

VARSTEEL®

REFERENCE BOOK
www.varsteel.ca



65 YEARS STRONG

Steel Service Centers



PROCESSING CAPABILITIES

Coil Processing:	14ga x 48" wide through 1/2" x 96" wide
Laser Cutting:	6kw 10' x 53' table (Will Cut up to 1 1/4" thick)
Flame Cutting And Plasma Cutting:	C.N.C. Multi head Hi-Def bevel Plasma with Drill, Tap and Countersink capabilities and Flame Table 10' x 330' tables
Plate Shear:	3/4" x 20'-0 1/2" x 26'-0
Brake:	ACCURPRESS C.N.C. 1,500 Ton x 26'
Iron Worker:	110 ton PEDDINGHAUS Angle 6" x 6" x 1/2" Round 2" Square 1 3/4" Hole Punch 1" Thick x 1 3/16" Diameter (Round, Square, and Oblong) Notch 4 1/4" x 2 1/4" Rectangular
Sawing:	HEM 40" C.N.C. Hyd - Mech 42"W x 26"T
Thread:	3/8" Through 2" N.C.
Plate Rolling:	Max. 1 5/8" Thick x 120" Wide
Rebar Fabrication Shapes:	Complete Services: Fabrication, Installation, Estimating, Detail Shop Drawings and Bar Lists
Section Roll:	C.N.C. Davi 7" Angle, 14" Channel 6" H.S.S., Pipe 8" Beam, Round Bar

We also sub-contract!!

Please let us know your needs through galvanizing,
wheelabrating, painting, laser and water jet cutting.



ALBERTA SERVICE CENTERS

Calgary

55 Dufferin Place S.E., Calgary, Alberta T2C 4W3

Phone: (403) 279-7030 • Fax: (403) 279-0118 • Toll Free: 1-800-661-7104

E-Mail: calgary@varsteel.ca

Metal Processing Center Calgary

7900 - 56th Street S.E., Calgary, Alberta T2C 4S9

Phone: (403) 203-8606 • Fax: (403) 203-8620 • Toll Free: 1-866-998-8600

E-Mail: calgarympc@varsteel.ca

Varsteel Specialty Metals Calgary

Suite 3 - 5608 Burbank Cres S.E., Calgary, Alberta T2H 1Z6

Phone: (403) 692-3040 • Fax: (403) 692-0120 • Toll Free: 1-866-692-3040

E-Mail: calgaryvsm@varsteel.ca • specialtymetals.varsteel.ca

Grande Prairie

11311 95 Avenue, Grande Prairie, Alberta T8V 5P7

Phone: (780) 539-3262 • Fax: (780) 539-6704 • Toll Free: 1-800-803-7796

E-mail: grandeprairie@varsteel.ca

Lethbridge

2900 - 5th Avenue N., Lethbridge, Alberta T1H 6K3

Phone: (403) 329-0233 • Fax: (403) 327-0630 • Toll Free: 1-800-663-0040

E-Mail: lethbridge@varsteel.ca

Medicine Hat

1441 Brier Estates Crescent NW, Medicine Hat, Alberta T1C 0B6

Phone: (403) 529-5454 • Fax: (403) 529-1383 • Toll Free: 1-800-665-7335

E-Mail: medicinehat@varsteel.ca

Leduc

3810 Allard Avenue, Leduc, Alberta T9E 0R8

Phone: (780) 955-1953 • Fax: (780) 955-1901 • Toll Free: 1-866-955-1953

E-Mail: leduc@varsteel.ca

Red Deer

292 - 28042 Hwy. #11, Red Deer County

Burnt Lake Business Park, Red Deer, Alberta T4S 2L4

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E-Mail: reddeer@varsteel.ca

Fort McMurray

255 MacDonald Crescent, Fort McMurray, Alberta T9H 4B5

Phone: (780) 743-4379 • Fax: (780) 743-0036 • E-mail: fortmcmurray@varsteel.ca



BRITISH COLUMBIA SERVICE CENTERS

Delta

6845 Tilbury Road, Delta, British Columbia V4G 0A3

Phone: (604) 946-2717 • Fax: (604) 946-4417 • Toll Free: 1-866-544-1953

E-Mail: delta@varsteel.ca • www.varsteel.ca - Delta

Kamloops

309 Chilcotin Road, Kamloops, British Columbia V2H 1H3

Phone: (250) 374-5253 • Fax: (250) 374-1434

E-Mail: kamloops@varsteel.ca • www.varsteel.ca - Kamloops

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280 Bubna Road, Kelowna, British Columbia V4V 2N4

Phone: (250) 766-5222 • Fax: (250) 766-4908 • Toll Free: 1-888-663-1953

E-Mail: kelowna@varsteel.ca • www.varsteel.ca - Kelowna

Prince George

922 Great Street, Prince George, British Columbia V2N 5R7

Phone: (250) 596-8011 • Fax: (250) 596-8012 • Toll Free: 1-855-359-2354

E-mail: princegeorge@varsteel.ca • www.varsteel.ca - Prince George

Varsteel Specialty Metals Surrey

104 - 19433 96th Avenue, Surrey, British Columbia V4N 4C4

Phone: (604) 882-9344 • Fax: (604) 882-9355 • Toll Free: 1-800-663-5518

E-Mail: surreyvsm@varsteel.ca • specialtymetals.varsteel.ca

Varsteel Vancouver Island

9380 Smiley Road, Chemainus, British Columbia V0R 1K4

Phone: (250) 324-8855 • Fax: (250) 324-8854 • Toll Free: 1-855-851-2180

E-mail: vancouverisland@varsteel.ca • www.varsteel.ca - Vancouver Island

MANITOBA SERVICE CENTERS

Winnipeg

PO Box 29, Grp 514, RR5 2475 Day Street, Winnipeg, Manitoba R2C 2X5

Phone: (204) 237-6533 • Fax: (204) 237-6549 • Toll Free: 1-877-907-8335

E-mail: winnipeg@varsteel.ca • www.varsteel.ca - Winnipeg



SASKATCHEWAN SERVICE CENTERS

Saskatoon

2607 Wentz Avenue, Saskatoon, Saskatchewan S7K 5J1
Phone: (306) 955-3777 • Fax: (306) 955-3771 • Toll Free: 1-866-616-6620
E-Mail: saskatoon@varsteel.ca • www.varsteel.ca - Saskatoon

Regina

PO Box 1873, 2191 Albert Street N., Regina, Saskatchewan S4P 3E1
Phone: (306) 775-3634 • Fax: (306) 775-3350 • Toll Free: 1-877-247-8335
E-Mail: regina@varsteel.ca • www.varsteel.ca - Regina

Regina Cut to Length

PO Box 1670 - 100 Armour Road - Gate 5, Regina, Saskatchewan S4P 3C7
Phone: (306) 924-7587 • Fax: (306) 924-7451
E-Mail: reginactl@varsteel.ca • www.varsteel.ca - Regina

Estevan

PO Box 1337, Hwy. #39 E., Estevan, Saskatchewan S4R 2K9
Phone: (306) 634-3561 • Fax: (306) 634-4783
E-Mail: estevan@varsteel.ca • www.varsteel.ca - Estevan

Swift Current

1900 Chaplin Street West, Swift Current, Saskatchewan S9H 5G6
Phone: (306) 773-1977 • Fax: (306) 778-3705 • Toll Free: 1-800-742-8889
E-Mail: swiftcurrent@varsteel.ca • www.varsteel.ca - Swift Current

Prince Albert

PO Box 21041, Hwy 3 E. & 48th St, Prince Albert, Saskatchewan S6V 8A4
Phone: (306) 922-3000 • Fax: (306) 922-3039 • Toll Free: 1-855-234-8338
E-Mail: princealbert@varsteel.ca • www.varsteel.ca - Prince Albert

WASHINGTON, USA SERVICE CENTERS

Alliance Steel Distributors

3000 SE Hidden Way Suite 40A, Vancouver, WA 98661
Phone: (360) 693-0037 • Fax: (360) 693-0429 • Toll-Free: 1-800-735-2320
E-mail: alliance@varsteel.ca • www.varsteel.ca - United States

CORPORATE CENTER

330, 220 - 4th Street S., Lethbridge, Alberta T1J 4J7
Phone: (403) 320-1953 • Fax: (403) 329-0805
E-Mail: info@varsteel.ca • www.varsteel.ca - Lethbridge



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ANGLES - BAR SIZE SPEC A-36/44W

Size In.	Thickness In.	Wt./Ft. lbs.
1/2 x 1/2	1/8	.38
5/8 x 5/8	1/8	.48
3/4 x 3/4	1/8	.59
	3/16	.80
7/8 x 7/8	1/8	.70
1 x 1	1/8	.80
	3/16	1.16
	1/4	1.49
1¼ x 1¼	1/8	1.01
	3/16	1.48
	1/4	1.92
1½ x 1½	1/8	1.23
	3/16	1.80
	1/4	2.34
	5/16	2.86
	3/8	3.35
1¾ x 1¾	1/8	1.44
	3/16	2.12
	1/4	2.77
2 x 1½	1/8	1.44
	3/16	2.12
	1/4	2.77
	5/16	3.92
2 x 2	1/8	1.65
	3/16	2.44
	1/4	3.19
	5/16	3.92
	3/8	4.70
2½ x 1½	3/16	2.44
	1/4	3.19
2½ x 2	1/8	1.86
	3/16	2.75
	1/4	3.62
	5/16	4.50
	3/8	5.30
2½ x 2½	1/8	2.08
	3/16	3.07
	1/4	4.10
	5/16	5.00
	3/8	5.90
	1/2	7.70

ANGLES - STRUCTURAL SPEC A-36/44W

Size In.	Thickness In.	Wt./Ft. lbs.
3 x 2	3/16	3.07
	1/4	4.1
	5/16	5.0
	3/8	5.9
	7/16	6.89
	1/2	7.7
3 x 2½	1/4	4.5
	5/16	5.6
	3/8	6.6
	7/16	6.8
	1/2	8.5
3 x 3	1/8	2.5
	3/16	3.71
	1/4	4.9
	5/16	6.1
	3/8	7.2
	7/16	8.3
	1/2	9.4
3½ x 2½	3/16	3.7
	1/4	4.9
	5/16	6.1
	3/8	7.2
	7/16	8.3
	1/2	9.4
3½ x 3	1/4	5.4
	5/16	6.6
	3/8	7.9
	7/16	8.3
	1/2	10.2
3½ x 3½	1/4	5.8
	5/16	7.2
	3/8	8.5
	7/16	9.8
	1/2	11.1
4 x 3	1/4	5.8
	5/16	7.2
	3/8	8.5
	7/16	9.8
	1/2	11.1
	5/8	13.6



ANGLES - STRUCTURAL SPEC A-36/44W

Size In.	Thickness In.	Wt./Ft. lbs.
4 x 3½	1/4	6.2
	5/16	7.7
	3/8	9.1
	7/16	10.6
	1/2	11.9
	5/8	14.7
4 x 4	1/4	6.6
	5/16	8.2
	3/8	9.8
	7/16	11.3
	1/2	12.8
	5/8	15.7
5 x 3	3/4	18.5
	1/4	6.6
	5/16	8.2
	3/8	9.8
	7/16	11.3
	1/2	12.8
5 x 3½	1/4	7.0
	5/16	8.7
	3/8	10.4
	7/16	12.0
	1/2	13.6
	5/8	16.8
5 x 5	3/4	19.8
	5/16	10.3
	3/8	12.3
	1/2	16.2
	5/8	20.0
	3/4	23.6
6 x 3½	7/8	27.2
	1/4	7.9
	5/16	9.8
	3/8	11.7
	1/2	15.3
6 x 4	5/16	10.3
	3/8	12.3
	7/16	14.3
	1/2	16.2
	9/16	18.0
	5/8	20.0
	3/4	23.6
	7/8	27.2

Size In.	Thickness In.	Wt./Ft. lbs.
6 x 6	5/16	12.4
	11/32	13.7
	3/8	14.9
	7/16	17.2
	1/2	19.6
	9/16	22.1
	5/8	24.2
	3/4	28.7
	7/8	33.1
7 x 4	1	37.4
	3/8	13.6
	7/16	15.8
	1/2	17.9
	9/16	20.0
	5/8	22.1
8 x 4	3/4	26.2
	7/8	30.2
	7/16	17.2
	1/2	19.6
8 x 6	5/8	24.2
	3/4	28.7
	7/16	20.3
	1/2	23.0
8 x 8	9/16	25.7
	5/8	28.5
	3/4	33.8
	7/8	40.1
	1	44.2
	1/2	26.4
	9/16	29.3
8 x 8	5/8	32.7
	3/4	38.9
	7/8	45.0
	1	51.0
	1-1/8	56.9

