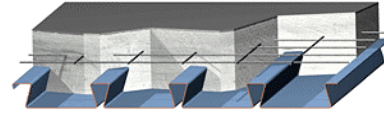


SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I _D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
22	10.86	576005	418416	372806	14.25	16.40	18.22	26.96	29.08	30.99
20	13.17	697816	531897	472084	20.28	23.25	25.75	38.28	41.18	43.81
18	17.40	920953	702322	647699	33.79	38.49	42.45	63.55	68.13	72.26
16	21.91	1158019	882580	838881	51.52	58.36	64.13	96.67	103.30	109.30



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS																	
h (Wc)		102 mm (213.86)				108 mm (228.61)				114 mm (243.36)				121 mm (258.11)			
Span (mm)	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
2430	$\alpha_D D + \alpha_L L$ (Strength)	13.71	19.66	22.28	23.94	13.93	20.47	23.94	23.94	20.89	21.17	23.94	23.94	22.35	21.74	23.94	23.94
	D+L (Deflection)	13.71	19.15	19.15	19.15	13.93	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	13.71	19.15	19.15	19.15	13.93	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
2740	$\alpha_D D + \alpha_L L$ (Strength)	15.46	12.81	19.80	21.37	17.08	13.02	21.14	23.08	18.36	13.10	21.93	23.94	19.63	13.04	22.61	23.94
	D+L (Deflection)	15.46	12.81	19.15	19.15	17.08	13.02	19.15	19.15	18.36	13.10	19.15	19.15	19.15	19.15	13.04	19.15
	L (Deflection)	15.46	12.81	19.15	19.15	17.08	13.02	19.15	19.15	18.36	13.10	19.15	19.15	19.15	13.04	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	11.87	12.86	13.95	19.22	13.37	14.47	14.29	20.77	14.95	16.18	14.52	21.80	16.63	17.98	19.98	22.51
	D+L (Deflection)	11.87	12.86	13.95	19.15	13.37	14.47	14.29	19.15	14.95	16.18	14.52	19.15	16.63	17.98	19.15	19.15
	L (Deflection)	11.87	12.86	13.95	16.16	13.37	14.47	14.29	19.02	14.95	16.18	14.52	19.15	16.63	17.98	19.15	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	9.21	10.03	11.24	14.37	10.41	11.32	12.67	13.81	11.68	12.69	14.19	15.46	13.02	14.14	15.80	17.20
	D+L (Deflection)	9.21	10.03	11.24	14.37	10.41	11.32	12.67	13.81	11.68	12.69	14.19	15.46	13.02	14.14	15.80	17.20
	L (Deflection)	9.21	9.90	11.04	12.14	10.41	11.32	12.67	13.81	11.68	12.69	14.19	15.46	13.02	14.14	15.80	17.20
3650	$\alpha_D D + \alpha_L L$ (Strength)	7.19	7.87	8.88	9.73	8.16	8.92	10.04	10.99	9.19	10.03	11.28	12.34	10.29	11.22	12.60	13.77
	D+L (Deflection)	7.19	7.87	8.88	9.73	8.16	8.92	10.04	10.99	9.19	10.03	11.28	12.34	10.29	11.22	12.60	13.77
	L (Deflection)	7.10	7.62	8.51	9.35	8.16	8.92	10.02	10.99	9.19	10.03	11.28	12.34	10.29	11.22	12.60	13.77
3960	$\alpha_D D + \alpha_L L$ (Strength)	5.62	6.19	7.04	7.76	6.41	7.05	8.00	8.80	7.26	7.97	9.02	9.91	8.15	8.94	10.11	11.10
	D+L (Deflection)	5.62	6.19	7.04	7.76	6.41	7.05	8.00	8.80	7.26	7.97	9.02	9.91	8.15	8.94	10.11	11.10
	L (Deflection)	5.58	6.00	6.69	7.35	6.41	7.05	7.88	8.66	7.26	7.97	9.02	9.91	8.15	8.94	10.11	11.10
