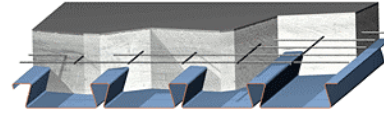


SECTION PROPERTIES

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 (169.61)				108 mm (181.31)				114 mm (193.01)				121 mm (204.71)			
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)	15.84	20.42	22.03	23.73	16.49	22.06	23.79	23.94	17.04	23.68	23.94	23.94	17.49	23.94	23.94	23.94
	D+L (Deflection)	15.84	19.15	19.15	19.15	16.49	19.15	19.15	19.15	17.04	19.15	19.15	19.15	17.49	19.15	19.15	19.15
	L (Deflection)	15.84	19.15	19.15	19.15	16.49	19.15	19.15	19.15	17.04	19.15	19.15	19.15	17.49	19.15	19.15	19.15
2740	$\alpha_D D + \alpha_L L$ (Strength)	15.99	14.76	19.58	21.10	17.29	15.37	21.15	22.80	18.59	15.90	22.72	23.94	19.88	16.32	23.94	23.94
	D+L (Deflection)	15.99	14.76	19.15	19.15	17.29	15.37	19.15	19.15	18.59	15.90	19.15	19.15	19.15	19.15	16.32	19.15
	L (Deflection)	13.56	14.64	16.44	18.13	15.98	15.37	19.15	19.15	18.59	15.90	19.15	19.15	19.15	16.32	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	14.26	10.04	15.73	18.99	15.41	10.24	16.46	20.52	16.57	17.37	17.11	22.05	17.73	18.59	17.67	23.58
	D+L (Deflection)	13.05	10.04	15.73	18.99	15.41	10.24	16.46	19.15	16.57	17.37	17.11	19.15	17.73	18.59	17.67	19.15
	L (Deflection)	9.88	10.04	11.98	13.22	11.65	10.24	14.10	15.53	13.61	14.68	16.44	18.10	15.78	17.00	17.67	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	11.44	12.30	11.27	16.01	12.85	13.81	15.23	16.79	14.36	15.42	16.98	17.50	15.94	16.75	18.18	18.13
	D+L (Deflection)	9.36	10.23	11.27	14.90	11.24	12.26	13.93	16.79	13.34	14.52	16.46	17.50	15.66	16.75	18.18	18.13
	L (Deflection)	7.42	8.02	9.00	9.93	8.75	9.45	10.59	11.67	10.23	11.03	12.35	13.60	11.85	12.78	14.30	15.73
3650	$\alpha_D D + \alpha_L L$ (Strength)	9.17	9.89	10.96	11.87	10.33	11.13	12.31	13.31	11.56	12.45	13.76	14.86	12.87	13.85	15.29	16.50
	D+L (Deflection)	6.81	7.47	8.57	9.59	8.22	9.00	10.28	11.48	9.81	10.72	12.21	13.60	11.58	12.62	14.34	15.95
	L (Deflection)	5.72	6.18	6.94	7.65	6.74	7.28	8.16	8.99	7.88	8.49	9.51	10.47	9.13	9.84	11.01	12.12
3960	$\alpha_D D + \alpha_L L$ (Strength)	7.41	8.01	8.92	9.68	8.37	9.04	10.04	10.88	9.39	10.14	11.25	12.17	10.48	11.31	12.53	13.55
	D+L (Deflection)	4.97	5.49	6.35	7.14	6.07	6.67	7.67	8.61	7.29	8.00	9.16	10.25	8.66	9.47	10.81	12.07
	L (Deflection)	4.50	4.86	5.45	6.02	5.30	5.72	6.42	7.07	6.20	6.68	7.48	8.24	7.18	7.74	8.66	9.53
4260	$\alpha_D D + \alpha_L L$ (Strength)	6.00	6.52	7.29	7.94	6.81	7.39	8.24	8.96	7.67	8.31	9.25	10.04	8.58	9.29	10.33	11.20
	D+L (Deflection)	3.63	4.04	4.71	5.35	4.48	4.96	5.75	6.49	5.44	6.00	6.92	7.78	6.51	7.16	8.22	9.22
