARE FOOT						
15								15							
16	180	265	757	757	757	757	757	16	193	284	826	826	826	826	826
17	159	237	699	699	699	699	699	17	169	254	762	762	762	762	762
18	132	203	634	648	648	648	648	18	140	217	685	706	706	706	706
19	109	173	560	604	604	604	604	19	116	185	604	656	656	656	656
20	90	147	497	564	564	564	564	20	95	157	536	613	613	613	613
21	73	125	442	529	529	529	529	21	77	133	477	574	574	574	574
22	59	106	395	485	497	497	497	22	61	325	426	524	539	539	539
23	46	269	354	436	469	469	469	23	48	289	381	471	508	508	508
24	35	239	317	393	443	443	443	24	36	257	342	425	480	480	480
25	25	214	286	355	419	419	419	25	25	229	307	384	454	454	454
26		191	257	322	383	398	398	26		204	276	347	415	430	430
27		170	232	292	349	378	378	27		182	249	315	377	408	408
28		152	209	265	318	359	359	28		162	225	286	344	387	388
29		136	189	241	290	335	342	29		145	203	260	310	355	370
30		121	171	219	265	303	327	30		129	183	233	277	319	353
31		107	154	200	239	274	308	31		110	158	206	247	287	325
32		95	139	179	214	248	280	32		90	135	181	220	258	293
33		82	121	159	192	224	254	33		72	115	158	196	231	264
34		68	104	140	172	202	230	34		55	96	136	173	207	238
35		54	88	123	154	182	209	35		40	78	116	152	184	214
36		41	74	106	137	164	189	36		26	62	98	134	164	192
37		30	61	91	121	147	171	37			47	82	116	145	172
38			48	78	107	131	154	38			34	66	99	127	154
39			37	65	92	117	139	39				52	83	111	136
40				53	79	103	125	40				39	68	97	120
41				42	67	91	111	41					55	82	106
42					56	79	99	42					42	69	92
43					45	68	87	43						56	79
44						57	77	44						43	67
45						47	67	45							55
46							57	46							

Load Tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each project.



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1" – 1-1/2" CAMBER

1-1/2" – 2" CAMBER

**SPECIFICATIONS FOR PRECAST,
PRESTRESSED HOLLOW CORE PLANK**

SECTION 03400

1. GENERAL

1.01 Description

A. Work Included:

1. These specification cover manufacture, transportation, and erection of precast, pre-stressed concrete hollow core plank including grouting of joints between adjacent units.

B. Related Work Specified Elsewhere:

1. Cast-in-Place Concrete: Section_____.
2. Architectural Precast Concrete: Section_____.
3. Precast Structural Concrete: Section_____.
4. Underlayments (Floor and/or roof Leveling): Section_____.
5. Caulking and Sealants: Section_____.
6. Small Holes for Mechanical/Plumbing: Section_____.
7. Cast-in-Place Embedment's: Section_____.
8. Steel Bearing Lintels: Section_____.
9. Insulation in Plank Cores: Section_____.

1.02 Quality Assurance

- A. Manufacturer Qualification: Fabricating plant shall be certified by public agency such International Accreditations Service (IAS), a division of International Code Council (ICC). The manufacturer shall retain a registered civil or structural engineer to certify that manufacturing is in accordance with design requirements.

OR

The manufacturer shall, at his expense, meet the following requirements:

1. Retain an independent inspection agency approved by the Architect, Engineer and/or Owner.
 2. The basis of inspection shall be the Pre-stressed Concrete Institute's "Manual for Quality Control for Plants and Production of Precast and Pre-stressed Concrete Products", MNL-116, and the criteria for acceptance shall be the same as the Plant Certification Program.
 3. Retain a full time structural engineer to certify that manufacturing is in accordance with design requirements.
- B. Erector Qualifications: Regularly engaged for at least 5 years in the erection of precast structural concrete similar to the requirements of this project.
- C. Welder Qualifications: In accordance with AWS D1.1.
- D. Testing: In general compliance with applicable provisions of Pre-stressed Concrete Institute MNL-116, Manual for Quality Control for Plants and Production of Precast Pre-stressed Concrete Products.
- E. Requirements of Regulatory Agencies: All local codes plus the following specifications, standards and codes are a part of these specifications:
1. ACI 318-Building Code requirements for Reinforced Concrete.
 2. AWS D1.1-Structural Welding Code-Steel.
 3. AWS D1.4-Structural Welding Code-Reinforcing Steel.
 4. ASTM Specifications- As referred to in Part 2- Products, of this Specification.

