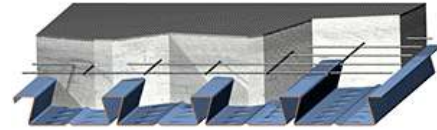


SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I _b	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.25	0.417	0.304	0.301	976	1124	1248	1848	1993	2124
20	2.72	0.505	0.386	0.371	1390	1593	1765	2623	2822	3002
18	3.60	0.667	0.510	0.496	2315	2637	2909	4355	4668	4952
16	4.53	0.838	0.640	0.624	3530	3999	4395	6624	7079	7490



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (psf), NO STUDS ON BEAMS

Span	h (Wc)	Load Combinations	4" (34.74)				4.25" (37.14)				4.5" (39.53)				4.75" (41.93)			
			GAGE															
			22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	305	379	500	500	333	413	500	500	355	449	500	500	364	485	500	500
		L (Deflection)	305	379	400	400	333	400	400	400	355	400	400	400	364	400	400	400
		L (Deflection)	305	379	400	400	333	400	400	400	355	400	400	400	364	400	400	400
9' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	215	305	449	500	235	320	480	500	256	331	500	500	277	340	500	500
		L (Deflection)	215	305	400	400	235	320	400	400	256	331	400	400	277	340	400	400
		L (Deflection)	215	305	343	379	235	320	400	400	256	331	400	400	277	340	400	400
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	170	209	327	445	186	212	343	474	203	265	356	499	220	287	368	500
		L (Deflection)	170	209	327	400	186	212	343	400	203	265	356	400	220	287	368	400
		L (Deflection)	170	209	250	276	186	212	295	324	203	265	344	378	220	287	368	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	137	182	234	333	150	199	306	349	164	217	334	364	178	235	362	377
		L (Deflection)	137	182	234	311	150	199	291	349	164	217	334	364	178	235	362	377
		L (Deflection)	137	168	188	207	150	197	221	244	164	217	258	284	178	235	299	329
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	112	151	229	247	123	166	252	278	134	181	275	310	145	196	298	344
		L (Deflection)	112	151	179	200	123	166	215	240	134	181	255	284	145	196	298	333
		L (Deflection)	112	129	145	160	123	152	170	188	134	178	199	219	145	196	230	253
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	92	125	186	202	101	137	209	227	111	149	229	254	120	162	249	283
		L (Deflection)	92	115	133	149	101	137	160	180	111	149	191	214	120	162	226	252
		L (Deflection)	92	102	114	126	101	120	134	148	111	140	156	172	120	162	181	199
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	76	103	152	166	84	114	172	187	92	124	193	209	100	135	210	234
		L (Deflection)	76	84	98	112	84	104	120	136	92	124	145	163	100	135	172	193
		L (Deflection)	75	81	91	101	84	96	107	118	92	112	125	138	100	130	145	160
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	64	86	125	136	70	95	141	154	77	104	160	174	84	113	178	194
		L (Deflection)	55	62	73	83	69	77	90	102	77	94	110	124	84	113	131	148
		L (Deflection)	55	62	73	82	69	77	87	96	77	91	102	112	84	105	118	130
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	52	72	102	112	58	80	117	128	63	87	132	144	69	95	149	162
		L (Deflection)	39	44	53	62	50	56	67	77	62	70	83	94	69	86	100	114
		L (Deflection)	39	44	53	62	50	56	67	77	62	70	83	92	69	86	97	107
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	43	61	84	92	48	67	96	106	52	74	109	120	51	80	123	135
		L (Deflection)	26	31	38	45	35	40	49	57	45	51	62	71	51	64	76	87
		L (Deflection)	26	31	38	45	35	40	49	57	45	51	62	71	51	64	76	87
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	30	51	68	76	34	56	79	87	38	62	90	100	41	68	102	113
		L (Deflection)	16	20	26	32	23	28	35	42	31	37	45	53	41	47	57	66
		L (Deflection)	16	20	26	32	23	28	35	42	31	37	45	53	41	47	57	66
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	24	43	55	62	27	47	64	72	30	52	74	82	33	57	85	94
		L (Deflection)	8	11	16	21	14	18	24	29	20	25	32	39	28	33	41	49
		L (Deflection)	8	11	16	21	14	18	24	29	20	25	32	39	28	33	41	49
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	18	36	44	50	21	40	52	58	23	38	60	68	26	42	69	78
		L (Deflection)	2	4	9	12	6	9	14	19	12	15	21	27	18	22	29	36
		L (Deflection)	2	4	9	12	6	9	14	19	12	15	21	27	18	22	29	36