	L (Deflection)	3.60	3.89	4.37	4.82	4.25	4.58	5.14	5.66	4.96	5.35	5.99	6.60	5.75	6.20	6.94	7.63
4570	$\alpha_D D + \alpha_L L$ (Strength)	4.87	5.32	5.98	6.54	5.55	6.05	6.79	7.40	6.28	6.83	7.65	8.32	7.05	7.66	8.56	9.31
	D+L (Deflection)	2.62	2.95	3.49	3.99	3.29	3.68	4.31	4.91	4.05	4.50	5.24	5.93	4.90	5.42	6.28	7.08
	L (Deflection)	2.62	2.95	3.49	3.99	3.29	3.68	4.18	4.60	4.03	4.35	4.87	5.36	4.68	5.04	5.64	6.20
4870	$\alpha_D D + \alpha_L L$ (Strength)	3.95	4.34	4.91	5.40	4.52	4.96	5.59	6.13	5.14	5.62	6.33	6.92	5.79	6.33	7.11	7.76
	D+L (Deflection)	1.85	2.11	2.55	2.96	2.38	2.69	3.21	3.69	2.98	3.35	3.95	4.52	3.66	4.09	4.79	5.44
	L (Deflection)	1.85	2.11	2.55	2.96	2.38	2.69	3.21	3.69	2.98	3.35	3.95	4.42	3.66	4.09	4.65	5.11
5180	$\alpha_D D + \alpha_L L$ (Strength)	3.18	3.52	4.02	4.44	3.81	4.05	4.61	5.07	4.16	4.62	5.24	5.75	4.51	5.23	5.91	6.48
	D+L (Deflection)	1.24	1.46	1.82	2.16	1.67	1.93	2.35	2.75	2.15	2.46	2.95	3.41	2.70	3.05	3.63	4.17
	L (Deflection)	1.24	1.46	1.82	2.16	1.67	1.93	2.35	2.75	2.15	2.46	2.95	3.41	2.70	3.05	3.63	4.17
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.83	2.84	3.28	3.65	3.12	3.29	3.78	4.19	3.41	3.78	4.32	4.77	3.71	4.30	4.91	5.41
	D+L (Deflection)	0.77	0.95	1.25	1.52	1.11	1.32	1.67	2.00	1.50	1.75	2.16	2.54	1.94	2.23	2.71	3.16
	L (Deflection)	0.77	0.95	1.25	1.52	1.11	1.32	1.67	2.00	1.50	1.75	2.16	2.54	1.94	2.23	2.71	3.16
5790	$\alpha_D D + \alpha_L L$ (Strength)	2.30	2.26	2.65	2.97	2.53	2.65	3.08	3.44	2.78	3.07	3.55	3.95	3.02	4.14	4.05	4.50
	D+L (Deflection)	0.39	0.54	0.78	1.01	0.66	0.84	1.13	1.40	0.98	1.18	1.53	1.85	1.33	1.58	1.98	2.35
	L (Deflection)	0.39	0.54	0.78	1.01	0.66	0.84	1.13	1.40	0.98	1.18	1.53	1.85	1.33	1.58	1.98	2.35
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.84	1.77	2.11	2.40	2.04	2.75	2.48	2.80	2.24	3.15	2.89	3.24	2.44	3.45	3.33	3.72
	D+L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.69	0.92	0.55	0.73	1.02	1.28	0.84	1.05	1.39	1.70
	L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.69	0.92	0.55	0.73	1.02	1.28	0.84	1.05	1.39	1.70
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2720	3135	3410	3640	2665	3070	3345	3580	2610	3010	3280	3515	2565	2955	3220	3455	
2span	2630	3050	3635	4120	2575	2985	3580	4040	2520	2925	3510	3980	2470	2865	3455	3900	
3span	2720	3155	3765	4260	2665	3090	3690	4175	2610	3025	3630	4110	2555	2965	3555	4030	
cantilever	910	1090	1380	1660	900	1075	1360	1630	885	1065	1340	1605	880	1050	1320	1580	
Concrete Volume (m ³ /m ²)	0.092				0.098				0.105				0.111				

