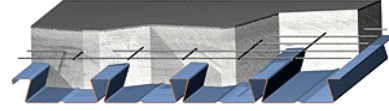


SECTION PROPERTIES $F_y = 276 \text{ MPa}$

GAGE	Wd	I_D	Sp	Sn	Rbe			Rbi		
					51 mm	76 mm	102 mm	102 mm	127 mm	152 mm
22	10.90	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																	
Span (mm)	h (Wc)	102 mm (216.72)				108 mm (231.47)				114 mm (246.22)				121 mm (260.97)			
		GAGE															
Load Combinations		22	20	18	16	22	20	18	16	22	20	18	16	22	20	18	16
2430	$\alpha_D D + \alpha_L L$ (Strength)	18.07	18.76	22.40	23.94	19.53	19.40	23.94	23.94	20.98	19.90	23.94	23.94	22.43	20.26	23.94	23.94
	D+L (Deflection)	18.07	18.76	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)	18.07	18.76	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)	15.57	11.80	19.54	21.49	17.15	18.01	20.30	23.20	18.43	19.35	20.93	23.94	19.70	20.70	21.43	23.94
	D+L (Deflection)	15.57	11.80	19.15	19.15	17.15	18.01	19.15	19.15	18.43	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	15.57	11.80	19.15	19.15	17.15	18.01	19.15	19.15	18.43	19.15	19.15	19.15	19.15	19.15	19.15	19.15
3040	$\alpha_D D + \alpha_L L$ (Strength)	11.95	12.95	13.15	19.34	13.46	14.57	13.34	20.36	15.05	16.29	18.12	21.04	16.74	18.10	20.06	21.59
	D+L (Deflection)	11.95	12.95	13.15	19.15	13.46	14.57	13.34	19.15	15.05	16.29	18.12	19.15	16.74	18.10	19.15	19.15
	L (Deflection)	11.95	12.95	13.15	16.36	13.46	14.57	13.34	19.15	15.05	16.29	18.12	19.15	16.74	18.10	19.15	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	9.27	10.09	11.31	13.75	10.48	11.39	12.74	13.89	11.76	12.77	14.28	15.55	13.11	14.23	15.90	17.33
	D+L (Deflection)	9.27	10.09	11.31	13.75	10.48	11.39	12.74	13.89	11.76	12.77	14.28	15.55	13.11	14.23	15.90	17.33
	L (Deflection)	9.27	10.03	11.19	12.29	10.48	11.39	12.74	13.89	11.76	12.77	14.28	15.55	13.11	14.23	15.90	17.33
3650	$\alpha_D D + \alpha_L L$ (Strength)	7.23	7.91	8.93	9.79	8.21	8.97	10.10	11.05	9.25	10.10	11.35	12.41	10.35	11.29	12.68	13.84
	D+L (Deflection)	7.23	7.91	8.93	9.79	8.21	8.97	10.10	11.05	9.25	10.10	11.35	12.41	10.35	11.29	12.68	13.84
	L (Deflection)	7.19	7.73	8.62	9.47	8.21	8.97	10.10	11.05	9.25	10.10	11.35	12.41	10.35	11.29	12.68	13.84
3960	$\alpha_D D + \alpha_L L$ (Strength)	5.65	6.22	7.08	7.80	6.45	7.09	8.04	8.84	7.30	8.01	9.07	9.97	8.20	9.00	10.17	11.16
	D+L (Deflection)	5.65	6.22	7.08	7.80	6.45	7.09	8.04	8.84	7.30	8.01	9.07	9.97	8.20	9.00	10.17	11.16
	L (Deflection)	5.65	6.08	6.78	7.45	6.45	7.09	7.98	8.76	7.30	8.01	9.07	9.97	8.20	9.00	10.17	11.16
4260	$\alpha_D D + \alpha_L L$ (Strength)	4.39	4.88	5.61	6.22	5.05	5.60	6.41	7.09	5.75	6.36	7.27	8.03	6.50	7.18	8.18	9.05