**INQUIRE ABOUT OUR TRUCK
DELIVERY FOR CONVENIENT
TRANSPORT TO YOUR
LOCATION**

STANDARD BEAMS

SPEC A-36/44W/A572-50/A992



New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ³
Old Imp.	CDN Metric		Width In.	Thickness (mean) In.		
S3 x 5.7 x 7.5	S75 x 8 x 11	3.00	2.33 2.51	.260 .260	.170 .349	1.68 1.95
S4 x 7.7 x 9.5	S100 x 11 x 14.1	4.00	2.66 2.80	.293 .293	.193 .326	3.04 3.40
S5 x 10.0 x 14.75	S130 x 15 x 22	5.00	3.00 3.28	.326 .326	.214 .494	4.92 6.08
S6 x 12.5 x 17.25	S150 x 19 x 26	6.00	3.33 3.57	.359 .359	.232 .465	7.37 8.77
S7 x 15.3 x 20.0	S180 x 22.8 x 30	7.00	3.66 3.86	.392 .392	.252 .450	10.5 12.1
S8 x 18.4 x 23.0	S200 x 27 x 34	8.00	4.00 4.17	.425 .425	.271 .441	14.4 16.2
S10 x 25.4 x 35.0	S250 x 38 x 52	10.00	4.66 4.94	.491 .491	.311 .594	24.8 29.4
S12 x 31.8 x 35.0	S310 x 47 x 52	12.00	5.00 5.08	.544 .544	.350 .428	36.3 38.2
S12 x 40.8 x 50.0	S310 x 60.7 x 74	12.00	5.25 5.48	.659 .659	.472 .687	45.3 50.8
S15 x 42.9 x 50.0	S380 x 64 x 74	15.00	5.50 5.64	.622 .622	.411 .550	59.6 64.8
S18 x 54.7 x 70.0	S460 x 81.4 x 104	18.00	6.00 6.25	.691 .691	.460 .711	89.3 103
S20 x 66.0 x 75.0	S510 x 97.3 x 112	20.00	6.26 6.38	.795 .795	.505 .635	119 128
S20 x 86.0 x 96.0	S510 x 127 x 141	20.30	7.06 7.20	.920 .920	.660 .800	155 165
S24 x 80.0 x 90.0 x 100.0	S610 x 118.9 x 134 x 149	24.00	7.00 7.12 7.24	.870 .870 .870	.500 .625 .745	175 187 199
S24 x 105.9 x 120.0	S610 x 157.6 x 179	24.50	7.87 8.05	1.09 1.09	.620 .800	240 258

WIDE FLANGE BEAMS

SPEC A-36/44W/A572-50/A992



New Designation			Depth In.	Flange		Web Thickness In.	Section Modulus In. ³
ASTM Imp.	CDN Metric			Width In.	Thickness (mean) In.		
W4 x 13	W100 x 19		4.16	4.06	.345	.280	5.43
W5 x 16	W130 x 24		5.01	5.00	.360	.240	8.55
x 19	x 28		5.15	5.03	.430	.270	10.2
W6 x 9	W150 x 14		5.90	3.94	.215	.170	5.56
x 12	x 18		6.03	4.00	.280	.230	7.31
x 16	x 24		6.28	4.03	.405	.260	10.2
W6 x 15	W150 x 22		5.99	5.99	.260	.230	9.72
x 20	x 30		6.20	6.02	.365	.260	13.4
x 25	x 37		6.38	6.08	.455	.320	16.7
W8 x 10	W200 x 15		7.89	3.94	.205	.170	7.81
x 13	x 19		7.99	4.00	.255	.230	9.91
x 15	x 22		8.11	4.02	.315	.245	11.8
W8 x 14	W200 x 21		7.98	5.21	.250	.195	11.8
x 18	x 27		8.14	5.25	.330	.230	15.2
x 21	x 31		8.28	5.27	.400	.250	18.2
W8 x 24	W200 x 36		7.93	6.50	.400	.245	20.9
x 28	x 42		8.06	6.54	.465	.285	24.3
W8 x 31	W200 x 46		8.00	8.00	.435	.285	27.5
x 35	x 52		8.12	8.02	.495	.310	31.2
x 40	x 59		8.25	8.07	.560	.360	35.5
x 48	x 71		8.50	8.11	.685	.400	43.3
x 58	x 86		8.75	8.22	.810	.510	52.0
x 67	x 100		9.00	8.28	.935	.570	60.4
W10 x 12	W250 x 18		9.87	3.96	.210	.190	10.9
x 15	x 22		9.99	4.00	.270	.230	13.8
x 17	x 25		10.11	4.01	.330	.240	16.2
x 19	x 28		10.24	4.02	.395	.250	18.8
W10 x 16	W250 x 24		9.95	5.71	.250	.195	16.6
x 22	x 33		10.17	5.75	.360	.240	23.2
x 26	x 39		10.33	5.77	.440	.260	27.9
x 30	x 45		10.47	5.81	.510	.300	32.4
W10 x 33	W250 x 49		9.73	7.96	.435	.290	35.0
x 39	x 58		9.92	7.98	.530	.315	42.1
x 45	x 67		10.10	8.02	.620	.350	49.1
W10 x 49	W250 x 73		9.98	10.00	.560	.340	54.6
x 54	x 80		10.09	10.03	.615	.370	60.0
x 60	x 89		10.22	10.08	.680	.420	66.7
x 68	x 101		10.40	10.13	.770	.470	75.7
x 77	x 115		10.60	10.19	.870	.530	85.9
x 88	x 131		10.84	10.26	.990	.605	98.5
x 100	x 149		11.10	10.34	1.12	.680	112



WIDE FLANGE BEAMS

SPEC A-36/44W/A572-50/A992

New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ²
ASTM Imp.	CDN Metric		Width In.	Thickness (mean) In.		
W12 x 14	W310 x 21	11.91	3.97	.225	.200	14.9
x 16	x 24	11.99	3.99	.265	.220	17.1
x 19	x 28	12.16	4.00	.350	.235	21.3
x 22	x 33	12.31	4.03	.425	.260	25.4
W12 x 21	W310 x 31	12.04	6.45	.290	.195	26.7
x 26	x 39	12.22	6.49	.380	.230	33.4
x 30	x 45	12.34	6.52	.440	.260	38.6
x 35	x 52	12.50	6.56	.520	.300	45.6
W12 x 40	W310 x 60	11.94	8.00	.515	.295	51.9
x 45	x 67	12.06	8.04	.575	.335	58.1
x 50	x 74	12.19	8.08	.640	.370	64.7
W12 x 53	W310 x 79	12.06	10.00	.575	.345	70.6
x 58	x 86	12.19	10.01	.640	.360	78.0
W12 x 65	W310 x 97	12.12	12.00	.605	.390	87.9
x 72	x 107	12.25	12.04	.670	.430	97.4
x 79	x 118	12.38	12.08	.735	.470	107
x 87	x 129	12.53	12.12	.810	.515	118
x 96	x 143	12.71	12.16	.900	.550	131
x 106	x 158	12.89	12.22	.990	.610	145
x 120	x 179	13.12	12.32	1.10	.710	163
x 136	x 202	13.41	12.40	1.25	.790	186
x 152	x 226	13.71	12.48	1.40	.870	209
x 170	x 253	14.03	12.57	1.56	.960	235
x 190	x 283	14.38	12.67	1.74	1.06	263
W12 x 210	W310 x 313	14.72	12.80	1.90	1.18	292
x 230	x 342	15.04	12.91	2.07	1.28	321
x 252	x 375	15.39	12.99	2.25	1.39	351
x 279	x 415	15.87	13.15	2.47	1.53	394
x 305	x 454	16.34	13.23	2.70	1.63	435
x 336	x 500	16.81	13.39	2.96	1.78	483
W14 x 22	W360 x 33	13.74	5.00	.335	.230	29.0
x 26	x 39	13.91	5.02	.420	.255	35.3
W14 x 30	W360 x 45	13.84	6.73	.385	.270	42.0
x 34	x 51	13.98	6.74	.455	.285	48.6
x 38	x 57	14.10	6.77	.515	.310	54.6
W14 x 43	W360 x 64	13.66	8.00	.530	.305	62.7
x 48	x 72	13.79	8.03	.595	.340	70.3
x 53	x 79	13.92	8.06	.660	.370	77.8
W14 x 61	W360 x 91	13.89	10.00	.645	.375	92.2
x 68	x 101	14.04	10.04	.720	.415	103
x 74	x 110	14.17	10.07	.785	.450	112
x 82	x 122	14.31	10.13	.855	.510	123

WIDE FLANGE BEAMS

SPEC A-36/44W/A572-50/A992



New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ³
ASTM Imp.	CDN Metric		Width In.	Thickness (mean) In.		
W14 x 90	W360 x 134	14.02	14.52	.710	.440	143
x 99	x 147	14.16	14.56	.780	.485	157
x 109	x 162	14.32	14.60	.860	.525	173
x 120	x 179	14.48	14.67	.940	.590	190
x 132	x 196	14.66	14.72	1.03	.645	209
W14 x 145	W360 x 216	14.78	15.50	1.09	.680	232
x 159	x 237	14.98	15.56	1.19	.745	254
x 176	x 262	15.22	15.65	1.31	.830	281
x 193	x 287	15.48	15.71	1.44	.890	310
x 211	x 314	15.72	15.80	1.56	.980	338
x 233	x 347	16.04	15.89	1.72	1.07	375
x 257	x 382	16.38	16.00	1.89	1.18	415
x 283	x 421	16.74	16.11	2.07	1.29	459
x 311	x 463	17.12	16.23	2.26	1.41	506
x 342	x 509	17.54	16.36	2.47	1.54	559
x 370	x 551	17.92	16.48	2.66	1.66	607
x 398	x 592	18.29	16.59	2.84	1.77	656
x 426	x 634	18.67	16.70	3.04	1.88	707
x 455	x 677	19.02	16.84	3.21	2.02	756
x 500	x 744	19.60	17.01	3.50	2.19	838
x 550	x 818	20.24	17.20	3.82	2.38	931
x 605	x 900	20.92	17.42	4.16	2.60	1040
x 665	x 990	21.64	17.65	4.52	2.83	1150
x 730	x 1086	22.42	17.89	4.91	3.07	1280
W16 x 26	W410 x 39	15.69	5.50	.345	.250	38.4
x 31	x 46	15.88	5.52	.440	.275	47.2
W16 x 36	W410 x 54	15.86	6.98	.430	.295	56.5
x 40	x 60	16.01	7.00	.505	.305	64.7
x 45	x 67	16.13	7.04	.565	.345	72.7
x 50	x 74	16.26	7.07	.630	.380	81.0
x 57	x 85	16.43	7.12	.715	.430	92.2
W16 x 67	W410 x 100	16.33	10.24	.665	.395	117
x 77	x 114	16.52	10.30	.760	.455	134
x 89	x 132	16.75	10.36	.875	.525	155
x 100	x 149	16.97	10.42	.985	.585	175



WIDE FLANGE BEAMS SPEC A-36/44W/A572-50/A992

New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ³
ASTM Imp.	CDN Metric		Width In.	Thickness (mean) In.		
W18 x 35	W460 x 52	17.70	6.00	.425	.300	57.6
x 40	x 60	17.90	6.02	.525	.315	68.4
x 46	x 68	18.06	6.06	.605	.360	78.8
W18 x 41	W460 x 61	17.70	7.45	.425	.320	70.3
x 45	x 67	17.86	7.48	.499	.335	80.5
x 50	x 74	17.99	7.50	.570	.355	88.9
x 55	x 82	18.11	7.53	.630	.390	98.3
x 60	x 89	18.24	7.56	.695	.415	108
x 65	x 97	18.35	7.59	.750	.450	117
x 71	x 106	18.47	7.64	.810	.495	127
W18 x 76	W460 x 113	18.21	11.04	.680	.425	146
x 86	x 128	18.39	11.09	.770	.480	166
x 97	x 144	18.59	11.14	.870	.535	188
x 106	x 158	18.73	11.20	.940	.590	204
x 119	x 177	18.97	11.26	1.06	.655	231
W21 x 44	W530 x 66	20.66	6.50	.450	.350	81.6
x 50	x 74	20.83	6.53	.535	.380	94.5
x 57	x 85	21.06	6.56	.650	.405	111
W21 x 48	W530 x 72	20.62	8.14	.430	.350	93.8
x 55	x 82	20.80	8.22	.522	.375	110
x 62	x 92	20.99	8.24	.615	.400	127
x 68	x 101	21.13	8.27	.685	.430	140
x 73	x 109	21.24	8.30	.740	.455	151
x 83	x 123	21.43	8.36	.835	.515	171
x 93	x 138	21.62	8.42	.930	.580	192
W21 x 101	W530 x 150	21.36	12.29	.800	.500	227
x 111	x 165	21.51	12.34	.875	.550	249
x 122	x 182	21.68	12.39	.960	.600	273
x 132	x 196	21.83	12.44	1.04	.650	295
x 147	x 219	22.06	12.51	1.15	.720	329
W24 x 55	W610 x 82	23.57	7.00	.505	.395	114
x 62	x 92	23.74	7.04	.590	.430	131
W24 x 56	W610 x 84	23.48	8.90	.460	.355	126
x 61	x 91	23.56	8.93	.500	.380	136
x 68	x 101	23.73	8.96	.585	.415	154
x 76	x 113	23.92	8.99	.680	.440	176
x 84	x 125	24.10	9.02	.770	.470	196
x 94	x 140	24.31	9.06	.875	.515	222
W24 x 104	W610 x 155	24.06	12.75	.750	.500	258
x 117	x 174	24.26	12.80	.850	.550	291
x 131	x 195	24.48	12.86	.960	.605	329
x 146	x 217	24.74	12.90	1.09	.650	371
x 162	x 241	25.00	12.96	1.22	.705	414

