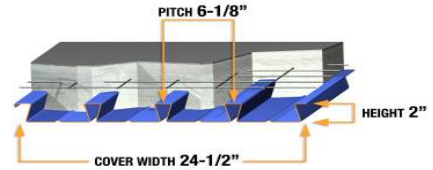


SECTION PROPERTIES

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" (44.39)				4.25" (47.41)				4.5" (50.43)				4.75" (53.45)			
			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)	377	392	400	400	408	405	500	500	438	416	500	500	468	423	500	500
		L (Deflection)	377	392	400	400	400	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	377	392	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)	325	246	408	449	358	376	424	485	385	404	437	500	412	432	448	500
		L (Deflection)	325	246	400	400	358	376	400	400	385	400	400	400	400	400	400	400
		L (Deflection)	325	246	400	400	358	376	400	400	385	400	400	400	400	400	400	400
10' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	250	270	275	404	281	304	279	425	314	340	379	439	350	378	419	451
		L (Deflection)	250	270	275	400	281	304	279	400	314	340	379	400	350	378	400	400
		L (Deflection)	250	270	275	342	281	304	279	400	314	340	379	400	350	378	400	400
11' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	194	211	236	287	219	238	266	290	246	267	298	325	274	297	332	362
		L (Deflection)	194	211	236	287	219	238	266	290	246	267	298	325	274	297	332	362
		L (Deflection)	194	209	234	257	219	238	266	290	246	267	298	325	274	297	332	362
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	151	165	186	204	171	187	211	231	193	211	237	259	216	236	265	289
		L (Deflection)	151	165	186	204	171	187	211	231	193	211	237	259	216	236	265	289
		L (Deflection)	150	161	180	198	171	187	211	231	193	211	237	259	216	236	265	289
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	118	130	148	163	135	148	168	185	152	167	190	208	171	188	212	233
		L (Deflection)	118	130	148	163	135	148	168	185	152	167	190	208	171	188	212	233
		L (Deflection)	118	127	142	156	135	148	167	183	152	167	190	208	171	188	212	233
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	92	102	117	130	105	117	134	148	120	133	152	168	136	150	171	189
		L (Deflection)	92	102	117	130	105	117	134	148	120	133	152	168	136	150	171	189
		L (Deflection)	92	102	113	125	105	117	133	147	120	133	152	168	136	150	171	189
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	70	79	92	103	82	92	106	119	94	105	121	135	126	119	137	153
		L (Deflection)	69	77	90	103	82	92	106	119	94	105	121	135	126	119	137	153
		L (Deflection)	69	77	90	101	82	92	106	119	94	105	121	135	123	119	137	153
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	53	61	72	82	79	71	84	94	91	82	96	108	102	94	110	123
		L (Deflection)	48	55	66	76	63	70	83	94	79	82	96	108	97	94	110	123
		L (Deflection)	48	55	66	76	63	70	83	94	79	82	96	108	97	94	110	123
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	55	45	55	64	63	54	65	74	73	63	76	86	83	73	87	99
		L (Deflection)	33	38	47	55	44	50	61	71	57	63	76	86	71	73	87	99
		L (Deflection)	33	38	47	55	44	50	61	71	57	63	76	86	71	73	87	99
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	43	33	41	48	50	40	49	58	58	66	58	68	67	75	68	78
		L (Deflection)	20	25	32	39	29	34	43	51	40	46	56	66	51	58	68	78
		L (Deflection)	20	25	32	39	29	34	43	51	40	46	56	66	51	58	68	78
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	32	38	29	36	39	45	36	43	46	52	44	52	52	60	52	61
		L (Deflection)	10	14	20	26	17	22	29	36	26	31	39	48	35	41	51	61
		L (Deflection)	10	14	20	26	17	22	29	36	26	31	39	48	35	41	51	61
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	24	28	19	25	29	34	25	31	35	41	31	38	39	48	38	46
		L (Deflection)	2	5	10	15	8	11	18	23	15	19	26	33	22	27	36	44
		L (Deflection)	2	5	10	15	8	11	18	23	15	19	26	33	22	27	36	44

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

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

8' - 0"	α _D D+α _L L (Strength)	377	← Max. superimposed LSD factored dead + live load (psf) (governed by strength limitation)
	D+L (Deflection)	377	← Max. superimposed LSD unfactored dead + live load (psf) (governed by deflection limitation of L/240)
	L (Deflection)	377	← Max. superimposed LSD unfactored live load (psf) (governed by deflection limitation of L/360)

- 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

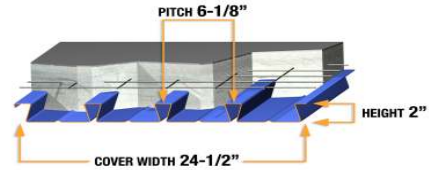
Construction spans shown based on 2" exterior bearing and 4" interior bearing width.
 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard 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.