2430	$\alpha_D D + \alpha_L L$ (Strength)	15.84	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	15.84	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	15.84	← 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
- 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

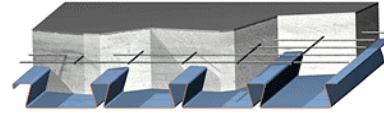
Construction spans shown based on 51 mm exterior bearing and 102 mm interior bearing width.
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's 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.

1840 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 (216.4)				133 mm (228.1)				140 mm (239.8)				146 mm (251.5)			
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)	17.84	23.94	23.94	23.94	18.06	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)	17.84	19.15	19.15	19.15	18.06	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	17.84	19.15	19.15	19.15	18.06	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)	21.18	16.65	23.94	23.94	22.48	16.87	23.94	23.94	23.78	16.98	23.94	23.94	23.94	16.97	23.94	23.94
	D+L (Deflection)	19.15	16.65	19.15	19.15	19.15	16.87	19.15	19.15	19.15	16.98	19.15	19.15	19.15	16.97	19.15	19.15
	L (Deflection)	19.15	16.65	19.15	19.15	19.15	16.87	19.15	19.15	19.15	16.98	19.15	19.15	19.15	16.97	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	18.89	19.81	18.13	23.94	20.05	21.03	18.50	23.94	21.21	22.25	18.76	23.94	22.36	23.47	23.94	23.94
	D+L (Deflection)	18.89	19.15	18.13	19.15	19.15	19.15	18.50	19.15	19.15	19.15	18.76	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	18.16	19.15	18.13	19.15	19.15	19.15	18.50	19.15	19.15	19.15	18.76	19.15	19.15	19.15	19.15	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	17.01	17.85	19.38	18.66	18.06	18.95	20.58	22.31	19.10	20.05	21.78	23.61	20.15	21.15	22.98	23.94
	D+L (Deflection)	17.01	17.85	19.15	18.66	18.06	18.95	19.15	19.15	19.10	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	13.64	14.69	16.43	18.07	15.60	16.79	18.76	19.15	17.72	19.07	19.15	19.15	19.15	19.15	19.15	19.15
3650	$\alpha_D D + \alpha_L L$ (Strength)	14.24	15.32	16.91	18.25	15.68	16.87	18.62	20.08	17.19	18.22	19.80	21.48	18.30	19.22	20.89	22.67
	D+L (Deflection)	13.53	14.72	16.69	18.25	15.67	16.87	18.62	19.15	17.19	18.22	19.15	19.15	18.30	19.15	19.15	19.15
	L (Deflection)	10.51	11.32	12.66	13.92	12.01	12.93	14.45	15.89	13.65	14.69	16.41	18.03	15.42	16.59	18.52	19.15
3960	$\alpha_D D + \alpha_L L$ (Strength)	11.62	12.53	13.88	15.01	12.82	13.83	15.31	16.54	14.08	15.18	16.80	18.15	15.38	16.59	18.36	19.83
	D+L (Deflection)	10.17	11.10	12.64	14.08	11.83	12.89	14.64	16.29	13.64	14.84	16.80	18.15	15.38	16.59	18.36	19.15
	L (Deflection)	8.27	8.90	9.96	10.95	9.45	10.17	11.37	12.49	10.74	11.55	12.90	14.18	12.13	13.05	14.57	16.00