WIDE FLANGE BEAMS SPEC A-36/44W/A572-50/A992



New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ³
ASTM Imp.	CDN Metric		Width In.	Thickness (mean) In.		
W27 x 84	W690 x 125	26.71	9.96	.640	.460	213
x 94	x 140	26.92	9.99	.745	.490	243
x 102	x 152	27.09	10.02	.830	.515	267
x 114	x 170	27.29	10.07	.930	.570	299
W27 x 146	W690 x 217	27.38	13.96	.975	.605	411
x 161	x 240	27.59	14.02	1.08	.660	455
x 178	x 265	27.81	14.08	1.19	.725	502
W30 x 90	W760 x 134	29.53	10.4	.610	.470	
x 99	x 147	29.65	10.45	.670	.520	269
x 108	x 161	29.83	10.48	.760	.545	299
x 116	x 173	30.01	10.50	.850	.565	329
x 124	x 185	30.17	10.52	.930	.585	355
x 132	x 196	30.31	10.54	1.00	.615	380
W30 x 173	W760 x 257	30.44	14.98	1.06	.655	539
x 191	x 284	30.68	15.04	1.18	.710	598
x 211	x 314	30.94	15.10	1.31	.775	663
W33 x 118	W840 x 176	32.86	11.48	.740	.550	359
x 130	x 193	33.09	11.51	.855	.580	406
x 141	x 210	33.30	11.54	.960	.605	448
x 152	x 226	33.49	11.56	1.06	.635	487
W33 x 201	W840 x 299	33.68	15.74	1.15	.715	684
x 221	x 329	33.93	15.80	1.28	.775	757
x 241	x 359	34.18	15.86	1.40	.830	829
W36 x 135	W920 x 201	35.55	11.95	.790	.600	439
x 150	x 223	35.85	11.98	.940	.625	504
x 160	x 238	36.01	12.00	1.02	.650	542
x 170	x 253	36.17	12.03	1.10	.680	580
x 182	x 271	36.33	12.08	1.18	.725	623
x 194	x 289	36.49	12.12	1.26	.765	664
x 210	x 313	36.69	12.18	1.36	.830	719
W36 x 231	W920 x 345	36.49	16.47	1.26	.760	837
x 247	x 368	36.67	16.51	1.35	.800	895
x 262	x 390	36.85	16.55	1.44	.840	953
x 282	x 420	37.11	16.60	1.57	.885	1030
x 302	x 449	37.33	16.66	1.68	.945	1110

**WE PROVIDE MILL TEST REPORTS FOR MOST
PRODUCTS ON REQUEST**

WELDED WIDE FLANGE BEAMS SPEC A-36/44W/A572-50/A992



New Designation				Depth In.	Flange		Web Thickness In.
ASTM Imp.		CDN Metric			Width In.	Thickness (mean) In.	
WWF14	x 92	WWF530	x 137	13.78	13.78	.787	.433
	x 104		x 155	13.78	13.78	.866	.551
	x 118		x 176	13.78	13.78	.984	.630
	x 128		x 192	13.78	13.78	1.100	.630
	x 142		x 212	13.78	13.78	1.180	.787
	x 159		x 238	13.78	13.78	1.380	.787
	x 177		x 263	13.78	13.78	1.570	.787
	x 211		x 315	13.78	13.78	1.970	.787
	x 258		x 385	13.78	13.78	2.360	1.180
WWF16	x 105	WWF400	x 157	15.75	15.75	.787	.433
	x 119		x 178	15.75	15.75	.866	.551
	x 135		x 202	15.75	15.75	.984	.630
	x 147		x 220	15.75	15.75	1.100	.630
	x 163		x 243	15.75	15.75	1.180	.787
	x 183		x 273	15.75	15.75	1.380	.787
	x 203		x 303	15.75	15.75	1.570	.787
	x 243		x 362	15.75	15.75	1.970	.787
	x 298		x 444	15.75	15.75	2.360	1.180
WWF18	x 119	WWF450	x 177	17.72	17.72	.787	.433
	x 134		x 201	17.72	17.72	.866	.551
	x 152		x 228	17.72	17.72	.984	.630
	x 166		x 248	17.72	17.72	1.100	.630
	x 184		x 274	17.72	17.72	1.180	.787
	x 207		x 308	17.72	17.72	1.380	.787
	x 229		x 342	17.72	17.72	1.570	.787
	x 275		x 409	17.72	17.72	1.970	.787
	x 337		x 503	17.72	17.72	2.360	1.180
WWF20	x 132	WWF500	x 197	19.69	19.69	.787	.433
	x 150		x 223	19.69	19.69	.866	.551
	x 170		x 254	19.69	19.69	.984	.630
	x 185		x 276	19.69	19.69	1.100	.630
	x 205		x 306	19.69	19.69	1.180	.787
	x 230		x 343	19.69	19.69	1.380	.787
	x 256		x 381	19.69	19.69	1.570	.787
	x 306		x 456	19.69	19.69	1.970	.787
	x 377		x 561	19.69	19.69	2.360	1.180
	x 437		x 651	19.69	19.69	2.360	2.360



WELDED WIDE FLANGE BEAMS

SPEC A-36/44W/A572-50/A992

New Designation				Depth In.	Flange		Web Thickness In.
ASTM Imp.		CDN Metric			Width In.	Thickness (mean) In.	
WWF22	x 146	WWF550	x 217	21.65	21.65	.787	.443
	x 282		x 420	21.65	21.65	1.570	.787
	x 338		x 503	21.65	21.65	1.970	.787
	x 416		x 620	21.65	21.65	2.360	1.180
	x 484		x 721	21.65	21.65	2.360	2.360
WWF28	x 95	WWF700	x 141	27.56	11.81	.787	.354
	x 101		x 151	27.56	11.81	.866	.354
	x 110		x 164	27.56	11.81	.984	.354
	x 124		x 185	27.56	15.75	.866	.354
	x 136		x 203	27.56	15.75	.984	.354
	x 149		x 222	27.56	15.75	1.100	.354
WWF31	x 103	WWF800	x 154	31.50	11.81	.787	.394
	x 109		x 164	31.50	11.81	.866	.394
	x 133		x 198	31.50	15.75	.866	.394
	x 157		x 235	31.50	15.75	1.100	.394
	x 187		x 279	31.50	19.69	1.100	.394
	x 223		x 332	31.50	19.69	1.380	.394
WWF35	x 113	WWF900	x 169	35.43	11.81	.787	.433
	x 128		x 192	35.43	11.81	.984	.433
	x 142		x 213	35.43	15.75	.866	.433
	x 167		x 249	35.43	15.75	1.100	.433
	x 197		x 293	35.43	19.69	1.100	.433
	x 233		x 347	35.43	19.69	1.380	.433
	x 279		x 417	35.43	21.65	1.570	.433
WWF39	x 134	WWF1000	x 200	39.37	11.81	.787	.551
	x 163		x 244	39.37	15.75	.866	.551
	x 188		x 280	39.37	15.75	1.100	.551
	x 217		x 324	39.37	19.69	1.100	.551
	x 253		x 377	39.37	19.69	1.380	.551
	x 300		x 447	39.37	21.65	1.570	.551
WWF43	x 147	WWF1100	x 220	43.31	11.81	.866	.551
	x 171		x 255	43.31	15.75	.866	.551
	x 195		x 291	43.31	15.75	1.100	.551
	x 225		x 335	43.31	19.69	1.100	.551
	x 260		x 388	43.31	19.69	1.380	.551
	x 307		x 458	43.31	21.65	1.570	.551
WWF47	x 176	WWF1200	x 263	47.24	11.81	.984	.630
	x 203		x 302	47.24	15.75	.984	.630
	x 244		x 364	47.24	19.69	1.100	.630
	x 270		x 403	47.24	21.65	1.180	.630
	x 326		x 487	47.24	21.65	1.570	.630



Kelowna, British Columbia

STEEL H PILES

SPEC A-36/44W/A572-50/A992



New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ³
ASTM Imp.	CDN Metric		Width In.	Thickness (mean) In.		
HP8 x 36	HP200 x 54	8.02	8.16	.445	.445	29.8
HP10 x 42	HP250 x 62	9.70	10.08	.420	.415	43.4
x 57	x 85	9.99	10.22	.565	.565	58.8
HP12 x 53	HP310 x 79	11.78	12.04	.435	.435	66.8
x 63	x 94	11.94	12.13	.515	.515	79.1
x 74	x 110	12.13	12.22	.610	.605	93.8
x 84	x 125	12.28	12.28	.685	.685	106
x 89	x 132	12.35	12.33	.720	.720	111
x 102	x 152	12.55	12.62	.820	.820	129
x 117	x 174	12.77	12.87	.930	.930	149
HP13 x 60	HP330 x 89	12.56	12.91	.461	.461	80.6
x 73	x 109	12.76	12.99	.567	.567	98.9
x 87	x 129	12.95	13.11	.665	.665	117
x 100	x 149	13.15	13.19	.764	.764	134
HP14 x 73	HP360 x 108	13.61	14.58	.505	.505	107
x 89	x 132	13.83	14.70	.615	.615	131
x 102	x 152	14.01	14.78	.705	.705	150
x 117	x 174	14.21	14.88	.805	.805	172

Imperial Designation In.	Metric Designation mm	Weight lbs./ft.
1 x 1/2 x 1/8	25.4 x 12.7 x 3.2	.80
1 1/4 x 1/2 x 1/8 x 9/16 x 3/16	31.8 x 12.7 x 3.2 x 14.3 x 4.8	1.00 1.26
1 1/2 x 1/2 x 1/8 x 9/16 x 3/16	38.1 x 12.7 x 3.2 x 14.3 x 4.8	1.13 1.44
2 x 1 x 3/16	50.8 x 25.4 x 4.8	2.32

CHANNELS BAR SIZE SPEC A-36/44W

STANDARD CHANNELS SPEC A-36/44W

New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ²
Old Imp.	CDN Metric		Width In.	Thickness (mean) In.		
C3 x 4.1 x 5.0 x 6.0	C75 x 6 x 7 x 9	3.00	1.41 1.50 1.60	.273 .273 .273	.170 .258 .356	1.11 1.23 1.38
C4 x 5.4 x 6.25 x 7.25	C100 x 8 x 9 x 11	4.00	1.58 1.65 1.72	.296 .296 .296	.184 .247 .321	1.93 2.10 2.30
C5 x 6.7 x 9.0	C130 x 10 x 13	5.00	1.75 1.88	.320 .320	.190 .325	3.00 3.56
C6 x 8.2 x 10.5 x 13.0	C150 x 12 x 16 x 19	6.00	1.92 2.03 2.16	.343 .343 .343	.200 .314 .437	4.37 5.07 5.80
C7 x 9.8 x 12.25 x 14.75	C180 x 15 x 18 x 22	7.00	2.09 2.19 2.30	.366 .366 .366	.210 .314 .419	6.09 6.91 7.77
C8 x 11.5 x 13.75 x 18.75	C200 x 17 x 21 x 28	8.00	2.26 2.34 2.53	.390 .390 .390	.220 .303 .487	8.15 9.03 11.0
C9 x 13.4 x 15.0 x 20.0	C230 x 20 x 22 x 30	9.00	2.43 2.48 2.65	.413 .413 .413	.233 .285 .448	10.6 11.3 13.5
C10 x 15.3 x 20.0 x 25.0 x 30.0	C250 x 23 x 30 x 37 x 45	10.00	2.60 2.74 2.89 3.03	.436 .436 .436 .436	.240 .379 .526 .673	13.5 15.8 18.2 20.6
C12 x 20.7 x 25.0 x 30.0	C310 x 31 x 37 x 45	12.00	2.94 3.05 3.17	.501 .501 .501	.282 .387 .510	21.5 24.0 27.0
C15 x 33.9 x 40.0 x 50.0	C380 x 50 x 60 x 74	15.00	3.40 3.52 3.72	.650 .650 .650	.400 .520 .716	42.0 46.5 53.9

