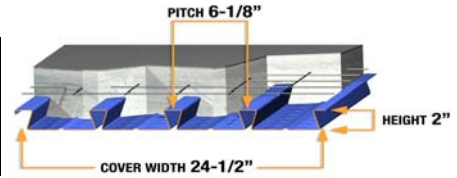


SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I _b	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.23	0.407	0.288	0.281	1089	1254	1393	2076	2239	2386
20	2.71	0.495	0.361	0.347	1550	1777	1969	2947	3170	3372
18	3.58	0.658	0.483	0.484	2583	2942	3245	4892	5245	5563
16	4.51	0.832	0.614	0.617	3937	4461	4902	7441	7952	8414



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LRFD LOADS, (psf), NO STUDS ON BEAMS																	
h (Wc)		4" (33.67)				4.25" (35.97)				4.5" (38.26)				4.75" (40.55)			
Span	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8' - 0"	λ _p D+λ _L L (Strength)	306	413	500	500	334	450	500	500	362	458	500	500	391	494	500	500
	D+L (Deflection)	306	400	400	400	334	400	400	400	362	400	400	400	391	400	400	400
	L (Deflection)	306	400	400	400	334	400	400	400	362	400	400	400	391	400	400	400
9' - 0"	λ _p D+λ _L L (Strength)	239	305	468	500	260	333	495	500	283	362	500	500	305	391	500	500
	D+L (Deflection)	239	305	400	400	260	333	400	400	283	362	400	400	305	391	400	400
	L (Deflection)	239	305	364	400	260	333	400	400	283	362	400	400	305	391	400	400
10' - 0"	λ _p D+λ _L L (Strength)	190	247	381	464	208	270	417	492	226	293	453	500	244	317	490	500
	D+L (Deflection)	190	247	360	400	208	270	400	400	226	293	400	400	244	317	400	400
	L (Deflection)	190	236	265	292	208	270	312	343	226	293	364	400	244	317	400	400
11' - 0"	λ _p D+λ _L L (Strength)	154	203	310	347	169	222	339	478	183	242	369	500	198	261	399	500
	D+L (Deflection)	154	203	261	329	169	222	312	346	183	242	368	400	198	261	399	400
	L (Deflection)	154	178	199	219	169	209	234	258	183	242	273	301	198	261	316	348
12' - 0"	λ _p D+λ _L L (Strength)	127	170	256	355	139	186	280	397	151	202	305	432	163	219	330	467
	D+L (Deflection)	127	169	193	215	139	186	231	257	151	202	274	304	163	219	321	357
	L (Deflection)	127	137	153	169	139	161	180	199	151	188	210	231	163	218	244	268
13' - 0"	λ _p D+λ _L L (Strength)	105	141	214	296	115	154	235	333	125	168	255	363	136	181	276	393
	D+L (Deflection)	105	125	144	161	115	151	173	194	125	168	206	230	136	181	243	271
	L (Deflection)	100	108	121	133	115	127	142	156	125	148	166	182	136	172	192	211
14' - 0"	λ _p D+λ _L L (Strength)	88	117	181	249	96	129	198	283	105	140	216	309	114	152	234	334
	D+L (Deflection)	84	93	108	121	96	114	131	147	105	137	157	176	114	152	186	208
	L (Deflection)	80	86	97	106	94	101	114	125	105	119	133	146	114	137	153	169
15' - 0"	λ _p D+λ _L L (Strength)	74	99	154	211	81	108	169	243	88	118	184	265	96	128	199	287
	D+L (Deflection)	61	69	80	92	77	85	99	112	88	104	120	135	96	124	143	161
	L (Deflection)	61	69	79	87	77	83	92	102	88	96	108	119	96	112	125	137
16' - 0"	λ _p D+λ _L L (Strength)	62	84	132	180	68	92	145	210	74	100	158	229	80	109	171	248
	D+L (Deflection)	44	50	60	69	56	63	75	85	70	78	91	104	80	95	110	124
	L (Deflection)	44	50	60	69	56	63	75	84	70	78	89	98	80	92	103	113
17' - 0"	λ _p D+λ _L L (Strength)	51	71	114	154	57	78	125	182	62	85	136	199	68	93	148	216
	D+L (Deflection)	31	36	44	51	41	46	56	64	52	58	69	79	64	72	84	96
	L (Deflection)	31	36	44	51	41	46	56	64	52	58	69	79	64	72	84	94
18' - 0"	λ _p D+λ _L L (Strength)	43	60	98	132	43	66	108	156	47	73	118	174	51	79	128	189
	D+L (Deflection)	20	24	31	37	28	33	41	48	37	43	52	60	47	54	64	74
	L (Deflection)	20	24	31	37	28	33	41	48	37	43	52	60	47	54	64	74
19' - 0"	λ _p D+λ _L L (Strength)	31	51	85	114	35	57	94	134	38	62	103	151	42	68	112	166
	D+L (Deflection)	12	15	21	26	18	22	29	35	26	30	38	45	34	39	48	56
	L (Deflection)	12	15	21	26	18	22	29	35	26	30	38	45	34	39	48	56
20' - 0"	λ _p D+λ _L L (Strength)	25	44	74	99	28	43	82	115	31	48	90	130	34	52	98	146
	D+L (Deflection)	5	8	12	17	10	14	19	24	16	20	26	32	23	27	35	42
	L (Deflection)	5	8	12	17	10	14	19	24	16	20	26	32	23	27	35	42

