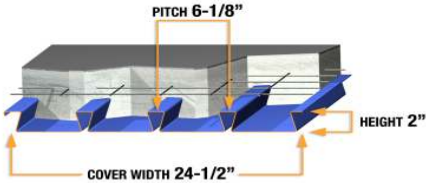
Metal Dek Group®
a unit of CSI®

VERSA-DEK® S FLOOR (LSD)

2" high x 6-1/8" pitch x 24-1/2" wide



SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I_D	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.22	0.409	0.289	0.268	968	1115	1238	1832	1975	2105
20	2.69	0.497	0.363	0.337	1378	1580	1750	2600	2797	2976
18	3.56	0.661	0.485	0.462	2296	2615	2884	4317	4628	4908
16	4.48	0.836	0.617	0.598	3500	3965	4357	6566	7017	7424

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

Span	Load Combinations	h (Wc) 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_DD+α_LL (Strength)	319	429	463	499	330	455	500	500	338	476	500	500	345	494	500	500
	D+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_DD+α_LL (Strength)	336	294	411	443	363	304	444	479	390	312	477	500	417	317	500	500
	D+L (Deflection)	336	294	400	400	363	304	400	400	390	312	400	400	400	317	400	400
	L (Deflection)	286	294	347	383	337	304	400	400	390	312	400	400	400	317	400	400
10' - 0"	α_DD+α_LL (Strength)	299	314	317	399	323	339	330	431	348	364	341	463	372	390	350	495
	D+L (Deflection)	276	300	317	399	323	339	330	400	348	364	341	400	372	390	350	400
	L (Deflection)	209	225	253	279	246	265	298	328	287	310	341	382	333	359	350	400
11' - 0"	α_DD+α_LL (Strength)	240	258	223	327	270	290	320	341	301	324	356	354	335	351	381	365
	D+L (Deflection)	198	216	223	315	237	259	294	341	282	306	347	354	331	351	381	365
	L (Deflection)	157	169	190	210	185	199	224	246	216	233	261	287	250	270	302	332
12' - 0"	α_DD+α_LL (Strength)	193	208	230	249	217	234	259	280	243	261	289	312	270	291	321	347
	D+L (Deflection)	144	158	181	203	174	190	217	242	207	226	258	287	244	266	302	336
	L (Deflection)	121	130	146	162	142	154	172	190	166	179	201	221	193	208	232	256
13' - 0"	α_DD+α_LL (Strength)	155	168	187	203	176	190	211	229	197	213	236	256	220	237	263	284
	D+L (Deflection)	105	116	134	151	128	141	162	182	154	169	193	216	183	200	228	255
	L (Deflection)	95	103	115	127	112	121	135	149	131	141	158	174	152	163	183	201
14' - 0"	α_DD+α_LL (Strength)	126	137	153	167	143	155	173	188	161	174	194	211	180	195	217	235
	D+L (Deflection)	77	85	100	113	95	105	121	137	115	127	146	164	137	151	173	194
	L (Deflection)	76	82	92	102	90	97	108	119	105	113	126	139	121	131	146	161
15' - 0"	α_DD+α_LL (Strength)	102	112	126	137	116	127	142	155	132	143	160	175	148	161	180	195
	D+L (Deflection)	55	62	74	84	69	78	91	104	85	95	111	125	103	114	132	149
	L (Deflection)	55	62	74	83	69	78	88	97	85	92	103	113	99	106	119	131
16' - 0"	α_DD+α_LL (Strength)	83	91	103	113	95	104	117	129	108	118	133	145	121	133	149	163
	D+L (Deflection)	39	45	54	62	50	57	68	78	63	71	83	95	77	86	101	115
	L (Deflection)	39	45	54	62	50	57	68	78	63	71	83	93	77	86	98	108
17' - 0"	α_DD+α_LL (Strength)	67	74	84	93	80	85	97	106	87	97	110	121	95	110	124	136
	D+L (Deflection)	26	31	38	45	35	41	50	58	45	52	62	72	57	64	77	88
	L (Deflection)	26	31	38	45	35	41	50	58	45	52	62	72	57	64	77	88
18' - 0"	α_DD+α_LL (Strength)	60	59	69	76	65	69	79	88	71	79	91	100	78	90	103	113
	D+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_DD+α_LL (Strength)	48	47	55	62	53	55	65	72	58	79	74	83	63	87	85	94
	D+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_DD+α_LL (Strength)	38	50	44	50	43	58	52	59	47	66	60	68	51	72	70	78
	D+L (Deflection)	2	4	9	13	6	9	15	19	12	15	21	27	18	22	29	36
	L (Deflection)	2	4	9	13	6	9	15	19	12	15	21	27	18	22	29	36
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS																	
1span		8' - 6"	9' - 10"	11' - 0"	11' - 10"	8' - 4"	9' - 8"	10' - 9"	11' - 7"	8' - 2"	9' - 5"	10' - 7"	11' - 5"	8' - 0"	9' - 3"	10' - 5"	11' - 2"
2span		8' - 6"	9' - 9"	11' - 9"	13' - 3"	8' - 4"	9' - 7"	11' - 6"	13' - 0"	8' - 1"	9' - 5"	11' - 4"	12' - 9"	8' - 0"	9' - 3"	11' - 1"	12' - 7"
3span		8' - 9"	10' - 2"	12' - 1"	13' - 8"	8' - 7"	9' - 11"	11' - 10"	13' - 6"	8' - 5"	9' - 9"	11' - 8"	13' - 2"	8' - 3"	9' - 6"	11' - 5"	13' - 0"
cantilever		2' - 11"	3' - 6"	4' - 5"	5' - 3"	2' - 10"	3' - 5"	4' - 4"	5' - 2"	2' - 10"	3' - 4"	4' - 3"	5' - 1"	2' - 9"	3' - 4"	4' - 2"	5' - 0"
cy/100sf		1.13				1.21				1.29				1.37			

