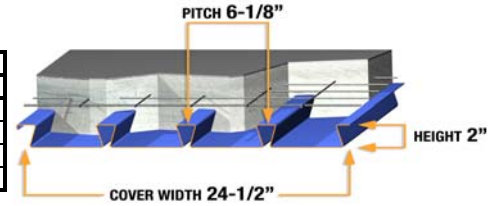


SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I <sub>b</sub>	Sp	Sn	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 (35.2)				4.25 (37.6)				4.5 (40.0)				4.75 (42.4)			
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)	286	309	347	383	337	364	400	400	394	400	400	400	400	400	400	400
10'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	324	339	368	400	350	367	397	400	376	394	400	400	400	400	400	400
	D+L (Deflection)	276	300	341	400	329	358	397	400	376	394	400	400	400	400	400	400
	L (Deflection)	209	225	253	279	246	265	298	328	287	310	347	382	333	359	400	400
11'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	268	287	317	335	300	322	355	382	335	355	386	400	363	380	400	400
	D+L (Deflection)	198	216	246	315	237	259	294	327	282	306	347	386	331	359	400	400
	L (Deflection)	157	169	190	210	185	199	224	246	216	233	261	287	250	270	302	332
12'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	216	232	257	278	243	261	288	311	271	291	321	347	301	324	357	385
	D+L (Deflection)	144	158	181	203	174	190	217	242	207	226	258	287	244	266	302	336
	L (Deflection)	121	130	146	162	142	154	172	190	166	179	201	221	193	208	232	256
13'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	176	190	210	228	198	213	236	256	222	239	264	286	247	266	294	317
	D+L (Deflection)	105	116	134	151	128	141	162	182	154	169	193	216	183	200	228	255
	L (Deflection)	95	103	115	127	112	121	135	149	131	141	158	174	152	163	183	201
14'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	144	156	173	188	162	176	195	212	182	197	219	237	204	220	244	264
	D+L (Deflection)	77	85	100	113	95	105	121	137	115	127	146	164	137	151	173	194
	L (Deflection)	76	82	92	102	90	97	108	119	105	113	126	139	121	131	146	161
15'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	118	128	143	156	134	145	162	176	151	163	182	198	169	183	204	221
	D+L (Deflection)	55	62	74	84	69	78	91	104	85	95	111	125	103	114	132	149
	L (Deflection)	55	62	74	83	69	78	88	97	85	92	103	113	99	106	119	131
16'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	97	106	119	130	110	120	135	147	125	136	152	166	140	152	171	186
	D+L (Deflection)	39	45	54	62	50	57	68	78	63	71	83	95	77	86	101	115
	L (Deflection)	39	45	54	62	50	57	68	78	63	71	83	93	77	86	98	108
17'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	79	87	99	109	91	100	113	123	90	113	127	139	97	127	143	156
	D+L (Deflection)	26	31	38	45	35	41	50	58	45	52	62	72	57	64	77	88
	L (Deflection)	26	31	38	45	35	41	50	58	45	52	62	72	57	64	77	88
18'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	62	72	82	90	68	82	94	103	74	94	107	117	80	106	120	132
	D+L (Deflection)	16	20	26	32	23	28	35	42	32	37	46	54	41	47	57	67
	L (Deflection)	16	20	26	32	23	28	35	42	32	37	46	54	41	47	57	67
19'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	50	59	68	75	55	68	78	86	60	82	89	98	66	89	101	111
	D+L (Deflection)	8	11	17	21	14	18	24	30	21	25	32	39	28	33	42	50
	L (Deflection)	8	11	17	21	14	18	24	30	21	25	32	39	28	33	42	50
20'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	41	57	55	62	45	63	64	72	49	69	74	82	53	75	84	93
	D+L (Deflection)	2	4	9	13	6	9	15	19	12	15	21	27	18	22	29	36
	L (Deflection)	2	4	9	13	6	9	15	19	12	15	21	27	18	22	29	36

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

1span	7'-0"	8'-1"	9'-7"	11'-0"	6'-10"	7'-11"	9'-4"	10'-9"	6'-8"	7'-8"	9'-2"	10'-6"	6'-7"	7'-6"	8'-11"	10'-3"
2span	8'-9"	9'-10"	11'-5"	12'-11"	8'-7"	9'-7"	11'-2"	12'-8"	8'-5"	9'-5"	11'-0"	12'-5"	8'-3"	9'-3"	10'-9"	12'-2"
3span	9'-1"	10'-2"	11'-10"	13'-4"	8'-10"	9'-11"	11'-7"	13'-1"	8'-8"	9'-9"	11'-4"	12'-10"	8'-6"	9'-6"	11'-1"	12'-7"
cantilever	2'-10"	3'-5"	4'-3"	5'-1"	2'-10"	3'-4"	4'-2"	5'-0"	2'-9"	3'-3"	4'-1"	4'-11"	2'-9"	3'-3"	4'-1"	4'-10"
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
- Sp Section modulus for positive bending per foot of deck width, (in<sup>3</sup>)/ft
- Sn 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

