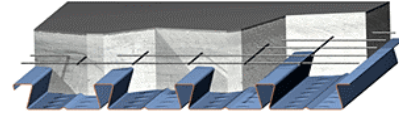


SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I _D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
22	10.97	569724	414593	410769	14.25	16.40	18.22	26.96	29.08	30.99
20	13.30	690032	527117	506633	20.28	23.25	25.75	38.28	41.18	43.81
18	17.58	910711	696041	677332	33.79	38.49	42.45	63.55	68.13	72.26
16	22.13	1144773	874523	851991	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)	14.62	18.14	23.94	23.94	15.95	19.80	23.94	23.94	16.99	21.49	23.94	23.94	17.44	23.21	23.94	23.94
	D+L (Deflection)	14.62	18.14	19.15	19.15	15.95	19.15	19.15	19.15	16.99	19.15	19.15	19.15	19.15	17.44	19.15	19.15
	L (Deflection)	14.62	18.14	19.15	19.15	15.95	19.15	19.15	19.15	16.99	19.15	19.15	19.15	16.99	19.15	19.15	19.15
2740	$\alpha_D D + \alpha_L L$ (Strength)	10.28	14.59	21.48	23.94	11.25	15.33	23.00	23.94	12.24	15.85	23.94	23.94	13.24	16.27	23.94	23.94
	D+L (Deflection)	10.28	14.59	19.15	19.15	11.25	15.33	19.15	19.15	12.24	15.85	19.15	19.15	13.24	16.27	19.15	19.15
	L (Deflection)	10.28	14.59	16.45	18.13	11.25	15.33	19.15	19.15	12.24	15.85	19.15	19.15	13.24	16.27	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	8.15	9.99	15.68	21.29	8.93	10.17	16.41	22.69	9.72	12.67	17.05	23.90	10.52	13.72	17.60	23.94
	D+L (Deflection)	8.15	9.99	15.68	19.15	8.93	10.17	16.41	19.15	9.72	12.67	17.05	19.15	10.52	13.72	17.60	19.15
	L (Deflection)	8.15	9.99	11.99	13.22	8.93	10.17	14.11	15.54	9.72	12.67	16.46	18.11	10.52	13.72	17.60	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	6.57	8.71	11.21	15.96	7.20	9.55	14.67	16.73	7.85	10.40	15.98	17.44	8.50	11.27	17.31	18.05
	D+L (Deflection)	6.57	8.71	11.21	14.90	7.20	9.55	13.94	16.73	7.85	10.40	15.98	17.44	8.50	11.27	17.31	18.05
	L (Deflection)	6.57	8.03	9.01	9.93	7.20	9.46	10.60	11.67	7.85	10.40	12.37	13.61	8.50	11.27	14.32	15.75
3650	$\alpha_D D + \alpha_L L$ (Strength)	5.36	7.24	10.94	11.85	5.88	7.94	12.08	13.29	6.42	8.66	13.17	14.84	6.96	9.39	14.28	16.49
	D+L (Deflection)	5.36	7.24	8.57	9.59	5.88	7.94	10.29	11.49	6.42	8.66	12.22	13.61	6.96	9.39	14.28	15.97
	L (Deflection)	5.36	6.18	6.94	7.65	5.88	7.28	8.16	8.99	6.42	8.51	9.52	10.48	6.96	9.39	11.03	12.13
3960	$\alpha_D D + \alpha_L L$ (Strength)	4.42	5.96	8.90	9.66	4.85	6.55	10.03	10.87	5.30	7.15	10.98	12.16	5.75	7.75	11.91	13.54
	D+L (Deflection)	4.42	5.50	6.35	7.14	4.85	6.55	7.68	8.61	5.30	7.15	9.17	10.25	5.75	7.75	10.83	12.08
	L (Deflection)	4.42	4.86	5.46	6.02	4.85	5.73	6.42	7.07	5.30	6.69	7.49	8.24	5.75	7.75	8.67	9.54
4260	$\alpha_D D + \alpha_L L$ (Strength)	3.66	4.95	7.28	7.92	4.03	5.44	8.23	8.94	4.41	5.94	9.25	10.03	4.79	6.46	10.04	11.20
	D+L (Deflection)	3.63	4.04	4.71	5.34	4.03	4.97	5.76	6.49	4.41	5.94	6.93	7.79	4.79	6.46	8.23	9.23
