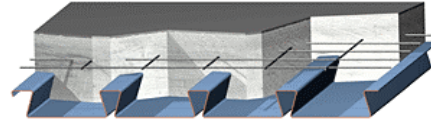


SECTION PROPERTIES

$f_y = 276 \text{ MPa}$

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 (216.72)				108 mm (231.47)				114 mm (246.22)				121 mm (260.97)			
		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)	18.08	18.75	22.41	23.94	19.53	19.39	23.94	23.94	20.98	19.90	23.94	23.94	22.43	20.26	23.94	23.94
	D+L (Deflection)	18.08	18.75	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)	18.08	18.75	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)	15.56	11.82	19.54	21.50	17.16	18.02	20.29	23.21	18.43	19.36	20.93	23.94	19.71	20.71	21.44	23.94
	D+L (Deflection)	15.56	11.82	19.15	19.15	17.16	18.02	19.15	19.15	18.43	19.15	19.15	19.15	19.15	19.15	19.15	19.15
	L (Deflection)	15.56	11.82	19.15	19.15	17.16	18.02	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)	11.94	12.93	13.17	19.35	13.44	14.55	13.37	20.35	15.03	16.27	18.11	21.04	16.71	18.08	20.06	21.59
	D+L (Deflection)	11.94	12.93	13.17	19.15	13.44	14.55	13.37	19.15	15.03	16.27	18.11	19.15	16.71	18.08	19.15	19.15
	L (Deflection)	11.94	12.93	13.17	16.34	13.44	14.55	13.37	19.15	15.03	16.27	18.11	19.15	16.71	18.08	19.15	19.15
3350	$\alpha_D D + \alpha_L L$ (Strength)	9.26	10.08	11.30	13.77	10.46	11.37	12.74	13.89	11.74	12.75	14.26	15.54	13.09	14.21	15.88	17.28
	D+L (Deflection)	9.26	10.08	11.30	13.77	10.46	11.37	12.74	13.89	11.74	12.75	14.26	15.54	13.09	14.21	15.88	17.28
	L (Deflection)	9.26	10.02	11.17	12.28	10.46	11.37	12.74	13.89	11.74	12.75	14.26	15.54	13.09	14.21	15.88	17.28
3650	$\alpha_D D + \alpha_L L$ (Strength)	7.22	7.91	8.92	9.78	8.20	8.96	10.09	11.05	9.23	10.08	11.34	12.40	10.33	11.27	12.66	13.84
	D+L (Deflection)	7.22	7.91	8.92	9.78	8.20	8.96	10.09	11.05	9.23	10.08	11.34	12.40	10.33	11.27	12.66	13.84
	L (Deflection)	7.18	7.71	8.60	9.46	8.20	8.96	10.09	11.05	9.23	10.08	11.34	12.40	10.33	11.27	12.66	13.84
3960	$\alpha_D D + \alpha_L L$ (Strength)	5.64	6.22	7.07	7.80	6.44	7.08	8.04	8.84	7.29	8.00	9.07	9.96	8.19	8.98	10.16	11.16
	D+L (Deflection)	5.64	6.22	7.07	7.80	6.44	7.08	8.04	8.84	7.29	8.00	9.07	9.96	8.19	8.98	10.16	11.16
	L (Deflection)	5.64	6.07	6.77	7.44	6.44	7.08	7.97	8.75	7.29	8.00	9.07	9.96	8.19	8.98	10.16	11.16
4260	$\alpha_D D + \alpha_L L$ (Strength)	4.38	4.87	5.60	6.22	5.04	5.59	6.40	7.09	5.74	6.35	7.26	8.02	6.49	7.17	8.17	9.00
	D+L (Deflection)	4.38	4.87	5.60	6.22	5.04	5.59	6.40	7.09	5.74	6.35	7.26	8.02	6.49	7.17	8.17	9.00