145 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" (56.47)				5.25" (59.49)				5.5" (62.51)				5.75" (65.53)			
			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)	499	427	500	500	500	429	500	500	500	426	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)	438	460	455	500	465	488	459	500	491	500	461	500	500	500	458	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)	386	410	446	460	414	435	474	466	437	460	500	500	461	485	500	500
		L (Deflection)	386	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	386	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)	303	329	368	400	335	363	405	441	367	398	444	484	401	435	475	500
		L (Deflection)	303	329	368	400	335	363	400	400	367	398	400	400	400	400	400	400
		L (Deflection)	303	329	368	400	335	363	400	400	367	398	400	400	400	400	400	400
12' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	240	262	294	321	266	289	325	355	292	318	357	390	320	348	390	426
		L (Deflection)	240	262	294	321	266	289	325	355	292	318	357	390	320	348	390	400
		L (Deflection)	240	262	294	321	266	289	325	355	292	318	357	390	320	348	390	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	191	210	237	260	212	232	262	287	234	256	289	316	257	281	317	347
		L (Deflection)	191	210	237	260	212	232	262	287	234	256	289	316	257	281	317	347
		L (Deflection)	191	210	237	260	212	232	262	287	234	256	289	316	257	281	317	347
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	152	168	191	211	170	187	212	234	188	207	235	258	212	228	258	284
		L (Deflection)	152	168	191	211	170	187	212	234	188	207	235	258	212	228	258	284
		L (Deflection)	152	168	191	211	170	187	212	234	188	207	235	258	212	228	258	284
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	141	134	154	171	151	150	172	191	161	167	191	212	171	184	211	233
		L (Deflection)	141	134	154	171	151	150	172	191	161	167	191	212	171	184	211	233
		L (Deflection)	141	134	154	171	151	150	172	191	161	167	191	212	171	184	211	233
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	114	107	124	139	122	120	140	156	130	134	156	173	139	172	172	192
		L (Deflection)	114	107	124	139	122	120	140	156	130	134	156	173	139	172	172	192
		L (Deflection)	114	107	124	139	122	120	140	156	130	134	156	173	139	172	172	192
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	91	104	99	112	98	117	112	126	105	130	126	142	111	143	140	157
		L (Deflection)	88	97	99	112	98	117	112	126	105	130	126	142	111	143	140	157
		L (Deflection)	88	97	99	112	98	117	112	126	105	130	126	142	111	143	140	157
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	72	85	79	90	78	96	90	102	83	107	101	115	89	119	114	129
		L (Deflection)	65	73	79	90	78	89	90	102	83	106	101	115	89	119	114	129
		L (Deflection)	65	73	79	90	78	89	90	102	83	106	101	115	89	119	114	129
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	56	69	61	71	61	78	70	81	65	88	80	92	69	98	91	104
		L (Deflection)	46	53	61	71	58	66	70	81	65	81	80	92	69	97	91	104
		L (Deflection)	46	53	61	71	58	66	70	81	65	81	80	92	69	97	91	104
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	43	55	46	55	46	63	54	64	50	72	85	73	53	80	95	83
		L (Deflection)	31	37	46	55	41	48	54	64	50	60	73	73	53	73	87	83
		L (Deflection)	31	37	46	55	41	48	54	64	50	60	73	73	53	73	87	83

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

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

8' - 0"	α _D D+α _L L (Strength)	499	← 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

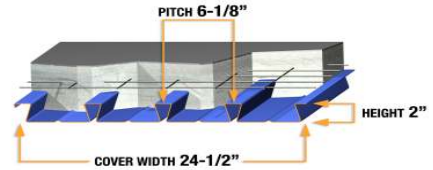
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 The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (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.

145 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" (68.55)				6.25" (71.58)				6.5" (74.6)				6.75" (77.62)			
			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)	485	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)	436	458	500	500	457	481	500	500	478	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)	348	379	425	464	378	412	461	500	409	445	499	500	441	477	500	500
		L (Deflection)	348	379	400	400	378	400	400	400	400	400	400	400	400	400	400	400
		L (Deflection)	348	379	400	400	378	400	400	400	400	400	400	400	400	400	400	400
13' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	281	307	346	379	305	333	376	411	331	361	407	446	323	390	439	481
		L (Deflection)	281	307	346	379	305	333	376	400	331	361	400	400	323	390	400	400
		L (Deflection)	281	307	346	379	305	333	376	400	331	361	400	400	323	390	400	400
14' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	224	249	283	311	237	272	308	338	249	295	334	367	262	319	361	397
		L (Deflection)	224	249	283	311	237	272	308	338	249	295	334	367	262	319	361	397
		L (Deflection)	224	249	283	311	237	272	308	338	249	295	334	367	262	319	361	397
15' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	182	203	232	256	192	222	253	279	202	241	275	304	212	278	298	329
		L (Deflection)	182	203	232	256	192	222	253	279	202	241	275	304	212	278	298	329
		L (Deflection)	182	203	232	256	192	222	253	279	202	241	275	304	212	278	298	329
16' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	147	189	190	211	155	206	208	231	163	218	227	252	172	229	247	274
		L (Deflection)	147	189	190	211	155	206	208	231	163	218	227	252	172	229	247	274
		L (Deflection)	147	189	190	211	155	206	208	231	163	218	227	252	172	229	247	274
17' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	118	157	155	174	125	171	171	191	132	180	187	209	138	189	204	228
		L (Deflection)	118	157	155	174	125	171	171	191	132	180	187	209	138	189	204	228
		L (Deflection)	118	157	155	174	125	171	171	191	132	180	187	209	138	189	204	228
18' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	94	131	126	143	99	141	140	158	105	148	154	173	110	156	168	189
		L (Deflection)	94	131	126	143	99	141	140	158	105	148	154	173	110	156	168	189
		L (Deflection)	94	131	126	143	99	141	140	158	105	148	154	173	110	156	168	189
19' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	74	109	102	117	78	115	139	129	82	121	152	143	86	127	166	157
		L (Deflection)	74	109	102	117	78	115	139	129	82	121	152	143	86	127	166	157
		L (Deflection)	74	109	102	117	78	115	139	129	82	121	152	143	86	127	166	157
20' - 0"	α _D D+α _L L (Strength)	D+L (Deflection)	56	88	106	94	60	93	117	105	63	98	128	117	100	103	140	129
		L (Deflection)	56	88	104	94	60	93	117	105	63	98	128	117	100	103	140	129
		L (Deflection)	56	88	104	94	60	93	117	105	63	98	128	117	100	103	140	129

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS

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

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