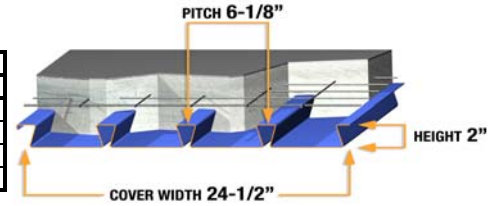


SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I <sub>b</sub>	S <sub>p</sub>	S <sub>n</sub>	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.22	0.409	0.289	0.268	1089	1254	1393	2076	2239	2386
20	2.69	0.497	0.363	0.337	1550	1777	1969	2947	3170	3372
18	3.56	0.661	0.485	0.462	2583	2942	3245	4892	5245	5563
16	4.48	0.836	0.617	0.598	3937	4461	4902	7441	7952	8414



MAXIMUM SUPERIMPOSED LRFD LOADS, (psf), NO STUDS ON BEAMS

h (Wc)		4 (36.7)				4.25 (39.2)				4.5 (41.7)				4.75 (44.2)			
Span	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
9'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	363	380	400	400	392	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	363	380	400	400	392	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	298	321	360	397	351	378	400	400	400	400	400	400	400	400	400	400
10'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	323	339	367	400	349	366	397	400	375	394	400	400	400	400	400	400
	D+L (Deflection)	287	312	354	400	342	366	397	400	375	394	400	400	400	400	400	400
	L (Deflection)	217	234	263	289	256	276	309	340	299	322	360	396	347	373	400	400
11'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	259	278	307	332	290	312	344	372	324	348	384	400	359	380	400	400
	D+L (Deflection)	206	224	256	285	247	269	305	339	293	318	361	400	344	373	400	400
	L (Deflection)	163	176	197	217	192	207	232	256	225	242	271	298	260	280	313	344
12'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	208	224	249	269	234	252	279	302	262	282	312	337	291	313	346	374
	D+L (Deflection)	149	164	188	210	181	197	225	251	215	235	267	298	254	277	314	349
	L (Deflection)	126	136	152	168	148	160	179	197	173	186	208	229	201	216	241	265
13'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	169	182	203	220	190	206	228	247	213	230	255	277	238	256	284	308
	D+L (Deflection)	109	120	139	156	133	146	168	188	160	175	201	224	190	208	237	264
	L (Deflection)	99	107	120	132	116	126	141	155	136	147	164	180	158	170	190	209
14'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	137	149	167	181	155	169	188	204	175	189	211	229	195	211	235	255
	D+L (Deflection)	80	89	103	117	98	109	126	142	119	132	152	170	143	157	180	202
	L (Deflection)	79	85	96	105	93	101	113	124	109	117	131	144	126	136	152	167
15'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	112	122	137	150	127	139	155	170	144	156	175	190	161	175	196	213
	D+L (Deflection)	57	65	76	87	72	81	94	107	89	99	115	130	107	119	137	155
	L (Deflection)	57	65	76	86	72	81	92	101	89	95	107	117	103	111	124	136
16'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	91	100	113	124	104	114	129	141	118	129	146	159	133	145	163	178
	D+L (Deflection)	40	46	56	65	52	59	70	81	65	73	87	99	80	90	105	119
	L (Deflection)	40	46	56	65	52	59	70	81	65	73	87	97	80	90	102	112
17'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	74	82	94	103	85	94	107	117	88	107	121	133	96	121	136	150
	D+L (Deflection)	27	32	40	47	37	42	51	60	47	54	65	75	59	67	79	91
	L (Deflection)	27	32	40	47	37	42	51	60	47	54	65	75	59	67	79	91
18'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	60	67	77	85	66	77	88	98	72	88	101	111	78	100	114	125
	D+L (Deflection)	17	21	27	33	24	29	37	44	33	38	47	56	43	49	59	69
	L (Deflection)	17	21	27	33	24	29	37	44	33	38	47	56	43	49	59	69
19'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	49	54	63	70	54	74	73	81	59	81	83	93	64	88	95	105
	D+L (Deflection)	8	12	17	22	14	18	25	31	21	26	33	40	29	35	43	51
	L (Deflection)	8	12	17	22	14	18	25	31	21	26	33	40	29	35	43	51
20'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	39	56	51	57	43	61	59	67	47	67	69	77	52	73	79	88
	D+L (Deflection)	2	4	9	13	6	10	15	20	12	16	22	28	18	23	30	37
	L (Deflection)	2	4	9	13	6	10	15	20	12	16	22	28	18	23	30	37

