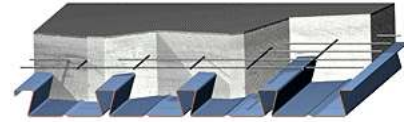


SECTION PROPERTIES

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"	0 _D D+α _L L (Strength)	D+L (Deflection)	330	426	459	495	343	460	496	500	355	494	500	500	364	500	500	500
		L (Deflection)	330	400	400	400	343	400	400	400	355	400	400	400	364	400	400	400
		L (Deflection)	330	400	400	400	343	400	400	400	355	400	400	400	364	400	400	400
9' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	334	307	408	440	361	320	441	475	388	331	474	500	415	340	500	500
		L (Deflection)	334	307	400	400	361	320	400	400	388	331	400	400	400	340	400	400
		L (Deflection)	283	306	343	379	334	320	400	400	388	331	400	400	400	340	400	400
10' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	297	209	327	396	321	212	343	428	346	362	356	460	370	388	368	492
		L (Deflection)	273	209	327	396	321	212	343	400	346	362	356	400	370	388	368	400
		L (Deflection)	207	209	250	276	244	212	295	324	285	307	344	378	330	356	368	400
11' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	239	257	234	333	268	288	318	349	300	322	354	364	333	349	379	377
		L (Deflection)	196	214	234	311	235	256	291	349	279	304	344	364	328	349	379	377
		L (Deflection)	155	168	188	207	183	197	221	244	214	231	258	284	248	267	299	329
12' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	191	206	229	247	216	232	257	278	242	260	287	310	269	289	319	344
		L (Deflection)	142	156	179	200	172	188	215	240	205	224	255	284	242	264	300	333
		L (Deflection)	120	129	145	160	141	152	170	188	165	178	199	219	191	206	230	253
13' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	155	167	186	202	175	189	209	227	196	212	235	254	219	236	262	283
		L (Deflection)	104	115	133	149	127	140	160	180	153	167	191	214	181	198	226	252
		L (Deflection)	94	102	114	126	111	120	134	148	130	140	156	172	150	162	181	199
14' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	125	136	152	166	142	154	172	187	160	173	193	209	179	194	216	234
		L (Deflection)	76	84	98	112	94	104	120	136	114	126	145	163	136	150	172	193
		L (Deflection)	75	81	91	101	89	96	107	118	104	112	125	138	120	130	145	160
15' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	102	111	125	136	116	126	141	154	131	143	160	174	147	160	179	194
		L (Deflection)	55	62	73	83	69	77	90	102	85	94	110	124	102	113	131	148
		L (Deflection)	55	62	73	82	69	77	87	96	84	91	102	112	98	105	118	130
16' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	82	90	102	112	94	103	117	128	107	117	132	144	121	132	149	162
		L (Deflection)	39	44	53	62	50	56	67	77	62	70	83	94	77	86	100	114
		L (Deflection)	39	44	53	62	50	56	67	77	62	70	83	92	77	86	97	107
17' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	66	73	84	92	77	85	96	106	88	96	109	120	95	109	123	135
		L (Deflection)	26	31	38	45	35	40	49	57	45	51	62	71	57	64	76	87
		L (Deflection)	26	31	38	45	35	40	49	57	45	51	62	71	57	64	76	87
18' - 0"	0 _D D+α _L L (Strength)	D+L (Deflection)	60	59	68	76	66	69	79	87	72	79	90	100	78	90	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"	0 _D D+α _L L (Strength)	D+L (Deflection)	48	47	55	62	53	55	64	72	58	64	74	82	64	73	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"	0 _D D+α _L L (Strength)	D+L (Deflection)	39	37	44	50	43	44	52	58	47	66	60	68	52	73	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"	11' - 11"	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)	330	← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	330	← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	330	← 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