	L (Deflection)	3.60	3.89	4.37	4.82	4.03	4.59	5.14	5.66	4.41	5.36	6.00	6.60	4.79	6.21	6.94	7.64
4570	$\alpha_D D + \alpha_L L$ (Strength)	3.04	4.13	5.97	6.52	3.35	4.55	6.78	7.39	3.67	4.97	7.64	8.31	4.00	5.41	8.52	9.30
	D+L (Deflection)	2.62	2.95	3.49	3.99	3.30	3.68	4.32	4.91	3.67	4.51	5.25	5.94	4.00	5.41	6.29	7.09
	L (Deflection)	2.62	2.95	3.49	3.92	3.30	3.68	4.18	4.60	3.67	4.36	4.88	5.37	4.00	5.05	5.65	6.21
4870	$\alpha_D D + \alpha_L L$ (Strength)	2.51	3.46	4.90	5.38	2.77	3.82	5.59	6.11	3.04	4.18	6.32	6.91	3.31	4.55	7.11	7.76
	D+L (Deflection)	1.85	2.12	2.55	2.96	2.38	2.70	3.21	3.69	2.99	3.36	3.96	4.52	3.31	4.10	4.80	5.45
	L (Deflection)	1.85	2.12	2.55	2.96	2.38	2.70	3.21	3.69	2.99	3.36	3.96	4.42	3.31	4.10	4.65	5.12
5180	$\alpha_D D + \alpha_L L$ (Strength)	2.06	2.91	4.01	4.43	2.28	3.21	4.60	5.06	2.51	3.52	5.23	5.74	2.46	3.84	5.91	6.47
	D+L (Deflection)	1.25	1.46	1.82	2.15	1.67	1.93	2.35	2.75	2.16	2.46	2.96	3.42	2.46	3.06	3.63	4.17
	L (Deflection)	1.25	1.46	1.82	2.15	1.67	1.93	2.35	2.75	2.16	2.46	2.96	3.42	2.46	3.06	3.63	4.17
5480	$\alpha_D D + \alpha_L L$ (Strength)	1.45	2.44	3.27	3.63	1.62	2.70	3.77	4.18	1.80	2.97	4.32	4.77	1.99	3.25	4.90	5.40
	D+L (Deflection)	0.77	0.95	1.24	1.52	1.11	1.33	1.67	2.00	1.50	1.75	2.16	2.55	1.95	2.24	2.72	3.16
	L (Deflection)	0.77	0.95	1.24	1.52	1.11	1.33	1.67	2.00	1.50	1.75	2.16	2.55	1.95	2.24	2.72	3.16
5790	$\alpha_D D + \alpha_L L$ (Strength)	1.14	2.05	2.64	2.96	1.28	2.27	3.07	3.43	1.43	2.50	3.55	3.94	1.58	2.74	4.05	4.49
	D+L (Deflection)	0.39	0.54	0.78	1.01	0.66	0.84	1.13	1.40	0.98	1.19	1.53	1.85	1.34	1.58	1.98	2.36
	L (Deflection)	0.39	0.54	0.78	1.01	0.66	0.84	1.13	1.40	0.98	1.19	1.53	1.85	1.34	1.58	1.98	2.36
6090	$\alpha_D D + \alpha_L L$ (Strength)	0.87	1.71	2.10	2.38	0.99	1.91	2.48	2.79	1.11	1.83	2.89	3.23	1.24	2.02	3.32	3.71
	D+L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.69	0.91	0.55	0.73	1.02	1.28	0.85	1.05	1.39	1.70
	L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.69	0.91	0.55	0.73	1.02	1.28	0.85	1.05	1.39	1.70
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2705	3120	3400	3625	2650	3055	3330	3565	2595	3000	3265	3500	2545	2945	3205	3440	
2span	2740	3140	3715	4145	2680	3075	3660	4065	2625	3010	3585	4000	2570	2955	3535	3925	
3span	2835	3250	3840	4250	2775	3180	3785	4190	2715	3120	3705	4130	2660	3055	3650	4055	
cantilever	980	1150	1425	1675	970	1135	1405	1650	955	1120	1385	1620	945	1105	1360	1595	
Concrete Volume (m ³ /m ²)	0.092				0.098				0.105				0.111				

2430	$\alpha_D D + \alpha_L L$ (Strength)	14.62	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	14.62	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	14.62	← 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

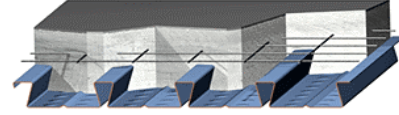