4260	$\alpha_D D + \alpha_L L$ (Strength)	4.37	4.86	5.58	6.19	5.02	5.57	6.38	7.06	5.72	6.33	7.23	7.99	6.46	7.14	8.14	8.98
	D+L (Deflection)	4.37	4.86	5.58	6.19	5.02	5.57	6.38	7.06	5.72	6.33	7.23	7.99	6.46	7.14	8.14	8.98
	L (Deflection)	4.37	4.80	5.36	5.89	5.02	5.57	6.31	6.93	5.72	6.33	7.23	7.99	6.46	7.14	8.14	8.98
4570	$\alpha_D D + \alpha_L L$ (Strength)	3.36	3.78	4.41	4.93	3.90	4.37	5.07	5.65	4.48	5.01	5.78	6.43	6.00	5.68	6.55	7.27
	D+L (Deflection)	3.24	3.63	4.26	4.87	3.90	4.37	5.07	5.65	4.48	5.01	5.78	6.43	6.00	5.68	6.55	7.27
	L (Deflection)	3.24	3.63	4.26	4.79	3.90	4.37	5.07	5.63	4.48	5.01	5.78	6.43	5.83	5.68	6.55	7.27
4870	$\alpha_D D + \alpha_L L$ (Strength)	3.29	2.90	3.44	3.89	3.78	3.39	4.00	4.50	4.32	3.92	4.60	5.16	4.88	4.49	5.24	5.87
	D+L (Deflection)	2.29	2.60	3.11	3.60	2.95	3.32	3.93	4.50	3.71	3.92	4.60	5.16	4.56	4.49	5.24	5.87
	L (Deflection)	2.29	2.60	3.11	3.60	2.95	3.32	3.93	4.50	3.71	3.92	4.60	5.16	4.56	4.49	5.24	5.87
5180	$\alpha_D D + \alpha_L L$ (Strength)	2.61	2.18	2.65	3.04	3.02	2.58	3.11	3.55	3.47	3.03	3.62	4.11	3.96	3.50	4.16	4.71
	D+L (Deflection)	1.54	1.79	2.22	2.62	2.07	2.37	2.87	3.34	2.68	3.03	3.61	4.11	3.37	3.50	4.16	4.71
	L (Deflection)	1.54	1.79	2.22	2.62	2.07	2.37	2.87	3.34	2.68	3.03	3.61	4.11	3.37	3.50	4.16	4.71
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.03	1.56	1.98	2.32	2.39	1.90	2.37	2.75	2.77	3.13	2.80	3.23	3.18	3.58	3.26	3.74
	D+L (Deflection)	0.95	1.16	1.51	1.84	1.37	1.62	2.04	2.43	1.86	2.16	2.64	3.10	2.42	2.76	3.26	3.74
	L (Deflection)	0.95	1.16	1.51	1.84	1.37	1.62	2.04	2.43	1.86	2.16	2.64	3.10	2.42	2.76	3.26	3.74
5790	$\alpha_D D + \alpha_L L$ (Strength)	1.55	1.81	1.41	1.71	1.85	2.14	1.74	2.08	2.17	2.50	2.10	2.48	2.48	2.88	2.49	2.91
	D+L (Deflection)	0.48	0.65	0.94	1.22	0.82	1.03	1.37	1.70	1.21	1.46	1.86	2.25	1.66	1.95	2.42	2.87
	L (Deflection)	0.48	0.65	0.94	1.22	0.82	1.03	1.37	1.70	1.21	1.46	1.86	2.25	1.66	1.95	2.42	2.87
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.14	1.36	0.93	1.19	1.39	1.65	1.20	1.50	1.66	1.95	1.51	1.84	1.88	2.28	1.84	2.21
	D+L (Deflection)	0.09	0.24	0.48	0.71	0.36	0.54	0.83	1.10	0.68	0.89	1.23	1.55	1.05	1.29	1.69	2.07
	L (Deflection)	0.09	0.24	0.48	0.71	0.36	0.54	0.83	1.10	0.68	0.89	1.23	1.55	1.05	1.29	1.69	2.07
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2525	2915	3180	3410	2470	2855	3110	3340	2415	2800	3055	3275	2370	2745	2995	3220	
2span	2430	2820	3410	3845	2370	2760	3340	3765	2315	2695	3270	3705	2265	2635	3205	3630	
3span	2515	2920	3525	3970	2455	2855	3455	3890	2400	2790	3385	3835	2345	2730	3315	3760	
cantilever	870	1040	1305	1560	855	1020	1285	1535	845	1005	1260	1505	830	995	1240	1480	
Concrete Volume (m ³ /m ²)	0.092				0.098				0.105				0.111				

