

# FABRICATED STRUCTURAL STEEL AND STEEL BUILDINGS FROM CANADA

Ottawa, Canada - January, 1981



Government of Canada

Industry, Trade and Commerce

Gouvernement du Canada

Industrie et Commerce

# FABRICATED STRUCTURAL STEEL

# AND STEEL BUILDINGS

# FROM CANADA



Iron & Steel Division
Department of Industry, Trade
 and Commerce

Ottawa, Canada January, 1981

# PREFACE

Firms listed in this publication are co-operating with the Department of Industry, Trade and Commerce of the Government of Canada to expand their domestic base and penetrate export markets.

Inquiries concerning the capabilities of these firms should be directed to each individual firm or to the Iron and Steel Division, Department of Industry, Trade and Commerce, Ottawa, telephone (613) 992-0025, Telex 053-4124.

# ACKNOWLEDGEMENTS

The publication of this report was made possible through the co-operation of the staffs of the Canadian Institute of Steel Construction, the Canadian Sheet Steel Building Institute and the Canadian Steel Construction Council, and the network of steel fabricating firms across Canada. Assistance was provided by provincial government officials, regional offices of the Department of Industry, Trade and Commerce and by the Construction and Consulting Services Branch of this Department. The assistance of all concerned is acknowledged with thanks.

# INTRODUCTION

The Canadian fabricated structural steel industry comprises over one hundred firms which specialize in steel fabrication and erection for all types of construction. The industry extends from coast-to-coast across Canada, with the highest concentration in Ontario, Québec and British Columbia. The industry provides direct employment for approximately 15,000 Canadians. It utilizes the most modern engineering technology, working in both metric and imperial units; with sophisticated, timesaving computer programs and innovative construction methods to reduce and control building costs. Shipments by the industry are valued at approximately \$800 million.

Basically, the industry consists of plants producing fabricated structural steel, open-web steel joists, and steel platework for factories and manufacturing facilities; warehouses; mine mill buildings; pulp and paper mills; hydro-powered fossil-fueled and nuclear-powered electric generating plants; air, rail and ship terminals; office buildings; stadiums, arenas and recreational buildings; schools, hospitals and other institutional structures; highway and railway bridges; transmission and communication towers; storage tanks and pressure vessels.

Traditionally, the Canadian fabricated structural steel industry depend upon the domestic market for sales. However, during the seventies when the lower value of the Canadian dollar improved the competitiveness of Canadian exports, aggressive marketing efforts by Canadian fabricators resulted in significant export business, involving as much as 20 per cent of annual output.

Activity in the steel fabricating industry is generally directly related to the growth of G.N.P. and to corresponding investment in plant and equipment. Multi-million dollar heavy and light construction projects underway or on the drawing boards for 1981-1985 will benefit the Canadian steel fabricating industry both in North America and offshore.

With respect to foreign contracts, uncertainty arises from the possibility of realignment of currencies or an extensive worldwide recession. Given a relatively stable domestic and international environment, an adequate steel supply situation, and development of key energy resources, the Canadian steel fabricating industry should experience reasonable growth in the period 1981-1985.

Canadian steel fabricators have proven their capability to seek out and win foreign construction projects, often in the face of strong international competition. Contracts are frequently obtained with the assistance of Canadian government agencies, such as the Canadian Commercial Corporation, the Canadian International Development Agency, and the Export Development Corporation—which provide insurance, guarantees and financial assistance. Work secured by Canadian firms in Africa, Asia, the Caribbean, Europe, the United States and other parts of the world includes such diverse projects as pulp mills, power generating stations, petrochemical and industrial plants, storage facilities, bridges, schools, housing, observatories and dockside cranes.

The two principal associations representing the majority of companies listed in this publication are:

- (1) The Canadian Institute of Steel Construction (CISC) 201 Consumers Road, Suite 300 Willowdale, Ontario M2J 4G8 Tel.: (416) 491-4552
- (2) The Canadian Sheet Steel Building Institute (CSSBI) 201 Consumers Road, Suite 305 Willowdale, Ontario M2J 4G8 Tel.: (416) 493-8780

The CISC acts as management agent for the Canadian Steel Construction Council, of which CSSBI and other associations are members, as are Canada's four largest primary steel producers. The industry associations provide active support and direction for important research activities, comprehensive statistical programs, publications and outward-looking marketing efforts.

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# CANADIAN STEEL FABRICATING AND STEEL BUILDING FACILITIES BY LOCATION

#### **ALBERTA**

- 1. A.S.4 Industry Ltd.
- 2. Arrow Steel Industries Ltd.
- 3. Butler Manufacturing Company (Canada) Ltd.
- 4. C.K. Steel & Machinery Ltd.
- 5. C.W. Carry Ltd.
- 6. CPD Industries Ltd.
- 7. Dominion Bridge Company Limited
- 8. Empire Iron Works Ltd.
- 9. Great West Steel Industries Ltd.
- 10. G.P. Steel Fabricators Ltd.
- 11. I.P. Constructors Ltd.
- 12. J.K. Campbell & Associates Limited
- 13. Krupp Industries Canada Ltd.
- 14. Metal Fabricators and Welding Ltd.
- 15. Newman Structural Steel Limited
- 16. Quality Fabricating & Supply Limited
- 17. Stelco Fabricators Ltd.
- 18. Tidy Welders Limited
- 19. Westeel-Rosco Limited
- 20. G.P. Steel Fabricators Ltd.
- 21. Westank Willock

# BRITISH COLUMBIA

- 1. Brittain Steel Ltd.
- 2. Canron Inc.
- 3. Clayton Material Handling Ltd.
- 4. Coast Steel Fabricators Ltd.
- 5. Dominion Bridge Company Limited
- 6. Ellett Copper & Brass Co. Ltd.
- 7. Great West Steel Industries Ltd.
- 8. Newman Structural Steel Ltd.
- 9. Robertson Building Systems Ltd.
- 10. R.B. Steel Fabricators Ltd.
- 11. Steelweld (B.C.) Ltd.
- 12. Surrey Iron Works Ltd.
- 13. Tidy Welders Limited
- 14. Victoria Machinery Depot Co. Ltd.
- 15. Westank-Willock
- 16. Westeel-Rosco Limited
- 17. Zenith Steel Fabricators Ltd.

# MANITOBA

- 1. Behlen-Wickes Company Ltd.
- 2. Dominion Bridge Company Limited
- 3. Empire Iron Works Ltd.
- 4. Westank-Willock
- 5. Westeel-Rosco Limited
- 6. York Steel Construction Ltd.

# NEW BRUNSWICK

- 1. Ocean Steel & Construction Ltd.
- 2. Vic Metal Corporation
- 3. Westank-Willock
- 4. York Structural Steel Ltd.

#### NEWFOUNDLAND

- 1. Easteel Industries Limited
- 2. McNamara Industries

# NOVA SCOTIA

- 1. Dominion Bridge Co. Ltd. (Robb Engineering)
- 2. HMW Industries Limited
- 3. Maritime Steel & Foundries Ltd.
- 4. Steel & Engine Products Ltd.
- 5. Westeel-Rosco Limited

#### **ONTARIO**

- 1. Allen Tank Limited
- 2. Amalgamated Metal Industries
- 3. Armco Canada Ltd.
- 4. Aztec Steel Manufacturing Inc.
- 5. Behlen-Wickes Building Systems
- 6. Butler Manufacturing Co. (Canada) Ltd.
- 7. Canadian Metal Rolling Mills Limited.
- 8. Canron Inc.
- 9. Clemmer Industries (1964) Limited
- 10. Dahlstrom of Canada Limited
- 11. Dominion Bridge Company Limited
- 12. Eastern Steel Products

- 13. E.S. Fox Limited
- 14. Frankel Steel Ltd.
- 15. Great Lakes Steel Industries Ltd.
- 16. Hamilton Mixer Co. Ltd.
- 17. Hilkron Steel
- 18. Hodgson's Steel
- 19. John T. Hepburn Limited
- 20. J.H. Lock & Sons Ltd.
- 21. Leblanc & Royle Communications Towers Ltd.
- 22. Lorlea Steels Ltd.
- 23. Marshall Steel Limited, Bomac Division
- 24. Maxtower Company Limited
- 25. McCrindle Steel Industries Ltd.
- 26. Zagerman & Co. Limited
- 27. Newman Structural Steel Limited
- 28. Niagara Structural Steel (St. Catharines) Ltd.
- 29. Norak Steel Construction Limited
- 30. Noront Steel Limited
- 31. North York Steel Fabricators Limited
- 32. Odyssey Building Systems Inc.
- 33. Peel Steel (Northern) Limited
- 34. Peerless Enterprises
- 35. Robertson Building Systems Ltd.
- 36. T.I.W. Industries Ltd.
- 37. The Wind Turbine Company of Canada Limited
- 38. Unimade Industries
- 39. Westank-Willock

- 40. Westeel-Rosco Limited
- 41. Vic Metal Corporation
- 42. York Steel Construction Limited

### PRINCE EDWARD ISLAND

- 1. East Coast Steel Ltd.
- 2. Leard Enterprises Inc.
- 3. Prebuilt Structures Ltd.

# QUEBEC

- l. Acier Fasco Limitée
- 2. Acier Marshall Steel Ltee
- 3. Canadian Erectors Ltée
- 4. Canam Steel Works Inc.
- 5. Canron Inc.
- 6. Dominion Bridge Company Limited
- 7. Drummond Welding & Steel Works Ltd.
- 8. Dubeau & Lapointe Ltd.
- 9. Foresteel Industries Ltd.
- 10. Honco Inc.
- 11. Les Constructeurs d'Acier T.I.W. Limitée
- 12. Les Industries Super Métal Inc.
- 13. Lord & Cié Limitée
- 14. Métallurgie Pelchat Inc.
- 15. Newman Structural Steel Ltd. (A.C. Leslie Limited and Norforge Inc.)
- 16. Niagara Structural Steel (St. Catharines) Ltd.
- 17. Pylonex Inc.
- 18. Rodrigue Métal Ltée

- 19. Sidbec-Dosco Ltee
- 20. Sométal Atlantic Ltée
- 21. Structal Inc.
- 22. Structure C.Q.S. Inc.
- 23. Vic Metal Corporation
- 24. Westank-Willock
- 25. Westeel-Rosco Limited

# SASKATCHEWAN

- 1. Dominion Bridge Company Limited
- 2. Fairford Industries Ltd.
- 3. Harding Industries Ltd.
- 4. McNulty's Welding Limited
- 5. Precision Service & Engineering Ltd.
- 6. Stelco Fabricators Ltd.
- 7. T.S. Metals Ltd.
- 8. Westank-Willock
- 9. Westeel-Rosco Limited

# YUKON TERRITORIES

1. Westeel-Rosco Limited

ACIER FASCO LTEE. 180 Boul. Industriel Boucherville, Québec J4B 2X3

Contact: Michel Vézina

Title: Director of Marketing

Tel: (514) 655-7172 Telex: 055-60252

#### PLANT LOCATIONS:

180 Boul Industriel, Boucherville, Québec J4B 2X3

575 Des Forges Sherbrooke, Québec J1H 1X5

#### TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial, institutional, building structures. Highway and railway bridges, Plate girders and trusses.

#### SPECIFICATIONS AND STANDARDS:

Canadian Standard Association (C.S.A.)
Canadian Institute of Steel Construction (C.I.S.C.)
Canadian Welding Bureau (C.W.B.)
American Welding Society (A.W.S.)
American Association of State Highway Officials (A.A.S.H.O.)

#### SPECIAL FACILITIES AND SERVICES:

Structural engineering and drafting. Fabrication and erection equipment. Shot blasting facilities.

A.S.4 INDUSTRY LTD.
3916-56 Avenue S.E.
Calgary, Alberta, Canada
T2C 2B5

Contact: S. Simonelli Title: General Manager Tel: (403) 279-2994

PLANT LOCATION:

3916-56 Avenue S.E. Calgary, Alberta, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Fabricates and erects structural steel for industrial, commercial, single and multistorey buildings.

Fabricates and installs open web steel joists.

# SPECIFICATIONS AND STANDARDS:

Canadian Welding Bureau (Div. 1)
Canadian Standard Association 8-16
Canadian Institute of Steel
Construction.

SPECIAL FACILITIES AND SERVICES:

Rolling mills for open sections from strip up to 4 mm thick and 350 mm wide.

ALLEN TANK LIMITED 285 Raleigh Avenue Toronto, Ontario, Canada MIK 1A5

Contact: R.A.N. Bentley Title: General Manager Tel: (416) 261-7201 Telex: 06-963583

Designers and manufacturers of tanks for various uses.

#### PLANT LOCATIONS:

Allen Tank Limited 285 Raleigh Avenue Toronto, Ontario, Canada MIK 1A5

Allen Tank (London) Limited 750 Little Simcoe Street London, Ontario, Canada N5Z 1P4

TYPE OF STRUCTURAL STEEL PRODUCED:

Platework up to 177.8 mm (7") thick and 135.9 metric ton (150-ton) capacity

tanks for breweries and wineries; pressure vessels for refineries, chemical and petrochemical plants; bins and hoppers.

# SPECIFICATIONS AND STANDARDS:

American Society of Mechanical Engineers Section VIII U Stamp American Petroleum Institute 650.

#### SPECIAL FACILITIES AND SERVICES:

Heat treating facilities; MIG (Metal Inert Gas), TIG (Tungsten Intert Gas) and double submerged arc special welding equipment.

AMALGAMATED METAL INDUSTRIES 2520 Haines Road Mississauga, Ontario, Canada L4Y 1Y6

Contact: J.W. Eckart

Title: Manager, New Product

Development Tel: (416) 279-1930 Telex: 06-961276

Heavy steel fabrication and field erection. Fabrication and erection facilities for power generation, petrochemical, oil, gas, mining and other process-related industries.

#### PLANT LOCATION:

Amalgamated Metal Industries 2520 Haines Road Mississauga, Ontario, Canada L4Y 1Y6

TYPE OF STRUCTURAL STEEL PRODUCED:

Penstocks; steel smoke stacks; chimney liners; refinery heaters; heat exchangers; silos; towers; tanks; vessels; A.P.I. open top floating roofs; cone roofs; gas breechings; and storage tanks

# SPECIFICATIONS AND STANDARDS:

In accordance with codes ASME, CWB, CISC and A.P.I.