MISCELLANEOUS CHANNELS

SPEC A-36/44W

New Designation		Depth In.	Flange		Web Thickness In.	Section Modulus In. ²
Old Imp.	CDN Metric		Width In.	Thickness (mean) In.		
MC3	x 7.1	MC75 x 10.6	1.94	.351	.312	1.82
	x 9.0		2.12	.351	.497	2.10
MC6	x 12.0	MC150 x 17.9	2.50	.375	.310	6.23
	x 15.1		2.94	.475	.316	8.33
	x 15.3		3.50	.385	.340	8.47
	x 16.3		3.00	.475	.375	8.67
	x 18.0		3.50	.475	.379	9.90
MC7	x 17.6	MC180 x 26.2	3.00	.475	.375	10.7
	x 19.1		3.45	.500	.350	12.3
	x 22.7		3.60	.500	.503	13.6
MC8	x 8.5	MC200 x 12.6	1.87	.311	.179	5.83
	x 18.7		2.98	.500	.353	13.1
	x 20.0		3.02	.500	.400	13.6
	x 21.4		3.45	.525	.375	15.4
	x 22.8		3.50	.525	.427	16.0
MC9	x 23.9	MC230 x 35.6	3.45	.550	.400	18.9
	x 25.4		3.50	.550	.450	19.6
MC10	x 6.5	MC250 x 9.7	1.13	.202	.152	4.42
	x 8.4		1.50	.280	.170	6.40
	x 21.9		3.45	.500	.325	19.7
	x 24.9		3.40	.575	.377	22.0
	x 25.3		3.55	.500	.425	21.4
	x 28.3		3.50	.575	.477	23.6
	x 28.5		3.95	.575	.425	25.4
	x 33.6		4.10	.575	.575	27.8
	x 41.1		4.32	.575	.796	31.6
MC12	x 10.6	MC310 x 15.8	1.50	.309	.190	9.23
	x 30.9		3.45	.600	.450	30.5
	x 32.9		3.50	.600	.500	31.8
	x 35.0		3.77	.700	.467	36.0
	x 37.0		3.60	.600	.600	34.2
	x 40.0		3.89	.700	.590	39.0
	x 45.0		4.01	.700	.712	42.0
	x 50.0		4.14	.700	.835	44.8
MC13	x 31.8	MC330 x 47.3	4.00	.610	.375	36.8
	x 35.0		4.07	.610	.447	38.8
	x 40.0		4.18	.610	.560	42.0
	x 50.0		4.41	.610	.787	48.3
MC18	x 42.7	MC460 x 63.5	3.95	.625	.450	61.6
	x 45.8		4.00	.625	.500	64.2
	x 51.9		4.10	.625	.600	69.7
	x 58.0		4.20	.625	.700	75.1

FLATS HOT ROLLED SPEC A-36/44W

Imperial		
Size In.		Wt. lbs./ft.
1/8 x 1/2		.213
	3/4	.319
	1	.425
	1-1/4	.531
	1-1/2	.638
	1-3/4	.744
	2	.850
	2-1/2	1.063
	3	1.275
	3-1/2	1.488
	4	1.700
	4-1/2	1.913
	5	2.125
	6	2.550
	8	3.400

Imperial		
Size In.		Wt. lbs./ft.
1/4 x 1/2		.425
	3/4	.638
	1	.850
	1-1/4	1.06
	1-1/2	1.28
	1-3/4	1.49
	2	1.700
	2-1/2	2.13
	3	2.550
	3-1/2	2.98
	4	3.400
	4-1/2	3.83
	5	4.250
	5-1/2	4.68
	6	5.100
	7	5.950
	8	6.800
	10	8.510

Imperial		
Size In.		Wt. lbs./ft.
3/8 x 3/4		.956
	1	1.28
	1-1/4	1.59
	1-1/2	1.91
	2	2.550
	2-1/2	3.19
	3	3.83
	3-1/2	4.46
	4	5.100
	4-1/2	5.74
	5	6.38
	6	7.650
	7	8.93
	8	10.200
	10	12.750
	12	15.300

Imperial		
Size In.		Wt. lbs./ft.
3/16 x 1/2		.319
	3/4	.478
	1	.638
	1-1/4	.797
	1-1/2	.956
	1-3/4	1.200
	2	1.28
	2-1/2	1.594
	3	1.913
	3-1/2	2.230
	4	2.550
	4-1/2	2.869
	5	3.19
	6	3.83
	8	5.100

Imperial		
Size In.		Wt. lbs./ft.
5/16 x 1		1.06
	1-1/4	1.33
	1-1/2	1.59
	1-3/4	1.86
	2	2.13
	2-1/2	2.66
	3	3.19
	3-1/2	3.72
	4	4.250
	4-1/2	4.781
	5	5.31
	6	6.38
	7	7.438
	8	8.500

Imperial		
Size In.		Wt. lbs./ft.
1/2 x 1		1.700
	1-1/4	2.130
	1-1/2	2.550
	2	3.400
	2-1/2	4.250
	3	5.100
	3-1/2	5.950
	4	6.800
	4-1/2	7.650
	5	8.500
	6	10.200
	7	11.900
	8	13.600
	10	17.000
	12	20.400

FLATS HOT ROLLED SPEC A-36/44W

Imperial	
Size In.	Wt. lbs./ft.
5/8 x 1	2.13
1-1/2	3.19
2	4.250
2-1/2	5.31
3	6.38
3-1/2	7.44
4	8.500
4-1/2	9.56
5	10.63
6	12.750
7	14.88
8	17.000
10	21.250
12	25.500

Imperial	
Size In.	Wt. lbs./ft.
7/8 x 1	2.975
1-1/2	4.463
2	5.950
2-1/2	7.440
3	8.925
3-1/2	10.413
4	11.900
4-1/2	13.390
5	14.880
6	17.850
8	23.800
10	29.750
12	35.700

Imperial	
Size In.	Wt. lbs./ft.
1-1/4 x 1-1/2	6.375
2	8.550
3	12.750
4	17.000
6	25.500
8	34.000
10	42.500
12	51.000

Imperial	
Size In.	Wt. lbs./ft.
3/4 x 1	2.550
1-1/2	3.825
2	5.100
2-1/2	6.375
3	7.650
3-1/2	8.925
4	10.200
4-1/2	11.475
5	12.750
6	15.300
8	20.400
10	25.500
12	30.600

Imperial	
Size In.	Wt. lbs./ft.
1 x 1-1/2	5.100
2	6.800
2-1/2	8.500
3	10.200
3-1/2	11.900
4	13.600
5	17.000
6	20.400
8	27.200
10	34.000
12	40.800

Imperial	
Size In.	Wt. lbs./ft.
1-1/2 x 2	10.200
3	15.300
4	20.400
6	30.600
8	40.800
10	51.000
12	61.200

ROUNDS HOT ROLLED SPEC A-36/44W



Imperial		Imperial		Imperial		Imperial	
Size In.	Wt. lbs./ft.	Size In.	Wt. lbs./ft.	Size In.	Wt. lbs./ft.	Size In.	Wt. lbs./ft.
1/8	.042	2	10.68	4	42.73	6	96.13
5/32	.065	2-1/16	11.36	4-1/16	44.07	6-1/4	104.20
3/16	.094	2-1/8	12.06	4-1/8	45.44	6-1/2	112.82
7/32	.128	2-3/16	12.78	4-3/16	46.83	6-3/4	121.60
1/4	.167	2-1/4	13.52	4-1/4	49.18		
9/32	.211	2-5/16	14.28	4-5/16	49.66		
5/16	.261	2-3/8	15.06	4-3/8	51.11	7	130.80
11/32	.316	2-7/16	15.87	4-7/16	52.58	7-1/4	140.36
3/8	.376	2-1/2	16.69	4-1/2	54.08	7-1/2	150.10
7/16	.511	2-9/16	17.53	4-9/16	55.59	7-3/4	160.39
1/2	.668	2-5/8	18.40	4-5/8	57.12		
9/16	.845	2-11/16	19.29	4-11/16	58.67		
5/8	1.043	2-3/4	20.20	4-3/4	60.25	8	170.80
11/16	1.262	2-13/16	21.12	4-13/16	61.85	8-1/4	181.75
3/4	1.502	2-7/8	22.07	4-7/8	63.46	8-1/2	192.90
13/16	1.763	2-15/16	23.04	4-15/16	65.10	8-3/4	204.45
7/8	2.045						
15/16	2.347						
1	2.670	3	24.03	5	66.76	9	216.20
1-1/16	3.015	3-1/16	25.04	5-1/16	68.44	9-1/4	228.48
1-1/8	3.380	3-1/8	26.08	5-1/8	70.14	9-1/2	240.90
1-3/16	3.766	3-3/16	27.13	5-3/16	71.86	9-3/4	253.85
1-1/4	4.172	3-1/4	28.21	5-1/4	73.60		
1-5/16	4.600	3-5/16	29.30	5-5/16	75.36	10	267.00
1-3/8	5.049	3-3/8	30.42	5-3/8	77.15	10-1/2	294.40
1-7/16	5.518	3-7/16	31.55	5-7/16	78.95		
1-1/2	6.008	3-1/2	32.71	5-1/2	80.78		
1-9/16	6.519	3-9/16	33.89	5-9/16	82.62		
1-5/8	7.051	3-5/8	35.09	5-5/8	84.49	11	323.10
1-11/16	7.604	3-11/16	36.21	5-11/16	86.38	11-1/2	353.16
1-3/4	8.178	3-3/4	37.55	5-3/4	88.30		
1-13/16	8.773	3-13/16	38.81	5-13/16	90.22		
1-7/8	9.388	3-7/8	40.10	5-7/8	92.17	12	384.53
1-15/16	10.020	3-15/16	41.40	5-15/16	94.14		

SQUARES
HOT ROLLED
SPEC A-36/44W

Imperial	
Size In.	Wt. lbs./ft.
1/8	0.53
3/16	.120
1/4	.213
5/16	.332
3/8	.478
7/16	.651
1/2	.850
9/16	1.08
5/8	1.33
11/16	1.61
3/4	1.91
13/16	2.25
7/8	2.60
15/16	2.99
1	3.40
1-1/16	3.84
1-1/8	4.30
1-3/16	4.80
1-1/4	5.31
1-5/16	5.86
1-3/8	6.43
1-7/16	7.03
1-1/2	7.65
1-5/8	8.98
1-3/4	10.41
1-7/8	11.95
2	13.60
2-1/8	15.35
2-1/4	17.21
2-3/8	19.18
2-1/2	21.25
2-5/8	23.43
2-3/4	25.71
3	30.60
3-1/4	35.92
3-1/2	41.65
3-3/4	47.81
4	54.40

ROUNDS COLD FINISHED

SPEC C1018/C1045/C1144SR/STRESSPROOF



Size In.	Wt. lbs./ft.	Size In.	Wt. lbs./ft.
1/8	.042	2-5/8	18.40
5/32	.065	2-11/16	19.29
3/16	.090	2-3/4	20.20
7/32	.128	2-13/16	21.12
1/4	.167	2-7/8	22.07
9/32	.211	2-15/16	23.04
5/16	.261	3	24.03
11/32	.316	3-1/16	25.04
3/8	.376	3-1/8	26.08
7/16	.510	3-3/16	27.13
1/2	.670	3-1/4	28.21
9/16	.850	3-5/16	29.30
5/8	1.04	3-3/8	30.42
11/16	1.26	3-7/16	31.55
3/4	1.50	3-1/2	32.71
13/16	1.76	3-9/16	33.89
7/8	2.04	3-5/8	35.09
15/16	2.35	3-11/16	36.21
1	2.67	3-3/4	37.55
1-1/16	3.01	3-13/16	38.81
1-1/8	3.38	3-7/8	40.10
1-3/16	3.77	3-15/16	41.40
1-1/4	4.17	4	42.73
1-5/16	4.60	4-1/8	45.44
1-3/8	5.05	4-3/16	46.83
1-7/16	5.52	4-1/4	48.23
1-1/2	6.01	4-5/16	49.66
1-9/16	6.52	4-3/8	51.11
1-5/8	7.05	4-7/16	52.58
1-11/16	7.60	4-1/2	54.07
1-3/4	8.18	4-9/16	55.59
1-13/16	8.77	4-5/8	57.12
1-7/8	9.39	4-11/16	58.67
1-15/16	10.02	4-3/4	60.25
2	10.68	4-7/8	63.46
2-1/16	11.36	4-15/16	65.10
2-1/8	12.06	5	66.76
2-3/16	12.78	5-1/8	70.14
2-1/4	13.52	5-1/4	73.60
2-5/16	14.28	5-7/16	78.95
2-3/8	15.06	5-1/2	80.78
2-7/16	15.87	5-3/4	88.30
2-1/2	16.69	5-5/16	94.14
2-9/16	17.53	6	96.13