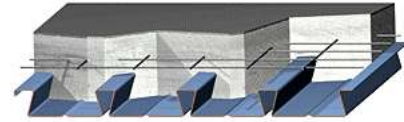
Construction spans shown based on 2" exterior bearing and 4" interior bearing width.
 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard 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	500	500	500	500	500	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)	442	346	500	500	469	351	500	500	496	352	500	500	500	352	500	500
		L (Deflection)	400	346	400	400	400	351	400	400	400	352	400	400	400	352	400	400
		L (Deflection)	400	346	400	400	400	351	400	400	400	352	400	400	400	352	400	400
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	394	413	377	500	418	439	385	500	442	464	390	500	467	490	500	500
		L (Deflection)	394	400	377	400	400	400	385	400	400	400	390	400	400	400	400	400
		L (Deflection)	380	400	377	400	400	400	385	400	400	400	390	400	400	400	400	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	355	372	404	388	377	395	429	465	399	418	454	493	420	441	479	500
		L (Deflection)	355	372	400	388	377	395	400	400	399	400	400	400	400	400	400	400
		L (Deflection)	285	307	344	378	326	351	393	400	371	399	400	400	400	400	400	400
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	298	320	353	381	328	353	389	419	359	380	413	448	382	401	436	473
		L (Deflection)	283	308	349	381	328	353	389	400	359	380	400	400	382	400	400	400
		L (Deflection)	220	237	265	291	251	271	302	332	286	307	343	377	323	347	388	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	243	262	290	313	268	289	320	345	294	317	351	379	322	347	384	414
		L (Deflection)	213	232	264	294	248	270	306	341	286	311	351	379	322	347	384	400
		L (Deflection)	173	186	208	229	198	213	238	261	225	242	270	297	254	273	305	335
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	199	216	240	260	221	239	265	287	243	262	291	315	266	287	319	345
		L (Deflection)	161	177	202	226	188	206	235	263	218	238	272	303	251	274	311	345
		L (Deflection)	138	149	167	183	158	170	190	209	180	194	216	238	203	219	244	268
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	164	178	199	216	182	198	221	240	201	218	243	264	221	239	267	290
		L (Deflection)	122	135	155	175	144	158	182	204	168	184	211	236	194	212	243	271
		L (Deflection)	113	121	136	149	129	139	155	170	146	157	176	193	165	178	198	218
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	136	148	166	181	151	165	184	201	143	162	184	202	152	168	189	214
		L (Deflection)	93	103	120	135	110	122	141	159	129	143	164	185	151	165	190	213
		L (Deflection)	93	100	112	123	106	114	128	140	121	130	145	159	136	146	164	180
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	103	123	138	152	110	137	154	169	118	152	171	187	126	168	189	206
		L (Deflection)	69	78	92	105	84	93	109	124	99	110	128	145	117	129	149	168
		L (Deflection)	69	78	92	102	84	93	106	117	99	108	121	133	114	122	136	150
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	84	101	115	127	91	114	129	142	97	127	144	158	104	140	159	174
		L (Deflection)	51	58	70	80	63	71	84	96	76	85	100	114	90	100	117	133
		L (Deflection)	51	58	70	80	63	71	84	96	76	85	100	112	90	100	115	126
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	69	84	96	106	74	102	108	119	80	109	121	133	85	116	134	147
		L (Deflection)	36	42	52	61	46	53	64	74	57	64	77	89	68	77	91	105
		L (Deflection)	36	42	52	61	46	53	64	74	57	64	77	89	68	77	91	105
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	56	79	79	88	60	85	90	100	65	91	101	112	69	97	112	125
		L (Deflection)	25	30	38	45	32	38	48	56	41	48	58	68	51	58	70	82
		L (Deflection)	25	30	38	45	32	38	48	56	41	48	58	68	51	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' - 10"	11' - 8"	13' - 1"	8' - 4"	9' - 7"	11' - 6"	12' - 11"	8' - 2"	9' - 5"	11' - 4"	12' - 8"	8' - 1"	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	← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	371	← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	371	← 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)
- f_c 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, psf
- Rbi Allowable interior web crippling value per foot of deck, psf
- h Total height of concrete slab, in
- Wc Weight of concrete (neglecting deflection), psf
- D Uniform dead load, psf
- L Uniform live load, psf

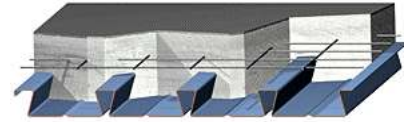
Construction spans shown based on 2" exterior bearing and 4" interior bearing width.
 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard 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)	500	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)	500	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
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	491	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
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	442	464	500	500	464	487	500	500	486	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
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	402	422	459	498	422	443	482	500	441	464	500	500	461	485	500	500
		L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	363	390	400	400	400	400	400	400	400	400	400	400	400	400	400	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	350	378	418	451	380	405	441	479	404	424	462	500	422	443	483	500
		L (Deflection)	350	378	400	400	380	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	286	307	342	376	319	343	383	400	356	382	400	400	395	400	400	400
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	290	313	348	377	315	340	378	409	339	368	409	443	356	397	441	477
		L (Deflection)	287	312	348	377	315	340	378	400	339	368	400	400	356	397	400	400
		L (Deflection)	229	246	274	301	256	275	307	336	285	306	341	374	316	339	378	400
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	241	262	291	316	263	285	317	344	217	308	344	373	229	333	371	403
		L (Deflection)	223	243	277	309	253	276	314	344	217	308	344	373	229	333	371	400
		L (Deflection)	186	200	223	245	208	223	249	274	217	249	277	304	229	276	308	337
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	161	219	245	267	171	239	267	291	180	259	290	316	190	281	314	342
		L (Deflection)	161	190	218	244	171	217	248	277	180	246	280	313	190	277	314	342
		L (Deflection)	153	165	184	202	171	184	205	225	180	205	229	251	190	227	253	278
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	134	184	207	226	141	201	226	247	149	219	246	268	157	206	267	291
		L (Deflection)	134	149	172	194	141	171	197	221	149	195	223	250	157	206	252	282
		L (Deflection)	128	137	153	168	141	154	171	188	149	171	191	209	157	190	211	232
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	110	147	175	192	117	156	192	210	123	165	209	229	130	173	227	248
		L (Deflection)	105	117	136	154	117	135	156	177	123	155	178	201	130	173	202	227
		L (Deflection)	105	116	129	142	117	129	144	158	123	144	161	176	130	160	178	195
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	91	124	148	163	96	131	162	179	101	138	177	195	107	146	193	212
		L (Deflection)	81	91	107	122	95	106	124	141	101	122	142	161	107	140	162	183
		L (Deflection)	81	91	107	120	95	106	123	135	101	122	136	150	107	136	151	166
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	74	104	125	138	78	110	137	152	83	116	151	166	87	122	165	182
		L (Deflection)	61	70	83	96	73	82	98	112	83	96	113	129	87	111	130	148
		L (Deflection)	61	70	83	96	73	82	98	112	83	96	113	128	87	111	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' - 5"	8' - 6"	10' - 3"	11' - 7"	7' - 3"	8' - 5"	10' - 2"	11' - 5"
3span	7' - 11"	9' - 1"	11' - 0"	12' - 3"	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)	500	← 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)
- f_c** 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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