	L (Deflection)	4.38	4.86	5.42	5.95	5.04	5.59	6.38	7.01	5.74	6.35	7.26	8.02	6.49	7.17	8.17	9.00
4570	$\alpha_D D + \alpha_L L$ (Strength)	3.37	3.79	4.42	4.95	3.91	4.38	5.09	5.67	4.49	5.02	5.80	6.46	6.02	5.70	6.57	7.28
	D+L (Deflection)	3.28	3.67	4.31	4.84	3.91	4.38	5.09	5.67	4.49	5.02	5.80	6.46	6.02	5.70	6.57	7.28
	L (Deflection)	3.28	3.61	4.31	4.84	3.91	4.38	5.09	5.67	4.49	5.02	5.80	6.46	5.89	5.70	6.57	7.28
4870	$\alpha_D D + \alpha_L L$ (Strength)	3.30	2.97	3.45	3.90	3.80	3.40	4.01	4.52	4.33	3.93	4.61	5.18	4.90	4.50	5.26	5.89
	D+L (Deflection)	2.31	2.62	3.15	3.64	2.99	3.35	3.97	4.52	3.75	3.93	4.61	5.18	4.62	4.50	5.26	5.89
	L (Deflection)	2.31	2.62	3.15	3.64	2.99	3.35	3.97	4.52	3.75	3.93	4.61	5.18	4.62	4.50	5.26	5.89
5180	$\alpha_D D + \alpha_L L$ (Strength)	2.61	2.17	2.65	3.04	3.03	2.58	3.12	3.56	3.48	3.03	3.62	4.12	3.97	3.51	4.17	4.74
	D+L (Deflection)	1.56	1.81	2.24	2.64	2.09	2.40	2.90	3.38	2.71	3.03	3.62	4.12	3.40	3.51	4.17	4.74
	L (Deflection)	1.56	1.81	2.24	2.64	2.09	2.40	2.90	3.38	2.71	3.03	3.62	4.12	3.40	3.51	4.17	4.74
5480	$\alpha_D D + \alpha_L L$ (Strength)	2.03	1.56	1.97	2.32	2.39	2.72	2.37	2.75	2.77	3.14	2.80	3.23	3.18	3.59	3.26	3.73
	D+L (Deflection)	0.96	1.17	1.52	1.86	1.39	1.64	2.06	2.46	1.89	2.18	2.67	3.13	2.45	2.79	3.26	3.73
	L (Deflection)	0.96	1.17	1.52	1.86	1.39	1.64	2.06	2.46	1.89	2.18	2.67	3.13	2.45	2.79	3.26	3.73
5790	$\alpha_D D + \alpha_L L$ (Strength)	1.55	1.80	1.40	1.71	1.85	2.14	1.73	2.07	2.17	2.50	2.10	2.48	2.47	2.89	2.49	2.92
	D+L (Deflection)	0.48	0.66	0.95	1.23	0.83	1.04	1.39	1.72	1.22	1.47	1.88	2.27	1.68	1.97	2.45	2.92
	L (Deflection)	0.48	0.66	0.95	1.23	0.83	1.04	1.39	1.72	1.22	1.47	1.88	2.27	1.68	1.97	2.45	2.92
6090	$\alpha_D D + \alpha_L L$ (Strength)	1.13	1.36	0.92	1.18	1.38	1.64	1.19	1.49	1.66	1.95	1.50	1.84	1.86	2.28	1.83	2.20
	D+L (Deflection)	0.09	0.24	0.49	0.72	0.37	0.55	0.84	1.12	0.69	0.90	1.24	1.57	1.06	1.30	1.71	2.11
	L (Deflection)	0.09	0.24	0.49	0.72	0.37	0.55	0.84	1.12	0.69	0.90	1.24	1.57	1.06	1.30	1.71	2.11
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2425	2790	3140	3375	2370	2730	3075	3310	2320	2675	3020	3245	2275	2620	2965	3190	
2span	2400	2775	3350	3790	2340	2710	3285	3715	2285	2650	3215	3640	2235	2595	3150	3570	
3span	2480	2870	3465	3920	2425	2805	3385	3840	2370	2745	3315	3765	2315	2685	3260	3690	
cantilever	855	1015	1275	1525	840	1000	1255	1500	830	985	1235	1470	820	970	1215	1450	
Concrete Volume (m^3/m^2)	0.093				0.100				0.106				0.112				