**SQUARES
COLD FINISHED
SPEC C1018**

Size In.	Wt. lbs./ft.
1/8	.053
3/16	.120
1/4	.210
5/16	.330
3/8	.480
7/16	.651
1/2	.850
9/16	1.08
5/8	1.33
11/16	1.61
3/4	1.91
13/16	2.25
7/8	2.60
15/16	2.99
1	3.40
1-1/16	3.84
1-1/8	4.30
1-3/16	4.80
1-1/4	5.31
1-5/16	5.86
1-3/8	6.43
1-7/16	7.03
1-1/2	7.65
1-5/8	8.98
1-3/4	10.41
1-7/8	11.95
2	13.60
2-1/8	15.35
2-1/4	17.21
2-3/8	19.18
2-1/2	21.25
2-5/8	23.43
2-3/4	25.71
3	30.60
3-1/2	41.65
4	54.40

• OTHER GRADES AVAILABLE •
• COLD FINISHED FLATS - PLEASE ENQUIRE •

ROUND MECHANICAL TUBING



Size In.	Gauge	Wt. lbs./ft.	Size In.	Gauge	Wt. lbs./ft.
3/4" (.750) OD	16	.476	1-5/8" (1.626) OD	16	1.085
	15	.521		15	1.196
	14	.591		14	1.369
7/8" (.875) OD	16	.562		12	1.768
	15	.618		11	1.932
	14	.702	1.660 OD (1-1/4" P.S.)	16	1.108
	12	.892		15	1.222
	11	.968		14	1.399
1" (1.000) OD	16	.649		12	1.807
	15	.714		11	1.976
	14	.814	1-3/4" (1.750) OD	16	1.171
	12	1.038		15	1.292
	11	1.129		14	1.479
1.050 OD (3/4" P.S.)	16	.684		13	1.681
	15	.753		12	1.912
	14	.858		11	2.091
	12	1.096	1.900 OD (1-1/2" P.S.)	16	1.275
	11	1.193		15	1.407
1-1/4" (1.250) OD	16	.823		14	1.612
	15	.907		12	2.087
	14	1.035	2" (2.000) OD	11	2.283
	12	1.330		16	1.345
	11	1.450		15	1.484
				14	1.701
1-5/16" (1.315) OD (1" P.S.)	16	.869		12	2.203
	15	.957		11	2.412
	14	1.093	2-3/8" (2.375) OD (2" P.S.)	16	1.605
	12	1.405		15	1.773
	11	1.533		14	2.034
1-1/2" (1.500) OD	16	.997		12	2.640
	15	1.099	2-1/2" (2.500) OD	11	2.893
	14	1.257		16	1.692
	12	1.620		15	1.869
	11	1.770		14	2.145
				12	2.786
				11	3.053

NOTE: P.S. indicates pipe size.



ROUND MECHANICAL TUBING

Size In.	Gauge	Wt. lbs./ft.	Size In.	Gauge	Wt. lbs./ft.
2-5/8" (2.625) OD	16	1.779	6" OD	14	5.25
	15	1.965		12	6.86
	14	2.255		10	8.40
	12	2.932	7" OD	14	6.14
	11	3.213		12	8.03
2-3/4" (2.750) OD	16	1.866		10	9.84
	15	2.061	8" OD	14	7.02
	14	2.366		12	9.19
	12	3.077		11	10.11
	11	3.374		10	11.27
2-7/8" (2.875) OD (2-1/2" P.S.)	14	2.477	8-5/8" OD	12	9.92
	12	3.223		10	12.16
	11	3.534	10" OD	12	11.53
3" OD	14	2.588		11	12.67
	12	3.369		10	14.13
	11	3.694	10-3/4" OD	12	12.40
	10	4.105		10	15.21
3-1/2" OD (3" P.S.)	14	3.032	12" OD	12	13.86
	12	3.951		10	17.00
	11	4.336	12-3/4" OD	12	14.73
	10	4.822		10	18.07
4" OD	14	3.475		12	16.19
	12	4.534		10	19.86
	11	4.977	14" OD	12	18.52
	10	5.538		10	22.73
4-1/2" OD (4" P.S.)	14	3.919			
	12	5.116			
	11	5.619			
	10	6.254			
5" OD	14	4.363			
	12	5.699			
	10	6.970			

NOTE: P.S. indicates pipe size.



Leduc, Alberta



**SEAMLESS AND WELDED
STEEL PIPE**
A.S.A. PIPE SCHEDULE 5 AND 10



A.S.A. PIPE SCHEDULE			5	10	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405	.035	.1384	.049	.1864
1/4	.540	.049	.2572	.065	.3300
3/8	.675	.049	.3279	.065	.4238
1/2	.840	.065	.5385	.083	.6716
3/4	1.050	.065	.6844	.083	.8579
1	1.315	.065	.8685	.109	1.405
1-1/4	1.660	.065	1.108	.109	1.807
1-1/2	1.900	.065	1.275	.109	2.086
2	2.375	.065	1.605	.109	2.640
2-1/2	2.875	.083	2.477	.120	3.534
3	3.500	.083	3.031	.120	4.335
3-1/2	4.000	.083	3.475	.120	4.977
4	4.500	.083	3.919	.120	5.618
4-1/2	5.000				
5	5.563	.109	6.355	.134	7.776
6	6.625	.109	7.592	.134	9.298
7	7.625				
8	8.625	.109	9.922	.148	13.41
9	9.625				
10	10.750	.134	15.21	.165	18.67
11	11.750				
12	12.750	.165	22.19	.180	24.19
14	14.000			.250	36.75
16	16.000			.250	42.09
18	18.000			.250	47.43
20	20.000			.250	52.78
24	24.000			.250	63.47

FOR ASA PIPE SCHEDULE BEYOND 10, SEE FOLLOWING PAGES.



SEAMLESS AND WELDED STEEL PIPE

A.S.A. PIPE SCHEDULE 20 AND 30

A.S.A. PIPE SCHEDULE		20		30	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405				
1/4	.540				
3/8	.675				
1/2	.840				
3/4	1.050				
1	1.315				
1-1/4	1.660				
1-1/2	1.900				
2	2.375				
2-1/2	2.875				
3	3.500				
3-1/2	4.000				
4	4.500				
4-1/2	5.000				
5	5.563				
6	6.625				
7	7.625				
8	8.625	.250	22.38	.277	24.72
9	9.625				
10	10.750	.250	28.06	.307	34.27
11	11.750				
12	12.750	.250	33.41	.330	43.81
14	14.000	.312	45.65	.375	54.62
16	16.000	.312	52.32	.375	62.64
18	18.000	.312	58.99	.437	82.05
20	20.000	.375	78.67	.500	104.23
24	24.000	.375	94.71	.562	140.81



SEAMLESS AND WELDED STEEL PIPE

A.S.A. PIPE SCHEDULE 40 AND STANDARD



A.S.A. PIPE SCHEDULE			40	STANDARD	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405	.068	.2450	.068	.2450
1/4	.540	.088	.4252	.088	.4252
3/8	.675	.091	.5681	.091	.5681
1/2	.840	.109	.8518	.109	.8518
3/4	1.050	.113	1.131	.113	1.131
1	1.315	.133	1.680	.133	1.680
1-1/4	1.660	.140	2.274	.140	2.274
1-1/2	1.900	.145	2.720	.145	2.720
2	2.375	.154	3.656	.154	3.656
2-1/2	2.875	.203	5.798	.203	5.798
3	3.500	.216	7.583	.216	7.583
3-1/2	4.000	.226	9.118	.226	9.118
4	4.500	.237	10.80	.237	10.80
4-1/2	5.000	.247	12.55	.247	12.55
5	5.563	.258	14.63	.258	14.63
6	6.625	.280	18.99	.280	18.99
7	7.625	.301	23.57	.301	23.57
8	8.625	.322	28.58	.322	28.58
9	9.625	.342	33.94	.342	33.94
10	10.750	.365	40.52	.365	40.52
11	11.750	.375	45.60	.375	45.60
12	12.750	.406	53.57	.375	49.61
14	14.000	.437	63.36	.375	54.62
16	16.000	.500	82.85	.375	62.64
18	18.000	.562	104.76	.375	70.65
20	20.000	.593	123.02	.375	78.67
24	24.000	.687	171.21	.375	94.71

IN HOUSE PIPE THREADING AVAILABLE



SEAMLESS AND WELDED STEEL PIPE

A.S.A. PIPE SCHEDULE 60 AND 80

A.S.A. PIPE SCHEDULE				60		80	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405			.095	.3148		
1/4	.540			.119	.5356		
3/8	.675			.126	.7395		
1/2	.840			.147	1.089		
3/4	1.050			.154	1.475		
1	1.315			.179	2.174		
1-1/4	1.660			.191	2.999		
1-1/2	1.900			.200	3.635		
2	2.375			.218	5.027		
2-1/2	2.875			.276	7.668		
3	3.500			.300	10.26		
3-1/2	4.000			.318	12.52		
4	4.500	.281	12.67	.337	15.00		
4-1/2	5.000			.375	20.80		
5	5.563						
6	6.625			.432	28.60		
7	7.625						
8	8.625	.406	35.67	.500	43.43		
9	9.625						
10	10.750	.500	54.79	.593	64.39		
11	11.750						
12	12.750	.562	73.22	.687	88.59		
14	14.000	.593	84.99	.750	106.23		
16	16.000	.656	107.60	.843	136.59		
18	18.000	.750	138.30	.937	170.91		
20	20.000	.812	166.56	1.031	209.06		
24	24.000	.968	238.33	1.218	296.63		



SEAMLESS AND WELDED STEEL PIPE

A.S.A. PIPE EXTRA STRONG AND SCHEDULE 100



A.S.A. PIPE SCHEDULE		EXTRA STRONG		100	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405	.095	.3148		
1/4	.540	.119	.5356		
3/8	.675	.126	.7395		
1/2	.840	.147	1.089		
3/4	1.050	.154	1.475		
1	1.315	.179	2.173		
1-1/4	1.660	.191	2.999		
1-1/2	1.900	.200	3.635		
2	2.375	.218	5.027		
2-1/2	2.875	.276	7.668		
3	3.500	.300	10.26		
3-1/2	4.000				
4	4.500	.337	15.00		
4-1/2	5.000	.355	17.63		
5	5.563	.375	20.80		
6	6.625	.432	28.60		
7	7.625	.500	38.08		
8	8.625	.500	43.39	.593	50.92
9	9.625	.500	48.77		
10	10.750	.500	54.79	.718	77.00
11	11.750	.500	60.13		
12	12.750	.500	65.42	.843	107.30
14	14.000	.500	72.16	.937	130.85
16	16.000	.500	82.85	1.031	164.98
18	18.000	.500	93.54	1.156	208.15
20	20.000	.500	104.23	1.280	256.15
24	24.000	.500	125.61	1.531	367.74



SEAMLESS AND WELDED STEEL PIPE

A.S.A. PIPE SCHEDULE 120 AND 140

A.S.A. PIPE SCHEDULE		120		140	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405				
1/4	.540				
3/8	.675				
1/2	.840				
3/4	1.050				
1	1.315				
1-1/4	1.660				
1-1/2	1.900				
2	2.375				
2-1/2	2.875				
3	3.500				
3-1/2	4.000				
4	4.500	.437	18.98		
4-1/2	5.000				
5	5.563	.500	27.06		
6	6.625	.562	36.43		
7	7.625				
8	8.625	.718	60.69	.812	67.82
9	9.625				
10	10.750	.843	89.28	1.000	104.23
11	11.750				
12	12.750	1.000	125.61	1.125	139.81
14	14.000	1.093	150.81	1.250	170.37
16	16.000	1.218	192.47	1.437	223.71
18	18.000	1.375	244.37	1.562	274.48
20	20.000	1.500	296.65	1.750	341.41
24	24.000	1.812	429.79	2.062	483.57