	D+L (Deflection)	4.39	4.88	5.61	6.22	5.05	5.60	6.41	7.09	5.75	6.36	7.27	8.03	6.50	7.18	8.18	9.05
	L (Deflection)	4.39	4.87	5.43	5.96	5.05	5.60	6.39	7.02	5.75	6.36	7.27	8.03	6.50	7.18	8.18	9.05
4570	$\alpha_D D + \alpha_L L$ (Strength)	3.37	3.80	4.42	4.95	3.92	4.39	5.09	5.68	4.50	5.03	5.81	6.46	6.03	6.57	7.33	8.05
	D+L (Deflection)	3.29	3.67	4.32	4.93	3.92	4.39	5.09	5.68	4.50	5.03	5.81	6.46	6.03	6.57	7.33	8.05
	L (Deflection)	3.29	3.67	4.32	4.85	3.92	4.39	5.09	5.68	4.50	5.03	5.81	6.46	6.03	6.57	7.33	8.05
4870	$\alpha_D D + \alpha_L L$ (Strength)	2.54	2.91	3.45	3.90	3.80	3.41	4.01	4.52	4.34	3.94	4.62	5.18	4.91	4.51	5.27	5.89
	D+L (Deflection)	2.32	2.63	3.15	3.65	2.99	3.36	3.98	4.52	3.76	3.94	4.62	5.18	4.63	4.51	5.27	5.89
	L (Deflection)	2.32	2.63	3.15	3.65	2.99	3.36	3.98	4.52	3.76	3.94	4.62	5.18	4.63	4.51	5.27	5.89
5180	$\alpha_D D + \alpha_L L$ (Strength)	2.61	2.18	2.65	3.04	3.04	2.59	3.12	3.56	3.49	3.04	3.63	4.12	3.97	3.52	4.18	4.74
	D+L (Deflection)	1.56	1.82	2.25	2.65	2.10	2.40	2.91	3.39	2.72	3.04	3.63	4.12	3.41	3.52	4.18	4.74
	L (Deflection)	1.56	1.82	2.25	2.65	2.10	2.40	2.91	3.39	2.72	3.04	3.63	4.12	3.41	3.52	4.18	4.74
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.04	1.56	1.97	2.32	2.39	1.90	2.37	2.76	2.78	3.14	2.80	3.23	3.19	3.60	3.27	3.73
	D+L (Deflection)	0.96	1.18	1.53	1.86	1.39	1.65	2.07	2.46	1.89	2.19	2.68	3.14	2.46	2.80	3.27	3.73
	L (Deflection)	0.96	1.18	1.53	1.86	1.39	1.65	2.07	2.46	1.89	2.19	2.68	3.14	2.46	2.80	3.27	3.73
5790	$\alpha_D D + \alpha_L L$ (Strength)	1.55	1.81	1.40	1.70	1.85	2.14	1.74	2.07	2.18	2.50	2.10	2.48	2.49	2.89	2.49	2.92
	D+L (Deflection)	0.48	0.66	0.96	1.23	0.83	1.04	1.39	1.72	1.23	1.48	1.89	2.28	1.69	1.98	2.45	2.92
	L (Deflection)	0.48	0.66	0.96	1.23	0.83	1.04	1.39	1.72	1.23	1.48	1.89	2.28	1.69	1.98	2.45	2.92
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.13	1.36	0.92	1.18	1.39	1.65	1.19	1.49	1.67	1.96	1.50	1.84	1.88	2.29	1.83	2.20
	D+L (Deflection)	0.10	0.25	0.49	0.72	0.37	0.55	0.84	1.12	0.70	0.90	1.25	1.58	1.07	1.31	1.71	2.11
	L (Deflection)	0.10	0.25	0.49	0.72	0.37	0.55	0.84	1.12	0.70	0.90	1.25	1.58	1.07	1.31	1.71	2.11
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2415	2785	3135	3370	2360	2720	3070	3305	2315	2665	3010	3240	2270	2610	2955	3185	
2span	2445	2810	3425	3855	2385	2745	3355	3765	2330	2685	3285	3690	2280	2625	3220	3635	
3span	2530	2910	3540	3985	2470	2840	3470	3890	2415	2780	3400	3815	2360	2720	3330	3755	
cantilever	885	1035	1320	1560	870	1020	1300	1535	865	1005	1275	1505	850	990	1255	1480	
Concrete Volume (m^3/m^2)	0.093				0.100				0.106				0.112				