2430	$\alpha_D D + \alpha_L L$ (Strength)	13.71	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	13.71	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	13.71	← 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
- 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

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

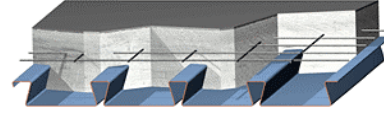
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design 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
22	10.86	576005	418416	372806	14.25	16.40	18.22	26.96	29.08	30.99
20	13.17	697816	531897	472084	20.28	23.25	25.75	38.28	41.18	43.81
18	17.40	920953	702322	647699	33.79	38.49	42.45	63.55	68.13	72.26
16	21.91	1158019	882580	838881	51.52	58.36	64.13	96.67	103.30	109.30



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS																	
h (Wc)		127 mm (272.86)				133 mm (287.61)				140 mm (302.35)				146 mm (317.1)			
Span (mm)	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
2430	α _D D + α _L L (Strength)	23.80	22.18	23.94	23.94	23.94	22.47	23.94	23.94	23.94	22.63	23.94	23.94	23.94	22.63	23.94	23.94
	D+L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
2740	α _D D + α _L L (Strength)	20.91	21.97	23.15	23.94	22.19	23.31	23.57	23.94	23.47	23.94	23.84	23.94	23.94	23.94	23.94	23.94
	D+L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3040	α _D D + α _L L (Strength)	18.38	19.55	21.29	23.09	19.74	20.75	22.61	23.54	20.88	21.95	23.92	23.85	22.02	23.15	23.94	23.94
	D+L (Deflection)	18.38	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	18.38	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3350	α _D D + α _L L (Strength)	14.44	15.67	17.50	19.05	15.92	17.27	19.28	20.98	17.46	18.94	21.15	23.01	19.07	20.68	22.70	23.94
	D+L (Deflection)	14.44	15.67	17.50	19.05	15.92	17.27	19.15	19.15	17.46	18.94	19.15	19.15	19.07	19.15	19.15	19.15
	L (Deflection)	14.44	15.67	17.50	19.05	15.92	17.27	19.15	19.15	17.46	18.94	19.15	19.15	19.07	19.15	19.15	19.15
3650	α _D D + α _L L (Strength)	11.44	12.46	13.99	15.28	12.64	13.77	15.46	16.87	13.91	15.14	16.99	18.54	15.22	16.57	18.58	20.28
	D+L (Deflection)	11.44	12.46	13.99	15.28	12.64	13.77	15.46	16.87	13.91	15.14	16.99	18.54	15.22	16.57	18.58	19.15
	L (Deflection)	11.44	12.46	13.99	15.28	12.64	13.77	15.46	16.87	13.91	15.14	16.99	18.54	15.22	16.57	18.58	19.15
3960	α _D D + α _L L (Strength)	9.10	9.97	11.27	12.35	10.10	11.05	12.48	13.68	11.14	12.19	13.75	15.06	12.22	13.37	15.07	16.51
	D+L (Deflection)	9.10	9.97	11.27	12.35	10.10	11.05	12.48	13.68	11.14	12.19	13.75	15.06	12.22	13.37	15.07	16.51
	L (Deflection)	9.10	9.97	11.27	12.35	10.10	11.05	12.48	13.68	11.14	12.19	13.75	15.06	12.22	13.37	15.07	16.51