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

8' - 0"	λ _p D+λ _L L (Strength)	306	← Max. superimposed LRFD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	306	← Max. superimposed LRFD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	306	← 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_b Moment of inertia for deflection per foot of deck width (in⁴/ft)
- Sp Section modulus for positive bending per foot of deck width, (in³/ft)
- Sn Section modulus for negative bending per foot of deck width, (in³/ft)
- f'c 4000 psi
- λ_p, λ_L Load factors for dead and live loads, respectively, 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

Construction spans shown based on 1.5" exterior bearing and 3" interior bearing width.

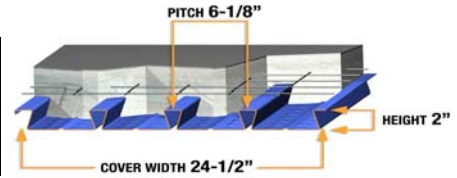
If welded wire fabric is not supplied per ACI requirements (0.00075*Ac), reduce loads by 10%. The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Steel Deck Institute's Composite Deck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

110 PCF CONCRETE

SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I _b	S _p	S _n	R _{be}			R _{bi}		
					2"	3"	4"	4"	5"	6"
22	2.23	0.407	0.288	0.281	1089	1254	1393	2076	2239	2386
20	2.71	0.495	0.361	0.347	1550	1777	1969	2947	3170	3372
18	3.58	0.658	0.483	0.484	2583	2942	3245	4892	5245	5563
16	4.51	0.832	0.614	0.617	3937	4461	4902	7441	7952	8414



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LRFD LOADS, (psf), NO STUDS ON BEAMS																	
h (Wc)		5" (42.84)				5.25" (45.13)				5.5" (47.42)				5.75" (49.72)			
Span	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8' - 0"	λ _p D+λ _L L (Strength)	420	500	500	500	450	500	500	500	480	500	500	500	500	500	500	500
	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 _p D+λ _L L (Strength)	328	421	500	500	352	451	500	500	375	481	500	500	399	500	500	500
	D+L (Deflection)	328	400	400	400	352	400	400	400	375	400	400	400	399	400	400	400
	L (Deflection)	328	400	400	400	352	400	400	400	375	400	400	400	399	400	400	400
10' - 0"	λ _p D+λ _L L (Strength)	262	341	500	500	281	365	500	500	300	390	500	500	319	414	500	500
	D+L (Deflection)	262	341	400	400	281	365	400	400	300	390	400	400	319	400	400	400
	L (Deflection)	262	341	400	400	281	365	400	400	300	390	400	400	319	400	400	400
11' - 0"	λ _p D+λ _L L (Strength)	213	281	430	500	229	301	461	500	244	322	492	500	259	342	500	500
	D+L (Deflection)	213	281	400	400	229	301	400	400	244	322	400	400	259	342	400	400
	L (Deflection)	213	281	364	399	229	301	400	400	244	322	400	400	259	342	400	400
12' - 0"	λ _p D+λ _L L (Strength)	176	235	356	500	188	252	381	500	201	269	407	500	214	287	434	500
	D+L (Deflection)	176	235	356	400	188	252	381	400	201	269	400	400	214	287	400	400
	L (Deflection)	176	235	280	308	188	252	320	351	201	269	363	398	214	287	400	400
13' - 0"	λ _p D+λ _L L (Strength)	146	195	298	424	157	210	320	455	168	224	341	486	179	239	364	500
	D+L (Deflection)	146	195	284	316	157	210	320	365	168	224	341	400	179	239	364	400
	L (Deflection)	146	195	220	242	157	210	251	276	168	224	285	313	179	239	322	354
14' - 0"	λ _p D+λ _L L (Strength)	123	164	252	360	132	176	270	387	141	188	289	414	150	200	308	441
	D+L (Deflection)	123	164	218	243	132	176	253	282	141	188	289	324	150	200	308	370
	L (Deflection)	123	158	176	194	132	176	201	221	141	188	229	251	150	200	258	283
15' - 0"	λ _p D+λ _L L (Strength)	104	138	215	309	111	149	231	332	119	159	247	355	127	169	263	379
	D+L (Deflection)	104	138	169	189	111	149	197	220	119	159	228	254	127	169	261	291
	L (Deflection)	104	128	143	158	111	147	164	180	119	159	186	204	127	169	210	230
16' - 0"	λ _p D+λ _L L (Strength)	87	117	185	268	94	126	199	288	100	135	212	308	107	144	226	328
	D+L (Deflection)	87	113	131	147	94	126	154	172	100	135	179	200	107	144	206	230
	L (Deflection)	87	106	118	130	94	121	135	148	100	135	153	168	107	144	173	190
17' - 0"	λ _p D+λ _L L (Strength)	67	100	160	233	73	108	172	250	78	115	184	268	84	123	196	286
	D+L (Deflection)	67	87	101	115	73	103	120	136	78	115	140	158	84	123	163	183
	L (Deflection)	67	87	98	108	73	101	112	123	78	114	128	140	84	123	144	158
18' - 0"	λ _p D+λ _L L (Strength)	56	86	139	204	60	92	149	219	65	99	160	235	70	99	171	251
	D+L (Deflection)	56	66	78	89	60	79	93	106	65	94	110	125	70	99	129	145
	L (Deflection)	56	66	78	89	60	79	93	104	65	94	108	118	70	99	121	133
19' - 0"	λ _p D+λ _L L (Strength)	46	67	121	179	50	73	130	193	54	78	140	207	58	84	149	221
	D+L (Deflection)	43	49	59	69	50	60	72	83	54	73	86	99	58	84	101	116
	L (Deflection)	43	49	59	69	50	60	72	83	54	73	86	99	58	84	101	113
20' - 0"	λ _p D+λ _L L (Strength)	38	57	106	158	41	62	114	171	44	66	122	183	48	71	131	195
	D+L (Deflection)	30	36	44	52	39	45	55	64	44	55	67	77	48	67	79	91
	L (Deflection)	30	36	44	52	39	45	55	64	44	55	67	77	48	67	79	91