1.03 Submittals and Design

A. Shop drawings

1. Erection Drawings

- a. Plans locating and defining all hollow core plank furnished by the manufacturer, with all major openings shown.
- b. Sections and details showing connections, weld plates, edge conditions and support conditions of the hollow core plank units.
- c. All dead, live and other applicable loads used in the design.
- d. Fire rating.

B. Approvals

1. Submit _____ copies of erection drawings for approval prior to fabrication. Fabrication not to proceed prior to receipt of approved drawings.

C. Product Design Criteria

1. Loadings for design

- a. Initial handling and erection stresses.
- b. All dead and live loads as specified on the contract documents.
- c. All other loads specified for hollow core plank where applicable.

2. Fire rating shall be a _____ hour.

3. Design steel plank support headers when such headers are determined necessary by the manufacturer's engineer.

4. Design calculations shall be performed by a registered engineer experienced in precast prestressed concrete design and submitted for approval upon request.

5. Design shall be in accordance with PCI MNL-116 and applicable codes.

D. Permissible Design Deviations

1. Design deviations will be permitted only after the Architect/Engineer's written approval of the manufacturer's proposed design supported by complete design calculations and drawings.
2. Design deviations shall provide an installation equivalent to the basic intent without incurring additional cost to the owner.

E. Test Reports: Test reports on concrete and other materials shall be submitted upon request.

2. PRODUCTS

2.01 Materials

A. Portland Cement:

1. ASTM C150-Type II or III

B. Admixtures:

1. Water reducing, Retarding, Accelerating, High Range Water Reducing Admixtures: ASTM C495.

C. Aggregates:

1. ASTM C33 or C330.

D. Water:

1. Potable or free foreign materials in amounts harmful to concrete and embedded steel.

- E. Reinforcing Steel:
 - 1. Bars:
Deformed Billet Steel: ASTM A615
Deformed Low Alloy Steel: ASTM A706
 - 2. Wire:
Cold Drawn Steel: ASTM A82
- F. Pre-stressing Strand:
 - 1. Uncoated, 7-Wire, Low Lax strand: ASTM A416 (including supplement) –Grade 270K.
- G. Welded Studs: In accordance with AWS D1.1.
- H. Structural Steel Plates and Shapes: ASTM A36.
- I. Grout:
- J. Cement grout: Grout shall be a mixture of not less than one part Portland cement to three parts fine sand, and the consistency shall be such that joints can be completely filled but without seepage over adjacent surfaces. The grout shall achieve a minimum 28-day compressive strength of 3000psi.
- K. Bearing Strips:
 - 1. Plastic: Multi-monomer plastic strips shall be non-leaching and support construction loads with no visible overall expansion.

2.02 Concrete Mixes

- A. 28-day compressive strength: Minimum of 5,000 psi.
- B. Release strength: Minimum of 3,500 psi.
- C. Use of calcium chloride, or admixtures containing chlorides is not permitted.

2.03 Manufacture

- A. Hollow core plank shall be machine cast in 96" widths as manufactured by KIE-CON, (www.kiecon.com) Tel: (925)754-9494).
- B. Openings: Manufacturer shall provide for openings 12" square or larger as clearly shown on the architectural and structural drawings. Round and small openings (less than 12") shall be drilled or cut by the respective trades after grouting upon the manufacturer's approval.
- C. Finishes: Bottom surface shall be flat and uniform with a block like finish as resulting from an extrusion process without major chips, spalls and imperfections. Top surface shall be machine troweled.
- D. Patching: Will be acceptable providing the structural adequacy of the hollow core unit is not impaired.