4260	α _D D + α _L L (Strength)	7.25	8.00	9.10	10.03	8.08	8.90	10.12	11.14	9.45	9.84	11.18	12.30	10.04	10.83	12.29	13.52
	D+L (Deflection)	7.25	8.00	9.10	10.03	8.08	8.90	10.12	11.14	9.45	9.84	11.18	12.30	10.04	10.83	12.29	13.52
	L (Deflection)	7.25	8.00	9.10	10.03	8.08	8.90	10.12	11.14	9.45	9.84	11.18	12.30	10.04	10.83	12.29	13.52
4570	α _D D + α _L L (Strength)	6.69	6.40	7.36	8.16	7.17	7.16	8.21	9.09	7.66	7.95	9.11	10.08	8.15	8.78	10.05	11.11
	D+L (Deflection)	6.69	6.40	7.36	8.16	7.17	7.16	8.21	9.09	7.66	7.95	9.11	10.08	8.15	8.78	10.05	11.11
	L (Deflection)	6.69	6.40	7.36	8.16	7.17	7.16	8.21	9.09	7.66	7.95	9.11	10.08	8.15	8.78	10.05	11.11
4870	α _D D + α _L L (Strength)	5.41	5.09	5.93	6.62	5.80	5.73	6.65	7.42	6.20	6.40	7.41	8.26	6.60	6.60	8.21	9.13
	D+L (Deflection)	5.41	5.09	5.93	6.62	5.80	5.73	6.65	7.42	6.20	6.40	7.41	8.26	6.60	8.21	8.21	9.13
	L (Deflection)	5.41	5.09	5.93	6.62	5.80	5.73	6.65	7.42	6.20	6.40	7.41	8.26	6.60	8.21	8.21	9.13
5180	α _D D + α _L L (Strength)	4.34	4.97	4.74	5.35	4.66	5.55	5.36	6.03	4.99	6.17	6.01	6.75	5.31	6.82	6.69	7.50
	D+L (Deflection)	4.14	4.60	4.74	5.35	4.66	5.52	5.36	6.03	4.99	6.17	6.01	6.75	5.31	6.82	6.69	7.50
	L (Deflection)	4.14	4.60	4.74	5.35	4.66	5.52	5.36	6.03	4.99	6.17	6.01	6.75	5.31	6.82	6.69	7.50
5480	α _D D + α _L L (Strength)	3.45	4.06	3.75	4.28	3.71	4.57	4.27	4.86	3.97	5.10	4.83	5.48	4.23	5.65	5.41	6.13
	D+L (Deflection)	3.04	3.43	3.75	4.28	3.71	4.19	4.27	4.86	3.97	5.02	4.83	5.48	4.23	5.65	5.41	6.13
	L (Deflection)	3.04	3.43	3.75	4.28	3.71	4.19	4.27	4.86	3.97	5.02	4.83	5.48	4.23	5.65	5.41	6.13
5790	α _D D + α _L L (Strength)	2.69	3.29	2.91	3.38	2.90	3.73	3.36	3.88	3.11	4.19	3.83	4.41	3.32	4.67	4.33	4.97
	D+L (Deflection)	2.17	2.50	2.91	3.38	2.74	3.12	3.36	3.88	3.11	3.80	3.83	4.41	3.32	4.56	4.33	4.97
	L (Deflection)	2.17	2.50	2.91	3.38	2.74	3.12	3.36	3.88	3.11	3.80	3.83	4.41	3.32	4.56	4.33	4.97
6090	α _D D + α _L L (Strength)	2.05	2.64	2.19	2.61	2.21	3.01	2.57	3.04	2.38	3.41	4.05	3.49	2.54	3.83	4.53	3.98
	D+L (Deflection)	1.46	1.74	2.19	2.61	1.93	2.25	2.57	3.04	2.38	2.82	3.42	3.49	2.54	3.45	4.13	3.98
	L (Deflection)	1.46	1.74	2.19	2.61	1.93	2.25	2.57	3.04	2.38	2.82	3.42	3.49	2.54	3.45	4.13	3.98
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2325	2695	2945	3165	2280	2645	2900	3110	2240	2595	2855	3065	2205	2550	2810	3020	
2span	2215	2580	3140	3570	2170	2530	3080	3500	2130	2480	3025	3445	2085	2435	2970	3395	
3span	2295	2675	3250	3680	2245	2620	3185	3625	2200	2565	3125	3565	2160	2520	3070	3515	
cantilever	825	980	1220	1455	810	965	1205	1435	800	955	1190	1410	790	940	1170	1395	
Concrete Volume (m ³ /m ²)	0.117				0.124				0.130				0.137				

