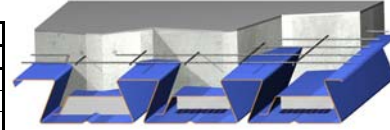


SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I _D	S _p	S _n	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
20	15.00	2461818	1019584	1096510	13.52	15.50	17.17	27.53	29.61	31.50
18	19.84	3346263	1475127	1612586	22.84	26.02	28.70	45.77	49.06	52.04
16	24.99	4262916	2001845	2078830	35.16	39.83	43.77	69.69	74.47	78.80



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS													
h (Wc)		140 mm (217.55)			146 mm (232.3)			152 mm (247.05)			159 mm (261.79)		
Span (mm)	Load Combinations	GAGE											
		20	18	16	20	18	16	20	18	16	20	18	16
3960	α _D D+α _L L (Strength)	6.84	12.09	15.74	6.72	12.39	16.73	6.53	12.66	17.72	6.28	12.87	18.72
	D+L (Deflection)	6.84	12.09	15.74	6.72	12.39	16.73	6.53	12.66	17.72	6.28	12.87	18.72
	L (Deflection)	6.84	12.04	13.55	6.72	12.39	15.26	6.53	12.66	17.13	6.28	12.87	18.72
4260	α _D D+α _L L (Strength)	7.86	9.33	13.30	8.36	9.45	14.14	8.85	9.51	14.77	9.35	9.53	15.17
	D+L (Deflection)	7.86	9.33	13.30	8.36	9.45	14.14	8.85	9.51	14.77	9.35	9.53	15.17
	L (Deflection)	7.86	9.33	10.85	8.36	9.45	12.21	8.85	9.51	13.71	9.35	9.53	15.17
4570	α _D D+α _L L (Strength)	6.57	8.18	10.86	6.98	8.70	11.41	7.40	9.21	11.66	7.81	9.73	11.31
	D+L (Deflection)	6.57	8.18	10.86	6.98	8.70	11.41	7.40	9.21	11.66	7.81	9.73	11.31
	L (Deflection)	6.57	7.83	8.82	6.98	8.70	9.93	7.40	9.21	11.15	7.81	9.73	11.31
4870	α _D D+α _L L (Strength)	5.52	6.88	8.96	5.87	7.32	9.30	6.22	7.75	10.04	6.57	8.19	10.67
	D+L (Deflection)	5.52	6.88	8.52	5.87	7.32	9.30	6.22	7.75	10.04	6.57	8.19	10.67
	L (Deflection)	5.52	6.46	7.27	5.87	7.29	8.18	6.22	7.75	9.19	6.57	8.19	10.28
5180	α _D D+α _L L (Strength)	4.66	5.82	7.67	4.96	6.18	7.79	5.25	6.55	8.42	5.54	6.92	9.09
	D+L (Deflection)	4.66	5.74	6.71	4.96	6.18	7.71	5.25	6.55	8.42	5.54	6.92	9.09
	L (Deflection)	4.66	5.38	6.06	4.96	6.08	6.82	5.25	6.55	7.66	5.54	6.92	8.57
5480	α _D D+α _L L (Strength)	3.95	4.93	6.51	4.20	5.25	6.52	4.45	5.56	7.06	4.70	5.87	7.64
	D+L (Deflection)	3.65	4.47	5.28	4.20	5.21	6.09	4.45	5.56	7.01	4.70	5.87	7.64
	L (Deflection)	3.65	4.47	5.11	4.20	5.12	5.75	4.45	5.56	6.45	4.70	5.87	7.22
