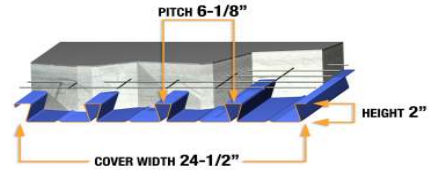


SECTION PROPERTIES

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	968	1115	1238	1832	1975	2105
20	2.71	0.495	0.361	0.347	1378	1580	1750	2600	2797	2976
18	3.58	0.658	0.483	0.484	2296	2615	2884	4317	4628	4908
16	4.51	0.832	0.614	0.617	3500	3965	4357	6566	7017	7424



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

Span	h (Wc)	Load Combinations	4" (35.2)				4.25" (37.6)				4.5" (40)				4.75" (42.39)			
			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)	319	429	463	499	330	456	500	500	338	477	500	500	345	495	500	500
		L (Deflection)	319	400	400	400	330	400	400	400	338	400	400	400	345	400	400	400
		L (Deflection)	319	400	400	400	330	400	400	400	338	400	400	400	345	400	400	400
9' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	336	294	411	443	363	304	444	479	390	311	477	500	417	317	500	500
		L (Deflection)	336	294	400	400	363	304	400	400	390	311	400	400	400	317	400	400
		L (Deflection)	287	294	348	383	338	304	400	400	390	311	400	400	400	317	400	400
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	299	314	317	399	323	339	330	431	348	364	341	463	372	390	350	495
		L (Deflection)	276	301	317	399	323	339	330	400	348	364	341	400	372	390	350	400
		L (Deflection)	209	226	253	279	246	266	298	328	288	310	341	382	334	360	350	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	240	259	223	326	270	290	320	341	302	324	356	354	335	351	381	364
		L (Deflection)	198	216	223	315	238	259	295	341	282	307	348	354	331	351	381	364
		L (Deflection)	157	170	190	210	185	200	224	247	216	233	261	287	251	270	302	332
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	193	208	230	249	217	234	259	280	243	262	289	312	270	291	321	347
		L (Deflection)	144	158	181	203	174	190	217	243	208	227	258	287	245	267	303	337
		L (Deflection)	121	131	147	162	143	154	172	190	167	180	201	221	193	208	233	256
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	156	168	187	203	176	190	211	229	197	213	236	256	220	238	263	285
		L (Deflection)	105	116	134	151	128	141	162	182	154	169	194	217	183	200	229	255
		L (Deflection)	95	103	115	127	112	121	136	149	131	141	158	174	152	164	183	201
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	126	137	153	167	143	155	173	188	161	175	194	211	180	195	217	235
		L (Deflection)	77	85	100	113	95	105	122	137	115	127	146	164	138	151	174	195
		L (Deflection)	76	82	92	102	90	97	109	120	105	113	127	139	122	131	147	161
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	102	112	126	137	117	127	142	155	132	143	161	175	148	161	180	196
		L (Deflection)	55	62	74	84	70	78	91	104	86	95	111	125	104	115	133	150
		L (Deflection)	55	62	74	83	70	78	88	97	85	92	103	113	99	107	119	131
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	83	91	103	113	95	104	117	129	108	118	133	145	122	133	149	163
		L (Deflection)	39	45	54	63	50	57	68	78	63	71	84	95	77	86	101	115
		L (Deflection)	39	45	54	63	50	57	68	78	63	71	84	93	77	86	98	108
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	67	74	84	93	77	85	97	106	88	97	110	121	95	110	124	136
		L (Deflection)	26	31	39	46	35	41	50	58	46	52	62	72	57	65	77	88
		L (Deflection)	26	31	39	46	35	41	50	58	46	52	62	72	57	65	77	88
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	60	59	69	76	66	69	79	88	72	79	91	100	78	90	103	113
		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"	α _D D+α _L L (Strength)	D+L (Deflection)	49	47	55	62	54	55	65	72	59	64	74	83	64	87	85	94
		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"	α _D D+α _L L (Strength)	D+L (Deflection)	39	50	44	50	43	58	52	59	47	66	61	68	51	73	70	78
		L (Deflection)	2	4	9	13	6	9	15	19	12	15	22	27	18	22	29	36
		L (Deflection)	2	4	9	13	6	9	15	19	12	15	22	27	18	22	29	36

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

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

8' - 0"	α _D D+α _L L (Strength)	319	← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	319	← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	319	← 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, 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

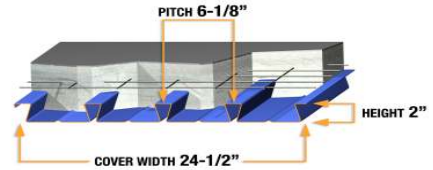
Construction spans shown based on 2" exterior bearing and 4" interior bearing width.
 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard 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	2.23	0.407	0.288	0.281	968	1115	1238	1832	1975	2105
20	2.71	0.495	0.361	0.347	1378	1580	1750	2600	2797	2976
18	3.58	0.658	0.483	0.484	2296	2615	2884	4317	4628	4908
16	4.51	0.832	0.614	0.617	3500	3965	4357	6566	7017	7424