SPECIAL FACILITIES AND SERVICES:

Special facilities include 50.8 mm (2") plate rolls and 45.35 metric tonns (50-ton) crane capacity with 9.45 m (31') under the hook. Quality control program includes X-ray, gamma ray, and ultrasonic and dye penetrant testing.

Can-A.M.I. International Limited (Division of Amalgamated Metal Industries)
Project construction. Engineering, design and erection of mechanical and electrical installations for petrochemical, oil, gas, food and related industries.

ARMCO CANADA LTD.
15 Campbell Road
P.O. Box 3000
Guelph, Ontario, Canada
N1H 6P2

Contact: G.R. Patterson

Title: President Tel: (519) 822-0210 Telex: 069-56539

Producing steel products for the construction industry, the company operates two product divisions.

#### PLANT LOCATION:

Armco Canada Ltd. 15 Campbell Road Guelph, Ontario, Canada N1H 6P2

#### TYPE OF STRUCTURAL STEEL PRODUCED:

Fabrication of heavy hot rolled structural sections into various types of pre-engineered framed and self-framing building systems such as columns and rafters. Cold roll forming of galvanized and coated steel coil into wall and roof panels and steel roof purlins. Various pressed steel components including wall girts and trim accessories. Steel culverts, guardrails, steel sheeting, water control gates, tunnel liner plates, steel bridge deck and industrial steel gratings.

#### SPECIFICATIONS AND STANDARDS:

In accordance with all current standards for fabrication in Canada of components described. ARROW STEEL INDUSTRIES LTD. 9216-44th Street S.E. Calgary, Alberta, Canada T2P 2G6

Contact: G.D. Houghton

Title: President Tel: (403) 279-5587

PLANT LOCATION:

9216-44th Street S.E. Calgary, Alberta, Canada T2P 2G6

TYPE OF STRUCTURAL STEEL PRODUCED:

Fabrication and erection of

structural steel for industrial, commercial and institutional buildings. Steelwork for gas plants, bridges, towers, conveyors, etc.

SPECIFICATION AND STANDARDS:

Canadian Welding bureau, Canadian Standard Association.

AZTEC STEEL MANUFACTURING INC. 1880 Britannia Road Mississauga, Ontario, Canada L4W 1J3

Contact: Arnold Davis Title: President Tel: (416) 677-1980

#### PLANT LOCATION:

Aztec Steel Manufacturing Inc. 1880 Britannia Road Mississauga, Ontario, Canada L4W 1J3

# TYPE OF STRUCTURAL STEEL PRODUCED:

Pre-engineered metal buildings of Quonset and rigid frame design. Galvanized and coloured in sizes 7.6 x 2.4 m wide (25' x 80') 3.6 - 9.5 m high (12' x 30') by any length. Applications as commercial, light industrial and agricultural buildings. BEHLEN-WICKES COMPANY LIMITED 927 Douglas Street P.O. Box 1120 Brandon, Manitoba, Canada R7A 6A4

Contact: K. Kading, General Manager

Tel: (204) 728-1188 Telex: 07-502744

#### PLANT LOCATION:

Behlen-Wickes Company Limited 927 Douglas St. Brandon, Manitoba

#### TYPE OF PRODUCTS PRODUCED:

Integrated systems for grain handling, conditioning and storage including grain bins, and hopper bins, aeration systems and elevator leg systems.

Pre-engineered metal buildings for farm and commercial use. Available in galvanized and colored material.

#### SPECIFICATIONS AND STANDARDS:

Canadian Sheet Steel Building Institute Canadian National Building Codes Canadian Welding Bureau BRITTAIN STEEL LTD.
400 Ewen Avenue
New Westminster, British Columbia
Canada
V3M 5B2

Contact: Mr. David Powley

Title: Sales Manager Tel: (604) 526-2681 Telex: 04-351143

With a production capacity of 12,000 to 14,000 tons per year the company fabricates structural steel for a variety of uses.

#### PLANT LOCATION:

Brittain Steel Ltd. 400 Ewen Avenue New Westminster, British Columbia Canada V3M 5B2 TYPE OF STRUCTURAL STEEL PRODUCED:

Multi and single-storey buildings including warehouses, mine and mill buildings; bridges; conveyors. Supplies open web steel joists.

SPECIAL EQUIPMENT AND SERVICES:

Shiploaders, observatory telescope domes; engineering; detailing.

BUTLER MANUFACTURING CO. (CANADA) LTD. P.O. Box 5006 1100 Walker's Line Burlington, Ontario, Canada L7R 3Z3

Contact: G.J. Woolgar Title: Managing Director Tel: (416) 335-2000

Designs and manufacturers steel systems buildings for commercial industrial and institutional use.

#### PLANT LOCATION:

Butler Mfg. Co. (Canada) Ltd. 3455 North Service Road Burlington, Ontario, Canada

Nisku Industrial Estate Nisku, Alberta, Canada TOC 2CO

TYPE OF STRUCTURAL STEEL PRODUCED:

Fabrication of framing members for steel systems buildings using welded

sheet, strip and plate. Cold formed sections using hot rolled strip for secondary framing members, purlins and girts. Roll formed panelling in galvanized, prepainted, and aluminum-zinc alloy clad steel strip. Grain storage bins, and steel farm buildings.

#### SPECIFICATIONS AND STANDARDS

Steel in grades: CSA G40.21 GR 50W, 44W; ASTM A36; ASTM A-607 Type I55; A-446 Grade B Canadian Standards Association, standards S-16, S-136, W59 and W47. Canadian Sheet Steel Building Institute.

C.K. STEEL & MACHINERY LTD. 4619-6A Street Northeast Calgary, Alberta, Canada T2E 4B4

Contact: H.J. Hunter Title: Sales Manager Tel: (403) 276-7971 Telex: 038-25642

#### PLANT LOCATION:

C.K. Steel & Machinery Ltd. 4619-6A Street Northeast Calgary, Alberta, Canada T2E 4B4

#### TYPES OF STRUCTURAL STEEL PRODUCED:

Institutional, commercial, mining, heavy industrial building structures including steel joists, conveyor galleries, mine headframes; girder, truss, arch, orthotropic deck and other types of bridges; self-supporting and guyed microwave towers, satellite tracking antennas, communication towers. All sizes of tanks, shopbuilt and field erected; pressure vessels and process towers, shopbuilt and field erected; penstocks; heat exchangers, coolers, reactors, precipitators and other

plant equipment for the petroleum, chemical, pulp and paper, mining and other industries.

#### SPECIFICATIONS AND STANDARDS:

Canadian Standards Association; Canadian Welding Bureau; American Society of Mechanical Engineers; American Petroleum institute; Canadian Institute of Steel Construction.

# SPECIAL FACILITIES AND SERVICES:

Engineering services; stress relieving furnaces; automatic submerged arc, inert gas shielded arc, other special welding equipment; large plate rolls, capacity 10.1 cm (4") plate by 3.05 metres (10') wide; hydraulic press; plate burning and automatic punching equipment.

C.W. CARRY LTD.
5815 - 75th Street
P.O. Box 2298
Edmonton, Alberta, Canada
T6E OT3

Contact: K. Schreiner

Title: Contract Sales Manager

Tel: (403) 465-0381 Telex: 037-2416

Structural steel fabricator and steel service centres.

#### PLANT LOCATION:

C.W. Carry Ltd. 5815 - 75th Street Edmonton, Alberta, Canada T6E OT3

#### TYPE OF STRUCTURAL STEEL PRODUCED:

Fabrication and erection of structural and miscellaneous steel for industrial, commercial and institutional buildings, bridges, conveyor systems, reclaimers, storage bins, furnaces. Fabrication and erection of platework.

#### SPECIAL FACILITIES AND SERVICES:

Field installation of all items produced. Custom shearing, breaking, burning and rolling, blast cleaning and painting.

# SPECIFICATION AND STANDARDS:

All recognized Canadian Standards. Member of the:

Alberta Construction Association Canadaian Welding Bureau Canadian Institute of Steel Construction. CPD INDUSTRIES LTD.

Manufacturers of the
All-West Steel Buildings
621C-37th Avenue N.E.
Calgary, Alberta, Canada
T2E 2Ml

Contact: C. Peter Diczki
Title: President and
General Manager
Tel: (403) 277-8775, 277-8772
Telex: 03-825831

PLANT LOCATION:

CPD Industries Ltd. Ring Road Didsbury, Alberta, Canada

TYPES OF PRODUCTS MANUFACTURED:

Prefabricated skin supported steel arch structures of various configuration (Steel Quonsets). Also

selfframing, corrugated straightwall buildings with either arched or conventional roof lines and smaller selfframing metal shelters. These pre-engineered structures meet or exceed the National Building Code are used for various agricultural, light industrial, commercial and oil field applications. Preinsulated modular units are used for on-site offices and accomodations.

CANADIAN ERECTORS LIMITED 5441, rue Notre-Dame Ouest Montréal, Québec, Canada H4C 1T8

Contact: S.R. Hawkins Title: President Tel: (514) 931-2401 Telex: 055-66184

Tanks, all sizes, pressure vessels and process towers; heat exchangers, coolers, bins, hoppers, penstocks, precipitators, stacks, furnaces, breeching, standpipes, silos (shop-built and field-erected).

#### PLANT LOCATIONS:

Canadian Erectors Limited 544, rue Notre-Dame Ouest Montréal (Québec), Canada H4C 1T8

Combo Tank and Pipe Limited 5230 General Road Mississauga, Ontario L4W 1G8 Contact: Brad Compton Title: General Manager Te1: (416) 624-2710 Telex: 06-960186

Field-erected storage tanks, standpipes, penstocks, stacks, etc.

Alloytec Mechanical Ltd. 599 Curé Boivin Boisbriand, Ste-Thérèse, Québec J7G 2A8 Contact: Joe Raza Title: Vice-President Tel: (514) 435-3643 Telex: 05-835548

Expert welding of carbon steel and exotic metal pipe.

#### SPECIFICATIONS AND STANDARDS:

American Petroleum Institute
Canadian Welding Bureau
Canadian Institute of Steel
Construction
Canadian Standards Association
Welding Institute of Canada
Canadian Heat Exchanger and Vessel
Manufacturers Association
American Society of Metals

#### SPECIAL FACILITIES AND SERVICES:

Comprehensive engineering services available; TIG, MIG, submerged arc, automatic and semi-automatic welding, plate rolls, automatic plate burning, brake, shear.

CANADIAN METAL ROLLING MILLS LIMITED 2304 Dixie Road Mississauga, Ontario, Canada L4Y 126

Contact: Karl Fox Title: General Manager Tel: (416) 270-5300

#### PLANT LOCATION:

Canadian Metal Rolling Mills Limited 2304 Dixi Road Mississauga, Ontario, Canada L4Y 126

TYPE OF STRUCTURAL STEEL PRODUCED:

Cold roll forming of Cee's and Zee's for purlins and girts manufactured from high yield steel in a range of depths from 15.24 to 45.72 cm (6" to 18").

Residential steel floor joists for the home building industry.

SPECIAL FACILITIES AND SREVICES:

Custom forming of heavy-duty metal components for the transportation industry, and other manufacturers.

Design, engineering, manufacturing of metal wall panel, metal roof and floor deck systems.

CANAM STEEL WORKS INC. C.P. 130 St-Gédéon, Québec, Canada GOW 2P0

Contact: P.A. Quirion Tel: (418) 582-3331 Telex: 05-833540

Sixty-five thousand tons of structural steel, mainly in the form of joists and decking, are produced annually by this company's three plants.

PLANT LOCATIONS:

St-Gédéon, Québec, Canada

270, Chemin du Tremblay Boucherville, Québec, Canada

Tel: (514) 527-8031 Telex: 05-25819

Canam Sales Corporation Plains Road P.O. Box 1201 Claremont, New Hampshire U.S.A. 03743

TYPE OF STRUCTURAL STEEL PRODUCED:

Open web steel joists, light steel

girders, trusses, steel decking, composite flooring systems (under an exclusive Hambro agreement).

SPECIFICATIONS AND STANDARDS:

National Building Code of Canada - Last edition.

C.S.A. - S16 Last edition Steel Structures for Building

C.S.A. - S136 Last edition Cold Formed Steel Structural Members

C.S.A. - W59 Last edition General Specifications for Welding of Steel Structures.

SPECIAL FACILITIES AND SERVICES:

Latest technological developments employed in steel fabrication. All joists destined for a project can be produced simultaneously. CANRON INC.
Eastern Structural Division
100 Disco Road
Rexdale, Ontario, Canada
M9W 1M1

Contact: A. Douglas

Title: General Sales Manager

Tel: (416) 675-6400 Telex: 06-919198

WESTERN BRIDGE DIVISION 145 West Firs Avenue Vancouver, British Columbia, Canada V5Y 1A2

Contact: J.W. Frakes

Title: General Sales Manager

Te1: (604) 874-2311 Telex: 04-51222

#### PLANT LOCATIONS:

Canron Inc. 100 Disco Road Rexdale, Ontario, Canada M9W 1M1

6205, boulevard des Grandes Prairies St-Léonard (Québec) Canada H1P 1A6

Canron Inc.
Western Bridge Division
145 West First Avenue
Vancouver, British Columbia, Canada
V5Y 1A2

# TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial, institutional building structures and systems building (fabrication and erection); all types of bridges; transmission and microwave towers and poles; electrical substation steelwork (design and fabrication); platework up to unit components of 45.3 metric tons (50 tons) and barges; dam gates;

hydraulic gates; penstocks; plate girders; bins; hoppers; furnaces.

#### SPECIFICATIONS AND STANDARDS:

Canadian Standards Association; Canadian Institute of Steel Construction; Canadian Welding Bureau; American Society of Mechanical Engineers; American Petroleum Institute; American Association of State Highway Officials; American Welding Society.

#### SPECIAL FACILITIES AND SERVICES:

Structural and mechanical engineering; galvanizing plant; heat treating
facilities; welding equipment including Porto slag 12.7 cm (5") thick
with one pass, three-wire tandem
heads submerged arc; 1360 metric ton
(1500-ton) capacity press brake,
hydraulic steam, capacity
3.2 cm x 9.1 m (1½" x 30'); design of
cranes (gantry and harbour containers); design and fabrication of
conveyors and bulk loaders.

CLAYTON MATERIAL HANDLING LTD. 12191 Vulcan Way Richmond, British Columbia, Canada V6V 1J7

Contact: E.M. Zagorsky

Title: President Tel: (604) 273-0106 Telex: 043-55753

Fabrication, machine shop operation, electrical work.

