



# BEN'S STRUCTURAL FABRICATION

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SQUARE RECTANGULAR TUBING WEIGHT PER FOOT									
SQUARE	RECTANGLE	14 ga.	1/8	3/16	1/4	5/16	3/8	1/2	5/8
1x1		1.04	1.44						
1 1/4 x 1 1/4	1 x 1 1/2	1.32	1.84						
1 1/2 x 1 1/2	1 x 2	1.60	2.25	3.35					
1 3/4 x 1 3/4	1 1/2 x 2 1 x 2 1/2	1.88	2.66	3.99					
2 x 2	1 1/2 x 2 1/2 1 x 3	2.16	3.05	4.31	5.41				
	1 1/2 x 3	2.45	3.48	5.07					
2 1/2 x 2 1/2	2 x 3 1 1/2 x 3 1/2	2.73	3.90	5.60	7.11				
	2 1/2 x 3 2 x 3 1/2 1 1/2 x 4	3.01	4.29	6.29					
3 x 3	2 1/2 x 3 1/2 2 x 4	3.29	4.75	6.88	8.81	10.58			
	2 1/2 x 4 2 x 4 1/2	3.55	5.11	7.48	9.65				
3 1/2 x 3 1/2	3 x 4 2 x 5		5.61	8.16	10.51	12.70			
	2 1/2 x 5		5.92	8.75	11.35				
4 x 4	3 x 5 2 x 6		6.46	9.44	12.21	14.84	17.27	21.63	25.26
4 1/2 x 4 1/2	4 x 5 3 x 6			10.70	13.91	16.96	19.82		
5 x 5	4 x 6 3 x 7 2 x 8			11.97	15.62	19.08	22.37	28.43	33.76
5 1/2 x 5 1/2	5 x 6 4 x 7 3 x 8			13.25	17.32	21.21	24.93	31.81	
6 x 6	5 x 7 4 x 8 2 x 10			14.55	19.02	23.35	27.48	35.24	42.26
	5 x 8 3 x 10			15.80	20.72	25.47	30.03		
7 x 7	6 x 8 4 x 10 2 x 12			17.11	22.42	27.60	32.58	42.05	50.76
8 x 8	7 x 9 6 x 10 4 x 12			19.66	25.82	31.86	37.69	48.85	59.32
9 x 9	8 x 10 6 x 12 4 x 14			22.22	29.23	36.12	42.79	55.66	67.82
10 x 10	8 x 12 6 x 14 4 x 16			24.77	32.63	40.37	47.90	62.46	76.33
12 x 12	10 x 14 8 x 16 6 x 18 4 x 20			29.84	39.43	48.86	58.10	76.07	93.25
14 x 14	12 x 16 8 x 20					57.36	68.31	89.68	
16 x 16	12 x 20					65.87	78.52	103.30	

MC CHANNEL				
Section Number	Weight lb/ft	Section Depth in.	Flange	
			Width in.	Thickness
MC3	x 7.1	3	2	3/8
MC4	x 13.8	4	2 1/2	3/8
MC6	x 12.0	6	2 1/2	3/8
MC6	x 15.1	6	3	1/2
	16.3	6	3	1/2
MC6	x 15.3	6	3 1/2	3/8
MC6	x 18.0	6	3 1/2	1/2
MC7	x 19.1	7	3 1/2	1/2
	22.7	7	3 5/8	1/2
MC8	x 18.7	8	3	1/2
	20.0	8	3	1/2
MC8	x 21.4	8	3 1/2	1/2
	22.8	8	3 1/2	1/2
MC9	x 23.9	9	3 1/2	9/16
	25.4	9	3 1/2	9/16
MC10	x 22.0	10	3 3/8	9/16
	25.0	10	3 3/8	9/16
MC10	x 28.5	10	4	9/16
	33.6	10	4 1/8	9/16
	41.1	10	4 3/8	9/16
MC12	x 31.0	12	3 5/8	11/16
	35.0	12	3 3/4	11/16
	40.0	12	3 7/8	11/16
	45.0	12	4	11/16
	50.0	12	4 1/8	11/16
MC13	x 31.8	13	4	5/8
	35.0	13	4 1/8	5/8
	40.0	13	4 1/8	5/8
	50.0	13	4 3/8	5/8
MC18	x 42.7	18	4	5/8
	45.8	18	4	5/8
	51.9	18	4 1/8	5/8
	58.0	18	4 1/4	5/8