2430	α _D D + α _L L (Strength)	23.80	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	19.15	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	19.15	← 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
 - 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

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

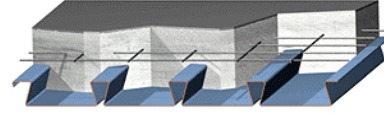
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design of Composite Slabs (CSSBI S3-2002), September 2003. The loads in these tables are based on a Simple Span Design Analysis.

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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
22	10.86	576005	418416	372806	14.25	16.40	18.22	26.96	29.08	30.99
20	13.17	697816	531897	472084	20.28	23.25	25.75	38.28	41.18	43.81
18	17.40	920953	702322	647699	33.79	38.49	42.45	63.55	68.13	72.26
16	21.91	1158019	882580	838881	51.52	58.36	64.13	96.67	103.30	109.30



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS																	
h (Wc)		152 mm (331.85)				159 mm (346.6)				165 mm (361.35)				171 mm (376.1)			
Span (mm)	Load Combinations	GAGE															
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
2430	$\alpha_D D + \alpha_L L$ (Strength)	23.94	22.48	23.94	23.94	23.94	22.18	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94
	D+L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
2740	$\alpha_D D + \alpha_L L$ (Strength)	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94
	D+L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	23.15	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94	23.94
	D+L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	20.74	21.90	23.89	23.94	21.83	22.98	23.94	23.94	22.86	23.94	23.94	23.94	23.88	23.94	23.94	23.94
	D+L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3650	$\alpha_D D + \alpha_L L$ (Strength)	16.58	18.05	20.24	22.09	18.00	19.59	21.96	23.94	19.46	21.18	23.75	23.94	20.97	22.79	23.94	23.94
	D+L (Deflection)	16.58	18.05	19.15	19.15	18.00	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	16.58	18.05	19.15	19.15	18.00	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3960	$\alpha_D D + \alpha_L L$ (Strength)	13.35	14.60	16.46	18.02	14.53	15.87	17.89	19.59	14.60	17.20	19.37	21.22	15.34	18.56	20.91	22.90
	D+L (Deflection)	13.35	14.60	16.46	18.02	14.53	15.87	17.89	19.15	14.60	17.20	19.15	19.15	15.34	18.56	19.15	19.15
	L (Deflection)	13.35	14.60	16.46	18.02	14.53	15.87	17.89	19.15	14.60	17.20	19.15	19.15	15.34	18.56	19.15	19.15
4260	$\alpha_D D + \alpha_L L$ (Strength)	10.64	11.86	13.45	14.79	11.24	12.93	14.66	16.11	11.84	14.04	15.91	17.48	12.44	15.18	17.20	18.90
	D+L (Deflection)	10.64	11.86	13.45	14.79	11.24	12.93	14.66	16.11	11.84	14.04	15.91	17.48	12.44	15.18	17.20	18.90
	L (Deflection)	10.64	11.86	13.45	14.79	11.24	12.93	14.66	16.11	11.84	14.04	15.91	17.48	12.44	15.18	17.20	18.90
4570	$\alpha_D D + \alpha_L L$ (Strength)	8.64	9.65	11.03	12.19	9.13	10.55	12.05	13.31	9.61	11.49	13.11	14.47	10.10	13.22	14.21	15.68