#### PLANT LOCATION:

Clayton Material Handling Ltd. 12191 Vulcan Way Richmond, British Columbia, Canada

#### TYPE OF PRODUCTS MANUFACTURED:

Electric and pneumatic overhead cranes and hoists in most capacities and spans. Bridge cranes, jib cranes, gantry cranes, marine cranes, and ship's engine room cranes. Various underhook attachments, grabs, lifting frames for use by ships. Cranes to

handle lumber, pulp or paper containers and other commodities.

#### SPECIFICATIONS AND STANDARDS:

Canadian, U.S. and European standards including U.S. military specifications. All welding to CSA standards. Canadian MOT and American ABS approvals also possible for marine applications.

#### SPECIAL FACILITIES AND SERVICES:

Specialists in high hazard environments such as gas plants, coal and nuclear.

CLEMMER INDUSTRIES (1964) LIMITED P.O. Box 130, 446 Albert Street Waterloo, Ontario, Canada N2J 4A1

Contact: Earl Meyers Title: General Manager Tel: (519) 884-4320 Telex: 069-55257

#### PLANT LOCATIONS:

Clemmer Industries (1964) Limited Waterloo, Ontario, Canada

Clemmer Industries (1964) Limited Stock and Distributuin Centre 1019 Pacific Avenue Thunder Bay, Ontario, Canada P7C 2S7

#### TYPE OF PRODUCTS MANUFACTURED:

Storage tanks, all sizes: underground tanks for impressed current and cathodic protection; sewage; septic; basement; farm storage; truck tanks; tote tanks. Pressure vessels, all sizes; air receivers; air cushion expansion; hot water, condensate, hydropneumatic, blow-down, flash, surge; chutes; hoppers; shrouding; silos; metal spinning and custom metal fabrications.

#### SPECIFICATIONS AND STANDARDS:

Canadian Standards Association;
Ministry of Consumer and Commercial
Relations; Canadian Welding Bureau;
American Society of Mechanical
Engineers; American Petroleum Institute; American Water Works Association; National Fire Prevention Association; Underwriters Laboratories of Canada. (U) Stamp National Board
CSAZ-299.3 Quality Control.

#### SPECIAL FACILITIES AND SERVICES:

Engineering Services. Extensive grit, sand and abrasive blasting facilities; large fleet of tractor trailers; computer facilities; plasma and torch cutting; epoxy; forced curing and baking; phenolic coatings.

COAST STEEL FABRICATORS LTD.
Division of Agra Industries Ltd.
1515 Kingsway Avenue
Port Coquitlam, British Columbia, Canada
V3C 1S2

Contact: Herb Hornstein, P. Eng.

Title: General Manager Tel: (604) 941-9481

# PLANT LOCATION:

Coast Steel Fabricators Ltd. 1515 Kingsway Avenue Port Coquitlam, British Columbia Canada

# TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel fabrication and manufacturing of open web steel joists. Size of project invonvement ranges from commercial warehouses to powerhouses for hydroelectric generation. DAHLSTROM OF CANADA LIMITED 7 Copeland Street Toronto, Ontario, Canada M4G 3E7

Contact: Ralph Idems

Title: Sales and Service Co-ordinator

Tel: (416) 421-5900

Specialists in metal fabrication, for architectural and industrial customers. Products include metal cabinets and components for business equipment, elevator cars, elevator entrances and other types of custom precision fabrication to meet architects' specifications.

The company is a supplier to major computer and electronic companies and Canadian Government agencies.

#### PLANT LOCATION:

Dahlstrom of Canada Limited 7 Copeland Street Toronto, Ontario, Canada M4G 3E7

## TYPE OF PRODUCTS MANUFACTURED:

All types of parts for original equipment manufacturers in all metals from 1.22 mm gauge to 9.53 mm plate (18 gauge to 3/8" plate).

## SPECIFICATIONS AND STANDARDS:

All types of welding: MIT, TIG, Heliarc and KVA - CWB approved.

#### SPECIAL FACILITIES AND SERVICES:

Shearing press, power brake, sawing and rolling, metal grinding and polishing, welding, painting, quality control.

Machine shop is equipped for all die sharpening, repairs and maintenance, and stocked with more than 7,500 standard and non-standard dies. Quality control department has a "Check Master" co-ordinate measuring machine capable of checking dimensions to an accuracy of ± .0005 per 30.48 cm (foot); and a precision Behrens numerically controlled turret head punch press.

DOMINION BRIDGE COMPANY LIMITED Head Office 1155 Dorchester Blvd. West Montreal, Quebec, Canada H3C 2S7

Business Development Manager P.O. Box 280, Station "A" Montreal, Quebec, Canada H3C 2S7 Tel: (514) 634-3551

PLANT LOCATIONS:

665 Tretheway Drive Toronto, Ontario, Canada

Robb Engineering Amherst, Nova Scotia, Canada

300-2431 11th Avenue Regina, Saskatchewan, Canada

803-24th Avenue, Southeast Calgary, Alberta, Canada

11915-106 Avenue Edmonton, Alberta

TYPE OF PRODUCTS MANUFACTURED:

Design, fabrication and erection of structural steel for industrial, commercial and institutional building frames, bridges, transmission towers and poles, design and fabrication of electrical substation steelwork, industrial cranes, boilers and platework, and hydraulic gates,

penstocks, bins, hoppers and furnaces, miscellaneous construction services, steel production and warehouse steel sales and distribution.

The <u>DB</u> Engineers & Constructors unit executes projects on a turnkey or semi-turnkey basis in such areas as modular fertilizer and process plants, transmission lines, wide-bodied aircraft maintenance and storage facilities as well as the management of engineering and construction services.

SPECIFICATIONS AND STANDARDS:

All recognized North American standards, Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Complete engineering services, welding equipment, heat treating equipment, field construction.

DRUMMOND WELDING & STEEL WORKS LTD. 700, rue Talon Longueuil, Québec, Canada J4G 1P7

Contact: Rodrigue Pelletier

Title: Vice-Président Tel: (514) 677-2851 Telex: 052-5568

Drummond Welding & Steel Works Ltd.'s plant covers 55,000 square feet inside with 700,000 square feet of exterior facilities. Monthly production includes 453.5 metric tons (500 tons) of sheet and plate and 181.4 metric tons (200 tons) of structural steel.

### PLANT LOCATION:

Drummond Welding & Steel Works Ltd. Longueuil Industrial Park Longueuil, Québec, Canada

## TYPE OF PRODUCTS MANUFACTURED:

Underground tanks for gas and oil: pressure vessels; hydropneumatic tanks; blow off tanks; condensate tanks; hot water tanks; air receivers; refinery towers and columns; reactors - heavy water tanks; acid storage vessels; gas separators; hoppers; launderers' chutes; large diameter pipes; pontoons.

Lined tanks: Rubberlined; heresite lined; galvanized. Field erected tanks: chemical and petrochemical; nuclear and hydropower mining; pulp and paper; process tanks.

#### SPECIFICATIONS AND STANDARDS:

ASME Section VIII, Div.I API 650-3 ULC S-603, SA-601, S-603-1 AWS 47.1 Div.I, CSA Z299.3 Lloyds - Veritas - National Board - CSI Factory Mutual - AWWA

## SPECIAL FACILITIES AND SERVICES:

Break, shear, automatic welding equipment (submerged arc). Plate roll 30 mm x 3000 mm (1 13/16" x 10'). Plate burning, sand blasting, heated paint shops. Testing: Water Max. 200 PSI, Air Max. 125 PSI (KPA 14000) (KPA 875). X-ray radiography: Ultrasonics - dye penetrant.

DUBEAU & LAPOINTE LTD. 2400 Lemire Blvd. Drummondville, Quebec, Canada J2B 6X9

Contact: Richard Lapointe, Eng.

Title: President and General Manager

Tel: (819) 478-4981 Telex: 05-838546

PLANT LOCATION:

Dubeau & Lapointe Ltd. 2400 Lemire Blvd. Drummond, Quebec, Canada J2B 6X9

TYPE OF STRUCTURAL STEEL PRODUCED:

Steel frame for all types of industrial or commercial buildings; belt supports; rigid framing.

#### SPECIFICATIONS AND STANDARDS:

National Building Code
Member of the Canadian Welding Bureau
Member of the Canadian Institute of
Steel Construction
Member of the Canadian Welding
Institute

SPECIAL FACILITIES AND SERVICES:

Designing and shop drawings Delivery and Installation E.S. FOX LIMITED
Head Office
61 Thorold Road East
Welland, Ontario, Canada
L3B 5P1

Contact: C.M. McRobbie Title: Sales Manager Tel: (416) 735-2401 Telex: 061-5202

Vessel, pipe and sheet metal fabrication in all materials, including mild and stainless steel, aluminum, copper, nickel, titanium and clad.

## PLANT LOCATIONS:

4935 Kent Street Niagara Falls, Ontario, Canada L2H 1J6 Tel: (416) 356-2493

Burton Avenue
Barrie, Ontario, Canada
L4M 4T7
Tel: (705) 728-5722

209 Dalton Street Kingston, Ontario, Canada K7L 4V6 Tel: (613) 549-4396

Fielding Avenue Copper Cliff, Ontario, Canada POM 4V6 Tel: (705) 682-4466 1112 Russel Street Thunder Bay, Ontario, Canada P7B 5J9 Tel: (807) 623-6932

TYPE OF STRUCTURAL STEEL PRODUCED:

Plate and vessel fabrication; pipe; sheet metal; ASME pressure vessels; stocks; breechings and ductwork; hoppers; API storage tanks and material handling systems.

# SPECIFICATIONS AND STANDARDS:

Accuracy requirements from standard structural to rigid machine tolerances are met with equal precision. Fabrication to various codes, including ASME and API.

# SPECIAL FACILITIES AND SERVICES:

Main plant: cutting, punching, rolling, shearing, welding and machining. Branches maintain office, shop and field erection operations.

EAST COAST STEEL LTD. P.O. Box 2155 Charlottetown, P.E.I.

Contact: Harry Yeo Title: President Tel: (902) 569-3467

PLANT LOCATION:

East Coast Steel Ltd. P.O. Box 2155 Charlottetown, P.E.I.

TYPE OF STRUCTURAL PRODUCED:

Structural steel, miscellaneous

metals, steel joists and bridging, roof deck, V-pans, smokestacks, reinforcing steel.

SPECIFICATIONS AD STANDARDS:

CASC and CWB.

EASTEEL INDUSTRIES LIMITED Logy Bay Road P.O. Box 1268, Logy Bay Road St. John's, Newfoundland, Canada A1C 5N3

Contact: Mr. C. Boehm Title: Vice-President Tel: (709) 726-4420 Telex: 016-4149

Fabrication and erection of structural steel, fabrication and installation of miscellaneous metals. Specializes in aluminum and stainless steel fabrication, equipment under license from luehr Filterbau, Germany. Agents, distributor and service depot for firms in marine and heating fields.

## PLANT LOCATION:

Easteel Industries Limited Logy Bay Road St. John's, Newfoundland, Canada

## TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel buildings of all kinds, including powerhouses, all kinds of platework including field erected tanks, sewage treatment plants, channel marker and environmental buoys 10 m (33') diameter. Miscellaneous metals such as: stairs, railing, catwalks, fire escapes, mild steel and stainless steel ductwork and tanks, pressure vessels, plate and structural work for offshore oil rigs, tubular coolers.

## SPECIFICATIONS AND STANDARDS:

Canadian Welding Bureau, American Petrolium Institute. Members of: CISC, Newfoundland and Labrador Construction Association, Canadian Manufacturers Association.

# SPECIAL FACILITIES AND SERVICES:

NC controlled sawing and drilling equipment for structural steel fabrication. Welding equipment, manual and semiautomatic; shot blasting facilities. EASTERN STEEL PRODUCTS
777 Laurel Street
Cambridge, Ontario, Canada
N3H 4S3

Contact: Mark Turpin Title: Sales Manager Tel: (519) 653-6234 Telex: 069-59347

Fabricators of structural, plate and pipe in stainless, aluminum and steel alloys, with light to medium machining capabilities. Structural and plate fabrications range from light to medium. Pipe fabrication capabilities range from medium to heavy.

# PLANT LOCATION:

Eastern Steel Products 777 Laurel Street Cambridge, Ontario, Canada

TYPE OF PRODUCTS MANUFACTURED:

Large power transformer tanks and accessories, kiln cars, large diameter

piping, dampers, fan casings, coal crushers, truck bodies, snow plows, hydraulic cylinders and hydraulic equipment.

#### SPECIFICATIONS AND STANDARDS:

Welding to code qualifications including ASME; CWB; CSA; and Department of Labour approval.

#### SPECIAL FACILITIES AND SERVICES:

CNC Plasma Cutting, rolls, brakes, shears, welders, lathes, cranes 27 metric tons, 5.3 metre (30 tons, 21') heights; shot blast; paint.

ELLETT COPPER & BRASS CO. LIMITED 1575 Kingsway Avenue Port Coquitlam, B.C. Canada V3C 4E5

Contact: Duncan G. Thomas

Title: Vice President & General Manager

Tel: (604) 941-8211

PLANT LOCATION:

Ellett Copper & Brass Co. Limited 1575 Kingsway Avenue, Port Coquitlam, B.C. V3C 4E5

TYPE OF STRUCTURAL STEEL PRODUCED:

Manufacturers custom high quality process equipment, primarily in stainless steel, nickel, titanium and other corrosion resistant metals; pressure vessels, heat exchangers, towers, storage tanks, valves, pipe and tubing for the pulp and paper, oil refining, chemical, mining, food, brewing and distilling industries.

SPECIFICATIONS AND STANDARDS:

ASME Section 8 TEMA, API

PLATEWORK:

Tanks, Pressure Vessels, General Fabrication.

SPECIAL FACILITIES AND SERVICES:

Competent engineering staff offers complete range of cutting, forming and machining equipment and uses latest welding techniques. All work monitored by a quality control program to ensure consistent high standards.

EMPIRE IRON WORKS LTD. 1001 Jarvis Ave. Winnipeg, Manitoba, Canada R2X 0A1

Contact: V.W. Becker

Title: P.Eng.