5790	α _D D+α _L L (Strength)	3.35	4.20	5.46	3.56	4.46	5.45	3.78	4.73	5.91	3.99	4.99	6.40
	D+L (Deflection)	2.76	3.45	4.13	3.29	4.06	4.80	3.78	4.73	5.56	3.99	4.99	6.39
	L (Deflection)	2.76	3.45	4.13	3.29	4.06	4.80	3.78	4.73	5.49	3.99	4.99	6.14
6090	α _D D+α _L L (Strength)	2.85	3.58	4.57	3.03	3.80	4.53	3.21	4.03	4.92	3.39	4.25	5.35
	D+L (Deflection)	2.04	2.63	3.20	2.47	3.12	3.76	2.95	3.68	4.38	3.39	4.25	5.08
	L (Deflection)	2.04	2.63	3.20	2.47	3.12	3.76	2.95	3.68	4.38	3.39	4.25	5.08
6400	α _D D+α _L L (Strength)	2.38	2.95	3.80	2.57	3.22	3.74	2.73	3.43	4.08	2.88	3.62	4.45
	D+L (Deflection)	1.45	1.95	2.44	1.80	2.36	2.90	2.20	2.82	3.42	2.64	3.33	4.00
	L (Deflection)	1.45	1.95	2.44	1.80	2.36	2.90	2.20	2.82	3.42	2.64	3.33	4.00
6700	α _D D+α _L L (Strength)	1.85	2.36	3.13	2.04	2.59	3.06	2.26	2.84	3.35	2.44	3.09	3.66
	D+L (Deflection)	0.97	1.39	1.81	1.25	1.73	2.19	1.58	2.11	2.63	1.94	2.54	3.11
	L (Deflection)	0.97	1.39	1.81	1.25	1.73	2.19	1.58	2.11	2.63	1.94	2.54	3.11
7010	α _D D+α _L L (Strength)	1.39	1.85	2.55	1.55	2.04	2.47	1.61	2.25	2.71	1.70	2.49	2.97
	D+L (Deflection)	0.56	0.93	1.29	0.79	1.21	1.60	1.06	1.52	1.97	1.36	1.88	2.37
	L (Deflection)	0.56	0.93	1.29	0.79	1.21	1.60	1.06	1.52	1.97	1.36	1.88	2.37
7310	α _D D+α _L L (Strength)	0.98	1.40	2.04	1.22	1.56	1.94	1.30	1.74	2.15	1.37	1.93	2.37
	D+L (Deflection)	0.22	0.54	0.85	0.41	0.76	1.11	0.62	1.02	1.41	0.87	1.32	1.75
	L (Deflection)	0.22	0.54	0.85	0.41	0.76	1.11	0.62	1.02	1.41	0.87	1.32	1.75
7610	α _D D+α _L L (Strength)	0.91	1.01	1.59	0.97	1.13	1.48	1.03	1.28	1.65	1.29	1.44	1.84
	D+L (Deflection)	-0.07	0.21	0.48	0.08	0.39	0.69	0.26	0.60	0.94	0.46	0.85	1.22
	L (Deflection)	-0.07	0.21	0.48	0.08	0.39	0.69	0.26	0.60	0.94	0.46	0.85	1.22
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS													
1span	4165	4490	4750	4100	4425	4680	4040	4360	4620	3985	4300	4555	
2span	3665	4760	5655	3575	4645	5530	3485	4540	5405	3400	4440	5295	
3span	3800	4930	5570	3705	4815	5485	3610	4700	5410	3525	4595	5340	
cantilever	1885	2250	2415	1845	2205	2365	1815	2165	2325	1780	2125	2285	
Concrete Volume (m ³ /m ²)	0.094			0.100			0.106			0.113			