2430	$\alpha_D D + \alpha_L L$ (Strength)	18.07	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	18.07	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	18.07	← 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.

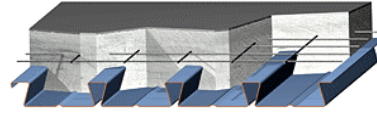
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design of Composite Slabs (CSSBI S3-2002), September 2003. The loads in these tables are based on a Simple Span Design Analysis.

2320 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 (275.72)				133 mm (290.47)				140 mm (305.21)				146 mm (319.96)			
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)	23.88	20.47	23.94	23.94	23.94	20.52	23.94	23.94	23.94	20.41	23.94	23.94	23.94	20.41	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)	20.98	22.04	21.79	23.94	22.26	23.39	22.00	23.94	23.53	23.94	22.05	23.94	23.94	23.94	21.95	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)	18.50	19.62	21.37	22.02	19.80	20.82	22.68	22.31	20.94	22.02	23.94	23.94	22.07	23.21	23.94	23.94
	D+L (Deflection)	18.50	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)	18.50	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)	14.53	15.77	17.61	19.17	16.02	17.38	19.40	21.11	17.57	19.06	21.28	23.15	19.19	20.81	22.76	23.94
	D+L (Deflection)	14.53	15.77	17.61	19.15	16.02	17.38	19.15	19.15	17.57	19.06	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	14.53	15.77	17.61	19.15	16.02	17.38	19.15	19.15	17.57	19.06	19.15	19.15	19.15	19.15	19.15	19.15
3650	α _D D+ α _L L (Strength)	11.51	12.54	14.08	15.38	12.72	13.86	15.55	16.98	13.99	15.24	17.09	18.65	15.31	16.67	18.69	20.40
	D+L (Deflection)	11.51	12.54	14.08	15.38	12.72	13.86	15.55	16.98	13.99	15.24	17.09	18.65	15.31	16.67	18.69	19.15
	L (Deflection)	11.51	12.54	14.08	15.38	12.72	13.86	15.55	16.98	13.99	15.24	17.09	18.65	15.31	16.67	18.69	19.15
3960	α _D D+ α _L L (Strength)	9.16	10.03	11.33	12.43	10.16	11.12	12.55	13.76	11.20	12.26	13.83	15.15	12.30	13.45	15.16	16.61
	D+L (Deflection)	9.16	10.03	11.33	12.43	10.16	11.12	12.55	13.76	11.20	12.26	13.83	15.15	12.30	13.45	15.16	16.61
	L (Deflection)	9.16	10.03	11.33	12.43	10.16	11.12	12.55	13.76	11.20	12.26	13.83	15.15	12.30	13.45	15.16	16.61
4260	α _D D+ α _L L (Strength)	7.29	8.04	9.15	10.09	8.12	8.95	10.17	11.20	8.99	9.90	11.24	12.37	10.13	10.89	12.36	13.60
	D+L (Deflection)	7.29	8.04	9.15	10.09	8.12	8.95	10.17	11.20	8.99	9.90	11.24	12.37	10.13	10.89	12.36	13.60