4260	$\alpha_D D + \alpha_L L$ (Strength)	9.54	10.32	11.48	12.44	10.55	11.41	12.68	13.73	11.61	12.55	13.94	15.10	12.71	13.74	15.26	16.53
	D+L (Deflection)	7.69	8.44	9.66	10.81	9.00	9.85	11.24	12.55	10.43	11.39	12.97	14.46	11.99	13.07	14.85	16.53
	L (Deflection)	6.62	7.13	7.97	8.76	7.57	8.14	9.10	10.00	8.60	9.25	10.33	11.35	9.71	10.45	11.66	12.81
4570	$\alpha_D D + \alpha_L L$ (Strength)	7.86	8.54	9.54	10.36	8.72	9.46	10.56	11.47	9.62	10.44	11.64	12.64	10.55	11.45	12.76	13.86
	D+L (Deflection)	5.84	6.44	7.42	8.35	6.88	7.56	8.69	9.74	8.02	8.80	10.07	11.27	9.27	10.14	11.58	12.94
	L (Deflection)	5.38	5.80	6.48	7.13	6.15	6.62	7.40	8.13	6.99	7.52	8.40	9.23	7.90	8.49	9.48	10.42
4870	$\alpha_D D + \alpha_L L$ (Strength)	5.90	7.08	7.95	8.67	6.34	7.87	8.83	9.62	6.77	8.70	9.75	10.62	7.21	9.57	10.72	11.67
	D+L (Deflection)	4.42	4.91	5.71	6.47	5.26	5.81	6.74	7.60	6.18	6.81	7.86	8.84	7.18	7.90	9.08	10.19
	L (Deflection)	4.42	4.77	5.34	5.87	5.07	5.46	6.10	6.70	5.76	6.20	6.92	7.60	6.51	7.00	7.81	8.58
5180	$\alpha_D D + \alpha_L L$ (Strength)	4.87	5.87	6.63	7.26	5.23	6.55	7.39	8.08	5.60	7.27	8.19	8.95	5.97	8.02	9.02	9.86
	D+L (Deflection)	3.31	3.72	4.38	5.00	3.99	4.45	5.21	5.93	4.74	5.26	6.13	6.94	5.56	6.15	7.13	8.05
	L (Deflection)	3.31	3.72	4.38	4.90	3.99	4.45	5.08	5.59	4.74	5.17	5.77	6.34	5.42	5.83	6.51	7.15
5480	$\alpha_D D + \alpha_L L$ (Strength)	4.01	4.86	5.53	6.08	4.31	5.44	6.18	6.80	4.62	6.16	6.88	7.55	4.92	6.57	7.60	8.34
	D+L (Deflection)	2.44	2.78	3.33	3.84	2.99	3.38	4.01	4.60	3.61	4.04	4.77	5.44	4.28	4.77	5.59	6.36
	L (Deflection)	2.44	2.78	3.33	3.84	2.99	3.38	4.01	4.60	3.61	4.04	4.77	5.34	4.28	4.77	5.49	6.03
5790	$\alpha_D D + \alpha_L L$ (Strength)	3.28	4.48	4.59	5.08	3.53	4.82	5.17	5.71	3.78	5.17	5.77	6.36	4.04	5.52	6.40	7.06
	D+L (Deflection)	1.74	2.02	2.49	2.92	2.19	2.52	3.05	3.55	2.70	3.07	3.67	4.24	3.25	3.67	4.36	5.00
	L (Deflection)	1.74	2.02	2.49	2.92	2.19	2.52	3.05	3.55	2.70	3.07	3.67	4.24	3.25	3.67	4.36	5.00
6090	$\alpha_D D + \alpha_L L$ (Strength)	2.65	3.74	3.80	4.23	2.86	4.03	4.29	4.78	3.07	4.32	4.82	5.35	3.28	4.62	5.38	5.96
	D+L (Deflection)	1.17	1.41	1.80	2.17	1.55	1.82	2.27	2.69	1.96	2.28	2.79	3.27	2.42	2.78	3.36	3.91
	L (Deflection)	1.17	1.41	1.80	2.17	1.55	1.82	2.27	2.69	1.96	2.28	2.79	3.27	2.42	2.78	3.36	3.91
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2515	2905	3165	3395	2470	2855	3115	3340	2430	2810	3065	3290	2390	2770	3020	3245	
2span	2420	2815	3385	3840	2375	2760	3335	3785	2330	2710	3285	3725	2290	2665	3235	3670	
3span	2505	2910	3505	3970	2455	2855	3455	3910	2410	2805	3400	3855	2370	2755	3345	3795	
cantilever	865	1035	1300	1555	855	1025	1285	1535	845	1010	1270	1510	840	1000	1250	1490	
Concrete Volume (m ³ /m ²)	0.117				0.124				0.130				0.137				