SEAMLESS AND WELDED STEEL PIPE



A.S.A. PIPE SCHEDULE 160 AND DOUBLE EXTRA STRONG

A.S.A. PIPE SCHEDULE			160	DOUBLE EXTRA STRONG	
Pipe Size In.	O.D. In.	Wall Thickness In.	Wt. lbs./ft.	Wall Thickness In.	Wt. lbs./ft.
1/8	.405				
1/4	.540				
3/8	.675				
1/2	.840	.187	1.305	.294	1.716
3/4	1.050	.218	1.939	.308	2.443
1	1.315	.250	2.846	.358	3.662
1-1/4	1.660	.250	3.765	.382	5.219
1-1/2	1.900	.281	4.863	.400	6.414
2	2.375	.343	7.451	.436	9.037
2-1/2	2.875	.375	10.02	.552	13.71
3	3.500	.437	14.31	.600	18.60
3-1/2	4.000			.636	22.87
4	4.500	.531	22.53	.674	27.57
4-1/2	5.000			.710	32.56
5	5.563	.625	32.99	.750	38.59
6	6.625	.718	45.34	.864	53.21
7	7.625			.875	63.14
8	8.625	.906	74.76	.875	72.49
9	9.625				
10	10.750	1.125	115.75		
11	11.750				
12	12.750	1.312	160.42		
14	14.000	1.406	189.29		
16	16.000	1.593	245.34		
18	18.000	1.781	308.79		
20	20.000	1.968	379.36		
24	24.000	2.343	542.44		



HOLLOW STRUCTURAL SECTIONS SQUARE SPEC G40.21 - GR 50 W/A500C

Imperial		Metric		Weight lbs./ft.
Size In.	Thickness In.	Size mm	Thickness mm	
1/2 x 1/2	x .065	12.7 x 12.7	x 1.65	.38
3/4 x 3/4	x .065	19.1 x 19.1	x 1.65	.61
1 x 1	x .065	25.4 x 25.4	x 1.65	.83
	x .083		x 2.11	.95
	x .100		x 2.54	1.14
	x .125		x 3.18	1.35
1-1/4 x 1-1/4	x .083	31.8 x 31.8	x 1.83	1.32
	x .100		x 2.54	1.48
	x .125		x 3.18	1.78
1-1/2 x 1-1/2	x .083	38.1 x 38.1	x 2.11	1.51
	x .100		x 2.54	1.82
	x .125		x 3.18	2.21
	x .188		x 4.78	3.35
2 x 2	x .100	50.8 x 50.8	x 2.54	2.58
	x .110		x 2.79	2.72
	x .125		x 3.18	3.06
	x .188		x 4.78	4.33
	x .250		x 6.35	5.41
2-1/2 x 2-1/2	x .125	63.5 x 63.5	x 3.18	3.91
	x .188		x 4.78	5.61
	x .215		x 5.46	6.20
	x .250		x 6.35	7.11
3 x 3	x .125	76.2 x 76.2	x 3.18	4.76
	x .188		x 4.78	6.89
	x .250		x 6.35	8.81
	x .313		x 7.95	10.59
	x .375		x 9.53	12.2
3-1/2 x 3-1/2	x .125	88.9 x 88.9	x 3.18	5.59
	x .188		x 4.78	8.17
	x .250		x 6.35	10.51
	x .313		x 7.95	12.7
	x .375		x 9.53	14.71
4 x 4	x .125	101.6 x 101.6	x 3.18	6.46
	x .188		x 4.78	9.45
	x .250		x 6.35	12.21
	x .313		x 7.95	14.83
	x .375		x 9.53	17.27
	x .500		x 12.70	21.63
4-1/2 x 4-1/2	x .188	114.3 x 114.3	x 4.78	10.7
	x .250		x 6.35	13.9
	x .313		x 7.95	17.0
	x .375		x 9.53	19.8



HOLLOW STRUCTURAL SECTIONS

SQUARE

SPEC G40.21 - GR 50 W/A500C



Imperial		Metric		Weight lbs./ft.
Size In.	Thickness In.	Size mm	Thickness mm	
5 x 5	x .125	127.0 x 127.0	x 3.18	8.15
	x .188		x 4.78	12.0
	x .250		x 6.35	15.62
	x .313		x 7.95	19.08
	x .375		x 9.53	22.37
	x .500		x 12.70	28.43
6 x 6	x .188	152.4 x 152.4	x 4.78	14.56
	x .250		x 6.35	19.02
	x .313		x 7.95	23.33
	x .375		x 9.53	27.48
	x .500		x 12.70	35.24
7 x 7	x .188	177.8 x 177.8	x 4.78	17.13
	x .250		x 6.35	22.42
	x .313		x 7.95	27.63
	x .375		x 9.53	32.58
	x .500		x 12.70	42.05
8 x 8	x .188	203.2 x 203.2	x 4.78	19.63
	x .250		x 6.35	25.82
	x .313		x 7.95	31.84
	x .375		x 9.53	37.69
	x .500		x 12.70	48.85
10 x 10	x .250	254.0 x 254.0	x 6.35	32.63
	x .313		x 7.95	40.4
	x .375		x 9.53	47.9
	x .500		x 12.70	62.46
12 x 12	x .250	304.8 x 304.8	x 6.35	39.43
	x .313		x 7.95	48.86
	x .375		x 9.53	58.10
	x .500		x 12.70	76.07
14 x 14	x .313	355.6 x 355.6	x 7.95	57.36
	x .375		x 9.53	68.31
	x .500		x 12.70	89.68
16 x 16	x .313	406.4 x 406.4	x 7.95	65.87
	x .375		x 9.53	78.52
	x .500		x 12.70	103.30

IN HOUSE SAW CUTTING AVAILABLE



HOLLOW STRUCTURAL SECTIONS RECTANGULAR SPEC G40.21 - GR 50 W/A500C

Imperial		Metric		Weight lbs./ft.
Size In.	Thickness In.	Size mm	Thickness mm	
2 x 1	x .083	50.8 x 25.4	x 2.11	1.54
	x .100		x 2.54	1.82
	x .125		x 3.18	2.21
2-1/2 x 1-1/2	x .125	63.5 x 38.1	x 3.18	3.06
	x .188		x 4.78	4.33
3 x 1	x .100	76.2 x 25.4	x 2.54	2.58
	x .125		x 3.18	3.06
	x .188		x 4.78	4.32
	x .250		x 6.35	5.41
3 x 1-1/2	x .100	76.2 x 38.1	x 2.54	2.92
	x .125		x 3.18	3.48
	x .188		x 4.78	4.96
3 x 2	x .125	76.2 x 50.8		3.91
	x .188		x 4.78	5.61
	x .250		x 6.35	7.11
3-1/2 x 2-1/2	x .188	88.9 x 63.5	x 4.78	6.89
	x .250		x 6.35	8.80
4 x 2	x .125	101.6 x 50.8	x 3.18	4.76
	x .188		x 4.78	6.89
	x .250		x 6.35	8.81
4 x 3	x .125	101.6 x 76.2	x 3.18	5.61
	x .188		x 4.78	8.17
	x .250		x 6.35	10.51
	x .375		x 9.53	14.71
5 x 2	x .125	127.0 x 50.8	x 3.18	5.61
	x .188		x 4.78	8.17
	x .250		x 6.35	10.51
	x .375		x 9.53	14.7
5 x 3	x .188	127.0 x 76.2	x 4.78	9.45
	x .250		x 6.35	12.21
	x .375		x 9.53	17.27

HOLLOW STRUCTURAL SECTIONS RECTANGULAR SPEC G40.21 - GR 50 W/A500C



Imperial		Metric		Weight lbs./ft.
Size In.	Thickness In.	Size mm	Thickness mm	
6 x 2	x .125	152.4 x 50.8	x 3.18	6.46
	x .188		x 4.78	9.45
	x .250		x 6.35	12.21
	x .313		x 7.95	14.8
	x .375		x 9.53	17.27
6 x 3	x .188	152.4 x 76.2	x 4.78	10.7
	x .250		x 6.35	13.91
	x .313		x 7.95	17.0
	x .375		x 9.53	19.82
6 x 4	x .188	152.4 x 101.6	x 4.78	12.0
	x .250		x 6.35	15.62
	x .313		x 7.95	19.08
	x .375		x 9.53	22.37
	x .500		x 12.70	28.43
7 x 5	x .188	177.8 x 127.0	x 4.78	14.56
	x .250		x 6.35	19.02
	x .313		x 7.95	23.4
	x .375		x 9.53	27.48
	x .500		x 12.70	35.24
8 x 2	x .188	203.2 x 50.8	x 4.78	11.90
	x .250		x 6.35	15.62
	x .375		x 9.53	21.9
8 x 3	x .188	203.2 x 76.2	x 4.78	13.3
	x .250		x 6.35	17.3
	x .375		x 9.53	24.9
8 x 4	x .188	203.2 x 101.6	x 4.78	14.56
	x .250		x 6.35	19.02
	x .313		x 7.95	23.4
	x .375		x 9.53	27.48
	x .500		x 12.70	35.24
8 x 6	x .188	203.2 x 152.4	x 4.78	17.13
	x .250		x 6.35	22.42
	x .313		x 7.95	27.63
	x .375		x 9.53	32.58
	x .500		x 12.70	42.05
8-1/2 x 2	x .109	215.9 x 50.8	x 2.77	7.52
	x .125		x 3.18	8.60
	x .188		x 4.78	12.66
	x .250		x 6.35	16.5



HOLLOW STRUCTURAL SECTIONS RECTANGULAR SPEC G40.21 - GR 50 W/A500C

Imperial		Metric		Weight lbs./ft.
Size In.	Thickness In.	Size mm	Thickness mm	
10 x 4	x .188	254.0 x 101.6	x 4.78	17.1
	x .250		x 6.35	22.42
	x .313		x 7.95	27.63
	x .375		x 9.53	32.6
10 x 6	x .250	254.0 x 152.4	x 6.35	25.82
	x .313		x 7.95	31.84
	x .375		x 9.53	37.69
	x .500		x 12.70	48.85
10 x 8	x .250	254.0 x 203.2	x 6.35	29.23
	x .375		x 9.53	41.9
	x .500		x 12.70	54.1
12 x 6	x .250	304.8 x 152.4	x 6.35	29.23
	x .375		x 9.53	41.9
	x .500		x 12.70	54.1
12 x 8	x .250	304.8 x 203.2	x 6.35	32.63
	x .313		x 7.95	40.4
	x .375		x 9.53	47.9
	x .500		x 12.70	62.46
14 x 6	x .250	355.6 x 152.4	x 6.35	32.63
	x .313		x 7.95	40.35
	x .375		x 9.53	47.90
	x .500		x 12.70	62.46
14 x 10	x .313	355.6 x 254.0	x 7.95	48.86
	x .375		x 9.53	58.10
	x .500		x 12.70	76.07
16 x 8	x .313	406.4 x 203.2	x 7.95	48.86
	x .375		x 9.53	58.10
	x .500		x 12.70	76.07
16 x 12	x .313	406.4 x 304.8	x 7.95	57.36
	x .375		x 9.53	68.31
	x .500		x 12.70	89.68



Delta, British Columbia



**STEEL SHEET
HOT ROLLED
SPEC A569/A1011**

Manufacturers' Sheet Gauge No.	Thickness Equivalent	Pounds Per Square Foot
7	.1793	7.5
10	.1345	5.625
11	.1196	5.0
12	.1046	4.38
13	.0897	3.75
14	.0747	3.13
16	.0598	2.5

Reference table only

PROCESSING CAPABILITIES

- PLATE SHEAR - 3/4" x 20'
- 1/2" x 26'
- BRAKE - 1500 TONS x 26'
- COMPUTERIZED BACKSTOP
- PLATE ROLLING - MAX. 1 5/8" THICK x 120" LONG

INQUIRE FOR OTHER GRADES

**STAINLESS STEEL AND ALUMINUM SHEET
AVAILABLE UPON REQUEST**

Imperial Reference Table Only

Thickness - In.		Theoretical Weight lbs./sq. ft.
Fractions	Decimals	
3/16	.1875	7.66
1/4	.25	10.21
5/16	.3125	12.76
3/8	.375	15.32
7/16	.4375	17.87
1/2	.5	20.42
9/16	.5625	22.97
5/8	.625	25.53
3/4	.75	30.63
7/8	.875	35.73
1	1	40.84
1-1/4	1.25	51.05
1-3/8	1.375	56.15
1-1/2	1.5	61.26
1-3/4	1.75	71.47
2	2	81.68
2-1/2	2.5	102.10
3	3	122.52
3-1/2	3.5	142.93
4	4	163.35
4-1/2	4.5	183.77
5	5	204.19
5-1/2	5.5	224.61
6	6	245.03
6-1/2	6.5	265.45

*Plate weights are computed on the basis of 40.84 lbs./sq. ft. per inch thick (490.06 lbs./cu. ft.)

