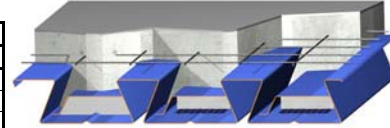


SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I <sub>D</sub>	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)		140 mm (172.54)			146 mm (184.24)			152 mm (195.93)			159 mm (207.63)		
Span (mm)	Load Combinations	GAGE											
		20	18	16	20	18	16	20	18	16	20	18	16
3960	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	8.22	12.52	15.74	8.33	13.39	16.73	8.40	14.00	17.72	8.42	14.44	18.72
	D+L (Deflection)	8.22	12.52	15.74	8.33	13.39	16.73	8.40	14.00	17.72	8.42	14.44	18.72
	L (Deflection)	8.22	10.20	11.65	8.33	11.43	12.94	8.40	12.82	14.43	8.42	14.33	16.10
4260	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	6.15	9.98	13.30	6.12	10.66	14.14	6.04	10.98	14.98	9.53	11.23	15.82
	D+L (Deflection)	6.15	9.98	13.30	6.12	10.66	14.14	6.04	10.98	14.98	9.53	11.23	15.82
	L (Deflection)	6.15	8.16	9.33	6.12	9.15	10.36	6.04	10.27	11.55	9.53	11.23	12.89
4570	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	6.72	7.93	11.19	7.15	8.39	11.86	7.57	8.55	12.70	7.99	9.91	13.23
	D+L (Deflection)	6.72	7.93	11.19	7.15	8.39	11.86	7.57	8.55	12.70	7.99	9.91	13.23
	L (Deflection)	5.73	6.64	7.59	6.46	7.44	8.43	7.27	8.35	9.39	7.99	9.33	10.48
4870	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	5.67	7.03	9.19	6.03	7.48	9.67	6.39	7.92	9.32	6.75	8.37	10.85
	D+L (Deflection)	5.23	6.31	9.19	6.03	7.19	9.67	6.39	7.92	9.32	6.75	8.37	10.67
	L (Deflection)	4.72	5.47	6.25	5.33	6.13	6.94	5.99	6.88	7.74	6.71	7.69	8.63
5180	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	4.81	5.97	7.82	5.12	6.35	8.32	5.42	6.72	8.81	5.73	7.10	9.31
	D+L (Deflection)	4.06	4.95	5.88	4.70	5.66	6.63	5.42	6.48	7.51	5.73	7.10	8.51
	L (Deflection)	3.93	4.56	5.21	4.44	5.11	5.79	4.99	5.73	6.45	5.59	6.41	7.20
5480	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	4.10	5.09	6.74	4.36	5.41	7.17	4.62	5.73	7.60	4.88	6.05	8.03
	D+L (Deflection)	3.13	3.87	4.65	3.65	4.46	5.26	4.24	5.13	5.98	4.88	5.87	6.81
	L (Deflection)	3.13	3.84	4.39	3.65	4.31	4.88	4.21	4.83	5.43	4.71	5.40	6.06
5790	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	3.51	4.35	5.84	3.73	4.63	6.21	3.95	4.90	6.58	4.17	5.18	6.95
	D+L (Deflection)	2.38	3.01	3.66	2.81	3.49	4.16	3.29	4.04	4.76	3.82	4.65	5.45
	L (Deflection)	2.38	3.01	3.66	2.81	3.49	4.15	3.29	4.04	4.62	3.82	4.59	5.16
6090	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	3.00	3.73	5.08	3.19	3.96	5.40	3.38	4.20	5.72	3.57	4.44	6.04
	D+L (Deflection)	1.78	2.31	2.86	2.13	2.70	3.28	2.53	3.16	3.77	2.96	3.67	4.35
	L (Deflection)	1.78	2.31	2.86	2.13	2.70	3.28	2.53	3.16	3.77	2.96	3.67	4.35
6400	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	2.57	3.20	4.42	2.74	3.40	4.71	2.90	3.60	4.99	3.06	3.81	5.27
	D+L (Deflection)	1.29	1.74	2.21	1.58	2.06	2.55	1.90	2.44	2.96	2.26	2.87	3.44
	L (Deflection)	1.29	1.74	2.21	1.58	2.06	2.55	1.90	2.44	2.96	2.26	2.87	3.44
6700	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	2.20	2.74	3.87	2.34	2.92	4.11	2.48	3.09	4.36	2.62	3.27	4.60
	D+L (Deflection)	0.88	1.27	1.67	1.12	1.53	1.95	1.38	1.85	2.29	1.68	2.20	2.70
	L (Deflection)	0.88	1.27	1.67	1.12	1.53	1.95	1.38	1.85	2.29	1.68	2.20	2.70
7010	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	1.89	2.35	3.38	2.01	2.50	3.60	2.13	2.65	3.81	2.25	2.80	4.03
	D+L (Deflection)	0.54	0.87	1.22	0.73	1.09	1.45	0.95	1.35	1.74	1.20	1.65	2.07
	L (Deflection)	0.54	0.87	1.22	0.73	1.09	1.45	0.95	1.35	1.74	1.20	1.65	2.07
7310	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	1.61	2.01	2.96	1.71	2.14	3.15	1.82	2.27	3.34	1.92	2.40	3.53
	D+L (Deflection)	0.25	0.54	0.84	0.41	0.72	1.03	0.59	0.94	1.27	0.79	1.18	1.55
	L (Deflection)	0.25	0.54	0.84	0.41	0.72	1.03	0.59	0.94	1.27	0.79	1.18	1.55
7610	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	1.37	1.72	2.59	1.46	1.83	2.76	1.55	1.94	2.93	1.34	2.05	3.09
	D+L (Deflection)	0.01	0.26	0.52	0.14	0.41	0.67	0.28	0.59	0.87	0.45	0.79	1.11
	L (Deflection)	0.01	0.26	0.52	0.14	0.41	0.67	0.28	0.59	0.87	0.45	0.79	1.11
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS													
1span	4395	4730	5000	4330	4665	4930	4265	4595	4865	4210	4540	4800	
2span	4000	5160	6105	3910	5050	5980	3815	4945	5860	3735	4840	5750	
3span	4140	5345	5860	4045	5225	5780	3955	5120	5700	3870	5015	5625	
cantilever	2015	2415	2585	1980	2365	2535	1945	2325	2490	1910	2285	2450	
Concrete Volume (m <sup>3</sup> /m <sup>2</sup> )	0.094			0.100			0.106			0.113			