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

1span	6'-11"	7'-11"	9'-5"	10'-10"	6'-9"	7'-9"	9'-2"	10'-7"	6'-7"	7'-7"	9'-0"	10'-4"	6'-6"	7'-5"	8'-9"	10'-1"
2span	8'-8"	9'-8"	11'-3"	12'-9"	8'-6"	9'-5"	11'-0"	12'-6"	8'-3"	9'-3"	10'-10"	12'-3"	8'-1"	9'-1"	10'-7"	12'-0"
3span	8'-11"	10'-0"	11'-8"	13'-2"	8'-9"	9'-9"	11'-5"	12'-11"	8'-7"	9'-7"	11'-2"	12'-8"	8'-5"	9'-5"	10'-11"	12'-5"
cantilever	2'-10"	3'-4"	4'-3"	5'-0"	2'-9"	3'-3"	4'-2"	4'-11"	2'-9"	3'-3"	4'-1"	4'-10"	2'-8"	3'-2"	4'-0"	4'-9"
cy/100sf	1.13				1.21				1.29				1.37			

8'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	← Max. superimposed LRFD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	400	← Max. superimposed LRFD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	400	← Max. superimposed LRFD unfactored live load (psf) (governed by deflection limitation of L/360)
			← Vertical load span (center to center spacing)

Wd Weight of deck (uncoated), psf

I<sub>b</sub> Moment of inertia for deflection per foot of deck width (in<sup>4</sup>)/ft

S<sub>p</sub> Section modulus for positive bending per foot of deck width, (in<sup>3</sup>)/ft

S<sub>n</sub> Section modulus for negative bending per foot of deck width, (in<sup>3</sup>)/ft

f<sub>c</sub> 3000 psi

λ<sub>D</sub>, λ<sub>L</sub> Load factors for dead and live loads to be applied by Engineer in accordance with Building Codes.

Rbe Allowable exterior web crippling value per foot of deck, plf

Rbi Allowable interior web crippling value per foot of deck, plf

h Total height of concrete slab, in

Wc Weight of concrete (neglecting deflection), psf

D Uniform dead load, psf

L Uniform live load, psf

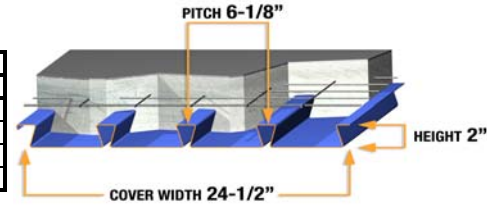
If welded wire fabric is not supplied per ACI requirements (0.00075'Ac), reduce loads by 10%. The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Steel Deck Institute's Composite Deck Design Handbook, March 1997 and Design Manual, Pub. No. 30, and ASCE's Standard for the Structural Design of Composite Slabs. The loads in these tables are based on a Simple Span Design Analysis.

120 PCF LIGHTWEIGHT CONCRETE TABLE

SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I <sub>b</sub>	S <sub>p</sub>	S <sub>n</sub>	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.22	0.409	0.289	0.268	1089	1254	1393	2076	2239	2386
20	2.69	0.497	0.363	0.337	1550	1777	1969	2947	3170	3372
18	3.56	0.661	0.485	0.462	2583	2942	3245	4892	5245	5563
16	4.48	0.836	0.617	0.598	3937	4461	4902	7441	7952	8414



MAXIMUM SUPERIMPOSED LRFD LOADS, (psf), NO STUDS ON BEAMS

h (Wc)		5 (46.7)				5.25 (49.2)				5.5 (51.7)				5.75 (54.2)			
Span	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
9'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
10'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	399	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
11'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	385	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	385	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	300	322	360	396	343	368	400	400	389	400	400	400	400	400	400	400
12'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	322	346	382	400	354	381	400	400	387	400	400	400	400	400	400	400
	D+L (Deflection)	297	323	366	400	344	373	400	400	387	400	400	400	400	400	400	400
	L (Deflection)	231	248	277	305	264	284	317	348	300	322	359	394	339	364	400	400
13'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	263	284	315	340	290	313	347	375	318	343	380	400	339	375	400	400
	D+L (Deflection)	223	243	277	308	260	283	321	356	300	326	369	400	339	372	400	400
	L (Deflection)	182	195	218	240	208	223	249	273	236	253	283	310	266	286	319	350
14'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	217	235	261	283	239	259	288	312	263	285	316	343	283	311	346	375
	D+L (Deflection)	169	185	212	237	198	216	246	275	229	250	284	316	263	287	325	362
	L (Deflection)	145	156	175	192	166	179	199	219	189	203	226	248	213	229	255	280
15'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	179	195	218	236	199	216	241	261	219	237	265	288	238	260	290	315
	D+L (Deflection)	128	141	163	183	151	166	190	213	176	193	221	247	204	222	254	283
	L (Deflection)	118	127	142	156	135	145	162	178	153	165	184	202	173	186	208	228
16'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	149	162	182	199	134	180	202	220	143	199	223	243	152	218	244	266
	D+L (Deflection)	97	108	125	142	115	128	147	166	136	149	172	193	152	173	199	223
	L (Deflection)	97	105	117	129	111	120	134	147	126	136	152	166	143	153	171	188
17'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	103	135	153	167	111	151	170	186	118	167	188	205	126	165	207	226
	D+L (Deflection)	73	81	96	109	88	98	114	130	104	115	134	152	122	135	156	176
	L (Deflection)	73	81	96	107	88	98	111	122	104	113	126	139	119	128	143	157
18'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	85	113	128	141	91	122	143	157	97	130	159	174	104	139	175	192
	D+L (Deflection)	54	61	73	84	66	74	88	101	79	89	104	119	94	105	122	139
	L (Deflection)	54	61	73	84	66	74	88	101	79	89	104	117	94	105	120	132
19'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	69	95	107	118	74	102	120	133	80	109	134	148	85	116	148	163
	D+L (Deflection)	38	44	54	64	48	55	67	78	59	67	80	93	71	80	95	109
	L (Deflection)	38	44	54	64	48	55	67	78	59	67	80	93	71	80	95	109
20'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	56	79	89	99	60	85	101	112	65	91	113	125	69	97	144	139
	D+L (Deflection)	26	31	39	47	34	40	50	59	43	50	61	72	53	61	74	85
	L (Deflection)	26	31	39	47	34	40	50	59	43	50	61	72	53	61	74	85