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

	8' - 10"	10' - 2"	11' - 1"	11' - 10"	8' - 8"	10' - 0"	10' - 11"	11' - 8"	8' - 6"	9' - 10"	10' - 8"	11' - 5"	8' - 4"	9' - 7"	10' - 6"	11' - 3"
1span	8' - 10"	10' - 2"	11' - 1"	11' - 10"	8' - 8"	10' - 0"	10' - 11"	11' - 8"	8' - 6"	9' - 10"	10' - 8"	11' - 5"	8' - 4"	9' - 7"	10' - 6"	11' - 3"
2span	8' - 11"	10' - 3"	12' - 2"	13' - 7"	8' - 9"	10' - 1"	12' - 0"	13' - 4"	8' - 7"	9' - 10"	11' - 9"	13' - 1"	8' - 5"	9' - 8"	11' - 6"	12' - 10"
3span	9' - 3"	10' - 8"	12' - 7"	13' - 11"	9' - 1"	10' - 5"	12' - 4"	13' - 8"	8' - 10"	10' - 2"	12' - 1"	13' - 6"	8' - 8"	10' - 0"	11' - 11"	13' - 3"
cantilever	3' - 2"	3' - 9"	4' - 8"	5' - 6"	3' - 2"	3' - 8"	4' - 7"	5' - 4"	3' - 1"	3' - 8"	4' - 6"	5' - 3"	3' - 1"	3' - 7"	4' - 5"	5' - 2"
cy/100sf	1.12				1.20				1.27				1.35			

8' - 0"	α _D D+α _L L (Strength)	305	← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	305	← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	305	← Max. superimposed LSD 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)
- fc** 3000 psi
- α_D, α_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, pf
- Rbi** Allowable interior web crippling value per foot of deck, pf
- h** Total height of concrete slab, in
- Wc** Weight of concrete (neglecting deflection), psf
- D** Uniform dead load, psf
- L** Uniform live load, psf

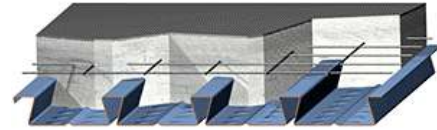
Construction spans shown based on 2" exterior bearing and 4" interior bearing width.
 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design of Composite Slabs (CSSBI S3-2002), September 2003. The loads in these tables are based on a Simple Span Design Analysis.

115 PCF CONCRETE

SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I _b	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.25	0.417	0.304	0.301	976	1124	1248	1848	1993	2124
20	2.72	0.505	0.386	0.371	1390	1593	1765	2623	2822	3002
18	3.60	0.667	0.510	0.496	2315	2637	2909	4355	4668	4952
16	4.53	0.838	0.640	0.624	3530	3999	4395	6624	7079	7490