L Uniform live load, kPa

1840 KG/M³ CONCRETE

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	10.97	569724	414593	410769	14.25	16.40	18.22	26.96	29.08	30.99
20	13.30	690032	527117	506633	20.28	23.25	25.75	38.28	41.18	43.81
18	17.58	910711	696041	677332	33.79	38.49	42.45	63.55	68.13	72.26
16	22.13	1144773	874523	851991	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)	17.76	23.94	23.94	23.94	17.98	23.94	23.94	23.94	20.96	23.94	23.94	23.94	22.30	23.94	23.94	23.94
	D+L (Deflection)	17.76	19.15	19.15	19.15	17.98	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	17.76	19.15	19.15	19.15	17.98	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)	14.26	16.58	23.94	23.94	15.29	16.79	23.94	23.94	16.33	16.88	23.94	23.94	17.38	16.85	23.94	23.94
	D+L (Deflection)	14.26	16.58	19.15	19.15	15.29	16.79	19.15	19.15	16.33	16.88	19.15	19.15	17.38	16.85	19.15	19.15
	L (Deflection)	14.26	16.58	19.15	19.15	15.29	16.79	19.15	19.15	16.33	16.88	19.15	19.15	17.38	16.85	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	11.34	14.79	18.06	23.94	12.17	15.87	18.41	23.94	13.00	16.96	18.66	23.94	13.84	18.06	23.94	23.94
	D+L (Deflection)	11.34	14.79	18.06	19.15	12.17	15.87	18.41	19.15	13.00	16.96	18.66	19.15	13.84	18.06	19.15	19.15
	L (Deflection)	11.34	14.79	18.06	19.15	12.17	15.87	18.41	19.15	13.00	16.96	18.66	19.15	13.84	18.06	19.15	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	9.17	12.15	18.67	18.58	9.84	13.05	20.05	23.94	10.53	13.95	21.44	23.94	11.21	14.86	22.85	23.94
	D+L (Deflection)	9.17	12.15	18.67	18.58	9.84	13.05	19.15	19.15	10.53	13.95	19.15	19.15	11.21	14.86	19.15	19.15
	L (Deflection)	9.17	12.15	16.46	18.09	9.84	13.05	18.80	19.15	10.53	13.95	19.15	19.15	11.21	14.86	19.15	19.15
3650	$\alpha_D D + \alpha_L L$ (Strength)	7.51	10.13	15.40	18.24	8.07	10.88	16.55	20.08	8.63	11.64	17.70	22.01	9.20	12.41	18.87	23.94
	D+L (Deflection)	7.51	10.13	15.40	18.24	8.07	10.88	16.55	19.15	8.63	11.64	17.70	19.15	9.20	12.41	18.87	19.15
	L (Deflection)	7.51	10.13	12.68	13.94	8.07	10.88	14.48	15.91	8.63	11.64	16.44	18.06	9.20	12.41	18.86	19.15
3960	$\alpha_D D + \alpha_L L$ (Strength)	6.21	8.37	12.86	15.00	6.68	9.00	13.82	16.54	7.15	9.63	14.79	18.16	7.63	10.27	15.78	19.85
	D+L (Deflection)	6.21	8.37	12.66	14.10	6.68	9.00	13.82	16.32	7.15	9.63	14.79	18.16	7.63	10.27	15.78	19.15
	L (Deflection)	6.21	8.37	9.97	10.96	6.68	9.00	11.39	12.52	7.15	9.63	12.93	14.20	7.63	10.27	14.60	16.03
4260	$\alpha_D D + \alpha_L L$ (Strength)	5.18	6.98	10.84	12.43	5.58	7.50	11.66	13.73	5.97	8.04	12.48	15.10	6.38	8.58	13.32	16.53
	D+L (Deflection)	5.18	6.98	9.68	10.82	5.58	7.50	11.27	12.57	5.97	8.04	12.48	14.49	6.38	8.58	13.32	16.53
	L (Deflection)	5.18	6.98	7.98	8.78	5.58	7.50	9.12	10.02	5.97	8.04	10.35	11.37	6.38	8.58	11.69	12.84