2430	$\alpha_D D + \alpha_L L$ (Strength)	18.08	← Max. superimposed LSD factored dead + live load (kPa) (governed by strength limitation)
	D+L (Deflection)	18.08	← Max. superimposed LSD unfactored dead + live load (kPa) (governed by deflection limitation of L/240)
	L (Deflection)	18.08	← Max. superimposed LSD unfactored live load (kPa) (governed by deflection limitation of L/360)
			← Vertical load span (center to center spacing)

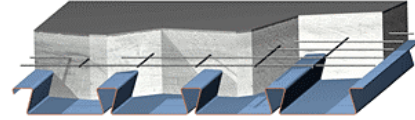
- Wd Weight of deck (uncoated), kg/m²
- I_D Moment of inertia for deflection per foot of deck width mm⁴/m
- Sp Section modulus for positive bending per foot of deck width, mm³/m
- Sn Section modulus for negative bending per foot of deck width, mm³/m
- f_c 21 MPa
- α_D, α_L Load factors for dead and live 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/m³
- 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 $f_y = 276 \text{ MPa}$

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 (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	$\alpha_D D + \alpha_L L$ (Strength)	23.88	20.48	23.94	23.94	23.94	20.55	23.94	23.94	23.94	20.45	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	$\alpha_D D + \alpha_L L$ (Strength)	20.99	22.05	21.80	23.94	22.26	23.40	22.02	23.94	23.54	23.94	22.09	23.94	23.94	23.94	22.01	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	$\alpha_D D + \alpha_L L$ (Strength)	18.47	19.62	21.38	22.04	19.81	20.82	22.69	22.33	20.94	22.02	23.94	23.94	22.08	23.22	23.94	23.94
	D+L (Deflection)	18.47	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)	18.47	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	$\alpha_D D + \alpha_L L$ (Strength)	14.50	15.74	17.59	19.14	15.99	17.35	19.38	21.09	17.53	19.02	21.24	23.12	19.14	20.77	22.77	23.94
	D+L (Deflection)	14.50	15.74	17.59	19.14	15.99	17.35	19.15	19.15	17.53	19.02	19.15	19.15	19.14	19.15	19.15	19.15
	L (Deflection)	14.50	15.74	17.59	19.14	15.99	17.35	19.15	19.15	17.53	19.02	19.15	19.15	19.14	19.15	19.15	19.15
3650	$\alpha_D D + \alpha_L L$ (Strength)	11.49	12.52	14.06	15.36	12.70	13.83	15.53	16.95	13.96	15.21	17.06	18.63	15.28	16.64	18.66	20.37
	D+L (Deflection)	11.49	12.52	14.06	15.36	12.70	13.83	15.53	16.95	13.96	15.21	17.06	18.63	15.28	16.64	18.66	19.15
	L (Deflection)	11.49	12.52	14.06	15.36	12.70	13.83	15.53	16.95	13.96	15.21	17.06	18.63	15.28	16.64	18.66	19.15
3960	$\alpha_D D + \alpha_L L$ (Strength)	9.14	10.01	11.32	12.41	10.13	11.10	12.53	13.74	11.18	12.23	13.81	15.13	12.27	13.42	15.14	16.58
	D+L (Deflection)	9.14	10.01	11.32	12.41	10.13	11.10	12.53	13.74	11.18	12.23	13.81	15.13	12.27	13.42	15.14	16.58
	L (Deflection)	9.14	10.01	11.32	12.41	10.13	11.10	12.53	13.74	11.18	12.23	13.81	15.13	12.27	13.42	15.14	16.58