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (psf), NO STUDS ON BEAMS

Span	h (Wc)	Load Combinations	5" (44.32)				5.25" (46.72)				5.5" (49.11)				5.75" (51.51)			
			GAGE															
			22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	371	500	500	500	375	500	500	500	438	500	500	500	466	500	500	500
		L (Deflection)	371	400	400	400	375	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	371	400	400	400	375	400	400	400	400	400	400	400	400	400	400	400
9' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	298	346	500	500	319	351	500	500	341	352	500	500	363	352	500	500
		L (Deflection)	298	346	400	400	319	351	400	400	341	352	400	400	363	352	400	400
		L (Deflection)	298	346	400	400	319	351	400	400	341	352	400	400	363	352	400	400
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	237	309	377	500	254	331	385	500	272	354	390	500	289	377	500	500
		L (Deflection)	237	309	377	400	254	331	385	400	272	354	390	400	289	377	400	400
		L (Deflection)	237	309	377	400	254	331	385	400	272	354	390	400	289	377	400	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	192	254	390	388	206	272	419	500	220	291	448	500	234	310	477	500
		L (Deflection)	192	254	390	388	206	272	400	400	220	291	400	400	234	310	400	400
		L (Deflection)	192	254	344	378	206	272	393	400	220	291	400	400	234	310	400	400
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	157	212	322	381	169	227	346	419	180	243	370	460	192	259	394	500
		L (Deflection)	157	212	322	381	169	227	346	400	180	243	370	400	192	259	394	400
		L (Deflection)	157	212	265	291	169	227	302	332	180	243	343	377	192	259	388	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	130	175	269	313	140	188	289	345	149	201	309	379	159	215	329	414
		L (Deflection)	130	175	264	294	140	188	289	341	149	201	309	379	159	215	329	400
		L (Deflection)	130	175	208	229	140	188	238	261	149	201	270	297	159	215	305	335
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	108	146	226	260	116	157	243	287	125	168	261	315	133	179	278	345
		L (Deflection)	108	146	202	226	116	157	235	263	125	168	261	303	133	179	278	345
		L (Deflection)	108	146	167	183	116	157	190	209	125	168	216	238	133	179	244	268
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	90	122	192	216	97	132	207	240	105	141	222	264	112	151	237	290
		L (Deflection)	90	122	155	175	97	132	182	204	105	141	211	236	112	151	237	271
		L (Deflection)	90	121	136	149	97	132	155	170	105	141	176	193	112	151	198	218
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	75	103	165	181	81	111	177	201	80	119	190	222	86	127	203	244
		L (Deflection)	75	103	120	135	81	111	141	159	80	119	164	185	86	127	190	213
		L (Deflection)	75	100	112	123	81	111	128	140	80	119	145	159	86	127	164	180
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	56	87	138	152	61	94	152	169	66	101	164	187	70	108	175	206
		L (Deflection)	56	78	92	105	61	93	109	124	66	101	128	145	70	108	149	168
		L (Deflection)	56	78	92	102	61	93	106	117	66	101	121	133	70	108	136	150
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	45	74	115	127	49	80	129	142	53	86	141	158	57	92	151	174
		L (Deflection)	45	58	70	80	49	71	84	96	53	85	100	114	57	92	117	133
		L (Deflection)	45	58	70	80	49	71	84	96	53	85	100	112	57	92	115	126
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	36	62	96	106	40	61	108	119	43	66	121	133	47	71	131	147
		L (Deflection)	36	42	52	61	40	53	64	74	43	64	77	89	47	71	91	105
		L (Deflection)	36	42	52	61	40	53	64	74	43	64	77	89	47	71	91	105
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	29	46	79	88	31	50	90	100	34	55	101	112	37	59	112	125
		L (Deflection)	25	30	38	45	31	38	48	56	34	48	58	68	37	58	70	82
		L (Deflection)	25	30	38	45	31	38	48	56	34	48	58	68	37	58	70	82

