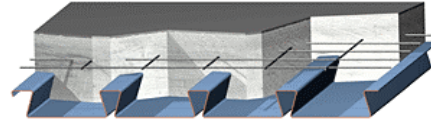


SECTION PROPERTIES

$f_y = 276 \text{ MPa}$

GAGE	Wd	I_D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
22	10.83	557934	395065	366524	14.13	16.26	18.07	26.73	28.82	30.72
20	13.13	678880	495436	459657	20.11	23.06	25.54	37.95	40.82	43.43
18	17.36	902563	662311	630765	33.50	38.16	42.09	63.00	67.53	71.63
16	21.86	1141951	842295	817032	51.08	57.86	63.58	95.82	102.40	108.34



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

Span (mm)	Load Combinations	102 mm (171.88)				108 mm (183.58)				114 mm (195.28)				121 mm (206.97)			
		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
2430	$\alpha_D D + \alpha_L L$ (Strength)	15.25	20.55	22.16	23.88	15.78	21.81	23.93	23.94	16.21	22.78	23.94	23.94	16.52	23.66	23.94	23.94
	D+L (Deflection)	15.25	19.15	19.15	19.15	15.78	19.15	19.15	19.15	16.21	19.15	19.15	19.15	16.52	19.15	19.15	19.15
	L (Deflection)	15.25	19.15	19.15	19.15	15.78	19.15	19.15	19.15	16.21	19.15	19.15	19.15	16.52	19.15	19.15	19.15
2740	$\alpha_D D + \alpha_L L$ (Strength)	16.08	14.06	19.70	21.23	17.38	14.54	21.27	22.92	18.67	14.92	22.84	23.94	19.97	15.19	23.94	23.94
	D+L (Deflection)	16.08	14.06	19.15	19.15	17.38	14.54	19.15	19.15	18.67	14.92	19.15	19.15	19.15	15.19	19.15	19.15
	L (Deflection)	13.71	14.06	16.62	18.33	16.16	14.54	19.15	19.15	18.67	14.92	19.15	19.15	19.15	15.19	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	14.33	15.02	15.20	19.11	15.49	16.24	15.82	20.63	16.65	17.45	16.34	22.16	17.80	18.67	16.78	23.70
	D+L (Deflection)	13.20	14.37	15.20	19.11	15.49	16.24	15.82	19.15	16.65	17.45	16.34	19.15	17.80	18.67	16.78	19.15
	L (Deflection)	9.99	10.79	12.12	13.36	11.78	12.71	14.25	15.69	13.76	14.84	16.34	18.28	15.95	17.18	16.78	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	11.51	12.38	10.68	15.64	12.93	13.89	15.32	16.32	14.43	15.50	17.06	16.93	16.03	16.82	18.26	17.48
	D+L (Deflection)	9.47	10.35	10.68	15.06	11.36	12.39	14.08	16.32	13.48	14.67	16.63	16.93	15.83	16.82	17.48	17.48
	L (Deflection)	7.51	8.11	9.10	10.04	8.85	9.55	10.70	11.79	10.34	11.15	12.48	13.74	11.98	12.91	14.44	15.90
3650	$\alpha_D D + \alpha_L L$ (Strength)	9.22	9.95	11.02	11.94	10.39	11.19	12.38	13.39	11.62	12.52	13.84	14.94	12.93	13.92	15.38	16.61
	D+L (Deflection)	6.88	7.55	8.66	9.70	8.31	9.10	10.39	11.60	9.92	10.83	12.33	13.74	11.70	12.75	14.48	16.09
	L (Deflection)	5.78	6.25	7.01	7.73	6.82	7.35	8.24	9.08	7.96	8.59	9.61	10.58	9.23	9.94	11.12	12.26
3960	$\alpha_D D + \alpha_L L$ (Strength)	7.44	8.06	8.96	9.73	8.41	9.09	10.10	10.94	9.44	10.19	11.31	12.24	10.53	11.36	12.59	13.60
	D+L (Deflection)	5.03	5.55	6.41	7.22	6.13	6.75	7.75	8.70	7.37	8.08	9.25	10.35	8.75	9.57	10.92	12.21
	L (Deflection)	4.55	4.91	5.51	6.08	5.36	5.78	6.48	7.14	6.26	6.75	7.56	8.32	7.26	7.82	8.75	9.62
4260	$\alpha_D D + \alpha_L L$ (Strength)	6.03	6.56	7.33	7.98	6.84	7.42	8.28	9.00	7.70	8.35	9.30	10.10	8.62	9.33	10.39	11.25
	D+L (Deflection)	3.67	4.08	4.76	5.40	4.53	5.02	5.81	6.56	5.50	6.06	6.99	7.86	6.58	7.23	8.30	9.29