4260	$\alpha_D D + \alpha_L L$ (Strength)	7.27	8.02	9.14	10.07	8.10	8.93	10.16	11.19	9.46	9.88	11.22	12.35	10.06	10.87	12.34	13.58
	D+L (Deflection)	7.27	8.02	9.14	10.07	8.10	8.93	10.16	11.19	9.46	9.88	11.22	12.35	10.06	10.87	12.34	13.58
	L (Deflection)	7.27	8.02	9.14	10.07	8.10	8.93	10.16	11.19	9.46	9.88	11.22	12.35	10.06	10.87	12.34	13.58
4570	$\alpha_D D + \alpha_L L$ (Strength)	6.71	6.42	7.38	8.19	7.18	7.18	8.24	9.13	7.67	7.98	9.14	10.12	8.15	8.81	10.08	11.15
	D+L (Deflection)	6.71	6.42	7.38	8.19	7.18	7.18	8.24	9.13	7.67	7.98	9.14	10.12	8.15	8.81	10.08	11.15
	L (Deflection)	6.71	6.42	7.38	8.19	7.18	7.18	8.24	9.13	7.67	7.98	9.14	10.12	8.15	8.81	10.08	11.15
4870	$\alpha_D D + \alpha_L L$ (Strength)	5.41	5.11	5.94	6.64	5.80	5.75	6.67	7.44	6.19	6.42	7.43	8.28	6.59	8.24	8.24	9.17
	D+L (Deflection)	5.41	5.11	5.94	6.64	5.80	5.75	6.67	7.44	6.19	6.42	7.43	8.28	6.59	8.24	8.24	9.17
	L (Deflection)	5.41	5.11	5.94	6.64	5.80	5.75	6.67	7.44	6.19	6.42	7.43	8.28	6.59	8.24	8.24	9.17
5180	$\alpha_D D + \alpha_L L$ (Strength)	4.34	4.98	4.75	5.36	4.65	5.57	5.37	6.05	4.97	6.19	6.02	6.77	5.29	6.84	6.70	7.52
	D+L (Deflection)	4.18	4.65	4.75	5.36	4.65	5.57	5.37	6.05	4.97	6.19	6.02	6.77	5.29	6.84	6.70	7.52
	L (Deflection)	4.18	4.65	4.75	5.36	4.65	5.57	5.37	6.05	4.97	6.19	6.02	6.77	5.29	6.84	6.70	7.52
5480	$\alpha_D D + \alpha_L L$ (Strength)	3.43	4.07	3.75	4.29	3.69	4.58	4.28	4.88	3.95	5.11	4.84	5.49	4.21	5.67	5.42	6.14
	D+L (Deflection)	3.08	3.47	3.75	4.29	3.69	4.23	4.28	4.88	3.95	5.07	4.84	5.49	4.21	5.67	5.42	6.14
	L (Deflection)	3.08	3.47	3.75	4.29	3.69	4.23	4.28	4.88	3.95	5.07	4.84	5.49	4.21	5.67	5.42	6.14
5790	$\alpha_D D + \alpha_L L$ (Strength)	2.67	3.30	2.91	3.39	2.88	3.73	3.36	3.89	3.08	4.20	3.83	4.42	3.29	4.68	4.34	4.98
	D+L (Deflection)	2.20	2.53	2.91	3.39	2.78	3.15	3.36	3.89	3.08	3.85	3.83	4.42	3.29	4.61	4.34	4.98
	L (Deflection)	2.20	2.53	2.91	3.39	2.78	3.15	3.36	3.89	3.08	3.85	3.83	4.42	3.29	4.61	4.34	4.98
6090	$\alpha_D D + \alpha_L L$ (Strength)	2.02	2.64	2.19	2.61	2.18	3.02	3.60	3.04	2.34	3.41	4.06	3.50	2.50	3.83	4.54	3.98
	D+L (Deflection)	1.48	1.76	2.19	2.61	1.96	2.28	2.81	3.04	2.34	2.85	3.46	3.50	2.50	3.49	4.17	3.98
	L (Deflection)	1.48	1.76	2.19	2.61	1.96	2.28	2.81	3.04	2.34	2.85	3.46	3.50	2.50	3.49	4.17	3.98
MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)																	
1span	2230	2565	2910	3135	2190	2520	2865	3090	2155	2475	2820	3040	2120	2430	2780	2995	
2span	2190	2540	3090	3515	2145	2490	3030	3445	2100	2440	2975	3390	2060	2395	2920	3345	
3span	2270	2630	3195	3635	2220	2575	3135	3560	2175	2525	3075	3510	2130	2480	3020	3455	
cantilever	810	955	1200	1425	800	945	1180	1405	790	935	1165	1385	780	920	1145	1360	
Concrete Volume (m^3/m^2)	0.119				0.125				0.131				0.138				