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

	8' - 2"	9' - 5"	10' - 4"	11' - 1"	8' - 0"	9' - 3"	10' - 2"	10' - 11"	7' - 11"	9' - 2"	10' - 0"	10' - 9"	7' - 9"	9' - 0"	9' - 10"	10' - 7"	
1span	8' - 2"	9' - 5"	10' - 4"	11' - 1"	8' - 0"	9' - 3"	10' - 2"	10' - 11"	7' - 11"	9' - 2"	10' - 0"	10' - 9"	7' - 9"	9' - 0"	9' - 10"	10' - 7"	
2span	8' - 3"	9' - 6"	11' - 4"	12' - 8"	8' - 1"	9' - 3"	11' - 2"	12' - 6"	7' - 11"	9' - 1"	11' - 0"	12' - 3"	7' - 9"	9' - 0"	10' - 9"	12' - 1"	
3span	8' - 6"	9' - 9"	11' - 8"	13' - 1"	8' - 4"	9' - 7"	11' - 6"	12' - 11"	8' - 2"	9' - 5"	11' - 4"	12' - 8"	8' - 0"	9' - 3"	11' - 2"	12' - 6"	
cantilever	3' - 0"	3' - 6"	4' - 4"	5' - 1"	3' - 0"	3' - 6"	4' - 4"	5' - 0"	2' - 11"	3' - 5"	4' - 3"	5' - 0"	2' - 11"	3' - 5"	4' - 2"	4' - 11"	
cy/100sf		1.43				1.50				1.58				1.66			

8' - 0"	α _D D+α _L L (Strength)	371
	D+L (Deflection)	371
	L (Deflection)	371

- ← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
- ← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
- ← Max. superimposed LSD 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)
- fc** 3000 psi
- α_D, α_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, pif
- Rbi** Allowable interior web crippling value per foot of deck, pif
- h** Total height of concrete slab, in
- Wc** Weight of concrete (neglecting deflection), psf
- D** Uniform dead load, psf
- L** Uniform live load, psf

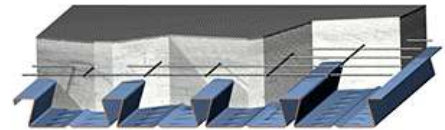
Construction spans shown based on 2" exterior bearing and 4" interior bearing width.
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design of Composite Slabs (CSSBI S3-2002), September 2003. The loads in these tables are based on a Simple Span Design Analysis.

115 PCF CONCRETE

SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I _b	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.25	0.417	0.304	0.301	976	1124	1248	1848	1993	2124
20	2.72	0.505	0.386	0.371	1390	1593	1765	2623	2822	3002
18	3.60	0.667	0.510	0.496	2315	2637	2909	4355	4668	4952
16	4.53	0.838	0.640	0.624	3530	3999	4395	6624	7079	7490