	L (Deflection)	3.64	3.93	4.42	4.87	4.29	4.63	5.19	5.72	5.01	5.41	6.05	6.66	5.81	6.26	7.01	7.71
4570	$\alpha_D D + \alpha_L L$ (Strength)	4.89	5.35	6.01	6.57	5.57	6.08	6.82	7.44	6.30	6.86	7.68	8.37	7.08	7.69	8.60	9.34
	D+L (Deflection)	2.65	2.98	3.53	4.04	3.33	3.72	4.36	4.96	4.09	4.55	5.29	5.99	4.95	5.47	6.34	7.13
	L (Deflection)	2.65	2.98	3.53	3.96	3.33	3.72	4.22	4.65	4.08	4.40	4.92	5.42	4.72	5.09	5.70	6.27
4870	$\alpha_D D + \alpha_L L$ (Strength)	3.96	4.35	4.93	5.42	4.54	4.98	5.62	6.15	5.16	5.64	6.36	6.95	5.81	6.35	7.15	7.80
	D+L (Deflection)	1.87	2.14	2.58	2.99	2.40	2.72	3.24	3.73	3.01	3.39	3.99	4.56	3.70	4.13	4.84	5.51
	L (Deflection)	1.87	2.14	2.58	2.99	2.40	2.72	3.24	3.73	3.01	3.39	3.99	4.46	3.70	4.13	4.69	5.17
5180	$\alpha_D D + \alpha_L L$ (Strength)	3.19	3.53	4.04	4.46	3.83	4.06	4.63	5.09	4.18	4.63	5.26	5.78	4.53	5.24	5.94	6.51
	D+L (Deflection)	1.26	1.48	1.84	2.18	1.69	1.95	2.38	2.77	2.18	2.48	2.98	3.45	2.73	3.08	3.67	4.21
	L (Deflection)	1.26	1.48	1.84	2.18	1.69	1.95	2.38	2.77	2.18	2.48	2.98	3.45	2.73	3.08	3.67	4.21
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.85	2.85	3.29	3.66	3.13	3.30	3.79	4.20	3.42	3.79	4.34	4.79	3.72	4.31	4.92	5.41
	D+L (Deflection)	0.78	0.96	1.26	1.53	1.12	1.34	1.69	2.02	1.52	1.77	2.18	2.57	1.96	2.26	2.74	3.21
	L (Deflection)	0.78	0.96	1.26	1.53	1.12	1.34	1.69	2.02	1.52	1.77	2.18	2.57	1.96	2.26	2.74	3.21
5790	$\alpha_D D + \alpha_L L$ (Strength)	2.31	2.26	2.65	2.98	2.54	2.65	3.09	3.45	2.78	3.77	3.56	3.96	3.03	4.15	4.07	4.50
	D+L (Deflection)	0.39	0.54	0.79	1.02	0.67	0.85	1.14	1.41	0.99	1.20	1.54	1.87	1.35	1.60	2.00	2.39
	L (Deflection)	0.39	0.54	0.79	1.02	0.67	0.85	1.14	1.41	0.99	1.20	1.54	1.87	1.35	1.60	2.00	2.39
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.84	2.38	2.11	2.40	2.04	2.76	2.49	2.81	2.24	3.16	2.90	3.25	2.44	3.45	3.34	3.73
	D+L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.70	0.92	0.56	0.74	1.03	1.30	0.85	1.06	1.40	1.72
	L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.70	0.92	0.56	0.74	1.03	1.30	0.85	1.06	1.40	1.72
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2610	3020	3370	3615	2555	2955	3300	3550	2505	2895	3240	3485	2460	2840	3180	3425	
2span	2595	2995	3580	4050	2540	2935	3515	3970	2485	2875	3445	3910	2440	2820	3395	3830	
3span	2690	3100	3695	4190	2630	3035	3640	4105	2575	2975	3565	4045	2525	2915	3515	3960	
cantilever	895	1065	1350	1620	885	1050	1330	1595	870	1040	1310	1570	865	1025	1290	1545	
Concrete Volume (m^3/m^2)	0.093				0.100				0.106				0.112				

2430	$\alpha_D D + \alpha_L L$ (Strength)	15.25	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	15.25	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	15.25	← 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

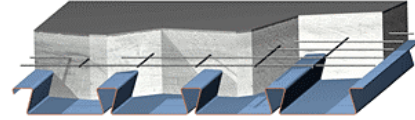
Construction spans shown based on 51 mm exterior bearing and 102 mm interior bearing width.

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.