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

1span	6'-4"	7'-3"	8'-7"	9'-10"	6'-2"	7'-1"	8'-5"	9'-8"	6'-1"	7'-0"	8'-3"	9'-5"	6'-0"	6'-10"	8'-1"	9'-3"
2span	8'-0"	8'-11"	10'-5"	11'-9"	7'-10"	8'-9"	10'-2"	11'-7"	7'-8"	8'-7"	10'-0"	11'-4"	7'-6"	8'-5"	9'-10"	11'-2"
3span	8'-3"	9'-2"	10'-9"	12'-2"	8'-1"	9'-0"	10'-6"	11'-11"	7'-11"	8'-10"	10'-4"	11'-9"	7'-9"	8'-9"	10'-2"	11'-6"
cantilever	2'-8"	3'-2"	3'-11"	4'-8"	2'-8"	3'-1"	3'-11"	4'-7"	2'-7"	3'-1"	3'-10"	4'-7"	2'-7"	3'-0"	3'-9"	4'-6"
cy/100sf	1.44				1.52				1.60				1.67			

8'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	← Max. superimposed LRFD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	400	← Max. superimposed LRFD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	400	← Max. superimposed LRFD unfactored live load (psf) (governed by deflection limitation of L/360)
			← Vertical load span (center to center spacing)

Wd Weight of deck (uncoated), psf

I<sub>b</sub> Moment of inertia for deflection per foot of deck width (in<sup>4</sup>/ft)

S<sub>p</sub> Section modulus for positive bending per foot of deck width, (in<sup>3</sup>/ft)

S<sub>n</sub> Section modulus for negative bending per foot of deck width, (in<sup>3</sup>/ft)

f<sub>c</sub> 3000 psi

λ<sub>D</sub>, λ<sub>L</sub> Load factors for dead and live loads to be applied by Engineer in accordance with Building Codes.

Rbe Allowable exterior web crippling value per foot of deck, plf

Rbi Allowable interior web crippling value per foot of deck, plf

h Total height of concrete slab, in

Wc Weight of concrete (neglecting deflection), psf

D Uniform dead load, psf

L Uniform live load, psf

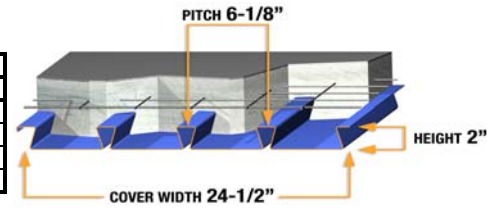
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120 PCF LIGHTWEIGHT CONCRETE TABLE

SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I <sub>b</sub>	S <sub>p</sub>	S <sub>n</sub>	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.22	0.409	0.289	0.268	1089	1254	1393	2076	2239	2386
20	2.69	0.497	0.363	0.337	1550	1777	1969	2947	3170	3372
18	3.56	0.661	0.485	0.462	2583	2942	3245	4892	5245	5563
16	4.48	0.836	0.617	0.598	3937	4461	4902	7441	7952	8414