8' - 0" ▲	α_DD+α_LL (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_D Moment of inertia for deflection per foot of deck width (in^4)/ft
Sp Section modulus for positive bending per foot of deck width, (in^3)/ft
Sn Section modulus for negative bending per foot of deck width, (in^3)/ft
f'c 3000 psi
α_D, α_L Load factors for dead and live loads, respectivly,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 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.

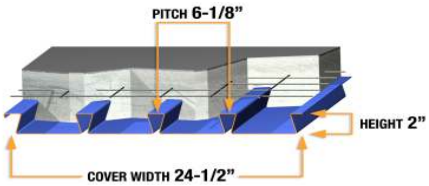
115 PCF CONCRETE

REV: 4/16/08

Metal Dek Group®
a unit of CSI®

VERSA-DEK® S FLOOR (LSD)

2" high x 6-1/8" pitch x 24-1/2" wide



SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I_D	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.22	0.409	0.289	0.268	968	1115	1238	1832	1975	2105
20	2.69	0.497	0.363	0.337	1378	1580	1750	2600	2797	2976
18	3.56	0.661	0.485	0.462	2296	2615	2884	4317	4628	4908
16	4.48	0.836	0.617	0.598	3500	3965	4357	6566	7017	7424

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

Span	Load Combinations	h (Wc) 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_DD+α_LL (Strength)	500	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	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
9' - 0"	α_DD+α_LL (Strength)	444	320	500	500	471	494	500	500	498	500	500	500	500	500	500	500
	D+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_DD+α_LL (Strength)	396	415	357	500	420	441	362	500	444	466	500	500	469	492	500	500
	D+L (Deflection)	396	400	357	400	400	400	362	400	400	400	400	400	400	400	400	400
	L (Deflection)	383	400	357	400	400	400	362	400	400	400	400	400	400	400	400	400
11' - 0"	α_DD+α_LL (Strength)	357	374	406	373	378	397	431	468	400	420	456	495	422	443	482	500
	D+L (Deflection)	357	374	400	373	378	397	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	288	310	347	373	329	354	396	400	374	400	400	400	400	400	400	400
12' - 0"	α_DD+α_LL (Strength)	299	322	355	383	329	354	391	421	361	382	415	450	383	403	438	475
	D+L (Deflection)	286	311	352	383	329	354	391	400	361	382	400	400	383	400	400	400
	L (Deflection)	222	239	267	293	253	273	305	335	288	310	346	380	325	350	390	400
13' - 0"	α_DD+α_LL (Strength)	244	263	291	315	269	290	321	347	295	318	353	381	323	348	385	416
	D+L (Deflection)	215	234	267	297	250	272	309	343	288	313	353	381	323	348	385	400
	L (Deflection)	174	188	210	231	199	215	240	263	226	244	272	299	256	275	307	337
14' - 0"	α_DD+α_LL (Strength)	200	217	241	261	221	239	266	288	243	263	293	317	267	288	320	347
	D+L (Deflection)	162	178	204	228	190	208	237	265	220	240	273	305	253	276	313	347
	L (Deflection)	140	150	168	185	160	172	192	211	181	195	218	239	205	220	246	270
15' - 0"	α_DD+α_LL (Strength)	165	179	200	217	183	199	222	241	202	219	244	265	183	240	268	291
	D+L (Deflection)	123	136	157	176	145	160	183	205	169	186	212	238	183	214	244	273