1840 KG/M^3 CONCRETE

SECTION PROPERTIES $f_y = 276 \text{ MPa}$

GAGE	Wd	I _D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
22	10.83	557934	395065	366524	14.13	16.26	18.07	26.73	28.82	30.72
20	13.13	678880	495436	459657	20.11	23.06	25.54	37.95	40.82	43.43
18	17.36	902563	662311	630765	33.50	38.16	42.09	63.00	67.53	71.63
16	21.86	1141951	842295	817032	51.08	57.86	63.58	95.82	102.40	108.34



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS																	
h (Wc)		127 mm (218.67)				133 mm (230.37)				140 mm (242.07)				146 mm (253.76)			
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	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	
	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	
2740	$\alpha_D D + \alpha_L L$ (Strength)	21.26	15.34	23.94	23.94	22.56	23.66	23.94	23.94	23.86	23.94	23.94	23.94	23.94	23.94	23.94	
	D+L (Deflection)	19.15	15.34	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	15.34	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)	18.96	19.89	17.10	23.94	20.12	21.10	17.32	23.94	21.28	22.32	23.94	23.94	22.43	23.54	23.94	
	D+L (Deflection)	18.96	19.15	17.10	19.15	19.15	19.15	17.32	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	
	L (Deflection)	18.35	19.15	17.10	19.15	19.15	19.15	17.32	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	
3350	$\alpha_D D + \alpha_L L$ (Strength)	17.08	17.92	19.46	17.88	18.12	19.02	20.65	22.39	19.17	20.12	21.85	23.70	20.21	21.22	23.05	
	D+L (Deflection)	17.08	17.92	19.15	17.88	18.12	19.02	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	
	L (Deflection)	13.78	14.84	16.59	17.88	15.75	16.96	18.94	19.15	17.90	19.15	19.15	19.15	19.15	19.15	19.15	
3650	$\alpha_D D + \alpha_L L$ (Strength)	14.31	15.40	17.00	18.34	15.76	16.95	18.71	20.18	17.26	18.28	19.87	21.56	18.36	19.28	20.96	
	D+L (Deflection)	13.67	14.87	16.85	18.34	15.76	16.95	18.71	19.15	17.26	18.28	19.15	19.15	18.36	19.15	19.15	
	L (Deflection)	10.62	11.43	12.78	14.05	12.13	13.06	14.59	16.03	13.79	14.83	16.56	18.19	15.57	16.74	18.69	
3960	$\alpha_D D + \alpha_L L$ (Strength)	11.67	12.60	13.95	15.08	12.88	13.89	15.38	16.62	14.14	15.25	16.88	18.24	15.45	16.66	18.44	
	D+L (Deflection)	10.27	11.21	12.76	14.21	11.95	13.02	14.78	16.44	13.78	14.99	16.88	18.24	15.45	16.66	18.44	
	L (Deflection)	8.35	8.99	10.05	11.05	9.54	10.27	11.48	12.61	10.84	11.66	13.02	14.31	12.25	13.17	14.70	
4260	$\alpha_D D + \alpha_L L$ (Strength)	9.58	10.37	11.53	12.50	10.59	11.46	12.74	13.80	11.66	12.61	14.01	15.17	12.76	13.80	15.33	