4570	$\alpha_D D + \alpha_L L$ (Strength)	4.33	5.85	9.21	10.36	4.66	6.30	9.91	11.47	5.00	6.75	10.62	12.64	5.35	7.21	11.34	13.86
	D+L (Deflection)	4.33	5.85	7.44	8.36	4.66	6.30	8.71	9.76	5.00	6.75	10.10	11.30	5.35	7.21	11.34	12.97
	L (Deflection)	4.33	5.81	6.49	7.14	4.66	6.30	7.41	8.15	5.00	6.75	8.42	9.25	5.35	7.21	9.50	10.44
4870	$\alpha_D D + \alpha_L L$ (Strength)	3.59	4.93	7.88	8.66	3.88	5.31	8.48	9.62	3.83	5.70	9.10	10.62	4.11	6.09	9.71	11.68
	D+L (Deflection)	3.59	4.92	5.72	6.48	3.88	5.31	6.75	7.61	3.83	5.70	7.87	8.86	4.11	6.09	9.10	10.21
	L (Deflection)	3.59	4.78	5.35	5.88	3.88	5.31	6.11	6.71	3.83	5.70	6.94	7.62	4.11	6.09	7.83	8.60
5180	$\alpha_D D + \alpha_L L$ (Strength)	2.68	4.17	6.63	7.25	2.91	4.49	7.30	8.08	3.14	4.83	7.83	8.95	3.37	5.16	8.37	9.86
	D+L (Deflection)	2.68	3.73	4.39	5.01	2.91	4.47	5.23	5.94	3.14	4.83	6.14	6.96	3.37	5.16	7.15	8.07
	L (Deflection)	2.68	3.73	4.39	4.90	2.91	4.47	5.09	5.60	3.14	4.83	5.78	6.35	3.37	5.16	6.53	7.17
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.17	3.53	5.53	6.08	2.36	3.81	6.19	6.79	2.56	4.10	6.77	7.55	2.75	4.39	7.24	8.35
	D+L (Deflection)	2.17	2.78	3.34	3.85	2.36	3.39	4.02	4.61	2.56	4.06	4.78	5.45	2.75	4.39	5.61	6.37
	L (Deflection)	2.17	2.78	3.34	3.85	2.36	3.39	4.02	4.61	2.56	4.06	4.78	5.35	2.75	4.39	5.50	6.04
5790	$\alpha_D D + \alpha_L L$ (Strength)	1.74	2.98	4.59	5.08	1.90	2.91	5.17	5.70	2.06	3.14	5.77	6.37	2.23	3.38	6.29	7.06
	D+L (Deflection)	1.74	2.03	2.49	2.92	1.90	2.53	3.06	3.56	2.06	3.08	3.68	4.25	2.23	3.38	4.37	5.02
	L (Deflection)	1.74	2.03	2.49	2.92	1.90	2.53	3.06	3.56	2.06	3.08	3.68	4.25	2.23	3.38	4.37	5.02
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.37	2.22	3.80	4.23	1.51	2.41	4.30	4.77	1.64	2.61	4.83	5.35	1.78	2.82	5.38	5.96
	D+L (Deflection)	1.18	1.42	1.81	2.17	1.51	1.83	2.28	2.70	1.64	2.28	2.80	3.28	1.78	2.79	3.37	3.92
	L (Deflection)	1.18	1.42	1.81	2.17	1.51	1.83	2.28	2.70	1.64	2.28	2.80	3.28	1.78	2.79	3.37	3.92
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2500	2895	3155	3380	2455	2845	3105	3330	2415	2800	3055	3275	2375	2760	3010	3230	
2span	2520	2895	3460	3865	2470	2845	3410	3805	2425	2790	3355	3750	2380	2745	3300	3690	
3span	2605	3000	3580	3995	2555	2945	3525	3940	2510	2890	3470	3875	2465	2840	3415	3820	
cantilever	935	1090	1345	1575	925	1080	1325	1550	910	1065	1310	1525	900	1050	1290	1505	
Concrete Volume (m ³ /m ²)	0.117				0.124				0.130				0.137				

2430	$\alpha_D D + \alpha_L L$ (Strength)	17.76	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)	
	D+L (Deflection)	17.76	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)	
	L (Deflection)	17.76	← 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		Rbe	Allowable exterior web crippling value per foot of deck, kN/m