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

8' - 0"	λ _p D+λ _L L (Strength)	420	← 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_b Moment of inertia for deflection per foot of deck width (in⁴/ft)

S_p Section modulus for positive bending per foot of deck width, (in³/ft)

S_n Section modulus for negative bending per foot of deck width, (in³/ft)

f'c 4000 psi

λ_p, λ_L Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes

R_{be} Allowable exterior web crippling value per foot of deck, plf

R_{bi} 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

Construction spans shown based on 1.5" exterior bearing and 3" interior bearing width.

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,

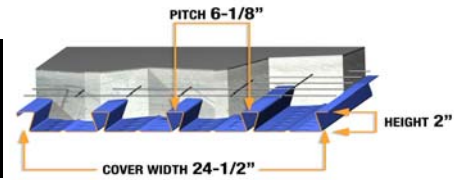
Pub. No. 30, and ASCE's Standard for the Structural Design of Composite Slabs. The loads in these tables are based on a Simple Span Design Analysis.

110 PCF CONCRETE

SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I _b	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.23	0.407	0.288	0.281	1089	1254	1393	2076	2239	2386
20	2.71	0.495	0.361	0.347	1550	1777	1969	2947	3170	3372
18	3.58	0.658	0.483	0.484	2583	2942	3245	4892	5245	5563
16	4.51	0.832	0.614	0.617	3937	4461	4902	7441	7952	8414