3960	α _D D+α _L L (Strength)	6.84	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	6.84	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	6.84	← Max. superimposed LSD unfactored live load (kPa) (governed by deflection limitation of L/360)
Vertical load span (center to center spacing)			

Wd Weight of deck (uncoated), kg/m²

I_D Moment of inertia for deflection per foot of deck width mm⁴/m

S_p Section modulus for positive bending per foot of deck width, mm³/m

S_n Section modulus for negative bending per foot of deck width, mm³/m

f_c 21 MPa

α_D, α_L Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes

Construction spans shown based on 51 mm exterior bearing and 102 mm 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.

Rbe Allowable exterior web crippling value per foot of deck, kN/m

Rbi Allowable interior web crippling value per foot of deck, kN/m

h Total height of concrete slab, mm

Wc Weight of concrete (neglecting deflection), kg/m²

D Uniform dead load, kPa

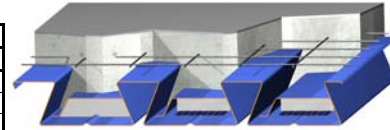
L Uniform live load, kPa

2320 KG/M³ CONCRETE

SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I _D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
20	15.00	2461818	1019584	1096510	13.52	15.50	17.17	27.53	29.61	31.50
18	19.84	3346263	1475127	1612586	22.84	26.02	28.70	45.77	49.06	52.04
16	24.99	4262916	2001845	2078830	35.16	39.83	43.77	69.69	74.47	78.80



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS													
h (Wc)		165 mm (276.54)			171 mm (291.29)			178 mm (306.04)			184 mm (320.79)		
Span (mm)	Load Combinations	GAGE											
		20	18	16	20	18	16	20	18	16	20	18	16
3960	$\alpha_D D + \alpha_L L$ (Strength)	11.87	13.03	19.71	12.47	13.14	20.48	13.07	13.18	21.01	13.67	13.15	21.50
	D+L (Deflection)	11.87	13.03	19.15	12.47	13.14	19.15	13.07	13.18	19.15	13.67	13.15	19.15
	L (Deflection)	11.87	13.03	19.15	12.47	13.14	19.15	13.07	13.18	19.15	13.67	13.15	19.15
4260	$\alpha_D D + \alpha_L L$ (Strength)	9.85	12.26	15.54	10.34	12.87	15.86	10.84	13.49	16.13	11.33	14.11	16.35
	D+L (Deflection)	9.85	12.26	15.54	10.34	12.87	15.86	10.84	13.49	16.13	11.33	14.11	16.35
	L (Deflection)	9.85	12.26	15.54	10.34	12.87	15.86	10.84	13.49	16.13	11.33	14.11	16.35
4570	$\alpha_D D + \alpha_L L$ (Strength)	8.23	10.25	13.21	8.64	10.76	13.88	9.06	11.28	14.54	9.47	11.80	15.21
	D+L (Deflection)	8.23	10.25	13.21	8.64	10.76	13.88	9.06	11.28	14.54	9.47	11.80	15.21
	L (Deflection)	8.23	10.25	13.21	8.64	10.76	13.88	9.06	11.28	14.54	9.47	11.80	15.21
4870	$\alpha_D D + \alpha_L L$ (Strength)	6.91	8.62	11.23	7.26	9.06	11.80	7.61	9.49	12.37	7.96	9.93	12.94
	D+L (Deflection)	6.91	8.62	11.23	7.26	9.06	11.80	7.61	9.49	12.37	7.96	9.93	12.94
	L (Deflection)	6.91	8.62	11.23	7.26	9.06	11.80	7.61	9.49	12.37	7.96	9.93	12.94