3. EXECUTION

3.01 Product Delivery, Storage, and Handling

- A. Delivery and Handling:
 - 1. Hollow core plank shall be lifted and supported during manufacturing, stockpiling, transporting and erection operations only at the lifting or supporting points, designated by the manufacturer.
 - 2. Transportation, site handling, and erection shall be performed with acceptable equipment and methods, and by qualified personnel.
- B. Storage:
 - 1. Store all units off ground on firm level surfaces with dunnage placed at bearing points.
 - 2. Place stored units so that identification marks are discernible.
 - 3. Separate stacked units by dunnage across full width of each plank.

3.02 Erection

- A. Site Access: Erection access suitable for cranes and trucks to move unassisted from public roads to all crane working areas as required by erector, or otherwise indicated herein, will be provided and maintained by the general contractor. Obstructing wires shall be shielded or removed and, when applicable, snow removal and winter heat will be provided by the general contractor.
- B. Preparation: The General Contractor shall be responsible for:
 - 1. Providing true, level bearing surfaces on all field placed bearing walls and other field placed supporting members. Masonry wall bearing surfaces shall be bond beams with properly filled and cured concrete.
 - 2. All pipes, stacks, conduits and other such items shall be stubbed off at a level lower than the bearing plane until after the plank are set. Masonry, concrete or steel shall not be installed above plank bearing surface until after the plank is in place.
- C. Installation: Installation of hollow core slab units may be performed by the manufacturer. Members shall be lifted with slings at points determined by the manufacturer. Korolath bearing strips use with masonry block or concrete shall be set, where required. Grout keys shall be filled. Openings shall be field cut only after grout has cured, unless authorized by the manufacturer's engineer.

3.03 Field Welding

- A. Field welding is to be done by qualified welders using equipment and materials compatible to the base material.

3.04 Attachments and Small Holes

- A. Subject to approval of the Architect/Engineer, hollow core plank units may be drilled or "shot" provided no contact is made with the pre-stressing steel. Round holes and those less than 12 in. on any side shall be drilled or cut by the respective trades. Should spalling occur, it shall be repaired by the trade doing the drilling, shooting or cutting.

3.05 Clean Up

- A. Remove rubbish and debris resulting from hollow core plank work from premises upon completion.

3.06 Safety

- A. The general contractor will provide and maintain all safety barricades and opening covers required for plank after grouting is completed.

Precast Prestressed Spancrete Hollowcore:

- A. Hollow core plank shall be machine cast in 96" widths as manufactured by KIE-CON, (www.kiecon.com) Tel: (925)754-9494. Fabricating plant shall be certified by public agency such International Accreditations Service (IAS), a division of International Code Council (ICC). Third party inspection shall be required and bored by manufacturer if fabrication plant is not certified through ICC.
- B. Design, manufacturing procedures and tolerances shall be in general compliance with PCI MNL-116.
- C. Prestressing steel shall be in conformance with ASTM A 416, 7 wire strand grade 270 KSI.
- D. Reinforcing steel shall be in conformance with ASTM A 615 or ASTM A 706.
- E. Concrete mix shall be designed by the manufacturer to meet minimum 3,500 psi concrete strength at release and a minimum 5,000 psi concrete strength at 28 days.
- F. Manufacturer shall provide openings 12" square or larger, when it is indicated on architectural or structural drawings. Round and small openings, less than 12" shall be drilled or cut by the respective trades after the Spancrete Hollowcore planks are installed and grouted. All opening requires the approval of the manufacturer prior to starting of drilling or cutting.
- G. Finishes: Bottom finish shall be a block looking finish resulting from an extrusion process without major chips, spalls and imperfections. Top surface shall be roughened for composite action with topping. If no topping is placed, the finish shall be as shown on the contract drawings.
- H. Hollowcore plank shall be lifted, handled and supported at the locations shown and designated by the manufacturer.
- I. Korolath bearing pads shall be used when Spancrete Hollowcore planks are shall be installed on masonry block or Concrete surfaces. No bearing pad required when Spancrete Hollowcore planks are installed on steel surfaces.