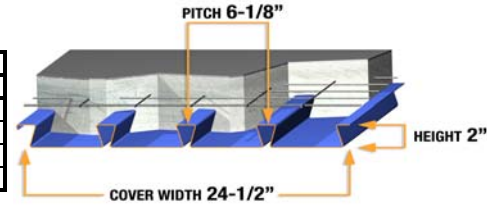
If welded wire fabric is not supplied per ACI requirements (0.00075'Ac), reduce loads by 10%. The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Steel Deck Institute's Composite Deck 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.

115 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 (44.8)				5.25 (47.2)				5.5 (49.6)				5.75 (52.0)			
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)	383	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)	386	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)	288	310	347	381	329	354	396	400	374	400	400	400	400	400	400	400
12'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	333	358	394	400	366	391	400	400	390	400	400	400	400	400	400	400
	D+L (Deflection)	286	311	352	391	331	359	400	400	380	400	400	400	400	400	400	400
	L (Deflection)	222	239	267	293	253	273	305	335	288	310	346	380	325	350	390	400
13'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	273	294	325	351	301	324	358	386	323	355	392	400	342	387	400	400
	D+L (Deflection)	215	234	267	297	250	272	309	343	288	313	355	394	329	358	400	400
	L (Deflection)	174	188	210	231	199	215	240	263	226	244	272	299	256	275	307	337
14'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	226	244	270	292	249	269	298	322	270	295	327	354	286	323	358	386
	D+L (Deflection)	162	178	204	228	190	208	237	265	220	240	273	305	253	276	313	348
	L (Deflection)	140	150	168	185	160	172	192	211	181	195	218	239	205	220	246	270
15'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	188	203	226	245	208	225	250	271	227	247	275	298	241	271	301	326
	D+L (Deflection)	123	136	157	176	145	160	183	205	169	186	212	238	196	214	244	273
	L (Deflection)	114	122	137	150	130	140	156	171	147	159	177	195	167	179	200	219
16'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	156	170	190	206	136	188	210	229	145	208	232	252	154	228	254	276
	D+L (Deflection)	93	104	121	136	111	123	142	160	130	144	166	186	152	167	191	215
	L (Deflection)	93	101	113	124	107	115	129	141	121	131	146	160	137	148	165	181
17'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	105	142	160	174	112	158	178	194	120	175	196	214	128	193	216	235
	D+L (Deflection)	70	78	92	105	84	94	110	125	100	111	129	146	117	130	150	170
	L (Deflection)	70	78	92	103	84	94	107	118	100	109	122	134	114	123	137	151
18'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	86	119	135	148	93	123	150	164	99	132	166	182	106	140	183	200
	D+L (Deflection)	51	59	70	81	63	71	85	97	76	85	100	115	90	101	118	134
	L (Deflection)	51	59	70	81	63	71	85	97	76	85	100	113	90	101	116	127
19'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	71	96	114	125	76	104	127	140	82	111	141	155	87	118	156	171
	D+L (Deflection)	37	43	52	62	46	53	64	75	57	65	77	89	69	77	92	105
	L (Deflection)	37	43	52	62	46	53	64	75	57	65	77	89	69	77	92	105
20'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	58	81	95	106	62	87	107	118	67	93	120	132	71	99	133	146
	D+L (Deflection)	25	30	38	46	33	38	48	57	41	48	59	69	51	59	71	82
	L (Deflection)	25	30	38	46	33	38	48	57	41	48	59	69	51	59	71	82

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

1span	6'-5"	7'-4"	8'-9"	10'-0"	6'-4"	7'-3"	8'-7"	9'-10"	6'-2"	7'-1"	8'-5"	9'-7"	6'-1"	6'-11"	8'-3"	9'-5"
2span	8'-1"	9'-0"	10'-7"	11'-11"	7'-11"	8'-10"	10'-4"	11'-9"	7'-10"	8'-9"	10'-2"	11'-6"	7'-8"	8'-7"	10'-0"	11'-4"
3span	8'-4"	9'-4"	10'-11"	12'-4"	8'-2"	9'-2"	10'-8"	12'-2"	8'-1"	9'-0"	10'-6"	11'-11"	7'-11"	8'-10"	10'-4"	11'-9"
cantilever	2'-8"	3'-2"	4'-0"	4'-9"	2'-8"	3'-2"	3'-11"	4'-8"	2'-7"	3'-1"	3'-10"	4'-7"	2'-7"	3'-1"	3'-10"	4'-7"
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