	L (Deflection)	114	122	137	150	130	140	156	171	147	159	177	195	167	179	200	219
16' - 0"	α_DD+α_LL (Strength)	124	148	167	182	133	165	185	202	142	182	205	223	151	201	225	245
	D+L (Deflection)	93	104	121	136	111	123	142	160	130	144	166	186	151	167	191	215
	L (Deflection)	93	101	113	124	107	115	129	141	121	131	146	160	137	148	165	181
17' - 0"	α_DD+α_LL (Strength)	102	123	139	152	110	137	155	170	117	152	172	188	125	168	189	207
	D+L (Deflection)	70	78	92	105	84	94	110	125	100	111	129	146	117	130	150	170
	L (Deflection)	70	78	92	103	84	94	107	118	100	109	122	134	114	123	137	151
18' - 0"	α_DD+α_LL (Strength)	84	102	116	127	90	120	130	142	96	129	144	158	103	137	159	175
	D+L (Deflection)	51	59	70	81	63	71	85	97	76	85	100	115	90	101	118	134
	L (Deflection)	51	59	70	81	63	71	85	97	76	85	100	113	90	101	116	127
19' - 0"	α_DD+α_LL (Strength)	68	94	96	107	74	101	108	120	79	108	121	133	84	115	134	148
	D+L (Deflection)	37	43	52	62	46	53	64	75	57	65	77	89	69	77	92	105
	L (Deflection)	37	43	52	62	46	53	64	75	57	65	77	89	69	77	92	105
20' - 0"	α_DD+α_LL (Strength)	55	78	79	89	60	84	90	100	64	90	101	112	68	96	113	125
	D+L (Deflection)	25	30	38	46	33	38	48	57	41	48	59	69	51	59	71	82
	L (Deflection)	25	30	38	46	33	38	48	57	41	48	59	69	51	59	71	82
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS																	
1span		7' - 11"	9' - 1"	10' - 3"	11' - 0"	7' - 9"	8' - 11"	10' - 1"	10' - 10"	7' - 7"	8' - 9"	9' - 11"	10' - 8"	7' - 6"	8' - 8"	9' - 9"	10' - 6"
2span		7' - 10"	9' - 0"	10' - 11"	12' - 4"	7' - 8"	8' - 10"	10' - 9"	12' - 2"	7' - 6"	8' - 9"	10' - 7"	11' - 11"	7' - 5"	8' - 7"	10' - 5"	11' - 9"
3span		8' - 1"	9' - 4"	11' - 3"	12' - 9"	7' - 11"	9' - 2"	11' - 1"	12' - 6"	7' - 9"	9' - 0"	10' - 11"	12' - 4"	7' - 8"	8' - 10"	10' - 9"	12' - 2"
cantilever		2' - 9"	3' - 3"	4' - 2"	5' - 0"	2' - 9"	3' - 3"	4' - 1"	4' - 11"	2' - 8"	3' - 2"	4' - 0"	4' - 10"	2' - 8"	3' - 2"	4' - 0"	4' - 9"
cy/100sf		1.44				1.52				1.60				1.67			

8' - 0"	α_DD+α_LL (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_D Moment of inertia for deflection per foot of deck width (in^4)/ft
Sp Section modulus for positive bending per foot of deck width, (in^3)/ft
Sn Section modulus for negative bending per foot of deck width, (in^3)/ft
f'c 3000 psi
α_D, α_L Load factors for dead and live loads, respectivly,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 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.

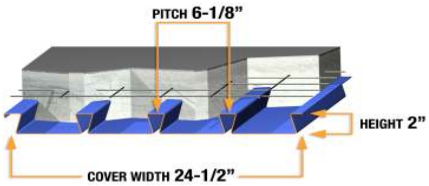
115 PCF CONCRETE

REV: 4/16/08

Metal Dek Group®
a unit of CSI®

VERSA-DEK® S FLOOR (LSD)

2" high x 6-1/8" pitch x 24-1/2" wide



SECTION PROPERTIES

fy=40 ksi

GAGE	Wd	I_D	Sp	Sn	Rbe			Rbi		
					2"	3"	4"	4"	5"	6"
22	2.22	0.409	0.289	0.268	968	1115	1238	1832	1975	2105
20	2.69	0.497	0.363	0.337	1378	1580	1750	2600	2797	2976
18	3.56	0.661	0.485	0.462	2296	2615	2884	4317	4628	4908
16	4.48	0.836	0.617	0.598	3500	3965	4357	6566	7017	7424