Tel: (204) 582-2396 Telex: 07-587812

### PLANT LOCATIONS:

1001 Jarvis Avenue Winnipeg, Manitoba R2X OA1

ll Yard Street Winnipeg, Mantoba

Wabamun, Alberta

Branch Office: 105 - 10305 Princess Elizabeth Avenue Edmonton, Alberta T5G 0Y5

# TYPE OF STRUCTURAL STEEL PRODUCED:

Design, fabrication and erection of structural steel for industrial, commercial and institutional building frames, bridges, industrial cranes, boilers and platework, hydraulic gates, bins, hoppers, miscellaneous metals of all types.

# SPECIFICATIONS AND STANDARDS:

Canadian Wesling Bureau CISC Winnipeg Construction Association Alberta Construction Association Canadian Construction Association FAIRFORD INDUSTRIES LTD.
P.O. Box 907
370 - 7th Avenue Northwest
Moose Jaw, Saskatchewan, Canada
S6H 4P6

Contact: Jim P. Hutch

Title: Vice-President, Marketing

and Operations

Tel: (306) 693-3648 Telex: 071-29151

Manufacturers of prefabricated steel buildings.

PLANT LOCATION:

Moose Jaw, Saskatchewan, Canada

TYPES OF PRODUCTS MANUFACTURED:

Prefabricated skin supported arch-type structures of all types for farm equipment, grain storage, industrial and recreational use, airplane hangers, etc.

# SPECIFICATIONS AND STANDARDS:

Company's steel buildings meet national building codes and are certified by resident professional engineers. Buildings are available in widths from 3.65 to 30.48 m (12' to 100') and in all lengths.

FORESTEEL INDUSTRIES LTD. 9225, boulevard Henri Bourassa Est Montréal, Québec, Canada H1E 1P6

Contact: R. McCulloch Title: Sales Manager Tel: (514) 648-3871

Custom fabricates ferrous and nonferrous metals and produces approximately 725.6 metric tons (800 tons) of fabricated parts a month weighing from .45 kg (one pound) to 90.7 metric tons (100 tons).

#### PLANT LOCATION:

Foresteel Industries Ltd. 9225, boulevard Henri Bourassa Est Montréal, Québec, Canada

#### TYPE OF STRUCTURAL STEEL PRODUCED:

Plate fabrication from 1.52 mm (16 gauge) to 457.2 mm (18") thick; bridges requiring heavy weldments for girders and trusses; all sizes of shop-built tanks; pressure vessels; penstocks; radial gates; turbine casings; bins and

hoppers; and steel work for large cranes and conveyors.

#### SPECIFICATIONS AND STANDARDS:

American Society of Mechanical Engineers; American Petroleum Institute; Canadian Welding Bureau; Canadian Institute of Steel Construction. CSA Z 299.3

#### SPECIAL FACILITIES AND SERVICES:

Services atomic energy, petrochemic1, electrical and power groups, pulp and paper, chemical, rail, water, road, mining and other. Large weldments up to 49.9 metric tons (55 tons) are shipped in single sections.

FRANKEL STEEL LTD.
220 Attwell Drive
Unit 1
Rexdale, Ontario, Canada
M9W 5B2

Contact: Wayne Wallace Title: Export Manager Tel: (416) 675-1722 Telex: 069-89584

#### TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial, institutional, single and multi-story building structures; plate girder and truss type bridges; buyed and self-supporting towers; tanks, bins, hoppers and chutes in platework.

#### SPECIFICATIONS AND STANDARDS:

Canadian Welding Bureau; Canadian Standards Association S-16; Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Full range of equipment: welding machines, saws, brakes, shears, rolls, punches, shot blasting equipment and various cranes including a 54.4 metric ton (60-ton) capacity machine.

G.P. STEEL FABRICATORS LTD. 9620 - 109 Street Grande Prairie, Alta. Canada T8V 4E4

Contact: G. Fleetwood, Manager Tel: (403) 539-3701

PLANT LOCATION:

G.P. Steel Fabricators Ltd.
9620 - 109 Street
Grande Prairie, Alta. T8V 4E4

TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel for buildings, miscellaneous metals, steel stairs and handrails, chutes, bins, hoppers, conveyors, truck decks and trailers. Flare stacks, pipe racks, lumber stackers, etc.

SPECIAL FACILITIES AND SERVICES:

Design and Detailing Machine Shop Oil Field Machinery & Equipment Repair GREAT LAKES STEEL LIMITED P.O. Box 2056 Thunder Bay, Ontario, Canada P7B 5E7

Contact: L.J. Torok Tel: (807) 345-2371

Monthly production capacity of 90 metric tons. Modern shop equipment.

PLANT LOCATION:

Great Lakes Steel Limited Thunder Bay, Ontario, Canada P7B 5E7

TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial, institutional, single and multi-storey building structures; plate girder and truss-type bridges; guyed and self-supporting towers; tanks, bins, hoppers and chutes in platework.

SPECIFICATIONS AND STANDARDS:

Canadian Welding Bureau; Canadian Standards Association S-16; Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Welding machines, saws, brakes, shears, rolls, punches, shot blasting equipment and various cranes which include a 54 metric ton (60-ton) capacity machine.

GREAT WEST STEEL INDUSTRIES LTD. 1060 One Bentall Centre Vancouver, British Columbia, Canada V7X 1C8

Contact: D. Scott Kennedy Title: Vice-President Tel: (604) 524-4421

#### PLANT LOCATIONS:

Great West Steel Industries Ltd. 6010 Trapp Road New Westminster British Columbia Canada Tel: (604) 524-442

Great West Steel Industries Ltd. P.O. Box 5688, Station A Calgary, Alberta, Canada Tel: (403) 252-7591

Great West Steel Industries Ltd. 2801 - 84th Avenue Edmonton, Alberta, Canada Tel: (403) 464-0435

## TYPE OF STRUCTURAL STEEL PRODUCED:

Designs manufactures and installs structural steel, open web steel joists, and other structural steel work for the construction industry.

#### SPECIAL FACILITIES AND SERVICES:

Platework and furnaces for the oil and gas industries. Produces extruded hollow core concrete wall and floor slabs. Supplies mobile crane services. HMW INDUSTRIES LIMITED (FORMERLY HALIFAX METAL WORKERS LTD.) P.O. Box 756 Halifax, Nova Scotia, Canada B3J 2V2

Contact: D.J. Oulton (President)

D.P. Lyons (Marketing Manager)

Te1: (902) 469-7760 Telex: 019-31467

Fabricating and construction services including: fabrication and erection of structural steel for building frames, bridges, towers and other structures. Manufacturers of products for all natural resource industries.

# PLANT LOCATIONS:

HMW Industries Limited 12 Dawn Drive, Dartmouth, Nova Scotia Tel: (902) 469-7760 Telex: 019-31467

HMW Industries Limited 442 Queen Street Truro, Nova Scotia Tel: (902) 895-9233 Telex: 019-34505

# TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, Commercial and institutional building structures; bridges and towers; plate work; marine structures such as barges, pontoons, buoys and flat bottom ferries. Fabrication and erection of miscellaneous and ornamental metal for buildings.

#### TYPE OF PRODUCTS MANUFACTURED:

Fishing vessel deck machinery, offshore oil rig and supply vessel equipment, sawmill equipment, steel mill equipment, coal mining equipment, stainless steel and non ferrous items for industrial and construction markets.

## SPECIFICATIONS AND STANDARDS:

All recognized North American standards; Canadian Institute of Steel Construction; Canadian Welding Bureau Class I Certification.

# SPECIAL FACILITIES AND SERVICES:

Complete Engineering and welding Services; CNC Machining; Field Construction; Steel Service Centre; marine repair facility. HAMILTON MIXER CO. LTD. 2693 Barton Street East P.O. Box 154 Stoney Creek, Ontario, Canada L8G 3X9

Contact: R.B. Munford Title: Sales Manager Tel: (416) 561-2805

Manufacturers of ready—mix concrete mixers, the company also fabricates and machines a variety of steel and stain—less steel items for industrial and construction markets.

#### PLANT LOCATION:

Hamilton Mixer Co. Ltd. 2693 Barton Street East Hamilton, Ontario Canada

## TYPES OF PRODUCTS MANUFACTURED:

Self-dumping scrap boxes; loading docks; X-ray tables; stainless steel batch annealing inner covers and

furnace covers; fabricated steel pipe; fittings and flanges to 21.33 cm (84") diameter; flatbed and dump trailers to 12.2 m (40'); concrete mixers to 15.5 metre (19-yard) capacity.

## SPECIFICATIONS AND STANDARDS:

Custom welding and testing facilities to required specifications.

# SPECIAL FACILITIES AND SERVICES:

A 6.3 cm x 3 m (3/8" x 10') shear, 272 metric ton (300-ton) hydraulic brake press, various lathes, milling machines, welders, and light and heavy-duty rollers.

HARDING INDUSTRIES LTD. 2301 Faithfull Avenue Saskatoon, Saskatchewan, Canada S7K 3R3

Contact: Grant Harding Title: President Tel: (306) 652-6026

Fabricating miscellaneous steel products for the industrial, commercial, residential and agricultural sectors.

PLANT LOCATIONS:

Saskatoon, Saskatchewan, Canada

2306 Idylwyld Drive North Saskatoon, Saskatchewan, Canada

# FACILITIES AND SERVICES:

Fabrication of gauge steel and light plate, Hot Rolled, Cold Rolled, Stainless Steel, Galvanized, and Aluminum, Shearing Presses, Power Brakes, Punch Press, Rolling - Sawing, Welding, and Painting. Custom job shop serving all areas of Construction and Industry.

HILKRON STEEL
5815 Dixie Road North
Mississauga, Ontario, Canada
L4W 1E8
Tel: (416) 677-3950

Contact: Roy D. Cristie Title: General Manager

PLANT LOCATIONS:

Hilkron Steel 5815 Dixie Road North Mississauga, Ontario, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Fabrication and erection of structural steel for building frames, warehouses, dock buildings, harbour, storage buildings, sportsplex, arenas. Structural steel design and fabrication of feed grain buildings, small plants and related items.

# SPECIAL FACILITIES AND SERVICES:

Steel and iron shot blast cleaning machinery; design and fabrication of motorized rotating platforms and floors. Fabrication of oceanic buoys, marine-type powered and non-powered barges, scows, sewage pumping stations, transmission towers, platework.

HODGSON'S STEEL 5580 Kalar Road Niagara Falls, Ontario Canada L2E 6S4

Contact: F. Trent Hodgson

Title: Estimator Tel: (416) 356-8132 Telex: 0615295

Engineering, design, estimating, fabrication, industrial installation and erection of steel fabrications for industry and construction.

#### PLANT LOCATION:

5580 Kalar Road, R.R. 1 Niagara Falls, Ontario, Canada

#### TYPE OF STRUCTURAL STEEL PRODUCED:

Angles; beams; bars; pipes; rails; custom, industrial and mechanical steel fabrication; sewer, tunnel and subway ribs of all types; structural steel fabrication; miscellaneous steel fabrication; platework; tanks; chutes; hoppers and vessels. Plate rolling 3.1.75 - 177.8 mm (1/8" - 7") thick; 3 to 3.6 metres (10' to 12') wide.

# SPECIAL FACILITIES AND SERVICES:

Press braking 3.6 m wide to 152.4 mm thick (12' wide to 6" thick). 9.146 m

wide to 50.8 mm thick (30' wide to 2" thick). Shearing plate 3.6 m wide to 15.8 mm thick (10' wide to 5/8" thick). Burring and stripping tables: Tape-controlled multihead, Union Carbide computer-controlled multihead. Union Carbide computer-controlled plasma. Overhead cranes and material handling equipment 1.81 - 81.64 metric tons.

Stock electric hoists 1.81 - 32.67 metric tons, chain and wire rope hoist to 25 metric tons. Rolling of steel sections easyway or hardway; rings, flanges, plate, gear blanks, wide flange section up to 50.86 cm (24") pipe. Custom fabrication; press breaking, forming, shearing, rolling, cold section bending. Engineering, design, estimating. Millwriting, rigging, erection.

HONCO INC. 1191, chemin Industriel Bernières, Québec, Canada GOS 1CO

Contact: Paul Lacasse Title: President Tel: (418) 831-2245

TYPE OF STRUCTURAL STEEL PRODUCED:

Commercial and industrial prefabricated steel buildings with self-bearing walls and a ventilated roof-space for insulation and for installing vent pipes.

We also produce all accessories for our buildings--e.g., eavestroughs, door and window frames, wall insulation supports and so on.

SPECIFICATIONS AND STANDARDS:

National Building Code and CSA S 136 for cold-rolled sheet steel.

SPECIAL FACILITIES AND SERVICES:

Authorized distributors throughout Canada and the United States.

I.P. CONSTRUCTORS LTD. 5430-30th Street S.E. Calgary, Alberta, Canada T2C 1G2

Contact: J.S. Mulvey Tel: (403) 279-7553 Telex: 03-821154

#### PLANT LOCATION:

I.P. Constructors Ltd. 5430-30th Street S.E. Calgary, Alberta, Canada T2C 1G2

# TYPE OF PRODUCTS MANUFACTURED:

Steel fabrication for oil, gas, petrochemical and related industries. Pressure Vessels, tanks, pressure piping, process units completely shop constructed and housed, flare stacks, scrubbers, strainers, filters, separators and other custom fabrication work.

# SPECIAL FACILITIES AND SERVICES:

Plant equipped with modern pressure fabrication and testing equipment staffed by Professional Engineers and Designers. ASME "U" certified. Field construction services also offered. Quality Control Program registration AQP(s)-1031.

J.H. LOCK & SONS LTD. 150 Perth Avenue Toronto, Ontario, Canada M6P 3X4

Contact: James Holland Title: Sales Manager Tel: (416) 531-1186 Telex: 06-219525

Steel fabrication for petrochemical, oil, gas, rubber, mining and related industries. Capability and equipment to handle steel fabrication up to 50 metric tons with custom fabrication in all materials except titanium.

# PLANT LOCATION:

J.H. Lock & Sons Ltd. 150 Perth Avenue Toronto, Ontario, Canada

TYPE OF PRODUCTS MANUFACTURED:

Refrigeration compressing units, heat exchangers, pressure vessels, recuperators for waste has heat recovery, and allied equipment.

# SPECIFICATIONS AND STANDARDS:

ASME, TEMA, API, CSA. Member of the Canadian Heat Exchanger and Vessel Manufacturers Association (CHEVMA).

#### SPECIAL FACILITIES:

Quality control program CSA Z 299.3.