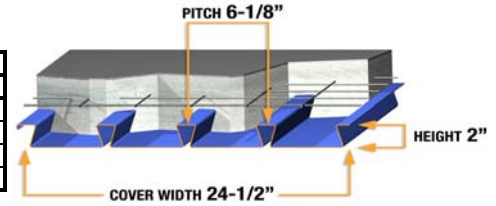
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115 PCF LIGHTWEIGHT CONCRETE TABLE

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 (54.4)				6.25 (56.8)				6.5 (59.2)				6.75 (61.6)			
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)	366	393	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)	361	400	400	400	380	400	400	400	399	400	400	400	400	400	400	400
	D+L (Deflection)	361	400	400	400	380	400	400	400	399	400	400	400	400	400	400	400
	L (Deflection)	288	309	345	378	322	346	385	400	358	385	400	400	397	400	400	400
14'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	302	351	389	400	318	381	400	400	334	400	400	400	350	400	400	400
	D+L (Deflection)	289	314	356	396	318	355	400	400	334	400	400	400	350	400	400	400
	L (Deflection)	230	247	276	303	258	277	308	339	287	308	343	377	318	341	380	400
15'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	254	295	328	355	208	320	356	386	219	347	385	400	231	366	400	400
	D+L (Deflection)	224	245	279	311	208	278	316	351	219	314	356	396	231	352	399	400
	L (Deflection)	187	201	224	246	208	225	251	275	219	250	279	306	231	278	309	339
16'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	163	249	278	301	173	271	302	328	182	293	327	355	191	312	353	384
	D+L (Deflection)	163	191	219	246	173	218	250	279	182	248	282	315	191	279	317	353
	L (Deflection)	154	166	185	203	173	185	207	227	182	206	230	252	191	229	255	280
17'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	136	177	236	257	143	187	257	280	151	197	279	304	159	208	302	328
	D+L (Deflection)	136	150	173	195	143	172	198	222	151	196	225	252	159	208	253	283
	L (Deflection)	129	138	154	169	143	155	172	189	151	172	192	210	159	191	212	233
18'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	112	149	201	220	119	158	220	240	125	167	239	261	132	175	259	282
	D+L (Deflection)	106	117	137	155	119	136	157	178	125	155	179	202	132	175	203	228
	L (Deflection)	106	116	130	143	119	130	145	159	125	145	161	177	132	161	179	196
19'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	93	126	172	188	98	133	188	206	103	140	205	224	109	148	216	243
	D+L (Deflection)	81	91	108	123	95	106	125	142	103	123	143	162	109	141	163	184
	L (Deflection)	81	91	108	121	95	106	123	135	103	123	137	151	109	137	152	167
20'-0"	λ <sub>D</sub> D+λ <sub>L</sub> L (Strength)	76	106	158	161	80	112	167	177	85	118	177	193	89	124	186	210
	D+L (Deflection)	62	70	84	97	73	83	98	113	85	97	114	130	89	111	130	149
	L (Deflection)	62	70	84	97	73	83	98	113	85	97	114	129	89	111	130	143

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

1span	6'-0"	6'-10"	8'-1"	9'-3"	5'-10"	6'-9"	7'-11"	9'-1"	5'-9"	6'-7"	7'-10"	8'-11"	5'-8"	6'-6"	7'-8"	8'-10"
2span	7'-6"	8'-5"	9'-10"	11'-2"	7'-5"	8'-3"	9'-8"	11'-0"	7'-4"	8'-2"	9'-6"	10'-10"	7'-2"	8'-0"	9'-5"	10'-8"
3span	7'-9"	8'-8"	10'-2"	11'-6"	7'-8"	8'-7"	10'-0"	11'-4"	7'-6"	8'-5"	9'-10"	11'-2"	7'-5"	8'-4"	9'-8"	11'-0"
cantilever	2'-7"	3'-0"	3'-9"	4'-6"	2'-6"	3'-0"	3'-9"	4'-5"	2'-6"	2'-11"	3'-8"	4'-4"	2'-6"	2'-11"	3'-8"	4'-4"
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.

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