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LRFD LOADS, (psf), NO STUDS ON BEAMS																	
h (Wc)		6" (52.01)				6.25" (54.3)				6.5" (56.59)				6.75" (58.88)			
Span	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8' - 0"	λ _p D+λ _L L (Strength)	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
	D+L (Deflection)	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	
9' - 0"	λ _p D+λ _L L (Strength)	422	500	500	500	446	500	500	500	470	500	500	500	494	500	500	
	D+L (Deflection)	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	
10' - 0"	λ _p D+λ _L L (Strength)	338	439	500	500	357	464	500	500	377	490	500	500	396	500	500	
	D+L (Deflection)	338	400	400	400	357	400	400	400	377	400	400	400	396	400	400	
	L (Deflection)	338	400	400	400	357	400	400	400	377	400	400	400	396	400	400	
11' - 0"	λ _p D+λ _L L (Strength)	275	363	500	500	291	384	500	500	307	405	500	500	323	426	500	
	D+L (Deflection)	275	363	400	400	291	384	400	400	307	400	400	400	323	400	400	
	L (Deflection)	275	363	400	400	291	384	400	400	307	400	400	400	323	400	400	
12' - 0"	λ _p D+λ _L L (Strength)	227	304	460	500	240	322	487	500	253	339	500	500	267	357	500	
	D+L (Deflection)	227	304	400	400	240	322	400	400	253	339	400	400	267	357	400	
	L (Deflection)	227	304	400	400	240	322	400	400	253	339	400	400	267	357	400	
13' - 0"	λ _p D+λ _L L (Strength)	190	253	386	500	201	268	408	500	212	283	431	500	223	297	454	
	D+L (Deflection)	190	253	386	400	201	268	400	400	212	283	400	400	223	297	400	
	L (Deflection)	190	253	362	397	201	268	400	400	212	283	400	400	223	297	400	
14' - 0"	λ _p D+λ _L L (Strength)	160	213	327	468	169	225	346	496	178	238	365	500	188	250	385	
	D+L (Deflection)	160	213	327	400	169	225	346	400	178	238	365	400	188	250	385	
	L (Deflection)	160	213	290	318	169	225	324	355	178	238	360	395	188	250	385	
15' - 0"	λ _p D+λ _L L (Strength)	135	180	279	402	143	191	296	426	151	201	313	450	159	212	329	
	D+L (Deflection)	135	180	279	331	143	191	296	374	151	201	313	400	159	212	329	
	L (Deflection)	135	180	236	258	143	191	263	289	151	201	293	321	159	212	325	
16' - 0"	λ _p D+λ _L L (Strength)	107	153	241	348	113	162	255	369	120	171	269	390	126	181	284	
	D+L (Deflection)	107	153	235	263	113	162	255	298	120	171	269	336	126	181	284	
	L (Deflection)	107	153	194	213	113	162	217	238	120	171	241	265	126	181	268	
17' - 0"	λ _p D+λ _L L (Strength)	89	131	208	304	95	139	221	322	100	139	233	340	106	147	246	
	D+L (Deflection)	89	131	187	210	95	139	213	239	100	139	233	270	106	147	246	
	L (Deflection)	89	131	162	178	95	139	181	198	100	139	201	221	106	147	223	
18' - 0"	λ _p D+λ _L L (Strength)	74	105	181	266	79	112	192	282	84	118	203	299	89	125	214	
	D+L (Deflection)	74	105	149	168	79	112	171	192	84	118	194	218	89	125	214	
	L (Deflection)	74	105	136	150	79	112	152	167	84	118	170	186	89	125	188	
19' - 0"	λ _p D+λ _L L (Strength)	62	90	158	235	66	95	168	249	70	101	178	263	74	107	188	
	D+L (Deflection)	62	90	118	134	66	95	136	154	70	101	156	176	74	107	177	
	L (Deflection)	62	90	116	127	66	95	130	142	70	101	144	158	74	107	160	
20' - 0"	λ _p D+λ _L L (Strength)	51	76	139	208	55	81	147	220	58	86	148	233	62	91	157	
	D+L (Deflection)	51	76	93	107	55	81	109	124	58	86	125	142	62	91	143	
	L (Deflection)	51	76	93	107	55	81	109	122	58	86	124	136	62	91	137	

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS																
1span	6' - 1"	6' - 11"	8' - 2"	9' - 5"	5' - 11"	6' - 10"	8' - 1"	9' - 3"	5' - 10"	6' - 8"	7' - 11"	9' - 1"	5' - 9"	6' - 7"	7' - 9"	8' - 11"
2span	7' - 10"	8' - 8"	10' - 3"	11' - 6"	7' - 9"	8' - 7"	10' - 1"	11' - 4"	7' - 7"	8' - 5"	9' - 11"	11' - 2"	7' - 6"	8' - 4"	9' - 9"	11' - 0"
3span	8' - 1"	9' - 0"	10' - 7"	11' - 11"	8' - 0"	8' - 10"	10' - 5"	11' - 9"	7' - 10"	8' - 9"	10' - 3"	11' - 6"	7' - 9"	8' - 7"	10' - 1"	11' - 4"
cantilever	2' - 8"	3' - 2"	3' - 11"	4' - 8"	2' - 8"	3' - 1"	3' - 11"	4' - 7"	2' - 7"	3' - 1"	3' - 10"	4' - 6"	2' - 7"	3' - 0"	3' - 10"	4' - 6"
cy/100sf	1.75			1.83				1.91				1.98				

8' - 0"	λ _p D+λ _L L (Strength)	500	← 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_b Moment of inertia for deflection per foot of deck width (in⁴/ft)

Sp Section modulus for positive bending per foot of deck width, (in³/ft)

Sn Section modulus for negative bending per foot of deck width, (in³/ft)

f'c 4000 psi

λ_p, λ_L Load factors for dead and live loads, respectively, 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

Construction spans shown based on 1.5" exterior bearing and 3" interior bearing width.

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.

110 PCF CONCRETE