3960	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	8.22	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	8.22	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	8.22	← 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<sup>2</sup>

I<sub>D</sub> Moment of inertia for deflection per foot of deck width mm<sup>4</sup>/m

Sp Section modulus for positive bending per foot of deck width, mm<sup>3</sup>/m

Sn Section modulus for negative bending per foot of deck width, mm<sup>3</sup>/m

f<sub>c</sub> 21 MPa

α<sub>D</sub>, α<sub>L</sub> 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.

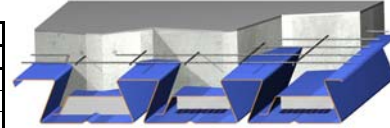
The loads in these tables are based on a Simple Span Design Analysis.

1840 KG/M<sup>3</sup> 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
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 (219.33)			171 mm (231.03)			178 mm (242.72)			184 mm (254.42)		
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)	8.40	14.85	19.71	8.32	15.23	20.70	8.18	15.57	21.69	7.99	15.86	22.69
	D+L (Deflection)	8.40	14.85	19.15	8.32	15.23	19.15	8.18	15.57	19.15	7.99	15.86	19.15
	L (Deflection)	8.40	14.85	17.90	8.32	15.23	19.15	8.18	15.57	19.15	7.99	15.86	19.15
4260	$\alpha_D D + \alpha_L L$ (Strength)	10.04	11.45	16.66	10.55	11.62	17.50	11.05	11.75	18.05	11.56	11.83	18.55
	D+L (Deflection)	10.04	11.45	16.66	10.55	11.62	17.50	11.05	11.75	18.05	11.56	11.83	18.55
	L (Deflection)	10.04	11.45	14.33	10.55	11.62	15.89	11.05	11.75	17.57	11.56	11.83	18.55
4570	$\alpha_D D + \alpha_L L$ (Strength)	8.42	10.44	13.61	8.84	10.97	13.97	9.27	11.49	14.29	9.69	12.02	14.57
	D+L (Deflection)	8.42	10.44	13.61	8.84	10.97	13.97	9.27	11.49	14.29	9.69	12.02	14.57
	L (Deflection)	8.42	10.39	11.65	8.84	10.97	12.92	9.27	11.49	14.28	9.69	12.02	14.57
4870	$\alpha_D D + \alpha_L L$ (Strength)	7.11	8.81	11.43	7.47	9.26	12.00	7.82	9.70	12.58	8.18	10.15	13.16
	D+L (Deflection)	7.11	8.81	11.43	7.47	9.26	12.00	7.82	9.70	12.58	8.18	10.15	13.16
	L (Deflection)	7.11	8.56	9.80	7.47	9.26	10.65	7.82	9.70	11.77	8.18	10.15	12.97
5180	$\alpha_D D + \alpha_L L$ (Strength)	6.03	7.48	9.80	6.34	7.86	10.30	6.64	8.24	10.79	6.94	8.61	11.29