J.K. CAMPBELL AND ASSOCIATES LIMITED Suite 104, 14315 - 118th Avenue Edmonton, Alberta, Canada T5L 486

Contact: Mel. J. Schneider

Title: Plant Manager Tel: (403) 452-5814 Telex: 03-72456

Custom fabricators of carbon steel, stainless steel, aluminum and other alloys.

#### MAIN PLANT LOCATION:

J.K. Campbell and Associates Limited 15304 - 121A Avenue Edmonton, Alberta, Canada T5J 2G6

# TYPE OF STRUCTURAL STEEL PRODUCED:

Specialists in the fabrication of custom process equipment, light structural, tanks, bins, hoppers, duct,

chutes and light pressure vessels.

#### SPECIFICATIONS AND STANDARDS:

- Canadian Standards Assoc.
- Canadian Welding Bureau
- Canadian Institute of Steel
  Construction
- American Society of Mechanical Engineers

#### SPECIAL FACILITIES AND SERVICES:

Plate shear, brake, plate rolls, angle rolls, plasma arc cutting facilities etc.

JOHN T. HEPBURN, LIMITED 914 Dupont Street Toronto, Ontario, Canada M6H 1Z2

Contact: W.A. Hepburn Jr. Title: Manager, Marketing Tel: (416) 534-8871

PLANT LOCATION:

914 Dupont Street Toronto, Ontario, Canada

TYPE OF PRODUCTS MANUFACTURED:

Fabrication and erection of steel structures including multi-storey buildings; commercial and factory buildings; mill-type buildings; institutional structures; highway and railway bridges. Fabrication and erection of structures for smaller buildings: service stations, stores, store fronts,

minor commercial and factory buildings. Dust collectors. Cut-to-shape or size structural steel products and fabricated weldments.

SPECIFICATIONS AND STANDARDS:

Canadian Welding Bureau; Canadian Institute of Steel Construction; National Building Code.

SPECIAL FACILITIES AND SERVICES:

Blast cleaning of white metal.

KRUPP INDUSTRIES (CANADA) LTD. P.O. Box 2430 34 Street and Highway 16A East Edmonton, Alberta, Canada T5J 2R4

Contact: J. Slobodan S. Knox Tel: (403) 465-1471 Telex: 037-2004

PLANT LOCATIONS:

Edmonton, Alberta, Canada

Calgary Branch (office only) 315 - 19 Street S.E. Calgary, Alberta, Canada T2E 6J7

Contact: B. Bodner Tel: (403) 248-2668 Tlx: 038-27741 TYPE OF STRUCTURAL STEEL PRODUCED:

Fabricate and install open web steel joists, structural steel, bridge steel, towers, and general plate work.

SPECIAL FACILITIES AND SERVICES:

Vertical/horizontal boring and milling, braking, shearing, and rolling.

LEARD ENTERPRISES INC. P.O. Box 562 Montague, P.E.I. COA 1RO

Contact: Robert Leard Title: President Tel: (902) 838-2896

PLANT LOCATION:

Montague - 4,000 sq. ft. 10 employees

TYPE OF STRUCTURAL STEEL PRODUCED:

Complete line of metal buildings for commercial, industrial and institutional applications and a full range of agricultural buildings for the farm market. Fabrication of framing members for steel buildings using welded sheet, strip and plate.

# SPECIFICATIONS AND STANDARDS:

National Building Code, Canadian Welding Bureau.

SPECIAL FACILITIES AND SERVICES:

Custom Design. Complete cutting, welding and painting facilities. Overhead crane sales and service.

LEBLANC & ROYLE COMMUNICATIONS TOWERS LIMITED 514 Chartwell Road P.O. Box 880 Oakville, Ontario, Canada L6J 5C5

Contact: G.J. Wilson

Title: Director, Sales & Marketing

(or Plant Manager of plants listed below)

Tel: (416) 844-1242 Telex: 06-982226 Twx: 610-495-2676

#### PLANT LOCATIONS:

514 Chartwell Road, P.O. Box 880 Oakville, Ontario, Canada L6J 5C5

4-1561 Brookside Blvd. Winnipeg, Man1toba R2R 1V6 Telephone: (204) 633-7210 Telex: 07-55261

2109 - 5th Street, P.O. Box 113 Nisku, Alberta TOC 2G0 Telephone: (403) 955-8738 Telex: 037-3608

3450 Blvd. Losch St. Hubert, Quebec J3Y 5T6 Telephone: (514) 462-0222 Telex: 05-24266

338 Industrial Drive, P.O. Box 3266 Regina, Saskatchewan S4P 3H1 Telephone: (306) 543-1119 Telex: 071-2788

121 Main Street, P.O. Box 1468 Bible Hill Truro, Nova Scotia E2N 5V2 Telephone: (902) 893-3043 Telex: 019-34593

L & R Communications Towers (Western) Ltd. 6780 Glover Road, P.O. Box 3249 Langley, B.C. V3A 4R6

Telephone: (604) 534-7941 Telex: 043-65512 TYPE OF STRUCTURAL STEEL PRODUCED:

Design, fabrication and erection of communications towers and associated products. Towers available standard designs include self supporting and guyed structures in both prefabricated and field assembled types. Guyed structures are available up to 1,200 feet in height. Towers designed to satisfy all types of communication requirements including microwave, FM, TV and AM. All designs comply with Canadian, American and International standards. Special tower designs are available for wind generators, lighting towers, environmental data gathering systems and FH antenna systems.

#### SPECIAL FACILITIES AND SERVICES:

Specialize in reforming 90 degree angle to 60 degrees angle using custom-designed rolling machine.

LES INDUSTRIES SUPER METAL INC. 655, boul. Pierre Bertrand Ville Vanier, Québec GIM 2E4

Contact: Gerard Bouchard

Title: President and General Manager

Tel: (418) 687-0810 Telex: 051 3047

# PLANT LOCATIONS:

Les Industries Super Métal Inc. 655, boul. Pierre Bertrand Ville Vanier, Québec G1M 2E4

Solu Beauce Inc. 640, boul. Lacroix St-Georges de Beauce Québec G5Y 1P3

#### TYPES OF PRODUCTS MANUFACTURED

Design, fabrication and erection of structural steel for commercial, industrial, institutional buildings.

Custom platework, trusses, girders, bins, hoppers, bridges, towers, dam, gates, fabrication and installation of other industrial equipment.

Fabrication and installation of the Canadian patented self-adjustable Solu steel stair system used for residential, institutional, commercial and industrial purposes.

# SPECIFICATIONS AND STANDARDS:

All recognized standards and specifications. Member of the Canadian Institute of Steel Construction, and The Canadian Welding Bureau.

## SPECIAL FACILITIES AND SERVICES:

Wheelabrator sandblasting equipment of capacity 12' height, 4'6" width and no length limit.

LORD & CIE LIMITEE 4700, rue d'Iberville Montréal, Québec, Canada H2N 2M2

Contact: André Marceau

Title: President and General Manager

Tel: (514) 527-3111 Telex: 05-25375

The company has a production capacity of 15,000 metric tons of structural, and 40,000 metric tons of cold formed steel per year.

## PLANT LOCATIONS:

4700, rue d'Iberville Montréal, Québec, Canada

Napierville, Québec, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel of all kinds for buildings, bridges, towers, conveyors, etc. All shapes of steel decking, prepainted and galvanized metal siding, cold formed channels, angles and other products.

# SPECIFICATIONS AND STANDARDS:

All applicable building codes and specifications including Canadian Standards Association; Canadian Welding Bureau; National Building Code. Member, Canadian Institute of Steel Construction and Canadian Sheet Steel Building Institute.

SPECIAL EQUIPMENT AND SERVICES:

Equipment and crews for on-site erection.

LORLEA STEELS LIMITED 225 Orenda Road Bramalea, Ontario, Canada L6T 1E6

Contact: B.T. Hunter
Title: General Sales Manager

Tel: (416) 457-5110

PLANT LOCATIONS:

Lorlea Steel Limited 225 Orenda Road Bramalea, Ontario L6T 1E6

TYPE OF STEEL PRODUCTS PRODUCED:

Roll formed steel building components for the industrial, commercial, institutional and agricultural sectors, steel roof deck,; steel floor deck; insulated and uninsulated prepainted steel wall and roof cladding systems; cold-formed structural steel channels for building girts and purlins; custom roll forming.

SPECIFICATIONS AND STANDARDS:

Canadian Sheet Steel Building Institute, Canadian National Building Codes, Canadian Welding Bureau.

SPECIAL FACILITIES AND SERVICES:

Complete engineering and detailing service; field supervision of erection.

MARITIME STEEL AND FOUNDRIES LIMITED 379 Glasgow Street New Glasgow, Nova Scotia, Canada B2H 5C3

Contact: Douglas Brown, Vice-President

Tel: (902) 752-1151 Telex: 019-36519

Complete fabricating, machining and erecting services for bridges, etc.

# PLANT LOCATION:

Maritime Steel & Foundries Limited 379 Glasgow Street New Glasgow, Nova Scotia, B2H 5C3

Maritime Steel & Foundries Limited 565 Windmill Road Dartmouth, Nova Scotia

TYPE OF STRUCTURAL STEEL PRODUCED:

Bridges of all types (including moveable), commercial, industrial and institutional buildings, power houses, plate girders and all types of platework, tanks, hydro and lock gates, penstocks, custom fabrication.

# SPECIFICATIONS AND STANDARDS:

All recognized North American standards, Canadian Welding Bureau, Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Complete welding, stress relieving, blast cleaning, machining and field erection services.

MARSHALL STEEL LIMITED 807 Marshall Street Laval (Québec) Canada H7S 1J9

Contact: Mel Grimes Title: Sales Manager Tel: (514) 334-7110 Telex: 055-60883

### PLANT LOCATIONS:

Marshall Steel Erectors Limited 807 Marshall Street Laval (Quebec) Canada

## TYPE OF STRUCTURAL STEEL PRODUCED:

Suppliers and fabricators of structural steel for building frames, bridges and other industrial structures. Supply and field erection of heavy industrial projects: steel mills, paper mills, ore processing plants and power plants.

# SPECIAL FACILITIES AND SERVICES:

Plants equipped with modern structural processing and surface preparation equipment. Staffed by design and production engineers.

#### SPECIFICATIONS AND STANDARDS:

Canadian Standards Association; Canadian Welding Bureau; American Welding Society; American Society of Mechanical Engineers; Canadian Institute of Steel Construction. Conforms to American Institute of Steel Construction. MAXTOWER COMPANY LIMITED
5 Edmondson Street
Brantford, Ontario, Canada
N3T 5M8

Contact: L. Bill Derks

Title: Manager Tel: (519) 752-6501 Telex: 061-81135

Manufacturers of communication towers. Components hot dipped galvanized. Tower legs of solid bar or tubular steel. Towers exceed Canadian Standards Association Standards and are available complete with all hardware and guy-wires.

#### PLANT LOCATION:

Maxtower Company Limited 5 Edmondson Street Brantford, Ontario, Canada

# TYPE OF STRUCTURAL STEEL PRODUCED:

Steel communication towers, self-supporting to 70 meters 230' and guyed towers to 183 meters 600'. For microwave and mobile communications. AM and FM Radio towers and TV towers. Towers for lighting, underwater and lookout uses.

### SPECIFICATIONS AND STANDARDS:

Designed to Canadian Standards
Association requirements. Manufactured
to C.W.B. approved procedures.

McCRINDLE STEEL INDUSTRIES LIMITED 3300 Marentette Avenue Post Office Box 966 Windsor, Ontario, Canada N9A 6P4

Contact: A.W. McCrindle, President

Tel: (519) 966-1765

PLANT LOCATION:

McCrindle Steel Industries Limited 3300 Marentette Avenue Windsor, Ontario

TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial, institutional building structures including miscel-laneous iron work if required; capable of complete design, fabrication of speciality items such as flumes, highway guard rails, non-pressure tanks.

## SPECIFICATIONS AND STANDARDS:

National Building Code, Ontario Building Code, Canadian Standards Association Canadian Welding Bureau

SPECIAL FACILITIES AND SERVICES:

Modern fully equipped plant and offices; overhead travelling cranes; manual and semi automatic welding; own shipping fleet; fully equipped portable erection units; own hydraulic cranes.

McNAMARA INDUSTRIES
P.O. Box 8923
St. John's, Newfoundland, Canada
A1B 3R9

Contact: H.K. Grabke Tel: (709) 368-3186 Telex: 016-4576

Structural steel for major projects.

PLANT LOCATION:

Octagon Pond St. John's, Newfoundland, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Fabrication and erection of structural steel for commercial, industrial, and institutional buildings. Fabrication of all kinds to customers' specifications; including girders, trusses, open web steel joists.

SPECIFICATIONS AND STANDARDS:

Member of the Canadian Institute of Steel Construction and the Canadian Welding Bureau.

SPECIAL FACILITIES AND SERVICES:

Design, fabrication and erection of field erected tanks. Erected 600,000 barrel capacity tank for Come-By-Chance refinery, Newfoundland, Canada. Intricate types of platework to customers' specifications in steel, stainless steel or aluminum.

MCNULTY'S WELDING LIMITED 1206 Avenue "W" South Saskatoon, Saskatchewan, Canada S7M 3G9

Contact: G.W. Kirton Title: General Manager Tel: (306) 382-1171

Fabricators in mild steel, stainless steel, aluminium.

PLANT LOCATION:

McNulty's Welding Limited 1206 Avenue W South Saskatoon, Saskatchewan S7M 3G9

TYPE OF PRODUCTS FABRICATED:

Well head tanks, field storage tanks from 100 barrel to 100,000 barrel. Stainless steel and aluminium tanks of all sizes. Semi trailer tanks in aluminum and stainless steel.

SPECIAL FACILITIES AND SERVICES:

Auxiliary services such as field erection of tanks, steam cleaning of tanks and tankers. Sandblasting, special coatings and repairs.

METAL FABRICATORS AND WELDING LTD. 12509-124 Street Edmonton, Alberta T5L ON6

Contact: D.G. Delisle
Title: Vice-President and
Plant Manager
Tel: (403) 455-2186

Welding and cutting of steel and stainless steel ranging from  $\frac{1}{4}$ " in thickness to 1/16" in thickness. General fabrication of sheet and plate also stainless  $\frac{1}{4}$ " to 1/16".

Light pressure vessels using 3/16" and  $\frac{1}{4}$ " material.

Welding with stick - Micro wire - TIG - MIG also submerged arc - all welders certified.