	L (Deflection)	7.29	8.04	9.15	10.09	8.12	8.95	10.17	11.20	8.99	9.90	11.24	12.37	10.13	10.89	12.36	13.60
4570	α _D D+ α _L L (Strength)	6.74	6.43	7.39	8.20	7.24	7.20	8.25	9.14	7.72	7.99	9.16	10.13	8.21	8.83	10.10	11.17
	D+L (Deflection)	6.74	6.43	7.39	8.20	7.24	7.20	8.25	9.14	7.72	7.99	9.16	10.13	8.21	8.83	10.10	11.17
	L (Deflection)	6.74	6.43	7.39	8.20	7.24	7.20	8.25	9.14	7.72	7.99	9.16	10.13	8.21	8.83	10.10	11.17
4870	α _D D+ α _L L (Strength)	5.45	5.12	5.95	6.65	5.85	5.76	6.68	7.45	6.24	6.44	7.45	8.30	6.64	8.26	8.25	9.18
	D+L (Deflection)	5.45	5.12	5.95	6.65	5.85	5.76	6.68	7.45	6.24	6.44	7.45	8.30	6.64	8.26	8.25	9.18
	L (Deflection)	5.45	5.12	5.95	6.65	5.85	5.76	6.68	7.45	6.24	6.44	7.45	8.30	6.64	8.26	8.25	9.18
5180	α _D D+ α _L L (Strength)	4.37	4.99	4.76	5.37	4.69	5.58	5.38	6.06	5.02	6.21	6.03	6.78	5.34	6.86	6.72	7.54
	D+L (Deflection)	4.19	4.67	4.76	5.37	4.69	5.58	5.38	6.06	5.02	6.21	6.03	6.78	5.34	6.86	6.72	7.54
	L (Deflection)	4.19	4.67	4.76	5.37	4.69	5.58	5.38	6.06	5.02	6.21	6.03	6.78	5.34	6.86	6.72	7.54
5480	α _D D+ α _L L (Strength)	3.47	4.08	3.76	4.30	3.73	4.59	4.29	4.88	3.99	5.12	4.85	5.50	4.25	5.68	5.44	6.16
	D+L (Deflection)	3.09	3.48	3.76	4.30	3.73	4.25	4.29	4.88	3.99	5.09	4.85	5.50	4.25	5.68	5.44	6.16
	L (Deflection)	3.09	3.48	3.76	4.30	3.73	4.25	4.29	4.88	3.99	5.09	4.85	5.50	4.25	5.68	5.44	6.16
5790	α _D D+ α _L L (Strength)	2.70	3.31	2.92	3.39	2.91	3.74	3.37	3.89	3.12	4.21	3.84	4.43	3.32	4.69	4.35	4.99
	D+L (Deflection)	2.21	2.54	2.92	3.39	2.79	3.16	3.37	3.89	3.12	3.86	3.84	4.43	3.32	4.62	4.35	4.99
	L (Deflection)	2.21	2.54	2.92	3.39	2.79	3.16	3.37	3.89	3.12	3.86	3.84	4.43	3.32	4.62	4.35	4.99
6090	α _D D+ α _L L (Strength)	2.05	2.65	2.19	2.62	2.21	3.02	2.58	3.05	2.37	3.42	4.06	3.51	2.54	3.85	4.55	3.99
	D+L (Deflection)	1.49	1.77	2.19	2.62	1.97	2.29	2.58	3.05	2.37	2.86	3.47	3.51	2.54	3.50	4.19	3.99
	L (Deflection)	1.49	1.77	2.19	2.62	1.97	2.29	2.58	3.05	2.37	2.86	3.47	3.51	2.54	3.50	4.19	3.99
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span		2225	2560	2910	3130	2185	2510	2860	3080	2145	2465	2815	3035	2110	2425	2775	2990
2span		2230	2575	3155	3560	2185	2520	3095	3510	2140	2470	3040	3440	2095	2425	2985	3385
3span		2305	2665	3265	3680	2260	2610	3200	3625	2215	2555	3140	3555	2170	2510	3090	3500
cantilever		840	980	1235	1455	830	965	1220	1435	815	955	1200	1410	810	940	1185	1395
Concrete Volume (m ³ /m ²)		0.119				0.125				0.131				0.138			