	D+L (Deflection)	6.03	7.48	9.61	6.34	7.86	10.30	6.64	8.24	10.79	6.94	8.61	11.29
	L (Deflection)	6.03	7.14	8.01	6.34	7.86	8.88	6.64	8.24	9.81	6.94	8.61	10.81
5480	$\alpha_D D + \alpha_L L$ (Strength)	5.14	6.38	8.45	5.40	6.70	8.88	5.66	7.02	9.31	5.92	7.34	9.74
	D+L (Deflection)	5.14	6.38	7.72	5.40	6.70	8.70	5.66	7.02	9.31	5.92	7.34	9.74
	L (Deflection)	5.14	6.01	6.74	5.40	6.68	7.48	5.66	7.02	8.27	5.92	7.34	9.11
5790	$\alpha_D D + \alpha_L L$ (Strength)	4.39	5.45	7.32	4.61	5.73	7.69	4.84	6.00	8.07	5.06	6.28	8.44
	D+L (Deflection)	4.39	5.32	6.20	4.61	5.73	7.02	4.84	6.00	7.91	5.06	6.28	8.44
	L (Deflection)	4.39	5.11	5.73	4.61	5.68	6.36	4.84	6.00	7.03	5.06	6.28	7.75
6090	$\alpha_D D + \alpha_L L$ (Strength)	3.76	4.67	6.37	3.95	4.91	6.69	4.14	5.15	7.01	4.33	5.38	7.34
	D+L (Deflection)	3.45	4.23	4.98	3.95	4.84	5.66	4.14	5.15	6.41	4.33	5.38	7.22
	L (Deflection)	3.45	4.23	4.92	3.95	4.84	5.45	4.14	5.15	6.03	4.33	5.38	6.64
6400	$\alpha_D D + \alpha_L L$ (Strength)	3.22	4.01	5.55	3.39	4.21	5.83	3.55	4.42	6.11	3.71	4.62	6.40
	D+L (Deflection)	2.66	3.33	3.97	3.10	3.84	4.55	3.55	4.40	5.18	3.71	4.62	5.86
	L (Deflection)	2.66	3.33	3.97	3.10	3.84	4.55	3.55	4.40	5.18	3.71	4.62	5.74
6700	$\alpha_D D + \alpha_L L$ (Strength)	2.76	3.44	4.85	2.90	3.62	5.10	3.04	3.79	5.34	3.18	3.97	5.59
	D+L (Deflection)	2.02	2.59	3.14	2.38	3.02	3.63	2.79	3.49	4.16	3.18	3.97	4.74
	L (Deflection)	2.02	2.59	3.14	2.38	3.02	3.63	2.79	3.49	4.16	3.18	3.97	4.74
7010	$\alpha_D D + \alpha_L L$ (Strength)	2.37	2.95	4.25	2.49	3.10	4.46	2.60	3.25	4.68	2.37	3.40	4.89
	D+L (Deflection)	1.48	1.98	2.45	1.79	2.34	2.86	2.13	2.73	3.31	2.37	3.17	3.81
	L (Deflection)	1.48	1.98	2.45	1.79	2.34	2.86	2.13	2.73	3.31	2.37	3.17	3.81
7310	$\alpha_D D + \alpha_L L$ (Strength)	1.71	2.53	3.72	1.80	2.66	3.91	1.88	2.79	4.10	1.97	2.92	4.29
	D+L (Deflection)	1.03	1.46	1.87	1.28	1.76	2.22	1.57	2.10	2.60	1.88	2.47	3.02
	L (Deflection)	1.03	1.46	1.87	1.28	1.76	2.22	1.57	2.10	2.60	1.88	2.47	3.02
7610	$\alpha_D D + \alpha_L L$ (Strength)	1.41	2.16	3.26	1.48	2.27	3.43	1.55	2.38	3.59	1.62	2.49	3.76
	D+L (Deflection)	0.64	1.02	1.38	0.86	1.27	1.67	1.10	1.56	2.00	1.36	1.87	2.36
	L (Deflection)	0.64	1.02	1.38	0.86	1.27	1.67	1.10	1.56	2.00	1.36	1.87	2.36

**MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS**

	1span	2span	3span	cantilever
Concrete Volume ( $m^3/m^2$ )	0.119	0.125	0.132	0.138

3960	$\alpha_D D + \alpha_L L$ (Strength)	8.40	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	8.40	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	8.40	← 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

$\alpha_D, \alpha_L$  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),  $kg/m^2$

D Uniform dead load, kPa

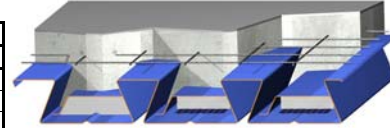
L Uniform live load, kPa

**1840  $KG/M^3$  CONCRETE**

SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I <sub>D</sub>	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 (266.12)			197 mm (277.82)			203 mm (289.51)			210 mm (301.21)		
Span (mm)	Load Combinations	GAGE											
		20	18	16	20	18	16	20	18	16	20	18	16
3960	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	7.73	16.11	23.68	15.11	16.31	23.94	15.72	16.45	23.94	16.33	16.55	23.94
	D+L (Deflection)	7.73	16.11	19.15	15.11	16.31	19.15	15.72	16.45	19.15	16.33	16.55	19.15
	L (Deflection)	7.73	16.11	19.15	15.11	16.31	19.15	15.72	16.45	19.15	16.33	16.55	19.15
4260	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	12.06	11.86	19.00	12.57	15.59	19.42	13.08	16.22	19.79	13.58	16.85	20.12
	D+L (Deflection)	12.06	11.86	19.00	12.57	15.59	19.15	13.08	16.22	19.15	13.58	16.85	19.15
	L (Deflection)	12.06	11.86	19.00	12.57	15.59	19.15	13.08	16.22	19.15	13.58	16.85	19.15
4570	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	10.12	12.55	14.86	10.54	13.08	16.79	10.97	13.60	17.47	11.39	14.13	18.14
	D+L (Deflection)	10.12	12.55	14.86	10.54	13.08	16.79	10.97	13.60	17.47	11.39	14.13	18.14
	L (Deflection)	10.12	12.55	14.86	10.54	13.08	16.79	10.97	13.60	17.47	11.39	14.13	18.14
4870	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	8.54	10.59	13.74	8.90	11.04	14.31	9.26	11.48	14.89	9.62	11.93	15.47
	D+L (Deflection)	8.54	10.59	13.74	8.90	11.04	14.31	9.26	11.48	14.89	9.62	11.93	15.47
	L (Deflection)	8.54	10.59	13.74	8.90	11.04	14.31	9.26	11.48	14.89	9.62	11.93	15.47
5180	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	7.25	8.99	11.79	7.55	9.37	12.28	7.86	9.75	12.78	8.16	10.13	13.27
	D+L (Deflection)	7.25	8.99	11.79	7.55	9.37	12.28	7.86	9.75	12.78	8.16	10.13	13.27
	L (Deflection)	7.25	8.99	11.79	7.55	9.37	12.28	7.86	9.75	12.78	8.16	10.13	13.27
5480	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	6.18	7.67	10.17	6.44	7.99	10.59	6.70	8.31	11.02	6.95	8.63	11.45
	D+L (Deflection)	6.18	7.67	10.17	6.44	7.99	10.59	6.70	8.31	11.02	6.95	8.63	11.45
	L (Deflection)	6.18	7.67	10.17	6.44	7.99	10.59	6.70	8.31	11.02	6.95	8.63	11.45
5790	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	5.28	6.56	8.81	5.50	6.83	9.18	5.72	7.11	9.55	5.94	7.38	9.92
	D+L (Deflection)	5.28	6.56	8.81	5.50	6.83	9.18	5.72	7.11	9.55	5.94	7.38	9.92
