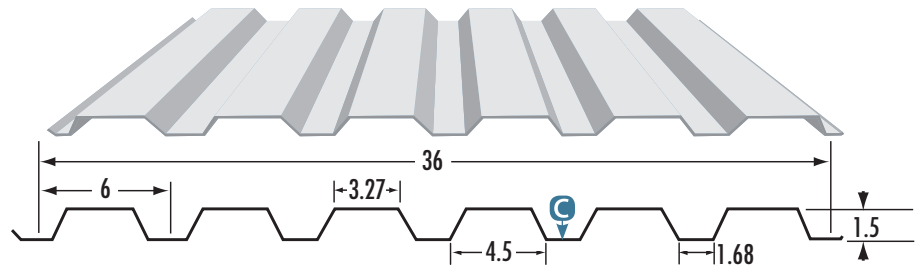




WF 636 WALL PANEL



C - Denotes Colored Side
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		Deflection Moment of Inertia (in. ⁴)	Specified Web Crippling Data			
				Midspan (in. ³)	Support (in. ³)		P _{e1} End (lb)	P _{e2} End (lb)	P _{i1} Interior (lb)	P _{i2} Interior (lb)
	0.018	0.0195	1.03	0.0917	0.0958	0.0833	58.5	14.6	140	23.7
0.024	0.0255	1.35	0.138	0.141	0.125	110	27.5	265	45.1	
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	203	

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (psf)

SPAN LENGTH (ft)		1 - SPAN					2 - SPAN					3 - SPAN				
		BASE STEEL THICKNESS (inches)					BASE STEEL THICKNESS (inches)					BASE STEEL THICKNESS (inches)				
		0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048	0.018	0.024	0.030	0.036	0.048
3.0	S	134	203	271	331	450	141	206	277	349	460	176	258	346	436	575
	D	269	402	544	686	925	646	966	1305	1647	2220	509	761	1027	1297	1748
3.5	S	99	149	199	243	330	103	152	203	256	338	129	189	254	320	422
	D	169	253	342	432	583	407	608	822	1037	1398	320	479	647	817	1101
4.0	S	76	114	153	186	253	79	116	156	196	259	99	145	195	245	323
	D	114	170	229	290	390	272	407	550	695	937	215	321	433	547	738
4.5	S	60	90	121	147	200	62	92	123	155	204	78	115	154	194	255
	D	80	119	161	203	274	191	286	387	488	658	151	225	304	384	518
5.0	S	48	73	98	119	162	51	74	100	126	166	63	93	125	157	207
	D	58	87	117	148	200	139	209	282	356	480	110	164	222	280	378
5.5	S	40	60	81	98	134	42	61	82	104	137	52	77	103	130	171
	D	44	65	88	111	150	105	157	212	267	360	83	123	167	211	284
6.0	S	34	51	68	83	112	35	52	69	87	115	44	64	87	109	144
	D	34	50	68	86	116	81	121	163	206	278	64	95	128	162	219
6.5	S	29	43	58	70	96	30	44	59	74	98	37	55	74	93	122
	D	26	40	53	67	91	63	95	128	162	218	50	75	101	128	172
7.0	S	25	37	50	61	83	26	38	51	64	84	32	47	64	80	106
	D	21	32	43	54	73	51	76	103	130	175	40	60	81	102	138
7.5	S	22	32	43	53	72	22	33	44	56	74	28	41	55	70	92
	D	17	26	35	44	59	41	62	83	105	142	33	49	66	83	112
8.0	S	19	28	38	47	63	20	29	39	49	65	25	36	49	61	81
	D	14	21	29	36	49	34	51	69	87	117	27	40	54	68	92
8.5	S	17	25	34	41	56	18	26	34	43	57	22	32	43	54	72
	D	12	18	24	30	41	28	42	57	72	98	22	33	45	57	77
9.0	S	15	23	30	37	50	16	23	31	39	51	20	29	38	48	64
	D	10	15	20	25	34	24	36	48	61	82	19	28	38	48	65
9.5	S	13	20	27	33	45	14	21	28	35	46	18	26	35	43	57
	D	8	13	17	22	29	20	30	41	52	70	16	24	32	41	55
10.0	S	12	18	24	30	40	13	19	25	31	41	16	23	31	39	52
	D	7	11	15	19	25	17	26	35	44	60	14	21	28	35	47
10.5	S	11	17	22	27	37	11	17	23	28	38	14	21	28	36	47
	D	6	9	13	16	22	15	23	30	38	52	12	18	24	30	41
11.0	S	10	15	20	25	33	10	15	21	26	34	13	19	26	32	43
	D	5	8	11	14	19	13	20	26	33	45	10	15	21	26	35