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

Span	h (Wc)	Load Combinations	5" (44.79)				5.25" (47.18)				5.5" (49.58)				5.75" (51.97)			
			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)	444	320	500	500	471	494	500	500	498	500	500	500	500	500	500	500
		L (Deflection)	400	320	400	400	400	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	400	320	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)	396	415	357	500	420	441	361	500	444	466	500	500	468	492	500	500
		L (Deflection)	396	400	357	400	400	400	361	400	400	400	400	400	400	400	400	400
		L (Deflection)	384	400	357	400	400	400	361	400	400	400	400	400	400	400	400	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	357	374	406	373	378	397	431	467	400	420	456	495	422	443	481	500
		L (Deflection)	357	374	400	373	378	397	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	288	311	347	373	330	355	396	400	375	400	400	400	400	400	400	400
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	299	322	355	383	330	355	391	422	361	382	415	450	383	402	438	475
		L (Deflection)	286	311	353	383	330	355	391	400	361	382	400	400	383	400	400	400
		L (Deflection)	222	239	267	294	254	273	305	335	288	310	347	381	326	350	391	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	244	263	292	315	269	291	322	347	296	319	353	381	323	349	386	417
		L (Deflection)	215	235	267	297	250	272	309	344	288	314	353	381	323	349	386	400
		L (Deflection)	175	188	210	231	200	215	240	264	227	244	273	299	256	276	308	338
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	200	217	241	261	222	240	266	288	244	264	293	317	267	289	321	347
		L (Deflection)	163	178	204	228	190	208	238	265	221	241	274	305	254	276	314	347
		L (Deflection)	140	151	168	185	160	172	192	211	182	195	218	240	205	221	246	270
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	165	179	200	218	183	199	222	241	202	219	244	265	222	241	268	291
		L (Deflection)	124	136	157	176	146	160	184	206	170	186	213	238	196	214	245	273
		L (Deflection)	114	122	137	151	130	140	156	172	148	159	177	195	167	179	200	220
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	125	149	167	182	134	165	185	202	143	183	205	223	152	201	225	245
		L (Deflection)	94	104	121	137	111	123	142	161	131	144	166	187	152	167	192	215
		L (Deflection)	94	101	113	124	107	115	129	142	122	131	146	161	137	148	165	181
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	103	123	139	152	110	138	155	170	118	153	172	188	126	168	190	207
		L (Deflection)	70	79	93	106	84	94	110	125	100	111	130	147	118	130	151	170
		L (Deflection)	70	79	93	103	84	94	107	118	100	109	122	134	115	123	138	151
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	84	102	116	128	91	114	130	143	97	130	144	158	104	138	160	175
		L (Deflection)	52	59	70	81	63	71	85	97	76	86	101	115	91	101	118	134
		L (Deflection)	52	59	70	81	63	71	85	97	76	86	101	113	91	101	116	127
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	69	94	96	107	74	102	108	120	79	109	121	134	85	116	134	148
		L (Deflection)	37	43	53	62	46	53	65	75	57	65	78	90	69	78	92	106
		L (Deflection)	37	43	53	62	46	53	65	75	57	65	78	90	69	78	92	106
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	56	79	80	89	60	85	90	100	64	91	101	112	69	97	113	125
		L (Deflection)	25	30	38	46	33	39	48	57	42	48	59	69	51	59	71	83
		L (Deflection)	25	30	38	46	33	39	48	57	42	48	59	69	51	59	71	83

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

	7' - 10"	9' - 1"	10' - 3"	11' - 0"	7' - 9"	8' - 11"	10' - 0"	10' - 10"	7' - 7"	8' - 9"	9' - 11"	10' - 8"	7' - 6"	8' - 7"	9' - 9"	10' - 6"
1span	7' - 10"	9' - 1"	10' - 3"	11' - 0"	7' - 9"	8' - 11"	10' - 0"	10' - 10"	7' - 7"	8' - 9"	9' - 11"	10' - 8"	7' - 6"	8' - 7"	9' - 9"	10' - 6"
2span	7' - 11"	9' - 2"	11' - 2"	12' - 6"	7' - 10"	9' - 0"	11' - 0"	12' - 4"	7' - 8"	8' - 10"	10' - 10"	12' - 2"	7' - 6"	8' - 8"	10' - 8"	12' - 0"
3span	8' - 3"	9' - 6"	11' - 6"	13' - 0"	8' - 1"	9' - 4"	11' - 4"	12' - 9"	7' - 11"	9' - 2"	11' - 2"	12' - 6"	7' - 9"	9' - 0"	11' - 0"	12' - 4"
cantilever	2' - 10"	3' - 4"	4' - 3"	5' - 1"	2' - 10"	3' - 4"	4' - 3"	5' - 0"	2' - 10"	3' - 3"	4' - 2"	4' - 11"	2' - 9"	3' - 3"	4' - 1"	4' - 10"
cy/100sf	1.44				1.52				1.60				1.67			