2430	$\alpha_D D + \alpha_L L$ (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
 - 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

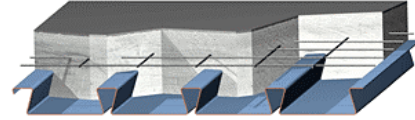
Construction spans shown based on 51 mm exterior bearing and 102 mm interior bearing width.

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.

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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)		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	$\alpha_D D + \alpha_L L$ (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)	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	
3040	$\alpha_D D + \alpha_L L$ (Strength)	23.22	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	
3350	$\alpha_D D + \alpha_L L$ (Strength)	20.81	21.96	23.94	23.94	21.89	23.04	23.94	23.94	22.91	23.94	23.94	23.94	23.93	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	
3650	$\alpha_D D + \alpha_L L$ (Strength)	16.64	18.12	20.32	22.19	18.06	19.66	22.05	23.94	19.53	21.25	23.84	23.94	21.04	22.84	23.94	
	D+L (Deflection)	16.64	18.12	19.15	19.15	18.06	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	
	L (Deflection)	16.64	18.12	19.15	19.15	18.06	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	19.15	
3960	$\alpha_D D + \alpha_L L$ (Strength)	13.40	14.65	16.52	18.10	14.57	15.93	17.96	19.67	14.61	17.25	19.44	21.30	15.34	18.62	20.98	
	D+L (Deflection)	13.40	14.65	16.52	18.10	14.57	15.93	17.96	19.15	14.61	17.25	19.15	19.15	15.34	18.62	19.15	
	L (Deflection)	13.40	14.65	16.52	18.10	14.57	15.93	17.96	19.15	14.61	17.25	19.15	19.15	15.34	18.62	19.15	
4260	$\alpha_D D + \alpha_L L$ (Strength)	10.65	11.90	13.50	14.85	11.24	12.97	14.71	16.18	11.84	14.08	15.96	17.55	12.43	15.23	17.26	
	D+L (Deflection)	10.65	11.90	13.50	14.85	11.24	12.97	14.71	16.18	11.84	14.08	15.96	17.55	12.43	15.23	17.26	
	L (Deflection)	10.65	11.90	13.50	14.85	11.24	12.97	14.71	16.18	11.84	14.08	15.96	17.55	12.43	15.23	17.26	
4570	$\alpha_D D + \alpha_L L$ (Strength)	8.63	9.68	11.07	12.23	9.11	10.58	12.09	13.36	9.60	12.56	13.15	14.52	10.08	13.20	14.25	
	D+L (Deflection)	8.63	9.68	11.07	12.23	9.11	10.58	12.09	13.36	9.60	12.56	13.15	14.52	10.08	13.20	14.25	
	L (Deflection)	8.63	9.68	11.07	12.23	9.11	10.58	12.09	13.36	9.60	12.56	13.15	14.52	10.08	13.20	14.25	
4870	$\alpha_D D + \alpha_L L$ (Strength)	6.98	9.02	9.07	10.09	7.37	9.84	9.94	11.05	7.76	10.37	10.85	12.05	8.15	10.90	11.79	
	D+L (Deflection)	6.98	9.02	9.07	10.09	7.37	9.84	9.94	11.05	7.76	10.37	10.85	12.05	8.15	10.90	11.79	
	L (Deflection)	6.98	9.02	9.07	10.09	7.37	9.84	9.94	11.05	7.76	10.37	10.85	12.05	8.15	10.90	11.79	
5180	$\alpha_D D + \alpha_L L$ (Strength)	5.61	7.52	7.42	8.31	5.93	8.12	8.17	9.14	6.24	8.56	8.94	10.00	6.56	9.00	9.75	
	D+L (Deflection)	5.61	7.52	7.42	8.31	5.93	8.12	8.17	9.14	6.24	8.56	8.94	10.00	6.56	9.00	9.75	
	L (Deflection)	5.61	7.52	7.42	8.31	5.93	8.12	8.17	9.14	6.24	8.56	8.94	10.00	6.56	9.00	9.75	
5480	$\alpha_D D + \alpha_L L$ (Strength)	4.46	6.25	6.04	6.83	4.72	6.67	6.68	7.54	4.97	7.04	7.35	8.28	5.22	7.40	9.36	
	D+L (Deflection)	4.46	6.25	6.04	6.83	4.72	6.67	6.68	7.54	4.97	7.04	7.35	8.28	5.22	7.40	9.36	
	L (Deflection)	4.46	6.25	6.04	6.83	4.72	6.67	6.68	7.54	4.97	7.04	7.35	8.28	5.22	7.40	9.36	
5790	$\alpha_D D + \alpha_L L$ (Strength)	3.49	5.15	6.04	5.57	3.69	5.45	6.64	6.18	3.89	5.75	7.27	6.82	4.09	6.05	7.92	
	D+L (Deflection)	3.49	5.15	6.04	5.57	3.69	5.45	6.64	6.18	3.89	5.75	7.27	6.82	4.09	6.05	7.92	
	L (Deflection)	3.49	5.15	6.04	5.57	3.69	5.45	6.64	6.18	3.89	5.75	7.27	6.82	4.09	6.05	7.92	
6090	$\alpha_D D + \alpha_L L$ (Strength)	2.66	4.16	5.04	4.49	2.82	4.41	5.56	5.02	4.34	4.65	6.11	5.58	4.78	4.89	6.68	
	D+L (Deflection)	2.66	4.16	4.95	4.49	2.82	4.41	5.56	5.02	4.34	4.65	6.11	5.58	4.78	4.89	6.68	
	L (Deflection)	2.66	4.16	4.95	4.49	2.82	4.41	5.56	5.02	4.34	4.65	6.11	5.58	4.78	4.89	6.68	