	D+L (Deflection)	7.77	8.52	9.76	10.91	9.09	9.94	11.35	12.67	10.54	11.50	13.09	14.59	12.11	13.20	14.99	
	L (Deflection)	6.69	7.20	8.05	8.85	7.64	8.22	9.19	10.10	8.68	9.34	10.43	11.45	9.81	10.54	11.77	
4570	$\alpha_D D + \alpha_L L$ (Strength)	7.89	8.58	9.58	10.41	8.75	9.51	10.61	11.52	9.65	10.48	11.69	12.69	8.74	11.49	12.82	
	D+L (Deflection)	5.90	6.50	7.50	8.43	6.95	7.64	8.77	9.84	8.10	8.88	10.17	11.38	8.74	10.24	11.69	
	L (Deflection)	5.44	5.85	6.54	7.19	6.21	6.69	7.47	8.21	7.06	7.59	8.48	9.31	7.97	8.57	9.57	
4870	$\alpha_D D + \alpha_L L$ (Strength)	5.93	7.11	7.98	8.70	6.36	7.90	8.86	9.66	6.79	8.74	9.79	10.67	7.23	9.61	10.76	
	D+L (Deflection)	4.47	4.96	5.77	6.53	5.31	5.87	6.80	7.67	6.24	6.88	7.93	8.92	7.23	7.97	9.16	
	L (Deflection)	4.47	4.82	5.39	5.93	5.12	5.51	6.16	6.76	5.82	6.26	6.99	7.67	6.57	7.06	7.88	
5180	$\alpha_D D + \alpha_L L$ (Strength)	4.88	5.89	6.66	7.29	5.24	6.57	7.42	8.12	5.61	7.29	8.22	8.99	5.97	8.04	9.06	
	D+L (Deflection)	3.35	3.76	4.43	5.05	4.03	4.50	5.27	5.98	4.79	5.32	6.19	7.00	5.62	6.21	7.20	
	L (Deflection)	3.35	3.76	4.43	4.94	4.03	4.50	5.13	5.64	4.79	5.22	5.82	6.40	5.48	5.89	6.57	
5480	$\alpha_D D + \alpha_L L$ (Strength)	4.01	4.87	5.55	6.10	4.31	5.76	6.21	6.82	4.61	6.17	6.90	7.58	4.92	6.57	7.63	
	D+L (Deflection)	2.47	2.80	3.36	3.88	3.03	3.41	4.05	4.65	3.64	4.09	4.81	5.49	4.32	4.82	5.64	
	L (Deflection)	2.47	2.80	3.36	3.88	3.03	3.41	4.05	4.65	3.64	4.09	4.81	5.39	4.32	4.82	5.54	
5790	$\alpha_D D + \alpha_L L$ (Strength)	3.27	4.49	4.61	5.10	3.52	4.83	5.18	5.73	3.77	5.17	5.79	6.39	4.02	5.51	6.42	
	D+L (Deflection)	1.76	2.04	2.51	2.95	2.22	2.54	3.08	3.58	2.73	3.10	3.71	4.28	3.29	3.71	4.40	
	L (Deflection)	1.76	2.04	2.51	2.95	2.22	2.54	3.08	3.58	2.73	3.10	3.71	4.28	3.29	3.71	4.40	
6090	$\alpha_D D + \alpha_L L$ (Strength)	2.64	3.74	3.81	4.24	2.85	4.03	4.31	4.79	3.06	4.31	4.84	5.37	3.26	4.61	5.39	
	D+L (Deflection)	1.19	1.43	1.82	2.19	1.56	1.84	2.29	2.72	1.98	2.30	2.82	3.30	2.45	2.80	3.39	
	L (Deflection)	1.19	1.43	1.82	2.19	1.56	1.84	2.29	2.72	1.98	2.30	2.82	3.30	2.45	2.80	3.39	
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2415	2785	3130	3370	2375	2735	3080	3315	2335	2690	3035	3265	2300	2645	2985	3220	
2span	2390	2765	3345	3775	2345	2715	3275	3715	2300	2665	3230	3660	2260	2620	3180	3605	
3span	2475	2860	3445	3905	2425	2810	3390	3845	2385	2760	3340	3785	2340	2715	3290	3730	
cantilever	855	1010	1275	1525	845	1000	1255	1500	835	990	1240	1480	825	980	1225	1460	
Concrete Volume (m ³ /m ²)	0.119				0.125				0.131				0.138				

