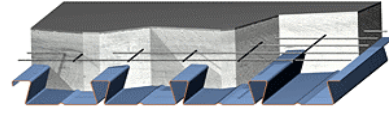


SECTION PROPERTIES

Fy = 276 MPa

GAGE	Wd	I _D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
22	10.90	555157	393153	383867	14.13	16.26	18.07	26.73	28.82	30.72
20	13.22	675466	493114	473586	20.11	23.06	25.54	37.95	40.82	43.43
18	17.48	897920	659170	661491	33.50	38.16	42.09	63.00	67.53	71.63
16	22.01	1136033	838335	843114	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)		102 mm (171.88)				108 mm (183.58)				114 mm (195.28)				121 mm (206.97)			
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)	15.26	20.54	22.15	23.87	15.78	21.84	23.92	23.94	16.20	22.82	23.94	23.94	16.51	23.70	23.94	23.94
	D+L (Deflection)	15.26	19.15	19.15	19.15	15.78	19.15	19.15	19.15	16.20	19.15	19.15	19.15	16.51	19.15	19.15	19.15
	L (Deflection)	15.26	19.15	19.15	19.15	15.78	19.15	19.15	19.15	16.20	19.15	19.15	19.15	16.51	19.15	19.15	19.15
2740	α _D D+α _L L (Strength)	16.07	14.07	19.69	21.22	17.37	14.54	21.26	22.91	18.66	14.91	22.83	23.94	19.96	15.17	23.94	23.94
	D+L (Deflection)	16.07	14.07	19.15	19.15	17.37	14.54	19.15	19.15	18.66	14.91	19.15	19.15	19.15	15.17	19.15	19.15
	L (Deflection)	13.73	14.07	16.64	18.35	16.18	14.54	19.15	19.15	18.66	14.91	19.15	19.15	19.15	15.17	19.15	19.15
3040	α _D D+α _L L (Strength)	14.33	15.01	15.20	19.10	15.48	16.23	15.81	20.62	16.64	17.44	16.34	22.15	17.80	18.66	16.77	23.70
	D+L (Deflection)	13.22	14.40	15.20	19.10	15.48	16.23	15.81	19.15	16.64	17.44	16.34	19.15	17.80	18.66	16.77	19.15
	L (Deflection)	10.01	10.81	12.13	13.38	11.80	12.73	14.27	15.71	13.78	14.86	16.34	18.31	15.98	17.21	16.77	19.15
3350	α _D D+α _L L (Strength)	11.51	12.38	10.66	15.63	12.94	13.90	15.33	16.32	14.45	15.52	17.05	16.93	16.03	16.81	18.25	17.43
	D+L (Deflection)	9.49	10.36	10.66	15.08	11.39	12.41	14.10	16.32	13.51	14.70	16.66	16.93	15.86	16.81	18.25	17.43
	L (Deflection)	7.52	8.12	9.11	10.05	8.86	9.56	10.72	11.81	10.36	11.17	12.50	13.76	12.00	12.93	14.47	15.90
3650	α _D D+α _L L (Strength)	9.23	9.95	11.03	11.94	10.40	11.20	12.39	13.39	11.64	12.53	13.84	14.95	12.95	13.94	15.39	16.61
	D+L (Deflection)	6.89	7.57	8.67	9.71	8.33	9.12	10.41	11.62	9.94	10.85	12.35	13.76	11.73	12.78	14.51	16.14
	L (Deflection)	5.79	6.26	7.02	7.74	6.83	7.37	8.26	9.09	7.98	8.60	9.63	10.60	9.24	9.96	11.14	12.26
3960	α _D D+α _L L (Strength)	7.45	8.06	8.97	9.73	8.42	9.10	10.10	10.94	9.45	10.20	11.31	12.24	10.54	11.38	12.60	13.65
	D+L (Deflection)	5.04	5.56	6.42	7.23	6.14	6.76	7.77	8.71	7.39	8.10	9.27	10.37	8.77	9.59	10.94	12.21
	L (Deflection)	4.56	4.92	5.52	6.09	5.37	5.79	6.49	7.15	6.27	6.76	7.57	8.33	7.27	7.83	8.76	9.62