2430	α _D D+ α _L L (Strength)	23.88	← 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.

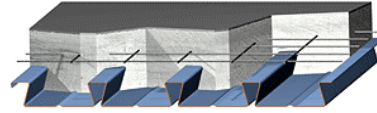
The section property table is based on 2001 AISI's Cold-Formed Steel Design Manual, 2004 Supplement. The live loads and unshored construction clear spans are based on the Canadian Sheet Steel Building Institute's Standard for Composite Steel Deck (CSSBI 12M-06), September 2006 and Criteria for the Design of Composite Slabs (CSSBI S3-2002), September 2003. The loads in these tables are based on a Simple Span Design Analysis.

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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 (334.71)				159 mm (349.46)				165 mm (364.21)				171 mm (378.96)			
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)	23.21	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)	20.86	21.95	23.94	23.94	21.88	23.03	23.94	23.94	22.91	23.94	23.94	23.94	23.93	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)	16.68	18.16	20.36	22.22	18.11	19.70	22.09	23.94	19.58	21.30	23.87	23.94	21.09	22.84	23.94	23.94
	D+L (Deflection)	16.68	18.16	19.15	19.15	18.11	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	16.68	18.16	19.15	19.15	18.11	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)	13.43	14.68	16.55	18.13	14.61	15.97	17.99	19.70	15.83	17.30	19.48	21.34	15.45	18.67	21.03	23.03
	D+L (Deflection)	13.43	14.68	16.55	18.13	14.61	15.97	17.99	19.15	15.83	17.30	19.15	19.15	15.45	18.67	19.15	19.15
	L (Deflection)	13.43	14.68	16.55	18.13	14.61	15.97	17.99	19.15	15.83	17.30	19.15	19.15	15.45	18.67	19.15	19.15
4260	α _D D+ α _L L (Strength)	10.73	11.93	13.53	14.88	11.33	13.00	14.74	16.20	11.92	14.12	15.99	17.58	12.52	15.27	17.29	19.01
	D+L (Deflection)	10.73	11.93	13.53	14.88	11.33	13.00	14.74	16.20	11.92	14.12	15.99	17.58	12.52	15.27	17.29	19.01
	L (Deflection)	10.73	11.93	13.53	14.88	11.33	13.00	14.74	16.20	11.92	14.12	15.99	17.58	12.52	15.27	17.29	19.01
4570	α _D D+ α _L L (Strength)	8.70	9.70	11.09	12.25	9.19	10.61	12.11	13.38	9.67	11.55	13.18	14.55	10.16	13.30	14.28	15.77
	D+L (Deflection)	8.70	9.70	11.09	12.25	9.19	10.61	12.11	13.38	9.67	11.55	13.18	14.55	10.16	13.30	14.28	15.77
	L (Deflection)	8.70	9.70	11.09	12.25	9.19	10.61	12.11	13.38	9.67	11.55	13.18	14.55	10.16	13.30	14.28	15.77
4870	α _D D+ α _L L (Strength)	7.04	9.04	9.09	10.11	7.43	9.86	9.97	11.07	7.83	10.45	10.88	12.07	8.22	10.99	11.82	13.11
	D+L (Deflection)	7.04	9.04	9.09	10.11	7.43	9.86	9.97	11.07	7.83	10.45	10.88	12.07	8.22	10.99	11.82	13.11
	L (Deflection)	7.04	9.04	9.09	10.11	7.43	9.86	9.97	11.07	7.83	10.45	10.88	12.07	8.22	10.99	11.82	13.11
5180	α _D D+ α _L L (Strength)	5.66	7.53	7.44	8.33	5.98	8.18	8.19	9.16	6.30	8.63	8.97	10.02	6.62	9.07	9.77	10.91
	D+L (Deflection)	5.66	7.53	7.44	8.33	5.98	8.18	8.19	9.16	6.30	8.63	8.97	10.02	6.62	9.07	9.77	10.91
	L (Deflection)	5.66	7.53	7.44	8.33	5.98	8.18	8.19	9.16	6.30	8.63	8.97	10.02	6.62	9.07	9.77	10.91
5480	α _D D+ α _L L (Strength)	4.51	6.27	6.05	6.84	4.76	6.73	6.69	7.55	5.02	7.10	7.37	8.30	5.27	7.46	8.06	9.07
	D+L (Deflection)	4.51	6.27	6.05	6.84	4.76	6.73	6.69	7.55	5.02	7.10	7.37	8.30	5.27	7.46	8.06	9.07
	L (Deflection)	4.51	6.27	6.05	6.84	4.76	6.73	6.69	7.55	5.02	7.10	7.37	8.30	5.27	7.46	8.06	9.07
5790	α _D D+ α _L L (Strength)	3.53	5.20	4.88	5.58	3.73	5.50	6.66	6.20	3.94	5.80	7.28	6.84	4.14	6.10	7.94	7.51
	D+L (Deflection)	3.53	5.20	4.88	5.58	3.73	5.50	6.66	6.20	3.94	5.80	7.28	6.84	4.14	6.10	7.94	7.51
	L (Deflection)	3.53	5.20	4.88	5.58	3.73	5.50	6.66	6.20	3.94	5.80	7.28	6.84	4.14	6.10	7.94	7.51
6090	α _D D+ α _L L (Strength)	2.70	4.20	5.05	4.50	2.85	4.45	5.58	5.04	3.01	4.70	6.13	5.60	4.80	4.94	6.70	6.18
	D+L (Deflection)	2.70	4.20	4.97	4.50	2.85	4.45	5.58	5.04	3.01	4.70	6.13	5.60	4.80	4.94	6.70	6.18
	L (Deflection)	2.70	4.20	4.97	4.50	2.85	4.45	5.58	5.04	3.01	4.70	6.13	5.60	4.80	4.94	6.70	6.18

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)

	2075	2385	2735	2945	2045	2345	2695	2910	2015	2310	2660	2870	1985	2275	2625	2835
1span	2075	2385	2735	2945	2045	2345	2695	2910	2015	2310	2660	2870	1985	2275	2625	2835
2span	2055	2380	2930	3335	2020	2340	2885	3285	1985	2300	2835	3235	1950	2260	2790	3190
3span	2190	2465	3035	3445	2090	2420	2980	3395	2055	2380	2930	3345	2020	2340	2885	3295
cantilever	800	930	1170	1370	790	915	1155	1355	785	910	1140	1340	775	895	1130	1320
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.

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