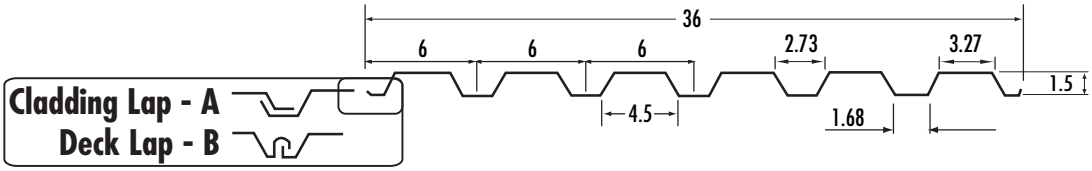
WF ROOF DECK A&B



All dimensions are in inches.

IMPERIAL

SECTION PROPERTIES (Per Foot of Width)

Base Steel Thickness (in.)	Coated Steel Thickness (G90) (in.)	Coated Weight (psf)	Sec. Modulus Midspan ($in.^3$)	Sec. Modulus Support ($in.^3$)	Deflection Moment of Inertia ($in.^4$)	Specified Web Crippling Data P_{e1} End (lb)	P_{e2} End (lb)	P_{i1} Interior (lb)	P_{i2} Interior (lb)
0.030	0.0315	1.68	0.185	0.189	0.168	178	44.6	433	73.6
0.036	0.0375	2.00	0.226	0.238	0.212	264	65.9	643	109
0.048	0.0495	2.64	0.307	0.314	0.286	487	122	1192.2	203
0.060	0.0615	3.28	0.386	0.388	0.356	780	195	1915.7	326

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (psf)

SPAN LENGTH (ft)		1 - SPAN BASE STEEL THICKNESS (inches)				2 - SPAN BASE STEEL THICKNESS (inches)				3 - SPAN BASE STEEL THICKNESS (inches)			
		0.030	0.036	0.048	0.060	0.030	0.036	0.048	0.060	0.030	0.036	0.048	0.060
3.0	S	271	331	450	566	277	349	460	568	346	436	575	710
	D	544	686	925	1151	1305	1647	2220	2764	1027	1297	1748	2176
3.5	S	199	243	330	416	203	256	338	418	254	320	422	522
	D	342	432	583	725	822	1037	1398	1740	647	817	1101	1370
4.0	S	153	186	253	319	156	196	259	320	195	245	323	400
	D	229	290	390	486	550	695	937	1166	433	547	738	918
4.5	S	121	147	200	252	123	155	204	253	154	194	255	316
	D	161	203	274	341	387	488	658	819	304	384	518	645
5.0	S	98	119	162	204	100	126	166	205	125	157	207	256
	D	117	148	200	249	282	356	480	597	222	280	378	470
5.5	S	81	98	134	168	82	104	137	169	103	130	171	211
	D	88	111	150	187	212	267	360	448	167	211	284	353
6.0	S	68	83	112	142	69	87	115	142	87	109	144	178
	D	68	86	116	144	163	206	278	345	128	162	219	272
6.5	S	58	70	96	121	59	74	98	121	74	93	122	151
	D	53	67	91	113	128	162	218	272	101	128	172	214
7.0	S	50	61	83	104	51	64	84	104	64	80	106	130
	D	43	54	73	91	103	130	175	218	81	102	138	171
7.5	S	43	53	72	91	44	56	74	91	55	70	92	114
	D	35	44	59	74	83	105	142	177	66	83	112	139
8.0	S	38	47	63	80	39	49	65	80	49	61	81	100
	D	29	36	49	61	69	87	117	146	54	68	92	115
8.5	S	34	41	56	71	34	43	57	71	43	54	72	89
	D	24	30	41	51	57	72	98	121	45	57	77	96
9.0	S	30	37	50	63	31	39	51	63	38	48	64	79
	D	20	25	34	43	48	61	82	102	38	48	65	81
9.5	S	27	33	45	56	28	35	46	57	35	43	57	71
	D	17	22	29	36	41	52	70	87	32	41	55	69
10.0	S	24	30	40	51	25	31	41	51	31	39	52	64
	D	15	19	25	31	35	44	60	75	28	35	47	59
10.5	S	22	27	37	46	23	28	38	46	28	36	47	58
	D	13	16	22	27	30	38	52	64	24	30	41	51
11.0	S	20	25	33	42	21	26	34	42	26	32	43	53
	D	11	14	19	23	26	33	45	56	21	26	35	44

NOTES:

1. Based on ASTM A 653M Grade 230 structural steel.
2. Values in row "S" are based on strength.
3. Values in row "D" are based on deflection of 1/180th span.
4. Web crippling not included in strength calculations. See Example.

Limit States Design principles were used in accordance with CSA Standard S136-01
Load table prepared by Dr. R.M.Schuster P.Eng. University of Waterloo, Ontario, Canada.

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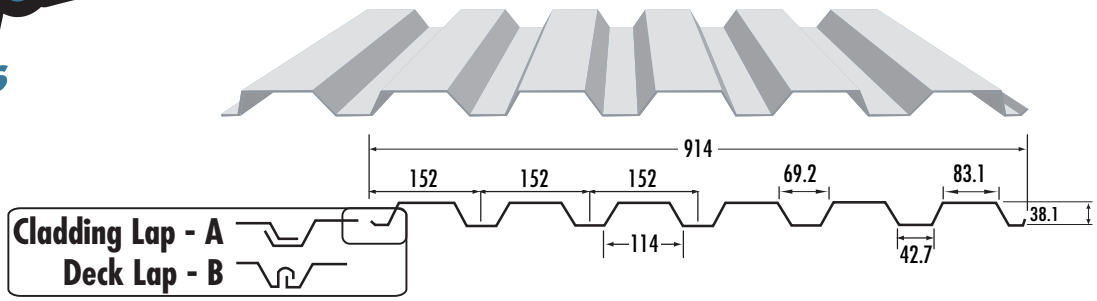
WF ROOF DECK A&B



All dimensions are in millimeters.