4260	α _D D+α _L L (Strength)	6.04	6.56	7.33	7.98	6.85	7.43	8.28	9.00	7.71	8.36	9.31	10.10	8.63	9.34	10.39	11.25
	D+L (Deflection)	3.68	4.09	4.77	5.41	4.54	5.03	5.82	6.57	5.51	6.08	7.01	7.87	6.59	7.25	8.32	9.34
	L (Deflection)	3.65	3.94	4.42	4.87	4.30	4.64	5.20	5.73	5.02	5.42	6.06	6.67	5.82	6.27	7.02	7.71
4570	α _D D+α _L L (Strength)	4.90	5.35	6.01	6.57	5.58	6.08	6.82	7.44	6.31	6.87	7.69	8.37	7.09	7.70	8.61	9.38
	D+L (Deflection)	2.65	2.99	3.53	4.04	3.33	3.72	4.37	4.96	4.10	4.56	5.30	6.00	4.96	5.49	6.35	7.18
	L (Deflection)	2.65	2.99	3.53	3.96	3.33	3.72	4.23	4.66	4.08	4.40	4.93	5.42	4.73	5.10	5.71	6.27
4870	α _D D+α _L L (Strength)	3.97	4.36	4.93	5.41	4.54	4.98	5.62	6.15	5.16	5.65	6.36	6.95	5.82	6.36	7.15	7.80
	D+L (Deflection)	1.87	2.14	2.58	2.99	2.41	2.73	3.25	3.73	3.02	3.39	4.00	4.57	3.71	4.14	4.85	5.51
	L (Deflection)	1.87	2.14	2.58	2.99	2.41	2.73	3.25	3.73	3.02	3.39	4.00	4.47	3.71	4.14	4.70	5.17
5180	α _D D+α _L L (Strength)	3.19	3.54	4.04	4.46	3.68	4.07	4.63	5.09	4.21	4.64	5.26	5.78	4.56	5.25	5.94	6.51
	D+L (Deflection)	1.26	1.48	1.84	2.18	1.69	1.95	2.38	2.78	2.18	2.49	2.99	3.46	2.74	3.09	3.67	4.21
	L (Deflection)	1.26	1.48	1.84	2.18	1.69	1.95	2.38	2.78	2.18	2.49	2.99	3.46	2.74	3.09	3.67	4.21
5480	α _D D+α _L L (Strength)	2.87	2.85	3.29	3.65	3.16	3.30	3.79	4.20	3.45	3.79	4.34	4.79	3.74	4.32	4.93	5.41
	D+L (Deflection)	0.78	0.96	1.26	1.54	1.13	1.34	1.69	2.02	1.52	1.77	2.19	2.57	1.97	2.26	2.75	3.21
	L (Deflection)	0.78	0.96	1.26	1.54	1.13	1.34	1.69	2.02	1.52	1.77	2.19	2.57	1.97	2.26	2.75	3.21
5790	α _D D+α _L L (Strength)	2.32	2.26	2.65	2.98	2.56	2.65	3.09	3.45	2.81	3.08	3.56	3.96	3.05	4.18	4.07	4.50
	D+L (Deflection)	0.39	0.55	0.79	1.02	0.67	0.85	1.15	1.42	0.99	1.20	1.55	1.87	1.35	1.60	2.01	2.39
	L (Deflection)	0.39	0.55	0.79	1.02	0.67	0.85	1.15	1.42	0.99	1.20	1.55	1.87	1.35	1.60	2.01	2.39
6090	α _D D+α _L L (Strength)	1.86	2.38	2.11	2.40	2.06	2.76	2.49	2.80	2.26	3.16	2.90	3.25	2.46	3.48	3.34	3.73
	D+L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.70	0.93	0.56	0.74	1.03	1.30	0.86	1.07	1.41	1.72
	L (Deflection)	0.08	0.21	0.41	0.60	0.30	0.45	0.70	0.93	0.56	0.74	1.03	1.30	0.86	1.07	1.41	1.72
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2600	3005	3360	3610	2545	2945	3295	3540	2495	2885	3235	3480	2450	2830	3175	3415	
2span	2650	3035	3660	4110	2590	2970	3605	4025	2535	2910	3530	3965	2485	2855	3480	3910	
3span	2740	3140	3790	4230	2680	3075	3715	4160	2625	3015	3660	4100	2575	2955	3585	4040	
cantilever	930	1090	1400	1660	915	1075	1380	1630	905	1065	1355	1605	895	1050	1335	1580	
Concrete Volume (m ³ /m ²)	0.093				0.100				0.106				0.112				

2430	α _D D+α _L L (Strength)	15.26
	D+L (Deflection)	15.26
	L (Deflection)	15.26

- ← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
- ← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
- ← 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

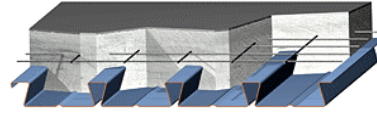
L Uniform live load, kPa

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	10.90	555157	393153	383867	14.13	16.26	18.07	26.73	28.82	30.72
20	13.22	675466	493114	473586	20.11	23.06	25.54	37.95	40.82	43.43
18	17.48	897920	659170	661491	33.50	38.16	42.09	63.00	67.53	71.63
16	22.01	1136033	838335	843114	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	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)	21.26	15.32	23.94	23.94	22.55	23.65	23.94	23.94	23.85	23.94	23.94	23.94	23.94	23.94	23.94	23.94
	D+L (Deflection)	19.15	15.32	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	15.32	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)	18.96	19.88	17.09	23.94	20.11	21.10	17.29	23.94	21.27	22.32	23.94	23.94	22.43	23.53	23.94	23.94
	D+L (Deflection)	18.96	19.15	17.09	19.15	19.15	19.15	17.29	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	18.38	19.15	17.09	19.15	19.15	19.15	17.29	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)	17.07	17.91	19.45	17.86	18.12	19.01	20.65	22.38	19.16	20.11	21.84	23.69	20.20	21.21	23.04	23.94
	D+L (Deflection)	17.07	17.91	19.15	17.86	18.12	19.01	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	13.81	14.87	16.62	17.86	15.78	16.99	18.98	19.15	17.93	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3650	α _D D+ α _L L (Strength)	14.33	15.42	17.02	18.35	15.78	16.98	18.73	20.20	17.29	18.27	19.86	21.55	18.35	19.27	20.95	22.74
	D+L (Deflection)	13.70	14.90	16.89	18.35	15.78	16.98	18.73	19.15	17.29	18.27	19.15	19.15	18.35	19.15	19.15	19.15
	L (Deflection)	10.64	11.46	12.81	14.08	12.16	13.09	14.62	16.06	13.81	14.86	16.59	18.22	15.60	16.78	18.73	19.15
3960	α _D D+ α _L L (Strength)	11.69	12.61	13.97	15.09	12.90	13.91	15.40	16.64	14.16	15.27	16.90	18.26	15.48	16.69	18.47	19.95
	D+L (Deflection)	10.29	11.24	12.79	14.24	11.97	13.05	14.81	16.47	13.81	15.02	16.90	18.26	15.48	16.69	18.47	19.15
	L (Deflection)	8.37	9.01	10.07	11.07	9.56	10.29	11.50	12.63	10.86	11.69	13.05	14.33	12.27	13.20	14.73	16.17
4260	α _D D+ α _L L (Strength)	9.60	10.39	11.54	12.51	10.61	11.48	12.75	13.81	11.68	12.63	14.02	15.18	12.79	13.82	15.35	16.62
	D+L (Deflection)	7.79	8.54	9.78	10.93	9.11	9.97	11.38	12.70	10.56	11.53	13.12	14.62	12.14	13.23	15.02	16.62