5180	$\alpha_D D + \alpha_L L$ (Strength)	5.84	7.29	9.61	6.13	7.66	10.10	6.43	8.02	10.58	6.72	8.39	11.07
	D+L (Deflection)	5.84	7.29	9.61	6.13	7.66	10.10	6.43	8.02	10.58	6.72	8.39	11.07
	L (Deflection)	5.84	7.29	9.55	6.13	7.66	10.10	6.43	8.02	10.58	6.72	8.39	11.07
5480	$\alpha_D D + \alpha_L L$ (Strength)	4.95	6.18	8.26	5.20	6.50	8.68	5.44	6.81	9.10	5.69	7.12	9.51
	D+L (Deflection)	4.95	6.18	8.26	5.20	6.50	8.68	5.44	6.81	9.10	5.69	7.12	9.51
	L (Deflection)	4.95	6.18	8.05	5.20	6.50	8.68	5.44	6.81	9.10	5.69	7.12	9.51
5790	$\alpha_D D + \alpha_L L$ (Strength)	4.20	5.26	6.94	4.41	5.53	7.49	4.62	5.79	7.85	4.83	6.06	8.21
	D+L (Deflection)	4.20	5.26	6.94	4.41	5.53	7.49	4.62	5.79	7.85	4.83	6.06	8.21
	L (Deflection)	4.20	5.26	6.84	4.41	5.53	7.49	4.62	5.79	7.85	4.83	6.06	8.21
6090	$\alpha_D D + \alpha_L L$ (Strength)	3.57	4.48	5.81	3.75	4.71	6.30	3.93	4.93	6.80	4.11	5.16	7.11
	D+L (Deflection)	3.57	4.48	5.81	3.75	4.71	6.30	3.93	4.93	6.80	4.11	5.16	7.11
	L (Deflection)	3.57	4.48	5.81	3.75	4.71	6.30	3.93	4.93	6.80	4.11	5.16	7.11
6400	$\alpha_D D + \alpha_L L$ (Strength)	3.03	3.82	4.84	3.18	4.01	5.26	2.91	4.20	5.71	3.04	4.40	6.17
	D+L (Deflection)	3.03	3.82	4.64	3.18	4.01	5.26	2.91	4.20	5.71	3.04	4.40	6.17
	L (Deflection)	3.03	3.82	4.64	3.18	4.01	5.26	2.91	4.20	5.71	3.04	4.40	6.17
6700	$\alpha_D D + \alpha_L L$ (Strength)	2.18	3.25	4.00	2.29	3.41	4.37	2.40	3.58	4.76	2.51	3.74	5.17
	D+L (Deflection)	2.18	3.01	3.65	2.29	3.41	4.24	2.40	3.58	4.76	2.51	3.74	5.17
	L (Deflection)	2.18	3.01	3.65	2.29	3.41	4.24	2.40	3.58	4.76	2.51	3.74	5.17
7010	$\alpha_D D + \alpha_L L$ (Strength)	1.79	2.75	3.27	1.88	2.90	3.58	1.97	3.04	3.92	2.31	3.18	4.28
	D+L (Deflection)	1.70	2.27	2.82	1.88	2.71	3.32	1.97	3.04	3.87	2.31	3.18	4.28
	L (Deflection)	1.70	2.27	2.82	1.88	2.71	3.32	1.97	3.04	3.87	2.31	3.18	4.28
7310	$\alpha_D D + \alpha_L L$ (Strength)	1.44	2.15	2.62	1.74	2.39	2.89	1.82	2.57	3.19	1.91	2.69	3.50
	D+L (Deflection)	1.15	1.65	2.13	1.47	2.02	2.55	1.82	2.42	3.01	1.91	2.69	3.50
	L (Deflection)	1.15	1.65	2.13	1.47	2.02	2.55	1.82	2.42	3.01	1.91	2.69	3.50
7610	$\alpha_D D + \alpha_L L$ (Strength)	1.36	1.63	2.06	1.43	1.83	2.29	1.49	2.05	2.54	1.56	2.27	2.81
	D+L (Deflection)	0.69	1.12	1.54	0.95	1.43	1.90	1.24	1.78	2.29	1.56	2.15	2.72
	L (Deflection)	0.69	1.12	1.54	0.95	1.43	1.90	1.24	1.78	2.29	1.56	2.15	2.72
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS													
1span	3935	4245	4500	3875	4195	4445	3805	4150	4395	3730	4105	4345	
2span	3320	4345	5185	3245	4250	5085	3175	4165	4985	3110	4085	4890	
3span	3440	4500	5275	3365	4405	5210	3290	4315	5150	3220	4230	5065	
cantilever	1750	2090	2245	1720	2055	2210	1690	2025	2175	1665	1995	2145	
Concrete Volume (m ³ /m ²)	0.119			0.125			0.132			0.138			