I _D	Moment of inertia for deflection per foot of deck width mm ⁴ /m		Rbi	Allowable interior web crippling value per foot of deck, kN/m
Sp	Section modulus for positive bending per foot of deck width, mm ³ /m		h	Total height of concrete slab, mm
Sn	Section modulus for negative bending per foot of deck width, mm ³ /m		Wc	Weight of concrete (neglecting deflection), kg/m ²
f _c	21 MPa		D	Uniform dead load, kPa
α_D, α_L	Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes		L	Uniform live load, kPa

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

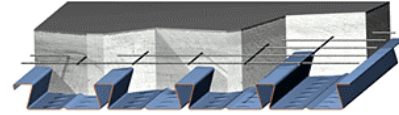
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design 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	10.97	569724	414593	410769	14.25	16.40	18.22	26.96	29.08	30.99
20	13.30	690032	527117	506633	20.28	23.25	25.75	38.28	41.18	43.81
18	17.58	910711	696041	677332	33.79	38.49	42.45	63.55	68.13	72.26
16	22.13	1144773	874523	851991	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	$\alpha_D D + \alpha_L L$ (Strength)	23.65	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)	18.44	23.70	23.94	23.94	19.50	23.94	23.94	23.94	20.57	23.94	23.94	23.94	21.65	23.94	23.94	
	D+L (Deflection)	18.44	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)	18.44	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)	14.69	19.17	23.94	23.94	15.55	20.28	23.94	23.94	16.40	21.41	23.94	23.94	17.27	22.54	23.94	
	D+L (Deflection)	14.69	19.15	19.15	19.15	15.55	19.15	19.15	19.15	16.40	19.15	19.15	19.15	17.27	19.15	19.15	
	L (Deflection)	14.69	19.15	19.15	19.15	15.55	19.15	19.15	19.15	16.40	19.15	19.15	19.15	17.27	19.15	19.15	
3350	$\alpha_D D + \alpha_L L$ (Strength)	11.91	15.78	23.94	23.94	12.60	16.71	23.94	23.94	13.30	17.64	23.94	23.94	14.01	18.57	23.94	
	D+L (Deflection)	11.91	15.78	19.15	19.15	12.60	16.71	19.15	19.15	13.30	17.64	19.15	19.15	14.01	18.57	19.15	
	L (Deflection)	11.91	15.78	19.15	19.15	12.60	16.71	19.15	19.15	13.30	17.64	19.15	19.15	14.01	18.57	19.15	
3650	$\alpha_D D + \alpha_L L$ (Strength)	9.78	13.18	20.05	23.94	10.35	13.96	21.24	23.94	10.94	14.74	22.44	23.94	11.52	15.53	23.94	
	D+L (Deflection)	9.78	13.18	19.15	19.15	10.35	13.96	19.15	19.15	10.94	14.74	19.15	19.15	11.52	15.53	19.15	
	L (Deflection)	9.78	13.18	19.15	19.15	10.35	13.96	19.15	19.15	10.94	14.74	19.15	19.15	11.52	15.53	19.15	
3960	$\alpha_D D + \alpha_L L$ (Strength)	8.11	10.92	16.77	21.61	8.60	11.57	17.77	23.44	9.08	12.22	18.77	23.94	9.57	12.88	19.78	
	D+L (Deflection)	8.11	10.92	16.77	19.15	8.60	11.57	17.77	19.15	9.08	12.22	18.77	19.15	9.57	12.88	19.15	
	L (Deflection)	8.11	10.92	16.40	18.00	8.60	11.57	17.77	19.15	9.08	12.22	18.77	19.15	9.57	12.88	19.15	
4260	$\alpha_D D + \alpha_L L$ (Strength)	6.78	9.12	14.16	18.03	7.19	9.67	15.01	19.58	7.61	10.22	15.87	21.19	8.02	10.77	16.73	