	L (Deflection)	6.70	7.21	8.06	8.86	7.66	8.24	9.21	10.12	8.70	9.36	10.45	11.48	9.83	10.57	11.79	12.95
4570	α _D D+ α _L L (Strength)	7.91	8.59	9.59	10.42	8.77	9.52	10.62	11.53	9.67	10.50	11.70	12.71	10.62	11.52	12.84	13.93
	D+L (Deflection)	5.91	6.52	7.51	8.45	6.97	7.66	8.79	9.86	8.12	8.90	10.19	11.40	9.38	10.26	11.72	13.08
	L (Deflection)	5.45	5.86	6.56	7.21	6.23	6.70	7.49	8.22	7.07	7.61	8.49	9.33	7.99	8.59	9.59	10.53
4870	α _D D+ α _L L (Strength)	5.97	7.12	7.99	8.71	6.40	7.92	8.88	9.67	6.84	8.75	9.81	10.68	7.28	9.63	10.78	11.73
	D+L (Deflection)	4.48	4.97	5.78	6.54	5.33	5.89	6.82	7.69	6.26	6.90	7.95	8.94	7.28	8.00	9.19	10.30
	L (Deflection)	4.48	4.83	5.40	5.94	5.13	5.52	6.17	6.78	5.83	6.27	7.00	7.69	6.58	7.08	7.90	8.67
5180	α _D D+ α _L L (Strength)	4.92	5.90	6.66	7.30	5.28	6.59	7.43	8.12	5.65	7.31	8.23	9.00	6.01	8.06	9.07	9.91
	D+L (Deflection)	3.36	3.77	4.44	5.06	4.05	4.51	5.28	6.00	4.80	5.33	6.20	7.02	5.63	6.23	7.21	8.14
	L (Deflection)	3.36	3.77	4.44	4.95	4.05	4.51	5.14	5.65	4.80	5.23	5.84	6.41	5.49	5.90	6.59	7.23
5480	α _D D+ α _L L (Strength)	4.04	4.88	5.55	6.11	4.35	5.47	6.22	6.83	4.65	6.21	6.91	7.59	4.96	6.62	7.64	8.38
	D+L (Deflection)	2.47	2.81	3.37	3.89	3.04	3.42	4.06	4.66	3.66	4.10	4.82	5.51	4.34	4.84	5.66	6.43
	L (Deflection)	2.47	2.81	3.37	3.89	3.04	3.42	4.06	4.66	3.66	4.10	4.82	5.40	4.34	4.84	5.55	6.09
5790	α _D D+ α _L L (Strength)	3.30	4.52	4.61	5.10	3.55	4.86	5.19	5.73	3.81	5.21	5.80	6.39	4.06	5.55	6.43	7.09
	D+L (Deflection)	1.77	2.05	2.52	2.96	2.23	2.55	3.09	3.59	2.74	3.11	3.72	4.29	3.30	3.72	4.41	5.06
	L (Deflection)	1.77	2.05	2.52	2.96	2.23	2.55	3.09	3.59	2.74	3.11	3.72	4.29	3.30	3.72	4.41	5.06
6090	α _D D+ α _L L (Strength)	2.67	3.77	3.81	4.25	2.88	4.06	4.31	4.80	3.09	4.35	4.84	5.38	3.29	4.64	5.40	5.99
	D+L (Deflection)	1.19	1.43	1.83	2.20	1.57	1.85	2.30	2.73	1.99	2.31	2.83	3.31	2.46	2.82	3.40	3.95
	L (Deflection)	1.19	1.43	1.83	2.20	1.57	1.85	2.30	2.73	1.99	2.31	2.83	3.31	2.46	2.82	3.40	3.95
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2410	2775	3125	3360	2365	2730	3070	3305	2325	2680	3025	3260	2290	2635	2985	3215	
2span	2435	2800	3425	3830	2390	2750	3355	3770	2345	2700	3305	3715	2305	2655	3250	3660	
3span	2520	2895	3535	3955	2475	2845	3480	3900	2430	2795	3420	3840	2385	2745	3360	3785	
cantilever	885	1035	1315	1560	875	1020	1300	1535	865	1010	1285	1510	855	1000	1265	1495	
Concrete Volume (m ³ /m ²)	0.119				0.125				0.131				0.138				