We specialize in shearing, braking and rolling our own material, also customers' material. METALLURGIE PELCHAT INC. 4e rue, Centre Industriel St-Romauld, Cté Lévis Quebec, Canada G6W 5M6

Contact: Pierre Laplante, Eng. Title: Contracts Manager

Tel: (418) 839-0653

Manufacture and erection of commercial, industrial and institutional steel structures.

PLANT LOCATION:

4e rue Centre Industriel St. Romauld Cté Louis Quebec

TYPE OF STRUCTURAL STEEL PRODUCED:

Manufacturing of fabricated structural steel according to customer specifications, for individuals, general contractors, engineers or project managers. There are four different models of Quebec design, designed and produced to meet specific requirements and comply with prescribed budgets.

SPECIAL FACILITIES AND SERVICES:

Engineering, estimating, manufacturing, installation, supervisory and coordination services, plans and specifications.

SPECIFICATIONS AND STANDARDS:

Member of the Canadian Institute of Steel Construction; the Canadian Welding Bureau; the Bureau de Normalisation du Québec; the Canadian Standards Association; the Canadian Government Specifications Board. NEWMAN STRUCTURAL STEEL LIMITED A Division of Newman Steel Limited 130 Denistoun Street South Welland, Ontario, Canada L3B 5P7

Contact: A.T. Hubert Title: Vice-President Tel: (416) 735-1520 Telex: 061-5322

Facilities for design, fabrication and erection of structural steel. Service centre stocks more than 27,215 metric tons of steel.

TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial and multistorey building structures; girder and truss bridges; microwave, cooling and conveyor towers, anti-pollution towers; tanks; bins and hoppers; heaters and furnaces in platework.

#### PLANT LOCATIONS:

Newman Structural Steel Limited 130 Denistoun Street South Welland, Ontario, Canada

Newman Structural Steel Limited Electrical Construction Division 130 Denistoun Street South Welland, Ontario, Canada

Newman Steel Limited 2485 Speers Road Oakville, Ontario, Canada

12 Teal Avenue Stoney Creek, Ontario, Canada

2253 Lasalle Blvd. Sudbury, Ontario, Canada

Highway 16-A East at 24th Street Edmonton, Alberta, Canada

8325 Main Street Vancouver, British Columia, Canada A.C. Leslie Limited 5435 Royalmount Montréal, Québec, Canada

M.E.F. Machine and Tool Limited 40 Page Street St. Catharines, Ontario, Canada . ...

A. Newman & Sons Limited 424 Glendale Avenue St. Catharines, Ontario, Canada

SPECIFICATIONS AND STANDARDS:

National Building Code; Canadian Institute of Steel Construction; Canadian Welding Bureau.

SPECIAL FACILITIES AND SERVICES

Supplies integrated services including structural, civil, mechanical and electrical components. Complete line of fabricating and welding equipment. Through affiliated companies, supplies complete line of service centre and pre-manufacturing services in all grades of ferrous and non-ferrous metals; country-wide stock holding of 100,000 metric tons.

Coil handling and processing facilities capable of handling coil up to 20 mm (3") thick.

Complete machine shop facilities for custom and production run contracts.

NIAGARA STRUCTURAL STEEL (ST. CATHARINES) LTD.
P.O. Box 730
23 Smith Street
St. Catharines, Ontario, Canada
L2R 6Y6

Contact: Mr. R. Kennedy

Title: President Tel: (416) 688-6942 Telex: 061-5149

Operates various subsidiaries and divisions.

#### PLANT LOCATIONS:

Niagara Structural Steel (St. Catharines) Limited P.O. Box 730 23 Smith Street St. Catharines, Ontario, Canada L2R 6Y6

Niasco Steel Ltd. 649 South Service Road Grimsby, Ontario, Canada L3M 4H8

Compu Draft
Division of Niagara Structural Steel
(St. Catharines) Limited
P.O. Box 730
23 Smith Street
St. Catharines, Ontario, Canada
L2R 6Y6
Norforge Inc.
232, rue des Poinniers
Sept-Iles, Québec, Canada
G4R 4L2

Norsteel Ltd. 234, rue des Pionniers Sept-Iles, Québec, Canada

Niagara International
Division of Niagara Structural Steel
(St. Catharines) Limited
P.O. Box 730
23 Smith Street
St. Catharines, Ontario, Canada
L2R 646

#### TYPE OF PRODUCTS MANUFACTURED:

Fabrication and erection of structural steel and platework. Service centre for complete range of warehouse steel. Custom plate and light structural steel fabrication: bins; tanks; hopper car unloaders; ore and coal handling equipment, steel mill blast furnace components; ductwork; large piping; cable reels; booms; transformer tanks; conveyor framing. Grinding balls up to 1.27 cm  $(2\frac{1}{2}")$  diameter. Overseas marketing of steel structures for buildings, plants and bridges. Custom fabricated steel products. Design and erection of structural steel (light and heavy) fabricating plants, forging operations etc., on turnkey projects.

### SPECIFICATIONS AND STANDARDS:

All applicable building codes and specifications including Canadian Standards Association; Canadian Welding Bureau; National Building Code. Member, Canadian Institute of Steel Construction.

#### SPECIAL FACILITIES AND SERVICES:

Custom computer drawings for structural steel details and plans, electrical and electronic schematics, mechanical flow charts, drawing borders, miscellaneous forms, charts. Distributors of computer-aided drafting system -- hardware and software.

NORAK STEEL CONSTRUCTION LIMITED 44 Credit Stone Road Concord, Ontaro, Canada L4K 1B1

Contact: Peter Ober Tel: (416) 669-1767

Supplies, fabricates and erects structural steel for building frames, platework, and towers.

## PLANT LOCATION:

Norak Steel Construction Limited 44 Credit Stone Road Concord, Ontario, Canada

# TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial and institutional building structures; all types of towers; all types and sizes of platework; open web steel joists, longspan steel joists, steel truss work.

# SPECIFICATIONS AND STANDARDS:

All recognized North American standards including Canadian Institute of Steel Construction, Canadian Welding Bureau, Canadian Standards Association, Underwriters Laboritories, National Building Code, ASTM.

## SPECIAL FACILITIES AND SERVICES:

Full engineering services including design build., certified MIG and resistance welding, shot blast metal cleaning, drafting services; field construction.

NORONT STEEL LIMITED
Walden Industrial Park
P.O. Box 678
Copper Cliff, Ontario, Canada
POM 1NO

Contact: J. McRae Tel: (705) 692-3683

PLANT LOCATION:

Norton Steel Limited Walden Industrial Park Copper Cliff, Ontario, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Industrial, commercial and institutional building structures, plate work and miscellaneous iron.

SPECIFICATIONS AND STANDARDS:

Canadian Institute of Steel Construction. Canadian Welding Bureau. NORTH YORK STEEL FABRICATORS LIMITED 110 Millwick Drive Weston, Ontario, Canada M9L 1Y3

Contact: George Maione

Title: President Tel: (416) 742-5630

PLANT LOCATION:

110 Millwick Drive Weston, Ontario, Canada

TYPE OF STRUCTURAL STEEL PRODUCTS:

Structural steel, open web steel joists, miscellaneous metals, steel stairs, handrails, steel hoppers, conveyors and containers. Custom steelwork to customers' specifications.

SPECIFICATIONS AND STANDARDS:

Work bid to structural and consulting engineers' drawings and specifications. All recognized standards including CSA and ASTM.

SPECIAL FACILITIES AND SERVICES:

Custom shearing, breaking, burning and rolling.

OCEAN STEEL & CONSTRUCTION LTD. 406 Chesley Drive Saint John, New Brunswick, Canada E2K 1G4

Contact: Andrew D. Tanas

Title: Sales and Marketing Manager

Tel: (506) 657-2430 Telex: 014-47241

Currently fabricates about 22,679 metric tons of structural steel annually.

#### PLANT LOCATION:

Ocean Steel & Construction Ltd. 406 Chesley Drive Saint John, New Brunswick, Canada

### TYPE OF STRUCTURAL STEEL PRODUCED:

Schools; shopping centres; highrise buildings; hospitals; mines; smelters; pulp mills; chemical plants and prefabricated building components; bridges; girder, truss and orthotropic deck type; transmission and microwave towers; oil and water storage tanks;

pressure vessels; penstocks; all types of bins and hoppers; stainless steel chemical apparatus (clad and solid).

#### SPECIFICATIONS AND STANDARDS:

Member of Canadian Institute of Steel Construction' Canadian Welding Bureau, Canadian Standards Association. American Petroleum Institute 650.

### SPECIAL FACILITIES AND SERVICES:

Design office, fully automatic welding equipment, blast cleaning equipment, blast cleaning equipment, 274 metres (900') of crane runaway modern electric overhead cranes.

ODYSSEY BUILDING SYSTEMS INC. 3500 Dufferin Street Downsview, Ontario, Canada N3K 1N2

Contact: Robert Davies
Title: Director of Marketing
Tel: (416) 638-7140

Fabricates steel components for buildings and other structures; manufacturers and distributes pre-engineered steel buildings.

## PLANT LOCATION:

Odyssey Building Systems Inc. R.R. #5
Milton, Ontario, Canada
L9T 2X9

TYPE OF STRUCTURAL STEEL PRODUCED:

Steel building systems for industrial, commercial and institutional uses, including farm building systems, prefabricated steel housing units, campsites, etc.

SPECIAL FACILITIES AND SERVICES:

Designs to National Building Code CWB approved.

PEEL STEEL (NORTHERN) LIMITED 255 Rutherford Road South Brampton, Ontario, Canada L6W 3J7

Contact: Jim Rados, President
Karl Dinzl, General Manager
Tel: (416) 457-2110

Annual capacity of six to eight thousand metric tons of structural steel.

## PLANT LOCATION:

255 Rutherford Road South Brampton, Ontario, Canada L6W 3J7

TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel and open web, long span steel joists for industrial,

commercial and institutional buildings. The company works to all recognized buildings. The company works to all recognized building codes.

### SPECIAL FACILITIES AND SERVICES:

Complete engineering services, design built packages. MIG (Metal Inert Gas) welding and arc welding to all specifications. C.W.B. approved. S.I. fully integrated.

PEERLESS ENTERPRISES 1520 The Queensway Toronto, Ontario, Canada M8Z 1T6

Contact: Mr. Joseph Minialoff

Title: Vice-President Tel: (416) 251-3131

Product lines for the construction industry include fabricated steel components.

#### PLANT LOCATION:

Peerless Enterprises 1520 The Queensway Toronto, Ontario, Canada

### TYPE OF STRUCTURAL STEEL PRODUCED:

Steel components for industrial, commercial, institutional, utility buildings. Steel roof deck, steel floor deck; metal wall systems; decorative metal facia systems; performed metal roof panels; design metal roofing systems; customs fabricated metal louvres and prefabricated steel eave systems.

## SPECIFICATIONS AND STANDARDS:

Metal wall systems, performed design metal roof systems, metal louvres, ASTM standard A 446 Grade A zinc coated (galvanized) steel coated, 5000 series, 10,000 series, finish P.V.S. (Polyvinyl Chloride) coated steel. S/136-1974 cold formed steel structural members C SSB1 technical bulletin No. 3, standard for steel roof deck.

### SPECIAL FACILITIES AND SERVICES:

Technical, engineering assistance available. Technical data available on all products manufactured and installed.

PREBILT STRUCTURES LTD.
423 Mt. Edward Road
P.O. Box 216
Charlottetown, P.E.I., Canada
C1A 7K4

Contact: Martin Elsinga Title: Manager

Tel: (902) 892-8577

PLANT LOCATION:

Charlottetown - 13,000 sq. ft. 20 employees and erecting crew - total 30.

TYPE OF STRUCTURAL STEEL PRODUCED:

All types for buildings of any description. Structural steel, joists and bridging, roof deck, V-pans, miscellaneous metals, stairs, railings, catwalks, etc., smokestacks, reinforcing steel.

SPECIFICATIONS AND STANDARDS:

National Building Code, Canadian Institute of Steel Construction, Canadian Welding Bureau.

SPECIAL FACILITIES AND SERVICES:

Complete Engineering Services
Welding, cutting, punching and
painting equipment. Field erection
services.

PRECISION SERVICE & ENGINEERING LTD. 1020 - 1st Avenue N.W. P.O. Box 1836 Prince Albert, Sask., Canada S6V 5S9

Contact: Arne F. Petersen, President

Tel: (306) 763-7471

Telex: 074-29277

Fabrication, design, engineering, machine shop operations and C.W.B. approved welding.

## PLANT LOCATION:

Precision Service & Engineering Ltd. 1020 - 1st Avenue N.W. Prince Albert, Sask., Canada

## TYPE OF STRUCTURAL STEEL PRODUCED:

Specialists in the design of custom steel fabrication for industries in Canada and U.S.A.. Able to undertake turnkey projects or simple fabrication. Main products are: Conveyors of all types, wafer-board process equipment, storage bins, rotary screens, formers, blenders, tanks, structural steel, and all types and sizes of platework.

PYLONEX INC. 1155 Dorechester West Suite 1517 Montreal, Québec, Canada H3B 2J6

Contact: Mr. Mark Coté

Title: Vice-President Marketing

Tel: (514) 871-1169 Telex: 055-61512

#### PLANT LOCATION:

Pylonex Inc. 45 Dorchester South Québec, Québec, Canada G1K 5Y1

Pylonex has complete in-house design and manufacturing capacity of:

Transmission towers, power substations and towers/masts for the communications industry. Staff includes specialists in design erection, general steel manufacturing, galvanizing as well as machining.

## TYPE OF STRUCTURAL STEEL PRODUCED:

All types of towers: transmission guyed and self supporting both single and double circuit up to and including 735 KV, river crossings power substations, guyed and self

supporting towers and masts for radio and microwave including tophospheric antennas. As well as towers for specific uses i.e. lookout towers, underwater towers, lightning towers etc.

# SPECIAL FACILITIES AND SERVICES:

- 1. Complete in-house engineering services.
- Metal working machinery for shearing, flame cutting, sawing, bending, pressing, drilling and punching.
- Machining capacity includes boring, shaping, milling gearing amongst others.
- 4. 13 meters Commercial galvanizing bassins using the dry hot dip process.