2430	$\alpha_D D + \alpha_L L$ (Strength)	17.84	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	17.84	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	17.84	← 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
- 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.

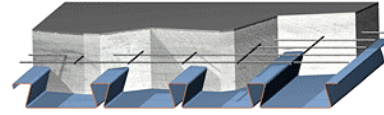
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design 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

F_y = 276 MPa

GAGE	Wd	I _D	S _p	S _n	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 (263.19)				159 mm (274.89)				165 mm (286.59)				171 mm (298.29)			
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)	23.94	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
2740	α _D D + α _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	α _D D + α _L L (Strength)	23.52	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	α _D D + α _L L (Strength)	21.19	22.25	23.94	23.94	22.24	23.35	23.94	23.94	23.28	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
3650	α _D D + α _L L (Strength)	19.25	20.22	21.99	23.86	20.20	21.22	23.08	23.94	21.15	22.22	23.94	23.94	22.10	23.22	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)	17.34	18.64	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
3960	α _D D + α _L L (Strength)	16.74	18.05	19.98	21.59	18.15	19.42	21.13	22.95	19.22	20.33	22.14	23.94	20.19	21.25	23.14	23.94
	D+L (Deflection)	16.74	18.05	19.15	19.15	18.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	13.64	14.66	16.36	17.96	15.26	16.40	18.29	19.15	17.00	18.26	19.15	19.15	18.86	19.15	19.15	19.15
4260	α _D D + α _L L (Strength)	13.86	14.98	16.64	18.01	15.05	16.27	18.06	19.56	16.07	17.60	19.55	21.17	16.88	18.98	21.08	22.83
	D+L (Deflection)	13.69	14.89	16.64	18.01	15.05	16.27	18.06	19.15	16.07	17.60	19.15	19.15	16.88	18.98	19.15	19.15
	L (Deflection)	10.92	11.74	13.10	14.38	12.22	13.13	14.64	16.07	13.61	14.62	16.29	17.88	15.10	16.21	18.06	19.15
4570	α _D D + α _L L (Strength)	9.25	12.50	13.94	15.13	9.78	13.60	15.16	16.45	10.32	14.74	16.43	17.83	10.85	15.92	17.74	19.26
	D+L (Deflection)	9.25	11.60	13.22	14.74	9.78	13.18	14.98	16.45	10.32	14.74	16.43	17.83	10.85	15.92	17.74	19.15
	L (Deflection)	8.88	9.54	10.65	11.69	9.78	10.67	11.90	13.07	10.32	11.88	13.25	14.54	10.85	13.18	14.69	16.11
4870	α _D D + α _L L (Strength)	7.66	10.48	11.73	12.77	8.10	11.42	12.78	13.91	8.54	12.40	13.87	15.10	8.99	13.41	15.00	16.33
	D+L (Deflection)	7.66	9.08	10.41	11.65	8.10	10.36	11.84	13.24	8.54	11.74	13.39	14.94	8.99	13.23	15.00	16.33
	L (Deflection)	7.32	7.86	8.77	9.64	8.10	8.79	9.81	10.77	8.54	9.79	10.92	11.98	8.99	10.86	12.10	13.28
5180	α _D D + α _L L (Strength)	6.34	8.80	9.90	10.81	6.71	8.79	10.81	11.80	7.07	9.28	11.76	12.83	7.44	9.77	12.74	13.90
	D+L (Deflection)	6.34	7.12	8.22	9.25	6.71	8.17	9.39	10.55	7.07	9.28	10.67	11.95	7.44	9.77	12.03	13.46
	L (Deflection)	6.10	6.56	7.32	8.03	6.71	7.33	8.18	8.98	7.07	8.16	9.10	9.99	7.44	9.05	10.09	11.07
5480	α _D D + α _L L (Strength)	5.23	6.98	8.37	9.17	5.54	7.39	9.16	10.04	5.84	7.81	9.98	10.94	6.15	8.22	10.84	11.87
	D+L (Deflection)	5.02	5.57	6.49	7.35	5.54	6.44	7.46	8.43	5.84	7.37	8.51	9.59	6.15	8.22	9.65	10.84
	L (Deflection)	5.02	5.52	6.16	6.77	5.54	6.18	6.89	7.56	5.84	6.88	7.67	8.41	6.15	7.63	8.50	9.33
5790	α _D D + α _L L (Strength)	4.29	5.86	7.07	7.78	4.55	6.22	7.76	8.54	4.80	6.57	8.48	9.33	5.06	6.92	9.23	10.15
	D+L (Deflection)	3.86	4.33	5.10	5.83	4.53	5.05	5.91	6.73	4.80	5.83	6.79	7.70	5.06	6.67	7.74	8.75
	L (Deflection)	3.86	4.33	5.10	5.75	4.53	5.05	5.86	6.43	4.80	5.83	6.52	7.15	5.06	6.49	7.23	7.93
6090	α _D D + α _L L (Strength)	3.49	4.91	5.96	6.60	3.70	5.21	6.57	7.27	3.91	5.51	7.20	7.96	4.12	5.80	8.73	8.68
	D+L (Deflection)	2.93	3.33	3.98	4.60	3.48	3.93	4.66	5.35	3.91	4.58	5.40	6.17	4.12	5.28	6.19	7.05
	L (Deflection)	2.93	3.33	3.98	4.60	3.48	3.93	4.66	5.35	3.91	4.58	5.40	6.13	4.12	5.28	6.19	6.80
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2355	2730	2980	3195	2315	2685	2940	3155	2285	2645	2900	3115	2250	2605	2865	3080	
2span	2250	2620	3180	3615	2210	2575	3135	3560	2175	2535	3085	3510	2140	2495	3040	3470	
3span	2330	2710	3290	3735	2285	2665	3240	3680	2250	2625	3190	3625	2215	2580	3140	3585	
cantilever	830	990	1235	1470	820	975	1220	1455	815	965	1205	1435	805	955	1190	1415	
Concrete Volume (m ³ /m ²)	0.143				0.149				0.156				0.162				

2430	α _D D + α _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		Rbe Allowable exterior web crippling value per foot of deck, kN/m
S _p	Section modulus for positive bending per foot of deck width, mm ³ /m		Rbi Allowable interior web crippling value per foot of deck, kN/m
S _n	Section modulus for negative bending per foot of deck width, mm ³ /m		h Total height of concrete slab, mm
f _c	21 MPa		Wc Weight of concrete (neglecting deflection), kg/m ²
α _D , α _L	Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes		D Uniform dead load, kPa
	Construction spans shown based on 51 mm exterior bearing and 102 mm interior bearing width.		L Uniform live load, kPa

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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