MAXIMUM UNSHORED CONSTRUCTION CLEAR SPANS (mm)

1span	2085	2395	2740	2955	2050	2355	2700	2915	2020	2315	2665	2875	1990	2285	2635	2840
2span	2020	2350	2870	3290	1980	2310	2820	3245	1950	2270	2775	3195	1915	2230	2730	3145
3span	2090	2435	2970	3400	2055	2390	2920	3355	2020	2350	2870	3300	1980	2310	2825	3250
cantilever	775	910	1135	1345	765	900	1120	1325	755	890	1105	1310	745	880	1090	1290
Concrete Volume (m^3/m^2)	0.144				0.150				0.157				0.163			

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/m^2		
I_D	Moment of inertia for deflection per foot of deck width mm^4/m		Rbe Allowable exterior web crippling value per foot of deck, kN/m
Sp	Section modulus for positive bending per foot of deck width, mm^3/m		Rbi Allowable interior web crippling value per foot of deck, kN/m
Sn	Section modulus for negative bending per foot of deck width, mm^3/m		h Total height of concrete slab, mm
f_c	21 MPa		Wc Weight of concrete (neglecting deflection), kg/m^2
α_D, α_L	Load factors for dead and live loads, respectively, to be applied by Engineer in accordance with Building Codes		D Uniform dead load, kPa
	Construction spans shown based on 51 mm exterior bearing and 102 mm interior bearing width.		L Uniform live load, kPa

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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