Q.T. 100, A.R. 200, 360, & 425, PRESSURE VESSEL ALSO IN STOCK.

INQUIRE FOR OTHER GRADES

**FLAME AND PLASMA CUTTING
- 10' X 40' TABLE - ANY MULTI SHAPE
OR STRAIGHT CUTTING**



**HOT ROLLED CARBON STEEL
CHECKERED PLATE
SPEC COMMERCIAL QUALITY**

Gauge	Thickness - In.	Pounds Per Square Foot
14 gauge	.0747	3.75
12 gauge	.1046	5.25
1/8"	.125	6.16
3/16"	.1875	8.71
6mm	.236	10.60
1/4"	.250	11.26
5/16"	.3125	13.81
3/8"	.375	16.37
7/16"	.4375	18.90
1/2"	.500	21.47

***Thickness is measured exclusive of raised figures.**

OUR MOST POPULAR PRODUCT IS OUR SERVICE

PREPAINTED STEEL

Colour	Gauge						30 GA Polyster	30 GA SMP
	22 GA SMP/SDP	24 GA SMP/SDP	24 GA Metallic	24 GA PVDF	26 GA SMP/SDP	30 GA Polyster		
DARK BROWN		X			X	X		
METRO BROWN		X			X			
COFFEE BROWN					X	X	X	
WHITE WHITE		X			X	X	X	
MAKIN WHITE		X			X	X		
CAMBRIDGE WHITE	X	X			X			
SURF WHITE		X			X			
BONE WHITE	X	X			X			X
BRIGHT WHITE					X	X		
REGENT GREY	X	X			X			
STONE GREY		X			X			
TILE RED		X			X			
BRIGHT RED		X			X			
DARK RED		X			X			X
SLATE BLUE		X			X			
ROYAL BLUE		X			X			
SAPPHIRE BLUE					X			
LABRADOR BLUE					X			
HERON BLUE		X			X			
MELCHERS GREEN		X			X			X
FOREST GREEN		X			X			
HARTFORD GREEN		X						
PACIFIC TURQUOISE		X			X			
TAN	X	X			X	X		
BRIARWOOD TAN		X			X			
ANTIQUE LINEN		X			X			
PEBBLESTONE					X	X		
CASHMERE					X			
WICKER					X	X		
BLACK		X			X	X	X	
CHARCOAL		X			X	X	X	
COPPER PENNY			X	X				
SILVER METALLIC		X	X					
WEATHERED ZINC		X						
WEATHERED COPPER		X						
REGAL WHITE				X				
REGAL BLUE				X				
SANDSTONE				X				
MATTE BLACK				X				
DARK BRONZE				X				
MEDIUM BRONZE				X				
SLATE GREY				X				

	LBS PER SQUARE FEET	THICKNESS INCHES
16 OZ	1	0.02
20 OZ	1.25	0.024
24 OZ	1.5	0.032

ROOFING COPPER

GAUGE	LBS PER SQUARE FEET	THICKNESS INCHES
24 GA	0.29	0.02
22 GA	0.363	0.025
20 GA	0.465	0.032
18 GA	0.58	0.04
16 GA	0.74	0.05
14 GA	0.928	0.063

ALUMINUM

COATED STEEL PRODUCTS

GAUGE	GALVANIZED	GALVANNEAL	GALVALUME	LBS PER SQUARE FT	THICKNESS INCHES
10 GA X COIL	X			5.781	0.135
12 GA X COIL	X			4.531	0.104
14 GA X COIL	X			3.281	0.078
16 GA X COIL	X	X	X	2.656	0.059
18 GA X COIL	X	X	X	2.156	0.048
20 GA X COIL	X	X	X	1.656	0.038
22 GA X COIL	X	X	X	1.406	0.032
24 GA X COIL	X	X	X	1.156	0.024
26 GA X COIL	X		X	0.906	0.021
28 GA X COIL	X		X	0.781	0.018
30 GA X COIL	X		X	0.656	0.015

REINFORCING BARS

METRIC STANDARD REINFORCING BARS								
BAR SIZE	MASS	WEIGHT	NOMINAL DIMENSIONS - ROUND BARS					
			Diameter		Cross Sectional Area		Perimeter	
Designation	Kg/m	lbs./ft.	mm	in.	mm ²	in. ²	mm	in.
10M	.785	.530	11.3	.445	100	.16	35.5	1.398
15M	1.570	1.06	16.0	.630	200	.31	50.1	1.972
20M	2.355	1.58	19.5	.768	300	.47	61.3	2.413
25M	3.925	2.64	25.2	.992	500	.78	79.2	3.118
30M	5.495	3.69	29.9	1.177	700	1.09	93.9	3.697
35M	7.850	5.28	35.7	1.405	1000	1.55	112.2	4.417
45M	11.775	7.912	43.7	1.720	1500	2.33	137.3	5.406
55M	19.625	13.187	56.4	2.220	2500	3.88	177.2	6.976

¹ The nominal dimensions of a deformed bar are equivalent to those of a plain bar having the same mass per metre (weight per foot) as the deformed bar.

STOCKED IN 6 METRE LENGTHS

Bars are available in three grades providing different levels of strength.

GRADE	Minimum Tensile Strength		Minimum Yield Strength ²	
	MPa	Ksi	MPa	Ksi
300	450	65.3	300	43.5
350	550	79.8	350	50.8
400	600	87.0	400	58.0

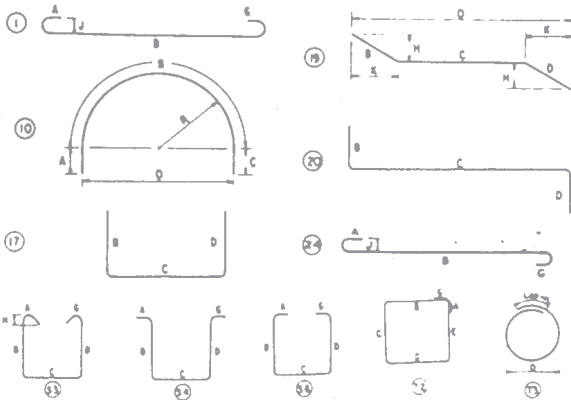
² Yield Point

REINFORCING MESH

Standard Roll Size: 5'x100', 5'x200'
Standard Sheet Size: 7'x20', 7.5'x20'

Imperial Destination	WGHT./SQ. FT.
6 x 6 x 10/10	.210
6 x 6 x 8/8	.300
6 x 6 x 6/6	.420
6 x 6 x 4/4	.580
4 x 4 x 10/10	.287
4 x 4 x 8/8	.413
4 x 4 x 6/6	.580
4 x 4 x 4/4	.857

TYPICAL BAR BENDS



Notes:

1. All dimensions are out-to-out of bar except A or G on standard 180-deg and 135-deg hooks.

2. The I dimension on 180-deg hooks to be shown only when necessary to restrict hook size: otherwise standard hooks are to be used.

3. Where I is not shown I will be kept equal to or less than H on truss bars. Where I can exceed H , it should be shown.



4. The H dimension on stirrups to be shown where necessary to fit within concrete.

5. Where bars are to be bent more accurately than standard bending tolerances, bending dimensions which require closer fabrication should have limits indicated.

6. Figures in circles show types.

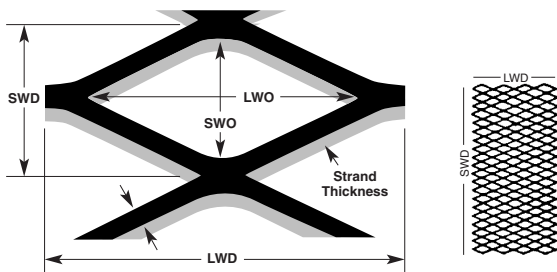
7. For minimum bend diameters, see Section 3.7.1 of this standard; for recommended hook dimensions, see Table 1.

8. Types S1-S9, S11, T1-T9 apply to Bar Sizes #3 - #8 inclusive only.

EXPANDED METAL

TERMINOLOGY

BOND: WHERE TWO STRANDS INTERSECT



S.W.D.: Short way of the diamond. Measured from the centre of one bond to the centre of the next.

L.W.D.: Long way of the diamond. Measured as above.

S.W.O.: Short way of the opening. Measured from the inside of the bonds.

L.W.O.: Long way of the opening. Measured as above.

Strand Thickness: Gauge thickness of the material before expanding.

Strand Width: Thickness of the material in one strand.



FLATTENED EXPANDED METALS - STEEL

CARBON

STYLE	Lbs. Per 100 Sq. ft. Plain	Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Sizes (inches)		Strand Size (inches)	
		LWD	SWD	SWD	LWD	SWO	LWO	Width	Thick- ness
3/16" - 22	55	8	4	.218	.500	.094	.343	.063	.027
3/16" - 20	86	8	4	.218	.500	.094	.343	.063	.032
1/4" - 20	88	8	4	.250	1.05	.084	.715	.079	.030
1/4" - 18	108	8	4	.250	1.05	.075	.715	.080	.040
5/16" - 18	95	8	4	.333	1.03	.172	.813	.092	.040
1/2" - 20	40	8	4	.500	1.25	.375	1.00	.079	.029
1/2" - 18	66	8	4	.500	1.25	.312	1.00	.097	.040
1/2" - 16	82	8	4	.500	1.25	.312	1.00	.096	.050
1/2" - 13	140	8	4	.500	1.25	.265	1.00	.107	.070
3/4" - 16	51	8	4	.923	2.10	.750	1.75	.110	.048
3/4" - 13	75	8	4	.923	2.10	.688	1.781	.106	.070
3/4" - 9	171	8	4	.923	2.10	.563	1.688	.165	.120
1" - 16	44	8	4	1.00	2.30	.813	2.10	.098	.051
1" - 14	72	8	4	1.00	2.30	.813	2.00	.125	.070
1" - 12	101	8	4	1.00	2.30	.813	2.00	.156	.085
1" - 10 L	165	8	4	1.00	2.30	.813	2.00	.165	.120
1 1/2" - 13	57	8	4	1.33	3.20	1.060	2.750	.116	.070
1 1/2" - 12	66	8	4	1.33	3.20	1.296	2.750	.110	.085
1 1/2" - 9	114	8	4	1.33	3.20	1.00	2.560	.158	.110
1 1/2" - 10 L	165	8	4	1.33	3.20	.900	2.563	.188	.110

Weights, Gauges, Dimensions and Sizes listed above are approximate.

STOCK SIZES for all meshes listed above 4' (SWD) x 8' (LWD)
Special size sheet can be produced to order.



STANDARD EXPANDED METALS - STEEL

CARBON

STYLE	Lbs. Per 100 Sq. ft. Plain	Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Sizes (inches)		Strand Size (inches)	
		LWD	SWD	SWD	LWD	SWO	LWO	Width	Thick- ness
3/16" - 22	56	8	4	.203	.500	.110	.313	.047	.030
3/16" - 20	90	8	4	.203	.500	.080	.313	.063	.036
1/4" - 20	86	8	4	.250	1.00	.125	.718	.072	.036
1/4" - 18	114	8	4	.250	1.00	.110	.718	.072	.048
5/16" - 20	74	8	4	.292	.750	.158	.563	.067	.036
5/16" - 18	104	8	4	.333	1.000	.188	.688	.084	.048
1/2" - 20	43	8	4	.500	1.20	.438	.938	.072	.036
1/2" - 18	70	8	4	.500	1.20	.438	.938	.088	.048
1/2" - 16	86	8	4	.500	1.20	.375	.938	.087	.060
1/2" - 13	147	8	4	.500	1.20	.312	.938	.096	.090
3/4" - 16	54	8	4	.923	2.00	.813	1.75	.101	.060
3/4" - 13	80	8	4	.923	2.00	.750	1.680	.096	.090
3/4" - 10	120	8	4	.923	2.00	.750	1.625	.144	.090
3/4" - 9	180	8	4	.923	2.00	.688	1.564	.149	.134

Weights, Gauges, Dimensions and Sizes listed above are approximate.

STOCK SIZES for all meshes listed above 4' (SWD) x 8' (LWD)
Special size sheet can be produced to order.