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

Span	Load Combinations	h (Wc) 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_DD+α_LL (Strength)	500	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	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
9' - 0"	α_DD+α_LL (Strength)	500	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	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
10' - 0"	α_DD+α_LL (Strength)	493	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	400
	L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
11' - 0"	α_DD+α_LL (Strength)	444	466	500	500	466	489	500	500	488	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
12' - 0"	α_DD+α_LL (Strength)	403	424	461	500	423	444	483	500	443	465	500	500	463	486	500	500
	D+L (Deflection)	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	366	393	400	400	400	400	400	400	400	400	400	400	400	400	400	400
13' - 0"	α_DD+α_LL (Strength)	351	379	419	453	381	407	443	481	402	426	464	500	422	445	485	500
	D+L (Deflection)	351	379	400	400	381	400	400	400	400	400	400	400	400	400	400	400
	L (Deflection)	288	309	345	378	322	346	385	400	358	385	400	400	397	400	400	400
14' - 0"	α_DD+α_LL (Strength)	291	314	349	378	315	341	379	410	336	369	410	444	274	398	442	479
	D+L (Deflection)	289	314	349	378	315	341	379	400	336	369	400	400	274	398	400	400
	L (Deflection)	230	247	276	303	258	277	308	339	287	308	343	377	274	341	380	400
15' - 0"	α_DD+α_LL (Strength)	194	262	292	317	205	285	318	345	216	309	344	374	227	334	372	404
	D+L (Deflection)	194	245	279	311	205	278	316	345	216	309	344	374	227	334	372	400
	L (Deflection)	187	201	224	246	205	225	251	275	216	250	279	306	227	278	309	339
16' - 0"	α_DD+α_LL (Strength)	160	220	246	268	169	239	268	292	178	260	291	317	188	281	314	342
	D+L (Deflection)	160	191	219	246	169	218	250	279	178	248	282	315	188	279	314	342
	L (Deflection)	154	166	185	203	169	185	207	227	178	206	230	252	188	229	255	280
17' - 0"	α_DD+α_LL (Strength)	132	174	208	227	140	184	227	247	147	194	246	269	155	204	267	291
	D+L (Deflection)	132	150	173	195	140	172	198	222	147	194	225	252	155	204	253	283
	L (Deflection)	129	138	154	169	140	155	172	189	147	172	192	210	155	191	212	233
18' - 0"	α_DD+α_LL (Strength)	109	146	175	192	115	154	192	210	122	163	209	229	128	171	227	249
	D+L (Deflection)	106	117	137	155	115	136	157	178	122	155	179	202	128	171	203	228
	L (Deflection)	106	116	130	143	115	130	145	159	122	145	161	177	128	161	179	196
19' - 0"	α_DD+α_LL (Strength)	89	122	148	163	95	130	163	179	100	137	178	196	105	144	193	213
	D+L (Deflection)	81	91	108	123	95	106	125	142	100	123	143	162	105	141	163	184
	L (Deflection)	81	91	108	121	95	106	123	135	100	123	137	151	105	137	152	167
20' - 0"	α_DD+α_LL (Strength)	72	102	125	138	77	108	138	152	81	114	172	167	85	121	182	182
	D+L (Deflection)	62	70	84	97	73	83	98	113	81	97	114	130	85	111	130	149
	L (Deflection)	62	70	84	97	73	83	98	113	81	97	114	129	85	111	130	143
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS																	
1span		7' - 5"	8' - 6"	9' - 8"	10' - 4"	7' - 3"	8' - 4"	9' - 6"	10' - 3"	7' - 2"	8' - 3"	9' - 4"	10' - 1"	7' - 1"	8' - 1"	9' - 3"	10' - 0"
2span		7' - 3"	8' - 5"	10' - 3"	11' - 7"	7' - 2"	8' - 3"	10' - 1"	11' - 6"	7' - 0"	8' - 2"	9' - 11"	11' - 4"	6' - 11"	8' - 0"	9' - 9"	11' - 2"
3span		7' - 6"	8' - 9"	10' - 7"	12' - 0"	7' - 5"	8' - 7"	10' - 5"	11' - 10"	7' - 3"	8' - 5"	10' - 3"	11' - 8"	7' - 2"	8' - 4"	10' - 1"	11' - 6"
cantilever		2' - 8"	3' - 2"	3' - 11"	4' - 8"	2' - 7"	3' - 1"	3' - 11"	4' - 8"	2' - 7"	3' - 1"	3' - 10"	4' - 7"	2' - 7"	3' - 0"	3' - 9"	4' - 6"
cy/100sf		1.75				1.83				1.91				1.98			

8' - 0"	α_DD+α_LL (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_D Moment of inertia for deflection per foot of deck width (in^4)/ft

Sp Section modulus for positive bending per foot of deck width, (in^3)/ft

Sn Section modulus for negative bending per foot of deck width, (in^3)/ft

f'c 3000 psi

α_D, α_L Load factors for dead and live loads, respectivly,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 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

REV: 4/16/08