MAXIMUM SUPERIMPOSED LRFD LOADS, (psf), NO STUDS ON BEAMS																	
h (Wc)		6 (56.7)				6.25 (59.2)				6.5 (61.7)				6.75 (64.2)			
Span	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
9'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
10'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
11'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
12'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	381	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
13'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	358	400	400	400	377	400	400	400	396	400	400	400	400	400	400	400
	D+L (Deflection)	358	400	400	400	377	400	400	400	396	400	400	400	400	400	400	400
	L (Deflection)	299	322	358	393	335	360	400	400	373	400	400	400	400	400	400	400
14'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	299	339	377	400	315	368	400	400	331	397	400	400	346	400	400	400
	D+L (Deflection)	299	327	370	400	315	368	400	400	331	397	400	400	346	400	400	400
	L (Deflection)	240	257	287	315	268	288	321	352	299	321	357	391	332	355	395	400
15'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	195	284	316	344	206	308	344	373	217	334	372	400	228	360	400	400
	D+L (Deflection)	195	254	289	322	206	289	328	365	217	326	370	400	228	360	400	400
	L (Deflection)	195	209	233	256	206	234	261	286	217	261	290	318	228	289	321	352
16'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	161	239	267	291	170	260	291	317	180	282	315	343	189	244	341	371
	D+L (Deflection)	161	199	228	255	170	227	259	289	180	258	293	327	189	244	329	367
	L (Deflection)	161	172	192	211	170	193	215	236	180	215	239	262	189	238	265	290
17'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	133	175	226	247	141	185	247	269	149	195	268	293	156	205	290	317
	D+L (Deflection)	133	156	180	202	141	179	206	231	149	195	233	261	156	205	263	294
	L (Deflection)	133	144	160	176	141	161	179	196	149	179	199	218	156	199	221	242
18'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	110	147	192	211	116	156	210	230	123	164	228	250	129	173	248	271
	D+L (Deflection)	110	122	142	161	116	141	163	184	123	162	186	210	129	173	211	237
	L (Deflection)	110	121	135	148	116	135	151	165	123	151	168	184	129	167	186	204
19'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	90	123	163	180	95	131	179	197	101	138	204	214	106	145	214	233
	D+L (Deflection)	85	95	112	128	95	111	129	147	101	128	149	168	106	145	169	191
	L (Deflection)	85	95	112	126	95	111	128	141	101	128	143	156	106	142	158	173
20'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	73	103	156	153	78	109	165	168	82	116	175	184	86	122	184	200
	D+L (Deflection)	64	73	87	101	77	86	102	117	82	100	118	135	86	116	136	154
	L (Deflection)	64	73	87	101	77	86	102	117	82	100	118	134	86	116	136	149
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS																	
1span	5'-10"	6'-9"	7'-11"	9'-1"	5'-9"	6'-7"	7'-10"	8'-11"	5'-8"	6'-6"	7'-8"	8'-10"	5'-8"	6'-5"	7'-7"	8'-8"	
2span	7'-5"	8'-3"	9'-8"	11'-0"	7'-3"	8'-2"	9'-6"	10'-10"	7'-2"	8'-0"	9'-5"	10'-8"	7'-1"	7'-11"	9'-3"	10'-6"	
3span	7'-8"	8'-7"	10'-0"	11'-4"	7'-6"	8'-5"	9'-10"	11'-2"	7'-5"	8'-4"	9'-8"	11'-0"	7'-4"	8'-2"	9'-7"	10'-10"	
cantilever	2'-6"	3'-0"	3'-9"	4'-5"	2'-6"	2'-11"	3'-8"	4'-4"	2'-6"	2'-11"	3'-8"	4'-4"	2'-5"	2'-11"	3'-7"	4'-3"	
cy/100sf	1.75				1.83				1.91				1.98				

8'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	400	← Max. superimposed LRFD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	400	← Max. superimposed LRFD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	400	← Max. superimposed LRFD unfactored live load (psf) (governed by deflection limitation of L/360)
Vertical load span (center to center spacing)			

- Wd Weight of deck (uncoated), psf
- I<sub>b</sub> Moment of inertia for deflection per foot of deck width (in<sup>4</sup>)/ft
- S<sub>p</sub> Section modulus for positive bending per foot of deck width, (in<sup>3</sup>)/ft
- S<sub>n</sub> Section modulus for negative bending per foot of deck width, (in<sup>3</sup>)/ft
- f<sub>c</sub> 3000 psi
- λ<sub>D</sub>, λ<sub>L</sub> Load factors for dead and live loads to be applied by Engineer in accordance with Building Codes.
- Rbe Allowable exterior web crippling value per foot of deck, plf
- Rbi Allowable interior web crippling value per foot of deck, plf
- h Total height of concrete slab, in
- Wc Weight of concrete (neglecting deflection), psf
- D Uniform dead load, psf
- L Uniform live load, psf

If welded wire fabric is not supplied per ACI requirements (0.00075\*Ac), reduce loads by 10%. The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Steel Deck Institute's Composite Deck Design Handbook, March 1997 and Design Manual, Pub. No. 30, and ASCE's Standard for the Structural Design of Composite Slabs. The loads in these tables are based on a Simple Span Design Analysis.

120 PCF LIGHTWEIGHT CONCRETE TABLE