

ADDITIONS TO SUPPLEMENT
POCKET COMPANION
ABRIDGED EDITION
LIGHT BEAMS STANCHIONS & JOISTS



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ADDITIONS TO SUPPLEMENT

POCKET COMPANION

ABRIDGED EDITION

LIGHT BEAMS, STANCHIONS
AND JOISTS



AVAILABLE APRIL 1, 1934

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CARNEGIE STEEL COMPANY
Pittsburgh, Pa.

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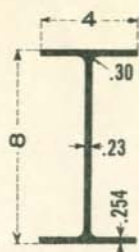
LIGHT BEAMS



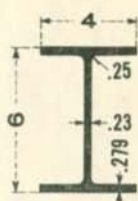
CBL12 12x4
22, 19, 16.5 lbs.



CBL10 10x4
19, 17, 15 lbs.



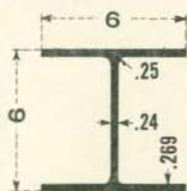
CBL8 8x4
15, 13 lbs.



CBL6 6x4
16, 12 lbs.



STANCHIONS



CBS 6 6x6
18, 15.5 lbs.



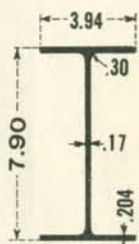
JOISTS



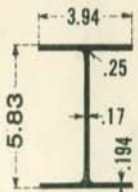
CBJ12 12x4
14 lbs.



CBJ10 10x4
11.5 lbs.



CBJ8 8x4
10 lbs.

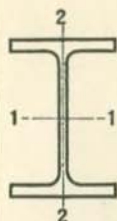


CBJ6 6x4
8.5 lbs.

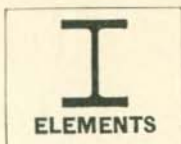


PROFILES SHOW MINIMUM DIMENSIONS IN INCHES
RANGE OF WEIGHTS PER LINEAR FOOT

☒ Carnegie Steel Company only.



LIGHT BEAMS, STANCHIONS AND JOISTS



ELEMENTS OF SECTIONS

Section Index and Nominal Size	Depth of Section In.	Weight per Foot Lbs.	Area of Section In. ²	Flange		Web Thickness In.	Axis 1-1			Axis 2-2		
				Width In.	Thick-ness In.		I In. ⁴	S In. ³	r In.	I In. ⁴	S In. ³	r In.
LIGHT BEAMS												
*CB 81	8.19	21	6.18	5.272	.403	.252	73.8	18.0	3.45	9.13	3.5	1.22
8 x 5 1/4	8.09	19	5.59	5.264	.353	.244	64.7	16.0	3.40	7.87	3.0	1.19
☒	8.00	17	5.00	5.250	.308	.230	56.4	14.1	3.36	6.72	2.6	1.16
CBL 12	12.31	22	6.47	4.030	.424	.260	155.7	25.3	4.91	4.55	2.26	0.84
12 x 4	12.16	19	5.62	4.010	.349	.240	130.1	21.4	4.81	3.67	1.83	0.81
☒	12.00	16 1/2	4.86	4.000	.269	.230	105.3	17.5	4.65	2.79	1.39	0.76
CBL 10	10.25	19	5.61	4.020	.394	.250	96.2	18.8	4.14	4.19	2.08	0.86
10 x 4	10.12	17	4.98	4.010	.329	.240	81.8	16.2	4.05	3.45	1.72	0.83
☒	10.00	15	4.40	4.000	.269	.230	68.8	13.8	3.95	2.79	1.39	0.80
CBL 8	8.12	15	4.43	4.015	.314	.245	48.0	11.8	3.29	3.30	1.65	0.86
8 x 4	8.00	13	3.83	4.000	.254	.230	39.5	9.88	3.21	2.62	1.31	0.83
☒												
CBL 6	6.25	16	4.72	4.030	.404	.260	31.7	10.1	2.59	4.32	2.14	0.96
6 x 4	6.00	12	3.53	4.000	.279	.230	21.7	7.24	2.48	2.89	1.44	0.90
☒												
STANCHIONS												
CBS 6	6.09	18	5.28	6.025	.314	.265	35.5	11.7	2.59	11.0	3.64	1.44
6 x 6	6.00	15 1/2	4.59	6.000	.269	.240	30.1	10.0	2.56	9.19	3.06	1.42
☒												
JOISTS												
CBJ 12												
12 x 4	11.91	14	4.14	3.970	.224	.200	88.2	14.8	4.61	2.25	1.13	0.74
☒												
CBJ 10												
10 x 4	9.87	11 1/2	3.39	3.950	.204	.180	51.9	10.5	3.92	2.01	1.02	0.77
☒												
CBJ 8												
8 x 4	7.90	10	2.95	3.940	.204	.170	30.8	7.79	3.23	1.99	1.01	0.82
☒												
CBJ 6												
6 x 4	5.83	8 1/2	2.50	3.940	.194	.170	14.8	5.07	2.43	1.89	0.96	0.87
☒												

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*CB 81 will replace B 39 on April 1.

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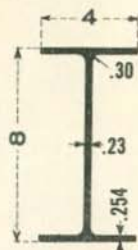
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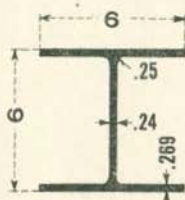
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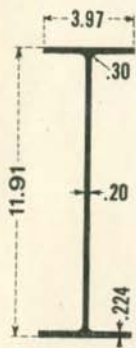
STANCHIONS



CBS 6 6x6
18, 15.5 lbs.



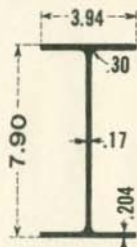
JOISTS



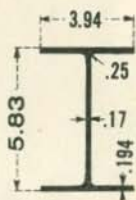
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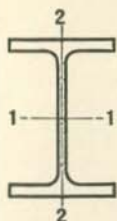


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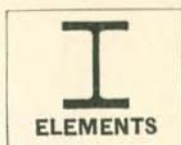


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12 x 4	12.16	19	5.62	4.010	.349	.240	130.1	21.4	4.81	3.67	1.83	0.81
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JOISTS

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☒												
CBJ 10	9.87	11 1/2	3.39	3.950	.204	.180	51.9	10.5	3.92	2.01	1.02	0.77
10 x 4												
☒												
CBJ 8	7.90	10	2.95	3.940	.204	.170	30.8	7.79	3.23	1.99	1.01	0.82
8 x 4												
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CBJ 6	5.83	8 1/2	2.50	3.940	.194	.170	14.8	5.07	2.43	1.89	0.96	0.87
6 x 4												
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