SECTION PROPERTIES (Per Metre of Width)

METRIC	Base Steel Thickness (mm)	Coated Steel Thickness (Z275) (mm)	Coated Mass (kg/m^2)	Sec. Modulus Midspan (10^3 mm^3)	Sec. Modulus Support (10^3 mm^3)	Deflection Moment of Inertia ($10^6 mm^4$)	Specified Web Crippling Data P_{e1} End (kN)	P_{e2} End (kN)	P_{i1} Interior (kN)	P_{i2} Interior (kN)
	0.762	0.802	8.19	9.95	10.1	0.229	2.63	0.658	6.38	1.09
	0.914	0.954	9.75	12.1	12.8	0.290	3.89	0.972	9.48	1.61
	1.22	1.26	12.9	16.5	16.9	0.391	7.18	1.79	17.6	2.99
	1.52	1.56	16.0	20.8	20.8	0.487	11.5	2.88	28.3	4.80

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)

SPAN LENGTH (m)		1 - SPAN BASE STEEL THICKNESS (mm)				2 - SPAN BASE STEEL THICKNESS (mm)				3 - SPAN BASE STEEL THICKNESS (mm)			
		0.762	0.914	1.22	1.52	0.762	0.914	1.22	1.52	0.762	0.914	1.22	1.52
1.0	S	11.0	13.4	18.2	22.9	11.2	14.1	18.6	23.0	14.0	17.6	23.3	28.8
	D	19.9	25.1	33.9	42.2	47.7	60.2	81.3	101	37.6	47.4	64.0	79.7
1.2	S	7.63	9.29	12.6	15.9	7.77	9.80	12.9	16.0	9.71	12.3	16.2	20.0
	D	11.5	14.5	19.6	24.4	27.6	34.8	47.0	58.5	21.7	27.4	37.0	46.1
1.4	S	5.60	6.83	9.28	11.7	5.71	7.20	9.49	11.7	7.13	9.00	11.9	14.7
	D	7.24	9.14	12.3	15.4	17.4	21.9	29.6	36.9	13.7	17.3	23.3	29.0
1.6	S	4.29	5.23	7.11	8.95	4.37	5.51	7.27	8.99	5.46	6.89	9.09	11.2
	D	4.85	6.12	8.27	10.3	11.6	14.7	19.8	24.7	9.17	11.6	15.6	19.5
1.8	S	3.39	4.13	5.62	7.08	3.45	4.35	5.74	7.10	4.32	5.44	7.18	8.87
	D	3.41	4.30	5.81	7.23	8.18	10.3	13.9	17.4	6.44	8.13	11.0	13.7
2.0	S	2.75	3.35	4.55	5.73	2.80	3.53	4.65	5.75	3.50	4.41	5.81	7.19
	D	2.48	3.14	4.23	5.27	5.96	7.53	10.2	12.7	4.69	5.93	8.00	9.96
2.2	S	2.27	2.76	3.76	4.74	2.31	2.92	3.84	4.75	2.89	3.64	4.81	5.94
	D	1.87	2.36	3.18	3.96	4.48	5.65	7.63	9.50	3.53	4.45	6.01	7.48
2.4	S	1.91	2.32	3.16	3.98	1.94	2.45	3.23	3.99	2.43	3.06	4.04	4.99
	D	1.44	1.81	2.45	3.05	3.45	4.36	5.88	7.32	2.72	3.43	4.63	5.76
2.6	S	1.62	1.98	2.69	3.39	1.65	2.09	2.75	3.40	2.07	2.61	3.44	4.25
	D	1.13	1.43	1.93	2.40	2.71	3.43	4.62	5.76	2.14	2.70	3.64	4.53
2.8	S	1.40	1.71	2.32	2.92	1.43	1.80	2.37	2.93	1.78	2.25	2.97	3.67
	D	0.91	1.14	1.54	1.92	2.17	2.74	3.70	4.61	1.71	2.16	2.92	3.63
3.0	S	1.22	1.49	2.02	2.55	1.24	1.57	2.07	2.56	1.55	1.96	2.58	3.19
	D	0.74	0.93	1.25	1.56	1.77	2.23	3.01	3.75	1.39	1.76	2.37	2.95
3.2	S	1.07	1.31	1.78	2.24	1.09	1.38	1.82	2.25	1.37	1.72	2.27	2.81
	D	0.61	0.77	1.03	1.29	1.46	1.84	2.48	3.09	1.15	1.45	1.95	2.43
3.4	S	0.95	1.16	1.57	1.98	0.97	1.22	1.61	1.99	1.21	1.53	2.01	2.49
	D	0.51	0.64	0.86	1.07	1.21	1.53	2.07	2.57	0.96	1.21	1.63	2.03
3.6	S	0.85	1.03	1.40	1.77	0.86	1.09	1.44	1.77	1.08	1.36	1.79	2.22
	D	0.43	0.54	0.73	0.90	1.02	1.29	1.74	2.17	0.80	1.02	1.37	1.71
3.8	S	0.76	0.93	1.26	1.59	0.77	0.98	1.29	1.59	0.97	1.22	1.61	1.99
	D	0.36	0.46	0.62	0.77	0.87	1.10	1.48	1.84	0.68	0.86	1.17	1.45
4.0	S	0.69	0.84	1.14	1.43	0.70	0.88	1.16	1.44	0.87	1.10	1.45	1.80
	D	0.31	0.39	0.53	0.66	0.75	0.94	1.27	1.58	0.59	0.74	1.00	1.24

NOTES:

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