QUALITY FABRICATING & SUPPLY LIMITED 3751-76th Avenue R.R. 2 Edmonton, Alberta, Canada T6C 4E6

Contact: G.Alessandrini

Title: President Tel: (403) 468-6762 Telex: 037-41601

## PLANT LOCATION:

Quality Fabricating & Supply Limited 3751-76th Avenue Edmonton, Alberta, Canada T6C 4E6

### TYPE OF PRODUCTS MANUFACTURED:

Prepared to fabricate any structural steel product used in the mining or drilling industry. Supplier of structural steel for buildings or bridges, supplies all types of structural steel for building erection.

Quality Fabricating & Supply Limited has produced large rock truck bodies (170 Ton), over size low boy trailers (120 Ton) built especially for the mining industry, as well as fabricated masts, custom mud tanks and steel buildings for the drilling industry.

## SPECIFICATIONS AND STANDARDS:

Quality welding which follows CSA Standards W47.1-1973 in division 2.1.

R.B. STEEL FABRICATORS LTD.
Industrial Strip
P.O. Box 730
Sparwood, British Columbia, Canada
VOB 2G0

Contact: Peter Then
Title: General Manager
Tel: (604) 425-7227
Telex: 041-45109

Mainly involved with the mining industry.

## PLANT LOCATION:

R.B. Steel Fabricators Ltd. Industrial Strip, Highway 3 Sparwood, British Columbia, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Conveyor galleries, smoke stacks, ducting, stairs, chutes, bins,

structural steel, mine arches, etc., to customer specifications. Twenty-seven metric ton (30-ton) mobile cranes.

## SPECIAL FACILITIES AND SERVICES:

Machine shop and steel fabrication plant. Plant maintenance, pipelines, erection of machinery. Certified pressure vessel welding; field erection; liner application for industrial use in ceramics, stainless steel, UHMW, rubber etc.

ROBERTSON BUILDING SYSTEMS LTD. P.O. Box 100, Station A Hamilton, Ontario, Canada L8N 3B6

Contact: H.E. Seely Title: President and

General Manager

Tel: (416) 544-2831 Telex: 061-8388

Robertson Building Systems Ltd. are part of a worldwide group of companies, represented in 60 countries through manufacturing operations, marketing outlets and trading companies. Robertson Building Products, services and Pre-Engineered buildings are directed to commercial, industrial, institutional and recreational markets.

### PLANT LOCATIONS:

Robertson Buildings Systems Ltd. 411 Parkdale Avenue North Hamilton, Ontario, Canada

Robertson Building Systems Ltd. 61 Burford Road Hamilton, Ontario, Canada

Robertson Building Systems Ltd. 1835 Kingsway Port Coquitlam, British Columbia, Canada

## SPECIFICATIONS AND STANDARDS:

Products are manufactured to specifications of Underwriters' Laboratories of

Canada (ULC), Canadian Sheet Steel Building Institute (CSSBI), Canadian National Building Code and Canadian Welding Bureau (CWB).

Sheet Steel Specifications ASTM A-446, Grades A, B, C, C Modified, Plate to CSA G40.2144W.

# TYPES OF PRODUCTS MANUFACTURED:

Walls, roofs, floors, industrial ventilation in a wide range of materials, profiles, finishes, colours, including protected metals, non-skid industrial safety grating and complete line of pre-engineered buildings. SPECIAL FACILITIES AND SERVICES:

Analysis and recommendations for Gravity and Power Ventilators, air intake equipment and louvres.

Specializing in Retrofit Programs for older buildings, custom erection service and custom steel fabrication.

RODRIGUE METAL LTEE 2515, rue Dalton Sainte-Foy, Québec, Canada G1P 3S5

Contact: Pierre Métivier

Title: Manager, Structural Steel

Division Tel: (418) 878-2625 Telex: 051-3962

Rodrigue Métal Ltée operates four plants in Canada's province of Québec.

MAIN PLANT LOCATION:

40, d'Anvers St-Augustin, Portneuf Co. Québec, Canada GOA 3E0

TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel production and erection for all types of buildings: manufacturing plants, shipping centres, office buildings, hospitals, schools, bridges, etc. Produces and erects

worked metal for all types of buildings; produces special machinery for the timber and turniture industries; and industrial air filtration equipment.

SPECIFICATIONS AND STANDARDS:

Member of the Canadian Institute of Steel Construction and the Canadian Welding Bureau.

SPECIAL FACILITIES AND SERVICES:

Engineering, estimating and detailing services.

SIDBEC-DOSCO LTEE Truscon Works 6001, rue Irwin LaSalle, Québec, Canada H8N 1A1

Contact: André Cormier Title: Sales Manager Tel: (514) 366-3260 Telex: 055-66228

Manufacturers of Components for steel structures.

PLANT LOCATION:

Sidbec-Dosco Ltée (Truscon Works) 6001, rue Irwin LaSalle, Québec, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Open web steel joists, short and long span, trusses, metal lath, roof deck and material forms for building structures.

SPECIFICATIONS AND STANDARDS:

Canadian Standards Association S16 and S136-1974; Steel Joists Institute; Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Variety of heavy-duty resistance welding equipment; 18-stand B & K forming mill.

SOMETAL ATLANTIC LTEE 217, rue Léonidas Rimouski Québec, Canada G1L 7C1

Contact: J.Y. Leblanc Tel: (418) 723-6508 Telex: 051-86317

# PLANT LOCATIONS:

Sométal Atlantic Ltée 217, rue Léonidas Rimouski (Québec) Canada

Sométal Atlantic Ltée Matagami (Québec) Canada Tel: (819) 739-4322

#### TYPE OF PRODUCTS MANUFACTURED:

Hydroelectric project steel components including penstock steel liners, trash racks, stoplogs, intake gates, spillway gates, hoists and supporting structures, surge shaft steel liners, etc. Fabrication and field installation of structural steel for buildings and

bridges, reinforcing steel and wire mesh, and heating, ventilating and air conditioning systems.

## SPECIFICATIONS AND STANDARDS:

Canadian Institute of Steel Construction. Canadian Welding Bureau. "Groupement de l'Industrie Nucléaire du Québec".

### SPECIAL FACILITIES AND SERVICES:

Modern welding equipment, heat treating furnace, cold section bending and plate rolling, machining equipment, non-destructive testing equipment, grit blasting and painting equipment, transportation equipment, quality control. (CSA Z 299.2)

STEEL AND ENGINE PRODUCTS LIMITED 110 Water Street P.O. Box 1120 Liverpool, Nova Scotia, Canada BOT 1KO

Contact: A.S. Hirtle Title: Plant Manager Tel: (902) 354-3483 Telex: 019-21651

#### PLANT LOCATION:

Steel and Engine Products Limited 110 Water Street P.O. Box 1120 Liverpool, Nova Scotia, Canada BOT 1KO

#### WAREHOUSE:

Steel and Engine Products Limited 5455 Cogswell Street Halifax, Nova Scotia, Canada Tel.: (902) 455-7214 Telex: 019-21809

### TYPE OF PRODUCTS MANUFACTURED:

Fabrication and erection of storage tanks for gas, oil, and water.

Underground tanks with cathodic protection; basement; farm storage; truck tanks; pressure vessels; blow off tanks; hoppers and silos; process tanks and custom fabrications.

## SPECIFICATIONS AND STANDARDS:

ASME Section VIII, ULC S601, S603.1, API650 and welding certification to Department of Labour.

### SPECIAL FACILITIES AND SERVICES:

Rolls, brakes, shears, C.N.C. lather and milling centres. Plate burning, welding (Submerged arc), sand blasting, and special painting facilities.

STEELWELD (B.C.) LTD. 2705 East Kent Avenue Vancouver, B.C. Canada V5S 3T9

Contacts: E. Ross Welsh, General Manager

W. Wieczorek, Chief Estimator

Tel: (604) 438-3381

Telex: 04-55433

## PLANT LOCATION:

Steelweld (B.C.) Ltd. 2705 East Kent Avenue Vancouver, B.C. Canada

## TYPE OF STRUCTURAL STEEL PRODUCED:

Platework, tanks, pressure vessels, heat exchangers, process towers, bins and hoppers.

## SPECIFICATIONS AND STANDARDS:

American Society of Mechanical Engineers American Petroleum Institute; American Water Works Association; Canadian Standards Association.

## SPECIAL FACILITIES AND SERVICES:

Engineering services. Multiple torch cutting and all types of welding. Sandblasting and painting. Adjacent to tidewater for barge shipments.

STELCO FABRICATORS LTD. 1050 St. John Street P.O. Box 1276 Regina; Saskatchewan, Canada S4P 3B8

Contact: G.G. Devlin

Title: Manager

Tel: (306) 525-3371 Telex: 071-2202

Fabrication and field erection of heavy platework for mining operations, electrical utilities, pulp and paper, oil field and other engineering construction. Modern metallurgical and research facilities.

#### PLANT LOCATIONS:

Stelco Fabricators Ltd. 1050 St. John Street Regina, Saskatchewan, Canada

Stelco Fabricators Ltd. 5302 - 39th Street Camrose, Alberta, Canada

### TYPE OF STRUCTURAL STEEL PRODUCED:

Ring beams; structural arches; bent arches and rolled sections using wide flange and channels; heavy and light angle sections; conveyor modules; all kinds of heavy platework, field erected; a wide variety of field erected tanks;

stacks, stack liners; bins and hoppers of unlimited size. Concrete reinforcing steel.

#### SPECIFICATIONS AND STANDARDS:

American Petroleum Institute standards; Canadian Welding Bureau; Canadian Standards Association; Canadian Institute of Steel Construction; for mild steel, stainless steel, monel and stainless steel clad.

#### SPECIAL FACILITIES AND SERVICES:

Comprehensive engineering services; contracted heat treating facilities; wide range of welding equipment up to 1,200 amps, 4.763 mm (3/16") Linde, submerged arc; ring beam hydraulic press, 90.7 metric ton (100-ton) capacity. 267.84 metric ton (300-ton) brake, 3.81 x 25.4 cm  $(1\frac{1}{2}$ " x 10') plate rolls, 12.5 x 12.8 cm  $(5 \times 5\frac{3}{4}$ ") angle rolls.

STRUCTAL INC. C.P. 400 Ville de Québec, Québec, Canada G1K 7Z9

Contact: Jean-Pierre Warren

Tel: (418) 683-2561 Telex: 051-3347

Construction of heavy industrial structures, schools and warehouses; turnkey projects for steel framework and reinforcing steel. Structural inspections, installation of conveyors and other industrial equipment.

#### PLANT LOCATIONS:

Ville de Québec, Québec, Canada

Chicoutimi, Québec, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Fabricated steel sections for buildings, bridge girders, platework, tie rods, anchors, trusses.

SPECIFICATIONS AND STANDARDS:

All recognized standards. Member of Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Sandblasting. Wheelabrator with 1.83 metre (6') width capacity.

STRUCTURE C.Q.S. INC. 1005, rue Père Daniel C.P. 1360 Trois-Rivières, Québec, Canada G9A 5L2

Contact: Roméo Paré, ing. Title: Sales Manager Tel: (819) 378-2891 Telex: 05-837148

Fabricated structural steel, essentially for industrial projects. Annual capacity 9,071 metric tons of structural steel.

### PLANT LOCATION:

Structure C.Q.S. Inc. 1005, rue Père Daniel Trois-Rivières, Québec, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Building structures including industrial, commercial and institutional, prefabricated steel components for industrial buildings; girder, truss and orthotropic deck bridges; all sizes of tanks not less than 4.7 mm (3/16') shell; all sizes of bins, hoppers and conveyors.

#### SPECIFICATIONS AND STANDARDS:

All current structural specifications.
Montreal Building Code; American
Society Testing Materials; Canadian
Standards Association S16; Canadian
Institute of Steel Construction Code of
Standard Practice for Structural Steel
Buildings; AASHO and American Welding
Society.

SPECIAL FACILITIES AND SERVICES:

Engineering services. Welding equipment, shot blasting machine and Vacublast system for cleaning steel. Crane rental. Warehouse steel division.

SURREY IRONWORKS LTD. 12294 - 104th Avenue Surrey, British Columbia, Canada V3V 3H3

Contact: I.L. Hamilton

Title: Vice-President, General Manager

Tel: (604) 585-1511 Telex: 04-351157

Fabricators in aluminum, stainless and structural steels.

### PLANT LOCATION:

Surrey Ironworks Ltd. 11294 - 104th Avenue Surrey, British Columbia, Canada V3V 3H3

### TYPE OF STRUCTURAL STEEL PRODUCED:

Building of all types, including prefabricated metal; bridges, fixed and moveable; gates; sector; roller; bins; hoppers and chutes; conveyor galleries; space frames; towers and trash racks.

Mechanical: conveyors, stackers and unloaders; overhead and gantry cranes.

Miscellaneous: structural and ornamental rail; spiral and straight stairs; highway sign structures; flagpoles; ornamental canopies, etc., in brass, stainless steel, aluminum, etc., anodized as required.

# SPECIFICATIONS AND STANDARDS:

Members of Canadian Institute of Steel Construction; Amalgamated Construction Association; Canadian Welding Bureau. Codes worked to: Canadian Standards Association; American Association State Highways Officials, American Society of Mechanical Engineers.

### SPECIAL FACILITIES AND SERVICES:

Machine shop handles single pieces up to 44 metric tons. Pieces  $38 \times 4.9 \times 3.6 \text{ m}$  (125'  $\times$  16'  $\times$  12') shipped directly from the plant by water. Design and construction engineering

TIW INDUSTRIES LTD METALS GROUP Head Office 629 Eastern Avenue Toronto Ontario Canada M4M 1E4

Contact: Officials listed below

Tel: (416) 461-1111 Telex: 06-22088

#### PLANT LOCATIONS:

STEEL PLATEWORK DIVISION 629 Easter Avenue
Toronto, Ontario, Canada
Contact: Jack Warner
Title: Sales Manager
Tel: (416) 461-8111

Telex: 06-22088

Tanks, all sizes, shop-built and field-erected; pressure vessels and process towers, shop-build and field-erected; penstocks; heat exchangers, coolers, reactors, precipitators and other plant equipment.

LES CONSTRUCTEURS D'ACIER TIW LIMITÉE: 315-750, boulevard Laurentien Ville St- Laurent, Québec, Canada H4M 2M4

Contact: Jack Warner Title: Sales Manager Tel: (514) 747-9353

Telex: 05-825746
Field-erected storage tanks, standpipes surge tanks, penstocks and tunnel

liners, etc.