STANDARD EXPANDED METALS - STEEL

CARBON

STYLE	Lbs. Per 100 Sq. ft. Plain	Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Sizes (inches)		Strand Size (inches)	
		LWD	SWD	SWD	LWD	SWO	LWO	Width	Thick- ness
1" - 16	47	8	4	1.00	2.250	.938	2.000	.087	.060
1" - 14	78	8	4	1.000	2.250	.875	1.563	.122	.074
1" - 12	96	8	4	1.000	2.250	.907	1.560	.109	.105
1" - 10L	170	8	4	1.000	2.250	.750	1.563	.155	.135
1" - 10H	200	8	4	1.000	2.250	.750	1.563	.180	.135
1 1/2" - 13	60	8	4	1.33	3.00	1.188	2.500	.105	.090
1 1/2" - 10	79	8	4	1.33	3.00	1.188	2.500	.138	.092
1 1/2" - 12	74	8	4	1.33	3.00	1.112	2.375	.109	.105
1 1/2" - 9	120	8	4	1.33	3.00	1.125	2.375	.142	.134
1 1/2" - 10L	170	8	4	1.33	3.00	1.000	2.375	.200	.135
1 1/2" - 10H	200	8	4	1.33	3.00	.830	2.375	.240	.135
1 1/2" - 6	250	8	4	1.33	3.00	1.110	2.313	.203	.198

Weights, Gauges, Dimensions and Sizes listed above are approximate.

STOCK SIZES for all meshes listed above 4' (SWD) x 8' (LWD)
Special size sheet can be produced to order.



STRUCTURAL GRATING

CARBON

STYLE	Lbs. Per Sq. Ft.		Standard Sheet Size (ft.)		Design Sizes (inches)		Opening Sizes (inches)		Strand Size (inches)		Overall Thickness (inches)	No. of Designs per Ft.		% Open Area
	Plain	Galv. Wt.	SWD	LWD	SWD	LWD	SWO	LWO	Width	Thick-ness		SWD	LWD	
3.0 lbs.	3.0	3.15	8 8 8 10	3 4 5.6 3	1.33	5.33	.940	3.44	.264	.183	.540	9	2.25	60
3.14 lbs.	3.14	3.30	8 8 8 10	3 4 4 3	2.00	6.00	1.625	4.88	.312	.250	.656	6	2	69
4.0 lbs.	4.0	4.18	8 8 8 10	3 4 4 3	1.33	5.33	.940	3.40	.300	.215	.618	9	2.25	55
4.27 lbs.	4.27	4.46	8 8 8 10	3 4 4 3	1.41	4.00	1.00	2.88	.300	.250	.625	8.5	3	58
5.0 lbs.	5.0	5.20	8 8 8 10	3 4 4 3	1.33	5.33	.813	3.38	.331	.250	.655	9	2.25	50
6.25 lbs.	6.25	6.47	8 8 8 10	3 4 4 3	1.41	5.33	.813	3.38	.350	.312	.715	8.5	2.25	50
7.0 lbs.	7.0	7.25	4	8	1.41	5.33	.813	3.38	.391	.312	.740	8.5	2.25	45

Weights, Gauges, Dimensions and Sizes listed above are approximate.

STOCK SIZES for all meshes listed above 8' (SWD) x 4' (LWD)
Special size sheet can be produced to order.



WELDED BAR GRATING

Type 19-4 (Standard")

Cross Bars 4 ins. c. to c.

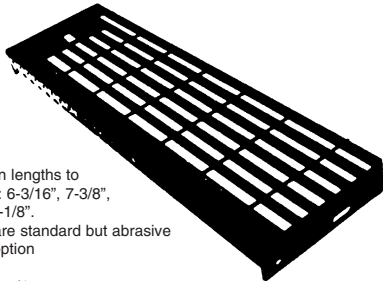
Bearing Bars 1-3/16 ins. c. to c.

Sizes Available	Bearing Bars in.	Weight lbs./sq. ft.
	3/4 x 1/8	3.99
	3/4 x 3/16	5.87
	1 x 1/8	5.15
	1 x 3/16	7.35
	1-1/4 x 1/8	6.20
	1-1/4 x 3/16	9.03
	1-1/2 x 1/8	7.35
	1-1/2 x 3/16	10.95
	1-3/4 x 3/16	12.62
	2 x 3/16	14.30
	2-1/4 x 3/16	15.87
	2-1/2 x 3/16	17.55

Finish factory dip black or red.

*Type 19-4 is our standard recommended for most normal usage. However, types with different spacings are available as specified: 19-2, 15-4, and 15-2. (The figure represents the spacing of the bearing bars in sixteenth of an inch: the second figure the spacing of cross bars in inches).

WELDED STAIR TREADS



Stair treads are available in lengths to suit in the following widths: 6-3/16", 7-3/8", 8-9/16", 10-15/16", and 12-1/8".

Checkered plate nosings are standard but abrasive nosing is available as an option

Finish: factory dip red.

**BAR GRATING AND TREADS AVAILABLE IN
BOTH PLAIN AND SERRATED**



DECK SPAN (SAFETY GRATING)

Size In.	Gauge	Length	Wt. Each
4-3/4 x 1-1/2	14	12'	27.60
4-3/4 x 2	14	12'	31.20
4-3/4 x 1-1/2	12	12'	38.40
4-3/4 x 2	12	12'	43.20
7 x 1-1/2	14	12'	36.00
7 x 2	14	12'	38.40
7 x 1-1/2	12	12'	49.20
7 x 2	12	12'	54.00
9-1/2 x 1-1/2	14	12'	43.20
9-1/2 x 2	14	12'	45.60
9-1/2 x 1-1/2	12	12'	60.00
9-1/2 x 2	12	12'	64.80
11-3/4 x 1-1/2	14	12'	50.40
11-3/4 x 2	14	12'	52.80
11-3/4 x 1-1/2	12	12'	70.80
11-3/4 x 2	12	12'	74.40
18-3/4 x 1-1/2	14	12'	73.20
18-3/4 x 2	14	12'	75.60
18-3/4 x 1-1/2	12	12'	102.00
18-3/4 x 2	12	12'	106.80
24 x 2	12	12'	124.80
24 x 3	12	12'	133.20

**DECK SPAN IS ALSO AVAILABLE IN ALUMINUM AND
STAINLESS STEEL**



QUICK REFERENCE NOTES

To find circumference of a circle, multiply diameter by 3.1416.

To find diameter of a circle, multiply circumference by .31831.

To find area of a circle, multiply square of radius by 3.1416.

To find the surface of a sphere, multiply square of diameter by 3.1416.

To find volume of a sphere, multiply cube of diameter by .5236.

To find side of an inscribed square, multiply diameter by .7071.

To find side of an equal square, multiply diameter by .8862

To find diagonal of a square, multiply side by 1.4142.

To find diameter of an equal circle, multiply side by 1.128

To find area of an ellipse, multiply product of both diameters by .7854.

To find contents of a cone, multiply area of base by 1/3 altitude.

To find surface of frustrum of a cone or pyramid, multiply sum of circumferences of both ends by 1/2 slant height and add area of both ends.

To find contents of frustrum of cone or pyramid, multiply areas of top and bottom and take square root. Add area of top and bottom to square root and multiply sum by 1/3 altitude.

1 cubic foot of water at 62°F weighs 62.355 lbs. and contains 6.23 Imperial gallons (7.48 U.S. gallons).

1 Imperial gallon = 277.41 cubic inches; 1 U.S. gallon = 231 cubic inches.

To find pressure in pounds per square inch of a column of water, multiply height of the column in feet by .433.

One horsepower is the amount of energy required to raise 33,000 lbs. one foot per minute.

One horsepower = .746 kilowatts = 30 pounds of water evaporated per hour from a feed water temperature of 100°F into steam at 70 lbs. gauge pressure.

To convert temperatures from Fahrenheit to Centigrade and vice versa, substitute in the following formula:

$$\frac{F - 32}{180} = \frac{C}{100}$$

To find gallons per tank, multiply length x width x height, divide by 236, multiply x .86



DECIMALS OF AN INCH FOR EACH 64TH

with millimeter equivalents

Fraction	64ths	Decimal	Millimeters	Fraction	64ths	Decimal	Millimeters
-	1	.015625	0.39688	-	33	.515625	13.09690
1/32	2	.03125	0.79375	17/32	34	.53125	13.49378
-	3	.046875	1.19063	-	35	.546875	13.89065
1/16	4	.0625	1.58750	9/16	36	.5625	14.28753
-	5	.078125	1.98438	-	37	.578125	14.68440
3/32	6	.09375	2.38125	19/32	38	.59375	15.08128
-	7	.109375	2.77813	-	39	.609375	15.47816
1/8	8	.125	3.17501	5/8	40	.625	15.87503
-	9	.140625	3.57188	-	41	.640625	16.27191
5/32	10	.15625	3.96876	21/32	42	.65625	16.66878
-	11	.171875	4.36563	-	43	.671875	17.06566
3/16	12	.1875	4.76251	11/16	44	.6875	17.46253
-	13	.203125	5.15939	-	45	.708125	17.85941
7/32	14	.21875	5.55626	23/32	46	.71875	18.25629
-	15	.234375	5.95314	-	47	.734375	18.65316
1/4	16	.25	6.35001	3/4	48	.75	19.05004
-	17	.265625	6.74689	-	49	.765625	19.44691
9/32	18	.28125	7.14376	25/32	50	.78125	19.84379
-	19	.296875	7.54064	-	51	.796875	20.24067
5/16	20	.3125	7.93752	13/16	52	.8125	20.63754
-	21	.328125	8.33439	-	53	.828125	21.03442
11/32	22	.34875	8.73127	27/32	54	.84875	21.43129
-	23	.359375	9.12814	-	55	.859375	21.82817
3/8	24	.375	9.52502	7/8	56	.875	22.22504
-	25	.390625	9.92189	-	57	.890625	22.62192
13/32	26	.40625	10.31877	29/32	58	.90625	23.01880
-	27	.421875	10.71565	-	59	.921875	23.41567
7/16	28	.4375	11.11252	15/16	60	.9375	23.81255
-	29	.453125	11.50940	-	61	.953125	25.20942
15/32	30	.46875	11.90627	31/32	62	.96875	24.60630
-	31	.484375	12.30315	-	63	.984375	25.00308
1/2	32	.5	12.70003	1	64	1	25.40005



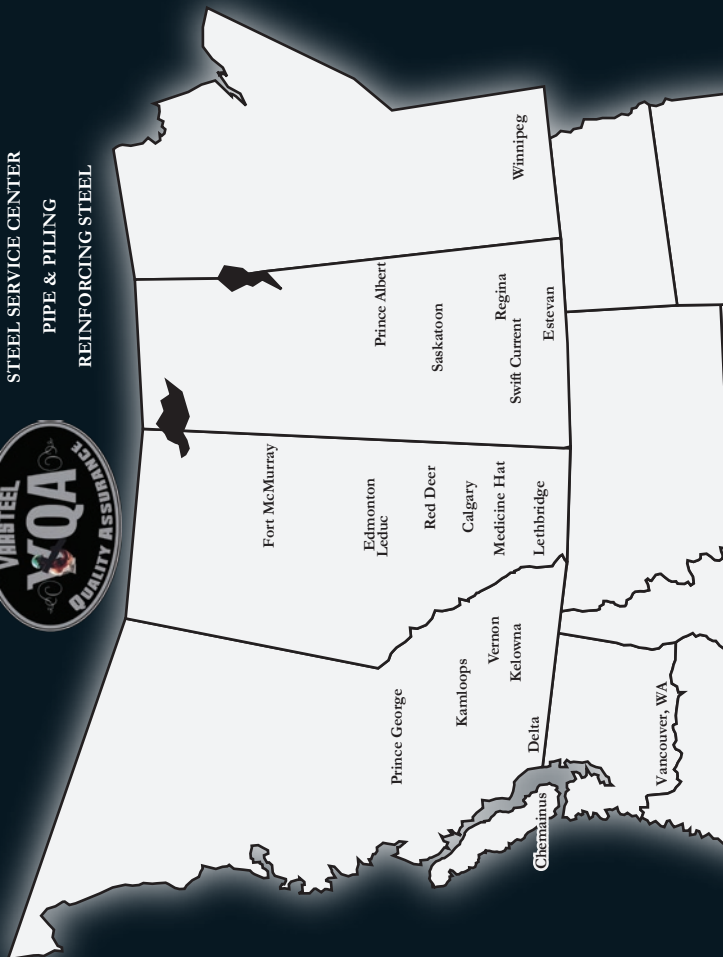
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