NOTES:

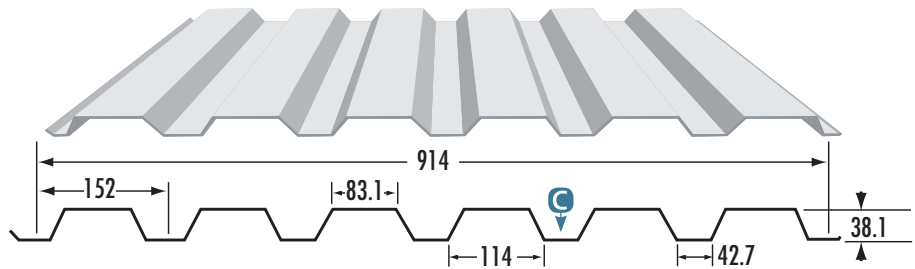


- Based on ASTM A 653M Grade 230 structural steel.
 - Values in row "S" are based on strength.
 - Values in row "D" are based on deflection of 1/180th span.
 - Web crippling not included in strength calculations. See Example.
- Limit States Design principles were used in accordance with CSA Standard S136-01
Load table prepared by Dr. R.M.Schuster P.Eng. University of Waterloo, Ontario, Canada.





WF 636 WALL PANEL



C - Denotes Colored Side

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		Deflection Moment of Inertia (10 ⁶ mm ⁴)	Specified Web Crippling Data							
				Midspan (10 ³ mm ³)	Support (10 ³ mm ³)		P _{e1} End (kN)	P _{e2} End (kN)	P _{i1} Interior (kN)	P _{i2} Interior (kN)				
											0.457	0.497	5.03	4.92
				0.610	0.650		6.61	7.41	7.55	0.170	1.62	0.405	3.91	0.665
				0.762	0.802		8.19	9.95	10.1	0.229	2.63	0.658	6.38	1.09
0.914	0.954	9.76	12.1	12.8	0.290	3.89	0.973	9.48	1.61					
1.22	1.26	12.9	16.5	16.9	0.391	7.18	1.80	17.6	2.99					

MAXIMUM UNIFORMLY DISTRIBUTED SPECIFIED LOAD (kPa)