	D+L (Deflection)	8.64	9.65	11.03	12.19	9.13	10.55	12.05	13.31	9.61	11.49	13.11	14.47	10.10	13.22	14.21	15.68
	L (Deflection)	8.64	9.65	11.03	12.19	9.13	10.55	12.05	13.31	9.61	11.49	13.11	14.47	10.10	13.22	14.21	15.68
4870	$\alpha_D D + \alpha_L L$ (Strength)	7.00	8.99	9.04	10.05	7.39	9.81	9.91	11.01	7.79	10.39	10.82	12.01	8.19	10.93	11.75	13.04
	D+L (Deflection)	7.00	8.99	9.04	10.05	7.39	9.81	9.91	11.01	7.79	10.39	10.82	12.01	8.19	10.93	11.75	13.04
	L (Deflection)	7.00	8.99	9.04	10.05	7.39	9.81	9.91	11.01	7.79	10.39	10.82	12.01	8.19	10.93	11.75	13.04
5180	$\alpha_D D + \alpha_L L$ (Strength)	5.64	7.49	7.40	8.29	5.96	8.14	8.15	9.11	6.28	8.59	8.92	9.97	6.60	9.03	9.72	10.86
	D+L (Deflection)	5.64	7.49	7.40	8.29	5.96	8.14	8.15	9.11	6.28	8.59	8.92	9.97	6.60	9.03	9.72	10.86
	L (Deflection)	5.64	7.49	7.40	8.29	5.96	8.14	8.15	9.11	6.28	8.59	8.92	9.97	6.60	9.03	9.72	10.86
5480	$\alpha_D D + \alpha_L L$ (Strength)	4.50	6.24	6.02	6.81	4.76	6.71	6.66	7.52	5.02	7.08	7.33	8.26	5.27	7.44	8.02	9.03
	D+L (Deflection)	4.50	6.24	6.02	6.81	4.76	6.71	6.66	7.52	5.02	7.08	7.33	8.26	5.27	7.44	8.02	9.03
	L (Deflection)	4.50	6.24	6.02	6.81	4.76	6.71	6.66	7.52	5.02	7.08	7.33	8.26	5.27	7.44	8.02	9.03
5790	$\alpha_D D + \alpha_L L$ (Strength)	3.53	5.17	4.86	5.55	3.74	5.49	6.62	6.17	3.94	5.80	7.25	6.81	4.15	6.10	7.90	7.48
	D+L (Deflection)	3.53	5.17	4.86	5.55	3.74	5.49	6.62	6.17	3.94	5.80	7.25	6.81	4.15	6.10	7.90	7.48
	L (Deflection)	3.53	5.17	4.86	5.55	3.74	5.49	6.62	6.17	3.94	5.80	7.25	6.81	4.15	6.10	7.90	7.48
6090	$\alpha_D D + \alpha_L L$ (Strength)	2.71	4.20	5.03	4.48	2.87	4.45	5.55	5.02	3.03	4.70	6.10	5.57	4.78	4.95	6.67	6.15
	D+L (Deflection)	2.71	4.14	4.90	4.48	2.87	4.45	5.55	5.02	3.03	4.70	6.10	5.57	4.78	4.95	6.67	6.15
	L (Deflection)	2.71	4.14	4.90	4.48	2.87	4.45	5.55	5.02	3.03	4.70	6.10	5.57	4.78	4.95	6.67	6.15
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2165	2505	2770	2980	2135	2465	2730	2935	2100	2425	2695	2900	2070	2390	2660	2860	
2span	2045	2390	2915	3345	2010	2345	2870	3295	1970	2305	2820	3245	1935	2270	2775	3195	
3span	2120	2470	3020	3445	2080	2430	2965	3390	2040	2385	2915	3340	2005	2345	2870	3305	
cantilever	785	930	1155	1370	775	915	1140	1355	770	910	1130	1335	760	895	1115	1320	
Concrete Volume (m ³ /m ²)	0.143				0.149				0.156				0.162				

2430	$\alpha_D D + \alpha_L L$ (Strength)	23.94	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	19.15	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	19.15	← 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/m ²		
I _D	Moment of inertia for deflection per foot of deck width mm ⁴ /m		
Sp	Section modulus for positive bending per foot of deck width, mm ³ /m		
Sn	Section modulus for negative bending per foot of deck width, mm ³ /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		
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/m ²		
D	Uniform dead load, kPa		
L	Uniform live load, kPa		

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.

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