Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 07/07/16

Wide Flange Section Data

Designation	Area A	Depth d	Web Thickness t_w	Flange Width b_f	Flange Thickness t_f	Elastic Properties Axis X-X I_x	Axis X-X S_x	Axis X-X r_x	Axis Y-Y I_y	Axis Y-Y S_y	Axis Y-Y r_y
	in^2	in	in	in	in	in^4	in^3	in	in^4	in^3	in
W8X67	19.7	9.00	0.570	8.280	0.935	272	60.4	3.72	88.6	21.4	2.12
W8X58	17.1	8.75	0.510	8.220	0.810	228	52.0	3.65	75.1	18.3	2.10
W8X48	14.1	8.50	0.400	8.110	0.685	184	43.3	3.61	60.9	15.0	2.08
W8X40	11.7	8.25	0.360	8.070	0.560	146	35.5	3.53	49.1	12.2	2.04
W8X35	10.3	8.12	0.310	8.020	0.495	127	31.2	3.51	42.6	10.6	2.03
W8X31	9.1	8.00	0.285	7.995	0.435	110	27.5	3.47	37.1	9.27	2.02
W8X28	8.3	8.06	0.285	6.535	0.465	98	24.3	3.45	21.7	6.63	1.62
W8X24	7.1	7.93	0.245	6.495	0.400	82.8	20.9	3.42	18.3	5.63	1.61
→ W8X21	6.2	8.28	0.250	5.270	0.400	75.3	18.2	3.49	9.77	3.71	1.26
W8X18	5.3	8.14	0.230	5.250	0.330	61.9	15.2	3.43	7.97	3.04	1.23
W8X15	4.4	8.11	0.245	4.015	0.315	48	11.8	3.29	3.41	1.70	0.88
W8X13	3.8	7.99	0.230	4.000	0.255	39.6	9.91	3.21	2.73	1.37	0.84
W8X10	3.0	7.89	0.170	3.940	0.205	30.8	7.81	3.22	2.09	1.06	0.84
W6X25	7.3	6.38	0.320	6.080	0.455	53.4	16.7	2.7	17.1	5.61	1.52
W6X20	5.9	6.20	0.260	6.020	0.365	41.4	13.4	2.66	13.3	4.41	1.50
W6X15	4.4	5.99	0.230	5.990	0.260	29.1	9.72	2.56	9.32	3.11	1.45
W6X16	4.7	6.28	0.260	4.030	0.405	32.1	10.2	2.6	4.43	2.20	0.97
W6X12	3.6	6.03	0.230	4.000	0.280	22.1	7.31	2.49	2.99	1.50	0.92
W6X9	2.7	5.90	0.170	3.940	0.215	16.4	5.56	2.47	2.19	1.11	0.91
W5X19	5.5	5.15	0.270	5.030	0.430	26.2	10.2	2.17	9.13	3.63	1.28
W5X16	4.7	5.01	0.240	5.000	0.360	21.3	8.51	2.13	7.51	3.00	1.27
W4X13	3.8	4.16	0.280	4.060	0.345	11.3	5.46	1.72	3.86	1.90	1.00

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	in^2	in	in	in	in	in^4	in^3	in	in^4	in^3	in
W10X112	32.9	11.36	0.755	10.415	1.250	716	126	4.66	236	45.3	2.68
W10X100	29.4	11.10	0.680	10.340	1.120	623	112	4.60	207	40.0	2.65
W10X88	25.9	10.84	0.605	10.265	0.990	534	98.5	4.54	179	34.8	2.63
W10X77	22.6	10.60	0.530	10.190	0.870	455	85.9	4.49	154	30.1	2.60
W10X68	20.0	10.40	0.470	10.130	0.770	394	75.7	4.44	134	26.4	2.59
W10X60	17.6	10.22	0.420	10.080	0.680	341	66.7	4.39	116	23.0	2.57
W10X54	15.8	10.09	0.370	10.030	0.615	303	60.0	4.37	103	20.6	2.56
W10X49	14.4	9.98	0.340	10.000	0.560	272	54.6	4.35	93.4	18.7	2.54
W10X45	13.3	10.10	0.350	8.020	0.620	248	49.1	4.32	53.4	13.3	2.01
W10X39	11.5	9.92	0.315	7.985	0.530	209	42.1	4.27	45	11.3	1.98
W10X33	9.71	9.73	0.290	7.960	0.435	170	35.0	4.19	36.6	9.2	1.94
W10X30	8.84	10.47	0.300	5.810	0.510	170	32.4	4.38	16.7	5.8	1.37
W10X26	7.61	10.33	0.260	5.770	0.440	144	27.9	4.35	14.1	4.9	1.36
W10X22	6.49	10.17	0.240	5.750	0.360	118	23.2	4.27	11.4	4.0	1.33
W10X19	5.62	10.24	0.250	4.020	0.395	96.3	18.8	4.14	4.29	2.1	0.874
W10X17	4.99	10.11	0.240	4.010	0.330	81.9	16.2	4.05	3.56	1.8	0.844
W10X15	4.41	9.99	0.230	4.000	0.270	68.9	13.8	3.95	2.89	1.5	0.810
W10X12	3.54	9.87	0.190	3.960	0.210	53.8	10.9	3.90	2.18	1.1	0.785