3960	$\alpha_D D + \alpha_L L$ (Strength)	11.87	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	11.87	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	11.87	← Max. superimposed LSD unfactored live load (kPa) (governed by deflection limitation of L/360)
Vertical load span (center to center spacing)			

Wd Weight of deck (uncoated), kg/m²

I_D Moment of inertia for deflection per foot of deck width mm⁴/m

Sp Section modulus for positive bending per foot of deck width, mm³/m

Sn Section modulus for negative bending per foot of deck width, mm³/m

f_c 21 MPa

α_D, α_L Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes

Construction spans shown based on 51 mm exterior bearing and 102 mm 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.

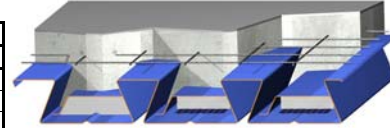
The loads in these tables are based on a Simple Span Design Analysis.

2320 KG/M³ CONCRETE

SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I _D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
20	15.00	2461818	1019584	1096510	13.52	15.50	17.17	27.53	29.61	31.50
18	19.84	3346263	1475127	1612586	22.84	26.02	28.70	45.77	49.06	52.04
16	24.99	4262916	2001845	2078830	35.16	39.83	43.77	69.69	74.47	78.80



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS													
h (Wc)		191 mm (335.54)			197 mm (350.29)			203 mm (365.04)			210 mm (379.79)		
Span (mm)	Load Combinations	GAGE											
		20	18	16	20	18	16	20	18	16	20	18	16
3960	α _D D+α _L L (Strength)	14.27	13.06	21.93	14.87	12.89	22.30	15.46	12.65	22.62	16.06	19.99	22.87
	D+L (Deflection)	14.27	13.06	19.15	14.87	12.89	19.15	15.46	12.65	19.15	16.06	19.15	19.15
	L (Deflection)	14.27	13.06	19.15	14.87	12.89	19.15	15.46	12.65	19.15	16.06	19.15	19.15
4260	α _D D+α _L L (Strength)	11.83	14.73	16.50	12.33	15.35	19.59	12.82	15.96	20.38	13.32	16.58	21.17
	D+L (Deflection)	11.83	14.73	16.50	12.33	15.35	19.15	12.82	15.96	19.15	13.32	16.58	19.15
	L (Deflection)	11.83	14.73	16.50	12.33	15.35	19.15	12.82	15.96	19.15	13.32	16.58	19.15
4570	α _D D+α _L L (Strength)	9.88	12.31	15.88	10.30	12.83	16.54	10.71	13.35	17.21	11.13	13.86	17.88
	D+L (Deflection)	9.88	12.31	15.88	10.30	12.83	16.54	10.71	13.35	17.21	11.13	13.86	17.88
	L (Deflection)	9.88	12.31	15.88	10.30	12.83	16.54	10.71	13.35	17.21	11.13	13.86	17.88
4870	α _D D+α _L L (Strength)	8.31	10.36	13.50	8.66	10.80	14.07	9.00	11.23	14.64	9.35	11.67	15.21
	D+L (Deflection)	8.31	10.36	13.50	8.66	10.80	14.07	9.00	11.23	14.64	9.35	11.67	15.21
	L (Deflection)	8.31	10.36	13.50	8.66	10.80	14.07	9.00	11.23	14.64	9.35	11.67	15.21
5180	α _D D+α _L L (Strength)	7.01	8.76	11.55	7.31	9.13	12.04	7.60	9.49	12.52	7.90	9.86	13.01
	D+L (Deflection)	7.01	8.76	11.55	7.31	9.13	12.04	7.60	9.49	12.52	7.90	9.86	13.01
	L (Deflection)	7.01	8.76	11.55	7.31	9.13	12.04	7.60	9.49	12.52	7.90	9.86	13.01
5480	α _D D+α _L L (Strength)	5.94	7.43	9.93	6.19	7.74	10.35	6.44	8.06	10.77	6.69	8.37	11.19
	D+L (Deflection)	5.94	7.43	9.93	6.19	7.74	10.35	6.44	8.06	10.77	6.69	8.37	11.19
	L (Deflection)	5.94	7.43	9.93	6.19	7.74	10.35	6.44	8.06	10.77	6.69	8.37	11.19
5790	α _D D+α _L L (Strength)	5.04	6.32	8.57	5.26	6.59	8.93	5.47	6.85	9.30	5.16	7.12	9.66