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (psf), NO STUDS ON BEAMS

Span	h (Wc)	Load Combinations	6" (53.91)				6.25" (56.3)				6.5" (58.7)				6.75" (61.09)			
			GAGE															
			22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
8' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	494	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
		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"	α _D D+α _L L (Strength)	D+L (Deflection)	385	495	500	500	407	500	500	500	430	500	500	500	452	500	500	500
		L (Deflection)	385	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	385	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	307	400	500	500	325	424	500	500	343	447	500	500	361	471	500	500
		L (Deflection)	307	400	400	400	325	400	400	400	343	400	400	400	361	400	400	400
		L (Deflection)	307	400	400	400	325	400	400	400	343	400	400	400	361	400	400	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	249	330	500	500	263	349	500	500	278	368	500	500	293	388	500	500
		L (Deflection)	249	330	400	400	263	349	400	400	278	368	400	400	293	388	400	400
		L (Deflection)	249	330	400	400	263	349	400	400	278	368	400	400	293	388	400	400
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	204	275	419	500	216	292	444	500	228	308	469	500	241	324	494	500
		L (Deflection)	204	275	400	400	216	292	400	400	228	308	400	400	241	324	400	400
		L (Deflection)	204	275	400	400	216	292	400	400	228	308	400	400	241	324	400	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	169	228	350	451	180	242	371	489	190	255	392	500	200	269	413	500
		L (Deflection)	169	228	350	400	180	242	371	400	190	255	392	400	200	269	400	400
		L (Deflection)	169	228	342	376	180	242	371	400	190	255	392	400	200	269	400	400
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	142	190	296	377	150	202	313	409	159	213	331	443	168	225	349	477
		L (Deflection)	142	190	296	377	150	202	313	400	159	213	331	400	168	225	349	400
		L (Deflection)	142	190	274	301	150	202	307	336	159	213	331	374	168	225	349	400
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	119	160	252	316	126	170	267	344	125	180	282	373	132	190	298	403
		L (Deflection)	119	160	252	309	126	170	267	344	125	180	282	373	132	190	298	400
		L (Deflection)	119	160	223	245	126	170	249	274	125	180	277	304	132	190	298	337
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	92	135	216	267	97	144	229	291	103	152	242	316	109	161	256	342
		L (Deflection)	92	135	216	244	97	144	229	277	103	152	242	313	109	161	256	342
		L (Deflection)	92	135	184	202	97	144	205	225	103	152	229	251	109	161	253	278
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	75	115	186	226	80	122	198	247	85	129	209	268	90	128	221	291
		L (Deflection)	75	115	172	194	80	122	197	221	85	129	209	250	90	128	221	282
		L (Deflection)	75	115	153	168	80	122	171	188	85	129	191	209	90	128	211	232
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	62	90	161	192	66	96	171	210	70	102	181	229	74	108	191	248
		L (Deflection)	62	90	136	154	66	96	156	177	70	102	178	201	74	108	191	227
		L (Deflection)	62	90	129	142	66	96	144	158	70	102	161	176	74	108	178	195
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	50	76	140	163	53	81	149	179	57	86	158	195	61	91	167	212
		L (Deflection)	50	76	107	122	53	81	124	141	57	86	142	161	61	91	162	183
		L (Deflection)	50	76	107	120	53	81	123	135	57	86	136	150	61	91	151	166
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	40	63	122	138	43	67	130	152	46	72	138	166	49	76	145	182
		L (Deflection)	40	63	83	96	43	67	98	112	46	72	113	129	49	76	130	148
		L (Deflection)	40	63	83	96	43	67	98	112	46	72	113	128	49	76	130	142

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

	7' - 8"	8' - 10"	9' - 8"	10' - 5"	7' - 6"	8' - 9"	9' - 7"	10' - 3"	7' - 5"	8' - 7"	9' - 5"	10' - 2"	7' - 4"	8' - 6"	9' - 4"	10' - 0"
1span	7' - 8"	8' - 10"	9' - 8"	10' - 5"	7' - 6"	8' - 9"	9' - 7"	10' - 3"	7' - 5"	8' - 7"	9' - 5"	10' - 2"	7' - 4"	8' - 6"	9' - 4"	10' - 0"
2span	7' - 8"	8' - 10"	10' - 7"	11' - 11"	7' - 6"	8' - 8"	10' - 5"	11' - 9"	7' - 4"	8' - 6"	10' - 3"	11' - 7"	7' - 3"	8' - 5"	10' - 2"	11' - 5"
3span	7' - 11"	9' - 1"	11' - 0"	12' - 4"	7' - 9"	9' - 0"	10' - 10"	12' - 1"	7' - 8"	8' - 10"	10' - 8"	11' - 11"	7' - 6"	8' - 8"	10' - 6"	11' - 10"
cantilever	2' - 11"	3' - 4"	4' - 2"	4' - 10"	2' - 10"	3' - 4"	4' - 1"	4' - 9"	2' - 10"	3' - 4"	4' - 0"	4' - 9"	2' - 10"	3' - 3"	4' - 0"	4' - 8"
cy/100sf	1.74				1.81				1.89				1.97			

8' - 0"	α _D D+α _L L (Strength)	494	← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	400	← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	400	← Max. superimposed LSD 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)
- fc** 3000 psi
- α_D, α_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, pf
- Rbi** Allowable interior web crippling value per foot of deck, pf
- 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 2" exterior bearing and 4" interior bearing width.
 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 Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design of Composite Slabs (CSSBI S3-2002), September 2003. The loads in these tables are based on a Simple Span Design Analysis.

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