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
- 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.

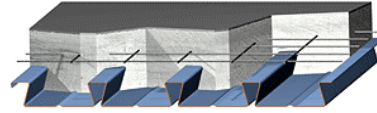
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design 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	10.90	555157	393153	383867	14.13	16.26	18.07	26.73	28.82	30.72
20	13.22	675466	493114	473586	20.11	23.06	25.54	37.95	40.82	43.43
18	17.48	897920	659170	661491	33.50	38.16	42.09	63.00	67.53	71.63
16	22.01	1136033	838335	843114	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)	23.94	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
3350	α _D D+ α _L L (Strength)	21.25	22.31	23.94	23.94	22.29	23.41	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
3650	α _D D+ α _L L (Strength)	19.30	20.27	22.04	23.93	20.25	21.27	23.14	23.94	21.20	22.27	23.94	23.94	22.15	23.27	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)	17.54	18.85	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)	16.84	18.16	20.10	21.71	18.26	19.46	21.18	23.01	19.36	20.38	22.19	23.94	20.26	21.30	23.19	23.94
	D+L (Deflection)	16.84	18.16	19.15	19.15	18.26	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	13.80	14.83	16.54	18.16	15.43	16.58	18.48	19.15	19.15	19.15	18.46	19.15	19.07	19.15	19.15	19.15
4260	α _D D+ α _L L (Strength)	13.94	15.07	16.73	18.12	15.14	16.36	18.17	19.67	16.19	17.70	19.66	21.28	17.01	19.08	21.19	22.96
	D+L (Deflection)	13.85	15.07	16.73	18.12	15.14	16.36	18.17	19.15	16.19	17.70	19.15	19.15	17.01	19.08	19.15	19.15
	L (Deflection)	11.05	11.87	13.24	14.54	12.36	13.27	14.80	16.24	13.76	14.78	16.47	18.07	15.27	16.39	18.25	19.15
4570	α _D D+ α _L L (Strength)	9.33	12.58	14.02	15.21	9.87	13.68	15.24	16.54	10.40	14.82	16.52	17.93	10.93	16.00	17.83	19.36
	D+L (Deflection)	9.33	11.74	13.37	14.90	9.87	13.34	15.15	16.54	10.40	14.82	16.52	17.93	10.93	16.00	17.83	19.15
	L (Deflection)	8.98	9.65	10.77	11.82	9.87	10.79	12.03	13.21	10.40	12.02	13.39	14.69	10.93	13.32	14.84	16.28
4870	α _D D+ α _L L (Strength)	7.72	10.54	11.79	12.84	8.16	11.48	12.85	13.99	8.60	12.47	13.95	15.18	9.05	13.48	15.08	16.42
	D+L (Deflection)	7.72	9.19	10.53	11.78	8.16	10.49	11.98	13.38	8.60	11.88	13.54	15.10	9.05	13.38	15.08	16.42
	L (Deflection)	7.40	7.95	8.87	9.74	8.16	8.89	9.91	10.88	8.60	9.90	11.03	12.11	9.05	10.98	12.23	13.41
5180	α _D D+ α _L L (Strength)	6.38	8.85	9.95	10.87	6.75	8.85	10.87	11.87	7.12	9.34	11.82	12.90	7.48	9.83	12.81	13.98
	D+L (Deflection)	6.38	7.21	8.31	9.35	6.75	8.27	9.50	10.67	7.12	9.34	10.79	12.09	7.48	9.83	12.17	13.61
	L (Deflection)	6.17	6.63	7.40	8.12	6.75	7.41	8.27	9.07	7.12	8.25	9.20	10.09	7.48	9.15	10.19	11.18
5480	α _D D+ α _L L (Strength)	5.26	7.03	8.41	9.22	5.57	7.44	9.21	10.09	5.87	7.86	10.04	10.99	6.18	8.27	10.90	11.93
	D+L (Deflection)	5.08	5.64	6.57	7.44	5.57	6.52	7.55	8.52	5.87	7.46	8.61	9.70	6.18	8.27	9.76	10.96
	L (Deflection)	5.08	5.59	6.23	6.84	5.57	6.25	6.96	7.64	5.87	6.95	7.75	8.50	6.18	7.71	8.59	9.42
5790	α _D D+ α _L L (Strength)	4.31	5.90	7.10	7.82	4.57	6.25	7.80	8.58	4.82	6.60	8.53	9.38	5.07	6.95	9.28	10.20
	D+L (Deflection)	3.92	4.39	5.17	5.90	4.57	5.11	5.99	6.81	4.82	5.90	6.87	7.79	5.07	6.75	7.83	8.85
	L (Deflection)	3.92	4.39	5.17	5.82	4.57	5.11	5.92	6.50	4.82	5.90	6.59	7.23	5.07	6.56	7.30	8.01
6090	α _D D+ α _L L (Strength)	3.50	4.94	5.99	6.63	3.71	5.23	6.60	7.30	3.92	5.53	7.24	8.00	4.12	5.82	7.90	8.73
	D+L (Deflection)	2.97	3.37	4.03	4.66	3.53	3.98	4.72	5.42	3.92	4.64	5.46	6.24	4.12	5.35	6.27	7.13
	L (Deflection)	2.97	3.37	4.03	4.66	3.53	3.98	4.72	5.42	3.92	4.64	5.46	6.20	4.12	5.35	6.26	6.87
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2255	2595	2940	3165	2220	2555	2900	3125	2190	2520	2865	3085	2160	2480	2830	3050	
2span	2265	2610	3195	3605	2225	2565	3150	3550	2190	2525	3105	3515	2155	2485	3055	3465	
3span	2345	2700	3310	3725	2305	2655	3260	3670	2265	2615	3210	3635	2230	2575	3160	3580	
cantilever	845	990	1250	1470	840	975	1235	1455	830	965	1220	1435	820	955	1205	1420	
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/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