SPAN LENGTH (m)		1 - SPAN					2 - SPAN					3 - SPAN				
		BASE STEEL THICKNESS (mm)					BASE STEEL THICKNESS (mm)					BASE STEEL THICKNESS (mm)				
		0.457	0.610	0.762	0.914	1.22	0.457	0.610	0.762	0.914	1.22	0.457	0.610	0.762	0.914	1.22
1.0	S	5.43	8.18	11.0	13.4	18.2	5.68	8.33	11.2	14.1	18.6	7.10	10.4	14.0	17.6	23.3
	D	9.83	14.7	19.9	25.1	33.9	23.6	35.3	47.7	60.2	81.3	18.6	27.8	37.6	47.4	64.0
1.2	S	3.77	5.68	7.63	9.30	12.6	3.94	5.79	7.77	9.80	12.9	4.93	7.23	9.71	12.3	16.2
	D	5.69	8.51	11.5	14.5	19.6	13.7	20.4	27.6	34.9	47.0	10.8	16.1	21.7	27.5	37.0
1.4	S	2.77	4.17	5.60	6.83	9.28	2.90	4.25	5.71	7.20	9.49	3.62	5.31	7.13	9.00	11.9
	D	3.58	5.36	7.24	9.15	12.3	8.60	12.9	17.4	22.0	29.6	6.77	10.1	13.7	17.3	23.3
1.6	S	2.12	3.20	4.29	5.23	7.11	2.22	3.25	4.37	5.51	7.27	2.77	4.07	5.46	6.89	9.09
	D	2.40	3.59	4.85	6.13	8.27	5.76	8.62	11.6	14.7	19.8	4.54	6.79	9.17	11.6	15.6
1.8	S	1.68	2.52	3.39	4.13	5.62	1.75	2.57	3.45	4.36	5.74	2.19	3.21	4.32	5.45	7.18
	D	1.69	2.52	3.41	4.30	5.81	4.05	6.05	8.18	10.3	13.9	3.19	4.77	6.44	8.13	11.0
2.0	S	1.36	2.04	2.75	3.35	4.55	1.42	2.08	2.80	3.53	4.65	1.77	2.60	3.50	4.41	5.82
	D	1.23	1.84	2.48	3.14	4.23	2.95	4.41	5.96	7.53	10.2	2.32	3.47	4.69	5.93	8.00
2.2	S	1.12	1.69	2.27	2.77	3.76	1.17	1.72	2.31	2.92	3.84	1.47	2.15	2.89	3.65	4.81
	D	0.92	1.38	1.87	2.36	3.18	2.22	3.31	4.48	5.66	7.63	1.75	2.61	3.53	4.46	6.01
2.4	S	0.94	1.42	1.91	2.32	3.16	0.99	1.45	1.94	2.45	3.23	1.23	1.81	2.43	3.06	4.04
	D	0.71	1.06	1.44	1.82	2.45	1.71	2.55	3.45	4.36	5.88	1.34	2.01	2.72	3.43	4.63
2.6	S	0.80	1.21	1.62	1.98	2.69	0.84	1.23	1.65	2.09	2.75	1.05	1.54	2.07	2.61	3.44
	D	0.56	0.84	1.13	1.43	1.93	1.34	2.01	2.71	3.43	4.62	1.06	1.58	2.14	2.70	3.64
2.8	S	0.69	1.04	1.40	1.71	2.32	0.72	1.06	1.43	1.80	2.37	0.91	1.33	1.78	2.25	2.97
	D	0.45	0.67	0.91	1.14	1.54	1.08	1.61	2.17	2.74	3.70	0.85	1.27	1.71	2.16	2.92
3.0	S	0.60	0.91	1.22	1.49	2.02	0.63	0.93	1.24	1.57	2.07	0.79	1.16	1.55	1.96	2.58
	D	0.36	0.54	0.74	0.93	1.25	0.87	1.31	1.77	2.23	3.01	0.69	1.03	1.39	1.76	2.37
3.2	S	0.53	0.80	1.07	1.31	1.78	0.55	0.81	1.09	1.38	1.82	0.69	1.02	1.37	1.72	2.27
	D	0.30	0.45	0.61	0.77	1.03	0.72	1.08	1.46	1.84	2.48	0.57	0.85	1.15	1.45	1.95
3.4	S	0.47	0.71	0.95	1.16	1.57	0.49	0.72	0.97	1.22	1.61	0.61	0.90	1.21	1.53	2.01
	D	0.25	0.37	0.51	0.64	0.86	0.60	0.90	1.21	1.53	2.07	0.47	0.71	0.96	1.21	1.63
3.6	S	0.42	0.63	0.85	1.03	1.40	0.44	0.64	0.86	1.09	1.44	0.55	0.80	1.08	1.36	1.79
	D	0.21	0.32	0.43	0.54	0.73	0.51	0.76	1.02	1.29	1.74	0.40	0.60	0.80	1.02	1.37
3.8	S	0.38	0.57	0.76	0.93	1.26	0.39	0.58	0.77	0.98	1.29	0.49	0.72	0.97	1.22	1.61
	D	0.18	0.27	0.36	0.46	0.62	0.43	0.64	0.87	1.10	1.48	0.34	0.51	0.68	0.86	1.17
4.0	S	0.34	0.51	0.69	0.84	1.14	0.35	0.52	0.70	0.88	1.16	0.44	0.65	0.87	1.10	1.45
	D	0.15	0.23	0.31	0.39	0.53	0.37	0.55	0.75	0.94	1.27	0.29	0.43	0.59	0.74	1.00

NOTES:



- Based on ASTM A 653M Grade 230 structural steel.
 - Values in row "S" are based on strength.
 - Values in row "D" are based on deflection of 1/180th span.
 - 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.