	L (Deflection)	5.28	6.56	8.81	5.50	6.83	9.18	5.72	7.11	9.55	5.94	7.38	9.92
6090	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	4.52	5.62	7.66	4.71	5.86	7.98	4.90	6.09	8.30	5.09	6.33	8.63
	D+L (Deflection)	4.52	5.62	7.66	4.71	5.86	7.98	4.90	6.09	8.30	5.09	6.33	8.63
	L (Deflection)	4.52	5.62	7.66	4.71	5.86	7.98	4.90	6.09	8.30	5.09	6.33	8.63
6400	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	3.88	4.82	6.68	4.04	5.03	6.96	4.20	5.23	7.24	4.36	5.43	7.52
	D+L (Deflection)	3.88	4.82	6.68	4.04	5.03	6.96	4.20	5.23	7.24	4.36	5.43	7.52
	L (Deflection)	3.88	4.82	6.68	4.04	5.03	6.96	4.20	5.23	7.24	4.36	5.43	7.52
6700	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	3.32	4.14	5.84	3.07	4.32	6.08	3.20	4.49	6.33	3.32	4.67	6.58
	D+L (Deflection)	3.32	4.14	5.84	3.07	4.32	6.08	3.20	4.49	6.33	3.32	4.67	6.58
	L (Deflection)	3.32	4.14	5.84	3.07	4.32	6.08	3.20	4.49	6.33	3.32	4.67	6.58
7010	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	2.47	3.55	5.11	2.58	3.70	5.33	2.68	3.85	5.54	2.78	4.00	5.76
	D+L (Deflection)	2.47	3.55	5.11	2.58	3.70	5.33	2.68	3.85	5.54	2.78	4.00	5.76
	L (Deflection)	2.47	3.55	5.11	2.58	3.70	5.33	2.68	3.85	5.54	2.78	4.00	5.76
7310	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	2.06	3.04	4.48	2.14	3.17	4.67	2.46	3.30	4.86	2.55	3.43	5.05
	D+L (Deflection)	2.06	3.04	4.48	2.14	3.17	4.67	2.46	3.30	4.86	2.55	3.43	5.05
	L (Deflection)	2.06	3.04	4.48	2.14	3.17	4.67	2.46	3.30	4.86	2.55	3.43	5.05
7610	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	1.90	2.60	3.92	1.98	2.71	4.09	2.06	2.82	4.26	2.14	2.93	4.42
	D+L (Deflection)	1.90	2.60	3.92	1.98	2.71	4.09	2.06	2.82	4.26	2.14	2.93	4.42
	L (Deflection)	1.90	2.60	3.92	1.98	2.71	4.09	2.06	2.82	4.26	2.14	2.93	4.42
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS													
1span	3970	4285	4540	3930	4245	4495	3885	4205	4455	3825	4165	4410	
2span	3375	4410	5260	3315	4335	5180	3255	4265	5095	3200	4195	5015	
3span	3500	4565	5320	3435	4485	5265	3375	4415	5220	3315	4345	5170	
cantilever	1770	2115	2270	1745	2090	2240	1725	2060	2215	1700	2035	2185	
Concrete Volume (m <sup>3</sup> /m <sup>2</sup> )	0.144			0.151			0.157			0.164			

3960	α <sub>D</sub> D+α <sub>L</sub> L (Strength)	7.73	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	7.73	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	7.73	← 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<sup>2</sup>

I<sub>D</sub> Moment of inertia for deflection per foot of deck width mm<sup>4</sup>/m

Sp Section modulus for positive bending per foot of deck width, mm<sup>3</sup>/m

Sn Section modulus for negative bending per foot of deck width, mm<sup>3</sup>/m

f<sub>c</sub> 21 MPa

α<sub>D</sub>, α<sub>L</sub> 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/m<sup>2</sup>

D Uniform dead load, kPa

L Uniform live load, kPa

1840 KG/M<sup>3</sup> CONCRETE