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)
- 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

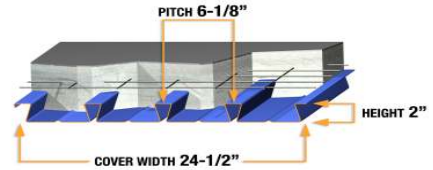
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 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (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	2.23	0.407	0.288	0.281	968	1115	1238	1832	1975	2105
20	2.71	0.495	0.361	0.347	1378	1580	1750	2600	2797	2976
18	3.58	0.658	0.483	0.484	2296	2615	2884	4317	4628	4908
16	4.51	0.832	0.614	0.617	3500	3965	4357	6566	7017	7424



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

Span	h (Wc)	Load Combinations	6" (54.37)				6.25" (56.77)				6.5" (59.16)				6.75" (61.56)			
			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)	493	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)	444	466	500	500	466	489	500	500	487	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)	403	423	460	500	423	444	483	500	443	465	500	500	463	486	500	500
		L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	366	394	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)	352	379	420	453	381	407	442	481	404	426	463	500	423	445	484	500
		L (Deflection)	352	379	400	400	381	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	288	310	345	379	322	346	386	400	359	385	400	400	398	400	400	400
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	291	315	349	378	316	342	379	411	338	370	411	445	355	399	443	479
		L (Deflection)	289	315	349	378	316	342	379	400	338	370	400	400	355	399	400	400
		L (Deflection)	231	248	277	304	258	277	309	339	287	309	344	377	319	342	381	400
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	195	263	293	318	206	286	318	346	217	310	345	374	228	334	372	404
		L (Deflection)	195	245	279	311	206	279	316	346	217	310	345	374	228	334	372	400
		L (Deflection)	188	202	225	247	206	225	251	276	217	251	280	307	228	278	310	340
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	161	220	246	268	170	240	268	292	180	260	291	317	189	282	315	343
		L (Deflection)	161	192	220	246	170	219	250	280	180	248	283	315	189	280	315	343
		L (Deflection)	155	166	185	203	170	186	207	227	180	207	230	253	189	229	255	280
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	133	185	208	227	141	185	227	248	149	195	247	269	156	205	267	292
		L (Deflection)	133	151	174	195	141	173	198	223	149	195	225	252	156	205	254	284
		L (Deflection)	129	138	154	170	141	155	173	189	149	172	192	211	156	191	213	234
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	110	147	176	193	116	155	192	211	123	164	210	230	129	173	228	249
		L (Deflection)	106	118	137	155	116	136	158	178	123	156	180	203	129	173	204	229
		L (Deflection)	106	117	130	143	116	130	145	160	123	145	162	178	129	161	179	197
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	90	123	148	163	95	131	163	179	101	138	178	196	106	145	194	213
		L (Deflection)	82	92	108	123	95	107	125	142	101	123	144	163	106	141	163	185
		L (Deflection)	82	92	108	121	95	107	124	136	101	123	138	151	106	137	152	167
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	73	103	125	138	77	109	138	152	82	115	151	167	86	122	165	182
		L (Deflection)	62	70	84	97	74	83	99	113	82	97	114	130	86	112	131	149
		L (Deflection)	62	70	84	97	74	83	99	113	82	97	114	129	86	112	131	143

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

	7' - 4"	8' - 6"	9' - 7"	10' - 4"	7' - 3"	8' - 4"	9' - 6"	10' - 3"	7' - 2"	8' - 3"	9' - 4"	10' - 1"	7' - 0"	8' - 1"	9' - 3"	10' - 0"
1span	7' - 4"	8' - 6"	9' - 7"	10' - 4"	7' - 3"	8' - 4"	9' - 6"	10' - 3"	7' - 2"	8' - 3"	9' - 4"	10' - 1"	7' - 0"	8' - 1"	9' - 3"	10' - 0"
2span	7' - 5"	8' - 6"	10' - 6"	11' - 9"	7' - 3"	8' - 5"	10' - 3"	11' - 7"	7' - 2"	8' - 3"	10' - 2"	11' - 6"	7' - 0"	8' - 1"	10' - 0"	11' - 4"
3span	7' - 8"	8' - 10"	10' - 10"	12' - 3"	7' - 6"	8' - 8"	10' - 8"	12' - 0"	7' - 5"	8' - 6"	10' - 6"	11' - 10"	7' - 3"	8' - 5"	10' - 4"	11' - 8"
cantilever	2' - 9"	3' - 2"	4' - 1"	4' - 9"	2' - 9"	3' - 2"	4' - 0"	4' - 9"	2' - 8"	3' - 2"	4' - 0"	4' - 8"	2' - 8"	3' - 1"	3' - 11"	4' - 7"
cy/100sf	1.75				1.83				1.91				1.98			

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)
- 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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