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/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.

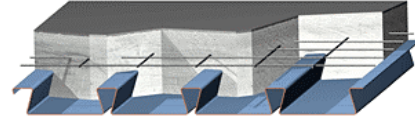
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design 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	10.83	557934	395065	366524	14.13	16.26	18.07	26.73	28.82	30.72
20	13.13	678880	495436	459657	20.11	23.06	25.54	37.95	40.82	43.43
18	17.36	902563	662311	630765	33.50	38.16	42.09	63.00	67.53	71.63
16	21.86	1141951	842295	817032	51.08	57.86	63.58	95.82	102.40	108.34



SIMPLE SPAN - MAXIMUM SUPERIMPOSED LSD LOADS, (kPa), NO STUDS ON BEAMS																	
h (Wc)		152 mm (265.46)				159 mm (277.16)				165 mm (288.86)				171 mm (300.55)			
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)	23.59	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)	21.25	22.31	23.94	23.94	22.30	23.41	23.94	23.94	23.34	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)	19.31	20.28	22.05	23.94	20.26	21.28	23.15	23.94	21.21	22.28	23.94	23.94	22.16	23.28	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)	17.50	18.81	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)	16.81	18.13	20.07	21.69	18.22	19.47	21.19	23.02	19.23	20.39	22.20	23.94	20.19	21.30	23.20	23.94
	D+L (Deflection)	16.81	18.13	19.15	19.15	18.22	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	13.77	14.80	16.50	18.12	15.40	16.54	18.44	19.15	17.15	18.42	19.15	19.15	19.03	19.15	19.15	19.15
4260	α _D D + α _L L (Strength)	13.91	15.04	16.71	18.09	15.10	16.33	18.14	19.64	16.07	17.66	19.62	21.25	13.14	19.04	21.16	22.92
	D+L (Deflection)	13.82	15.03	16.71	18.09	15.10	16.33	18.14	19.15	16.07	17.66	19.15	19.15	13.14	19.04	19.15	19.15
	L (Deflection)	11.02	11.85	13.21	14.51	12.33	13.25	14.77	16.21	13.73	14.75	16.43	18.03	13.14	16.35	18.21	19.15
4570	α _D D + α _L L (Strength)	9.27	12.55	14.00	15.19	9.80	13.65	15.22	16.52	10.32	14.79	16.49	17.90	10.85	15.97	17.80	19.33
	D+L (Deflection)	9.27	11.71	13.34	14.87	9.80	13.30	15.12	16.52	10.32	14.79	16.49	17.90	10.85	15.97	17.80	19.15
	L (Deflection)	8.96	9.63	10.74	11.79	9.80	10.77	12.01	13.18	10.32	11.99	13.36	14.66	10.85	13.29	14.81	16.24
4870	α _D D + α _L L (Strength)	7.66	10.52	11.78	12.82	8.10	11.46	12.83	13.97	8.54	12.44	13.92	15.16	8.98	13.45	15.06	16.39
	D+L (Deflection)	7.66	9.17	10.50	11.76	8.10	10.46	11.95	13.35	8.54	11.85	13.50	15.07	8.98	13.35	15.06	16.39
	L (Deflection)	7.38	7.94	8.85	9.72	8.10	8.87	9.89	10.86	8.54	9.88	11.01	12.08	8.98	10.95	12.20	13.38
5180	α _D D + α _L L (Strength)	6.33	8.31	9.94	10.85	6.70	8.79	10.85	11.85	7.06	9.27	11.80	12.88	7.43	9.76	12.78	13.95
	D+L (Deflection)	6.33	7.19	8.29	9.33	6.70	8.25	9.48	10.64	7.06	9.27	10.76	12.05	7.43	9.76	12.13	13.57
	L (Deflection)	6.16	6.62	7.38	8.10	6.70	7.40	8.25	9.05	7.06	8.24	9.18	10.07	7.43	9.13	10.17	11.16
5480	α _D D + α _L L (Strength)	5.22	6.98	8.39	9.21	5.52	7.39	9.19	10.07	5.82	7.80	10.02	10.98	6.12	8.21	10.87	11.91
	D+L (Deflection)	5.07	5.63	6.55	7.42	5.52	6.50	7.53	8.50	5.82	7.44	8.59	9.67	6.12	8.21	9.73	10.93
	L (Deflection)	5.07	5.57	6.22	6.83	5.52	6.23	6.95	7.63	5.82	6.94	7.73	8.48	6.12	7.69	8.57	9.40
5790	α _D D + α _L L (Strength)	4.27	5.86	7.09	7.81	4.52	6.20	7.79	8.57	4.77	6.55	8.51	9.36	5.02	6.89	9.26	10.19
	D+L (Deflection)	3.90	4.37	5.15	5.88	4.52	5.10	5.97	6.79	4.77	5.88	6.85	7.77	5.02	6.73	7.81	8.82
	L (Deflection)	3.90	4.37	5.15	5.80	4.52	5.10	5.91	6.48	4.77	5.88	6.57	7.21	5.02	6.54	7.29	7.99
6090	α _D D + α _L L (Strength)	3.47	4.90	5.98	6.62	3.67	5.19	6.59	7.29	3.88	5.48	8.24	7.99	4.08	5.77	8.73	8.71
	D+L (Deflection)	2.96	3.36	4.02	4.64	3.52	3.96	4.70	5.40	3.88	4.62	5.45	6.22	4.08	5.33	6.25	7.11
	L (Deflection)	2.96	3.36	4.02	4.64	3.52	3.96	4.70	5.40	3.88	4.62	5.45	6.18	4.08	5.33	6.25	6.85
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2260	2605	2945	3175	2230	2565	2910	3130	2195	2525	2870	3090	2165	2485	2835	3055	
2span	2220	2575	3130	3550	2185	2535	3085	3500	2150	2495	3035	3465	2110	2455	2990	3410	
3span	2300	2665	3240	3675	2260	2625	3190	3620	2220	2580	3140	3565	2190	2540	3095	3530	
cantilever	815	965	1210	1440	810	955	1195	1425	800	945	1185	1405	790	935	1165	1390	
Concrete Volume (m ³ /m ²)	0.144				0.150				0.157				0.163				

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/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

1840 KG/M³ CONCRETE