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STRUCTURAL ANGLE			
Size Inches	lb/ft		
L 3 x 2 x	3/16	3.1	
	1/4	4.1	
	5/16	5.0	
	3/8	5.9	
	1/2	7.7	
L 3 x 2 1/2 x	1/4	4.5	
	5/16	5.6	
	3/8	6.6	
	1/2	8.5	
L 3 x 3 x	3/16	3.7	
	1/4	4.9	
	5/16	6.1	
	3/8	7.2	
	1/2	9.4	
L 3 1/2 x 2 1/2 x	1/4	4.9	
	5/16	6.1	
	3/8	7.2	
	1/2	9.4	
L 3 1/2 x 3 x	1/4	5.4	
	5/16	6.6	
	3/8	7.9	
	1/2	10.2	
L 3 1/2 x 3 1/2 x	1/4	5.8	
	5/16	7.2	
	3/8	8.5	
	1/2	11.1	
L 4 x 3 x	1/4	5.8	
	5/16	7.2	
	3/8	8.5	
	1/2	11.1	
	5/8	13.6	
L 4 x 3 1/2 x	1/4	6.2	
	5/16	7.7	
	3/8	9.1	
	1/2	11.9	
L 4 x 4 x	1/4	6.6	
	5/16	8.2	
	3/8	9.8	
	1/2	12.8	
	5/8	15.7	
	3/4	18.5	
L 5 x 3 x	1/4	6.6	
	5/16	8.2	

BAR ANGLE			
Size Inches	lb/ft		
L 1/2 X 1/2 X	1/8	0.38	
L 5/8 X 5/8 X	1/8	0.48	
L 3/4 X 3/4 X	1/8	0.59	
L 1 X 1 X	1/8	0.80	
	3/16	1.16	
	1/4	1.49	
L 1 1/4 X 1 1/4 X	1/8	1.01	
	3/16	1.48	
	1/4	1.92	
L 1 1/2 X 1 1/2 X	1/8	1.23	
	3/16	1.80	
	1/4	2.34	
L 1 3/4 X 1 1/4 X	1/8	1.23	
	3/16	1.80	
L 1 3/4 X 1 3/4 X	1/8	1.44	
	3/16	2.12	
	1/4	2.77	
L 2 X 1 1/4 X	1/4	2.55	

C CHANNEL				
Section Number	Weight lb/ft	Section Depth in.	Flange	
			Width in.	Thickness
C3 x	4.1	3	2	3/8
	5.0	3	1 3/8	1/4
	6.0	3	1 9/16	1/4
C4 x	5.4	4	1 5/8	5/16
	7.3	4	1 3/4	5/16
C5 x	6.7	5	1 3/4	5/16
	9.0	5	1 7/8	5/16
C6 x	8.2	6	1 7/8	5/16
	10.5	6	2	5/16
	13.0	6	2 1/8	5/16
C7 x	9.8	7	2 1/8	3/16
	12.3	7	2 1/4	5/16
C8 x	11.5	8	2 1/4	3/8
	13.8	8	2 3/8	3/8
C9 x	18.8	8	2 1/2	3/8
	13.4	9	2 3/8	7/16
C10x	15.0	9	2 1/2	7/16
	15.3	10	2 5/8	1/4
C12x	20.0	10	2 3/4	3/8
	25.0	10	2 7/8	1/2
	30.0	10	3	11/16
C15x	20.7	12	3	5/16
	25.0	12	3	3/8
	30.0	12	3 1/8	1/2
C15x	33.9	15	3 3/8	3/8
	40.0	15	3 1/2	1/2
	50.0	15	3 3/4	11/16

FLOOR PLATE		lb/sq. ft
#16		3.06
#14		3.83
#12		5.35
1/8		6.16
3/16		8.7
1/4		11.26
5/16		13.82
3/8		16.37
1/2		21.47
5/8		26.58
3/4		31.68
1		41.89

HOT ROLLED PLATE			
Thickness Inches	lb/sq. ft	Thickness Inches	lb/sq. ft
3/16	7.66	2 1/2	102.10
1/4	10.21	2.75	112.31
5/16	12.76	3	122.52
3/8	15.32	3.25	132.72
7/16	17.87	3.5	142.93
1/2	20.42	3.75	153.14
9/16	22.97	4	163.35
5/8	25.53	4.25	173.56
11/16	28.08	4.5	183.77
3/4	30.63	4.75	194.98
7/8	35.73	5	204.19
1	40.84	5.5	224.61
1 1/8	45.94	6	245.03
1 1/4	51.05	6.5	265.45
1 3/8	56.16	7	285.87
1 1/2	61.26	7.5	306.29
1 5/8	66.37	8	326.71
1 3/4	71.47	9	367.55
1 7/8	76.58	10	408.38
2	81.68	11	449.22
2 1/4	91.89	12	490.08