	D+L (Deflection)	5.04	6.32	8.57	5.26	6.59	8.93	5.47	6.85	9.30	5.16	7.12	9.66
	L (Deflection)	5.04	6.32	8.57	5.26	6.59	8.93	5.47	6.85	9.30	5.16	7.12	9.66
6090	α _D D+α _L L (Strength)	3.82	5.39	7.42	3.98	5.61	7.74	4.14	5.84	8.05	4.30	6.07	8.36
	D+L (Deflection)	3.82	5.39	7.42	3.98	5.61	7.74	4.14	5.84	8.05	4.30	6.07	8.36
	L (Deflection)	3.82	5.39	7.42	3.98	5.61	7.74	4.14	5.84	8.05	4.30	6.07	8.36
6400	α _D D+α _L L (Strength)	3.18	4.59	6.44	3.31	4.78	6.72	3.44	4.98	6.99	3.87	5.17	7.26
	D+L (Deflection)	3.18	4.59	6.44	3.31	4.78	6.72	3.44	4.98	6.99	3.87	5.17	7.26
	L (Deflection)	3.18	4.59	6.44	3.31	4.78	6.72	3.44	4.98	6.99	3.87	5.17	7.26
6700	α _D D+α _L L (Strength)	2.62	3.91	5.60	3.00	4.07	5.84	3.12	4.24	6.07	3.25	4.40	6.31
	D+L (Deflection)	2.62	3.91	5.60	3.00	4.07	5.84	3.12	4.24	6.07	3.25	4.40	6.31
	L (Deflection)	2.62	3.91	5.60	3.00	4.07	5.84	3.12	4.24	6.07	3.25	4.40	6.31
7010	α _D D+α _L L (Strength)	2.41	3.32	4.66	2.51	3.46	5.06	2.61	3.60	5.29	2.71	3.74	5.49
	D+L (Deflection)	2.41	3.32	4.66	2.51	3.46	5.06	2.61	3.60	5.29	2.71	3.74	5.49
	L (Deflection)	2.41	3.32	4.66	2.51	3.46	5.06	2.61	3.60	5.29	2.71	3.74	5.49
7310	α _D D+α _L L (Strength)	1.99	2.81	3.83	2.07	2.93	4.18	2.16	3.05	4.55	2.24	3.17	4.78
	D+L (Deflection)	1.99	2.81	3.83	2.07	2.93	4.18	2.16	3.05	4.55	2.24	3.17	4.78
	L (Deflection)	1.99	2.81	3.83	2.07	2.93	4.18	2.16	3.05	4.55	2.24	3.17	4.78
7610	α _D D+α _L L (Strength)	1.63	2.37	3.10	1.70	2.47	3.40	1.77	2.57	3.72	1.83	2.14	4.06
	D+L (Deflection)	1.63	2.37	3.10	1.70	2.47	3.40	1.77	2.57	3.72	1.83	2.14	4.06
	L (Deflection)	1.63	2.37	3.10	1.70	2.47	3.40	1.77	2.57	3.72	1.83	2.14	4.06
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS													
1span	3665	4060	4305	3605	4015	4260	3540	3980	4220	3485	3940	4180	
2span	3045	4005	4805	2985	3930	4720	2925	3860	4640	2870	3790	4565	
3span	3155	4145	4975	3095	4070	4885	3030	3995	4805	2975	3925	4720	
cantilever	1645	1965	2115	1620	1940	2090	1595	1915	2060	1575	1895	2035	
Concrete Volume (m ³ /m ²)	0.144			0.151			0.157			0.164			

3960	α _D D+α _L L (Strength)	14.27	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	14.27	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	14.27	← Max. superimposed LSD unfactored live load (kPa) (governed by deflection limitation of L/360)
Vertical load span (center to center spacing)			

Wd Weight of deck (uncoated), kg/m²

I_D Moment of inertia for deflection per foot of deck width mm⁴/m

Sp Section modulus for positive bending per foot of deck width, mm³/m

Sn Section modulus for negative bending per foot of deck width, mm³/m

f_c 21 MPa

α_D, α_L Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes

Construction spans shown based on 51 mm exterior bearing and 102 mm 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.

Rbe Allowable exterior web crippling value per foot of deck, kN/m

Rbi Allowable interior web crippling value per foot of deck, kN/m

h Total height of concrete slab, mm

Wc Weight of concrete (neglecting deflection), kg/m²

D Uniform dead load, kPa

L Uniform live load, kPa

2320 KG/M³ CONCRETE