	D+L (Deflection)	6.78	9.12	14.16	18.03	7.19	9.67	15.01	19.15	7.61	10.22	15.87	19.15	8.02	10.77	16.73	
	L (Deflection)	6.78	9.12	13.13	14.42	7.19	9.67	14.68	16.11	7.61	10.22	15.87	17.93	8.02	10.77	16.73	
4570	$\alpha_D D + \alpha_L L$ (Strength)	5.69	7.67	12.06	15.14	6.04	8.14	12.79	16.47	6.00	8.61	13.52	17.85	6.33	9.08	14.26	
	D+L (Deflection)	5.69	7.67	12.06	14.78	6.04	8.14	12.79	16.47	6.00	8.61	13.52	17.85	6.33	9.08	14.26	
	L (Deflection)	5.69	7.67	10.67	11.72	6.04	8.14	11.93	13.10	6.00	8.61	13.28	14.58	6.33	9.08	14.26	
4870	$\alpha_D D + \alpha_L L$ (Strength)	4.39	6.49	10.34	12.78	4.67	6.89	10.97	13.92	4.95	7.29	11.60	15.12	5.23	7.69	12.24	
	D+L (Deflection)	4.39	6.49	10.34	11.68	4.67	6.89	10.97	13.27	4.95	7.29	11.60	14.98	5.23	7.69	12.24	
	L (Deflection)	4.39	6.49	8.79	9.66	4.67	6.89	9.83	10.79	4.95	7.29	10.94	12.01	5.23	7.69	12.13	
5180	$\alpha_D D + \alpha_L L$ (Strength)	3.60	5.50	8.91	10.82	3.84	5.85	9.46	11.82	4.08	6.19	10.01	12.85	4.32	6.13	10.56	
	D+L (Deflection)	3.60	5.50	8.24	9.27	3.84	5.85	9.42	10.58	4.08	6.19	10.01	11.99	4.32	6.13	10.56	
	L (Deflection)	3.60	5.50	7.33	8.05	3.84	5.85	8.20	9.00	4.08	6.19	9.12	10.01	4.32	6.13	10.11	
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.95	4.31	7.72	9.18	3.15	4.60	8.20	10.05	3.35	4.88	8.68	10.95	3.55	5.16	9.16	
	D+L (Deflection)	2.95	4.31	6.51	7.37	3.15	4.60	7.49	8.45	3.35	4.88	8.54	9.62	3.55	5.16	9.16	
	L (Deflection)	2.95	4.31	6.18	6.78	3.15	4.60	6.91	7.58	3.35	4.88	7.69	8.44	3.55	5.16	8.52	
5790	$\alpha_D D + \alpha_L L$ (Strength)	2.39	3.62	6.71	7.79	2.56	3.86	7.13	8.55	2.73	4.10	7.55	9.34	2.90	4.35	7.97	
	D+L (Deflection)	2.39	3.62	5.12	5.85	2.56	3.86	5.93	6.75	2.73	4.10	6.82	7.73	2.90	4.35	7.76	
	L (Deflection)	2.39	3.62	5.12	5.77	2.56	3.86	5.87	6.45	2.73	4.10	6.54	7.17	2.90	4.35	7.24	
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.92	3.02	5.84	6.60	2.06	3.23	6.21	7.27	2.20	3.44	6.59	7.97	2.35	3.65	6.96	
	D+L (Deflection)	1.92	3.02	4.00	4.61	2.06	3.23	4.68	5.37	2.20	3.44	5.42	6.19	2.35	3.65	6.21	
	L (Deflection)	1.92	3.02	4.00	4.61	2.06	3.23	4.68	5.37	2.20	3.44	5.42	6.15	2.35	3.65	6.21	
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2340	2715	2970	3185	2305	2670	2925	3140	2270	2630	2890	3105	2235	2590	2855	3065	
2span	2340	2695	3245	3635	2300	2655	3195	3580	2260	2610	3145	3530	2220	2570	3100	3495	
3span	2420	2790	3360	3765	2380	2745	3305	3705	2340	2700	3255	3650	2300	2660	3205	3615	
cantilever	895	1040	1275	1485	885	1025	1260	1470	875	1020	1245	1450	865	1005	1230	1435	
Concrete Volume (m ³ /m ²)	0.143				0.149				0.156				0.162				

2430	$\alpha_D D + \alpha_L L$ (Strength)	23.65	← 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