CENTRAL BRIDGE COMPANY 629 Eastern Avenue Toronto, Ontario, Canada M4M 1E4

Contact: A.E. Paine
Title: General Manager
Tel: (416) 461-8111
Telex: 06-22088

Institutional, commercial, mining, heavy industrial building structures including steel joists, conveyor galleries, mine headframes; girder, truss,

arch, orthotropic deck and other types of bridges; self-supporting and guyed microwave towers, satellite tracking antennas, communication towers.

C.K. STEEL & MACHINERY LTD. 4619 - 6A Street N.E. Calgary, Alberta, T2E 4B4

Contact: John Maw, P. Eng. Title: General Sales Manager

Tel: (403) 276-7971 Telex: 038-25642

Pressure vessels, heat exchangers, air coolers, reboilers, sulphur condensers, light structural steelwork, storage bins and hoppers, shop-built and field-erected.

#### SPECIFICATIONS AND STANDARDS:

Canadian Standards Association; Canadian Welding Bureau; American Society of Mechanical Engineers; American Petroleum Institute; Canadian Institute of Steel Construction.

### SPECIAL FACILITIES AND SERVICES:

Engineering services available in all divisions; stress relieving furnaces; automatic submerged arc, inert gas shielded arc and other special welding equipment; large plate rolls, capacity four-inch (10.1-cm) plate by 10 feet (3.05 meters) wide; hydraulic press; plate burning and automatic punching equipment.

T.S. METALS LTD.
Box 1615,
Swift Current, Saskatchewan, Canada
S9H 4G5

Contact: S.J. Taylor, President Tel: (306) 773-1566

# PLANT LOCATION:

T.S. Metals Ltd. 1666 Cheadle Street West Swift Current, Saskatchewan S9H OE2

# TYPE OF PRODUCTS MANUFACTURED:

- All types of roofing and ductwork for mobile homes, recreational vehicles, and industrial housing units.
- Miscellaneous light duty metal specialities.

## SPECIAL FACILITIES AND SERVICES:

Fully automatic cut-to-length line - maximum length - 20 feet, maximum width - 48 inches, maximum thickness - 26 ga. steel, slitter, rollformer, brake, various lockformers.

THE WIND TURBINE COMPANY OF CANADA LTD. 21 Howard Avenue Elmira, Ontario, Canada N3B 2C9

Contact: Ed Bailey

Title: Marketing Manager

Tel: (519) 669-5421 Telex: 069-55282

Design, manufacture, and erection of custom fabricated steel towers and structures. Both all-weld construction and bolt together types.

## PLANT LOCATION:

The Wind Turbine Company of Canada Limited 21 Howard Avenue Elmira, Ontario, Canada N3B 2C9

# TYPES OF PRODUCTS MANUFACTURES;

Custom steel communication, lighting and raceway towers, self supporting

and guyed. Accessories including steel platforms, ladders, anchors, etc. Hot dipped galvanized. Ladder climbing safety devices.

### SPECIFICATIONS AND STANDARDS:

Towers to Canadian Safety Association S37-1976. Welders have CWB Tickets. CWB certified shop.

## SPECIAL FACILITIES AND SERVICES:

Electrostatic painting; roll forming machine for cold forming angles from 90° to 60°; shearing and bending; prototypes.

TIDY WELDERS LIMITED
2015 Logan Avenue
Langley, British Columbia, Canada
V3A 4L5

Contact: R.J. Pride Title: President and

Chief Executive Officer

Tel: (604) 534-8585 Telex: 043-65519

Steel tanks for industrial and domestic use, built to client specifications. Installation of component parts. Auxiliary services such as special coatings and repairs.

#### PLANT LOCATIONS:

Langley, British Columbia, Canada

Dawson Creek, British Columbia, Canada

Nisku, Alberta, Canada.

TYPES OF STRUCTURAL STEEL PRODUCED:

Tanks and petroleum tank pressure vessels from 225 litre (50-gallon) to 227,300 litre (50,000-gallon) capacities for underground and above-ground storage for a range of uses including potable water, chemical, plastic pellet, forestry chips and petroleum

storage. All necessary accessories such as pumps, gauges, and fittings.

### SPECIFICATIONS AND STANDARDS:

Products manufactured to specifications of Underwriters' Laboratories of Canada (ULC), Canadian Petroleum Institute (CPI), American Water Works Association (AWWA).

### SPECIAL FACILITIES AND SERVICES:

Corrosion prevention and industrial coating department with shop and field application facilities; capable of handling a wide variety of coatings including fibreglass, baked phenolics, bonded rubber and aluminum cladding. Custom levelling and shearing department levels hot rolled steel coils from 6 mm (½') up to 1900 mm (72'), and field-erected tanks for tank farms.

UNIMADE INDUSTRIES
Div. of Magna International Inc.
582 Bowes Road
Concord, Ontario
L4K 1B1

Contact: Roy G. Brown, P. Eng. General Manager

Te1: (416) 669-9551 661-2292

PLANT LOCATION:

582 Bowes Road Concord, Ontario

TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel for industrial and commercial types of structures; specialty in beam, column and truss work. Offers complete design, fabrication and erection package. Limited bridge experience.

# SPECIFICATIONS AND STANDARDS:

Canadian Welding Bureau
Canadian Institute of Steel Constr.
Toronto Construction Association.

SPECIAL FACILITIES AND SERVICES:

Modern welding equipment, Whitney beam line, and wheelabrating facilities. Extensive experience in special coatings as well as standard primers.

VIC METAL CORPORATION
707 Industrial Blvd. E.
Victoriaville, Quebec, Canada
G6P 6T2

Contact: Marcel J. Dubois Title: Marketing Manager Tel: (819) 758-0661

### PLANT LOCATIONS:

707 Industrial Blvd. E. Victoriaville, Quebec, Canada

Bishop Street Cambridge, Ontario, Canada

Offices and Warehouses:

1300 Newton Street Boucherville, Quebec, Canada

2345 Watt Street Ste-Foy, Quebec, Canada

714 Malenfant Street Dieppe, New Brunswick, Canada

# TYPE OF PRODUCTS MANUFACTURED:

Steel and aluminum siding with natural and prepainted finishes for industrial, commercial, institutional and agricultural use.

Steel deck,  $1\frac{1}{2}$ " and 3" thick.

Galvanized steel roofing nails for farm use.

## SPECIFICATIONS AND STANDARDS:

Canadian Sheet Steel Building Institute, Canadian Standards Association; National Building Code. VICTORIA MACHINERY DEPOT CO. LTD. P.O. Box 670 Victoria, B.C. Canada VSW 2P3

Contact: M.D. Parfitt, Manager - Sales

Tel: (604) 283-2141

Telex: 049-7452

Fabricators of pressure vessels, heat exchangers, mining and forestry equipment; also foundry and machine shop work.

#### PLANT LOCATION:

Victoria Machinery Depot Co. Ltd. 343 Bay Street Victoria, B.C. Canada, V8T 1P5

## TYPE OF PRODUCT MANUFACTURED:

High pressure critical service pressure vessels; mechanical and thermal design of shell and tube heat exchangers; process packages for the oil and gas industry; kiln and mill shells, digesters; cast steel castings; heavy machine shop work. Custom forming and fabrication for marine and aerospace industries.

## SPECIFICATIONS AND STANDARDS:

ASME Code Section I, Section VII, Divisions 1 and 2.

Carbon and low alloy steel, chrome steels and chrome-nickel stainless steels, clad steels, P-1 to P-9 inclusive and P-11 and high strength steels such as HY-80, HY-100, T-1 etc.

Monowall - up to 7-1/2" thickness; multiwall beyond 7-1/2".

WESTANK-WILLOCK A Division of Willock Industries Ltd. 1155 Park Street Regina, Saskatchewan, Canada S4N 4Y8

Contact: G. Van Wachem Jr.
Title: Executive Assistant

Tel: (306) 525-6741

Telex: 071-2728

Steel, aluminum and stainless steel tanks and other custom fabrication for industrial, farm, domestic, or transportation uses. Manufacture in Vancouver, Edmonton, Regina, Toronto, and Moncton plants. Installation of component parts. Auxiliary services such as special coatings and repairs at all branches.

#### PLANT LOCATIONS:

Port Coquitlam, B.C. Canada Calgary, Alberta, Canada Edmonton, Alberta, Canada Saskatoon, Saskatchewan, Canada Regina, Saskatchewan, Canada Winnipeg, Manitoba, Canada Toronto, Ontario, Canada Montreal, Quebec, Canada Moncton, N.B. Canada

### SPECIFICATIONS AND STANDARDS:

As required. Underwriters Laboratories of Canada and Canadian Welding Bureau Certified.

# TYPES OF METAL PRODUCTS PRODUCED:

Transportation and truck equipment including truck mounted and semi-trailer units of all types, especially petroleum tanks and other bulk handling equipment, as well as low bed and heavy equipment trailers.

Storage tanks and related equipment including pumps, meters, gauges, hoses, nozzles, etc. available.

WESTEEL-ROSCO LIMITED
1 Atlantic Avenue
Toronto, Ontario, Canada
M6K 1X7

Contact: Mr. Saul Stolovitch

Title: Export Manager Tel: (416) 537-4411 Telex: 06-217656

NOTE: For domestic business please contact managers of plants listed below.

Canada's largest user of flat rolled steel, the company engineers and manufactures highly diversified metal products, and warehouses sheet metals for industrial use. It supplies foreign markets with a wide range of products including steel cladding and roofing products, highway drainage and agricultural products and machinery.

#### PLANT LOCATIONS:

Burlington, Nanaimo, Montreal, Calgary, Edmonton, Halifax, London, Longueuil, Ottawa, Prince George, Québec City, Regina, Saskatoon, Sudbury, Stoney Creek, Lively, Terrace, London, Thunder Bay, Toronto, Vancouver, Winnipeg, and Whitehorse, Fargo, North Dakota: and P. Graham Bell Associates, Georgetown, Ontario.

TYPES OF METAL PRODUCTS PRODUCED:

Roof and floor deck and prepainted

siding. Highway and drainage construction products include culverts, large knocked-down structures of corrugated plate, bridge deck, tunnel liner and highway guiderail.

Integrated systems for grain handling, conditioning and storage, including grain bins, hopper bottom bins, bulk feed tanks and aeration systems, farm roofing, siding, and panelizers. Steel fences for the residential market. Other divisions of the company supply pre-engineered buildings and storage systems for industrial, commercial and educational use. The Georgetown facility manufactures mainly procelain products.

#### SPECIFICATIONS AND STANDARDS:

Canadian Institute of Steel Construction; Canadian Sheet Steel Building Institute, Canadian National Building Codes; Canadian Welding Bureau. YORK STEEL CONSTRUCTION LIMITED 75 Ingram Drive Toronto, Ontario, Canada M6M 2M2

Contact: John W. Woodley
Title: Chief Estimator and
Sales Manager
Tel: (416) 241-5283

The company and subsidiaries have a combined annual capacity of more than 90,718 metric tons (100,000 tons) and provide steelwork for buildings and other construction projects.

### PLANT LOCATIONS:

York Steel Construction Limited 75 Ingram Drive Toronto, Ontario, Canada

London Steel Industries Division 48 Burslem Street London, Ontario, Canada

Bridge & Tank Company of Canada Ltd. Hamilton, Ontario, Canada

Bridge & Tank Western Division 50 Vulcan Avenue Winnipeg, Manitoba, Canada

Canadian Phoenix Steel Products Limited 289 Horner Avenue Toronto, Ontario, Canada

## TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel and joists for commercial, industrial and institutional buildings; steel floor deck, roof deck, and welded wire mesh; girder, truss, arch and orthotropic deck bridges; platework, custom fabricated pressure vessels, bins and hoppers and miscellaneous iron work.

### SPECIFICATIONS AND STANDARDS:

Work bid to structural steel consulting engineers' drawings and specifications. Member of The Canadian Institute of Steel Construction; Canadian Sheet Steel Building Institute; and The Canadian Welding Bureau.

## SPECIAL FACILITIES AND SERVICES:

Engineering services; all types of welding equipment; warehouse for structural and reinforcing steel; platework for heavy walled vessels; heat treating facilities; normalizing and stress relieving furnaces each having a maximum capacity of 200 emtric tons. Flanging and dishing, plate forming, vessel assembly and slignment (Deuma), and vertical plate rolls (Hugh Smith 5000 metric ton).

YORK STRUCTURAL STEEL LTD.
P.O. Box 1417
Industrial Park
Fredericton, New Brunswick, Canada
E3B 5S4

Contact; J.B. Saxon, P. Eng. Tel: (506) 454-5524 Telex: 014-46117

Frabrication and erection of structural steel for building frames, bridges and towers. Specialty custom platework. Material handling and pollution control equipment for mining and pulp and paper industries.

### PLANT LOCATION:

York Structural Steel Ltd. Industrial Park Fredericton, New Brunswick, Canada

TYPES OF PRODUCTS MANUFACTURED:

Industrial, commercial and institutional building structures; bridges and towers; all types and sizes of platework.

## SPECIFICATIONS AND STANDARDS:

All recognized North American Standards; Canadian Institute of Steel Construction; Canadian Welding Bureau Class I Certificate.

## SPECIAL FACILITIES AND SERVICES:

Steel Warehouse Divison: Crane rentals, engineering services and rigging. ZAGERMAN & CO. LIMITED 1630 Star Top Road Ottawa, Ontario, Canada K1G 3T9

Contact: R.P. Whalen Tel: (613) 741-5990

Supplies the construction industry with structural and reinforcing steel.

Assists in the selection of products for fabrication and erection of steel for buildings, small bridges, etc.

### PLANT LOCATION:

M. Zagerman & Co. Limited 1630 Star Top Road Ottawa, Ontario, Canada

TYPE OF STRUCTURAL STEEL PRODUCED:

Structural steel for industrial, commercial and institutional buildings, and small bridges.

### SPECIFICATIONS AND STANDARDS:

All recognized standards and specifications: Canadian Institute of Steel Construction.

SPECIAL FACILITIES AND SERVICES:

Civil engineering services available. Welding to most specifications.

ZENITH STEEL FABRICATORS LTD. 1880 Number Four Road Richmond, B.C. V6X 2L2

Contact: Mr. Julius G. Bekei

Title: President and General Manager

Tel: (604) 273-4661 Telex: 04-355779

PLANT LOCATION:

1880 Number Four Road Richmond, B.C.

TYPES OF PRODUCTS FABRICATED:

Structural steel for commercial and industrial application. Platework including storage tanks, and marine applications. Specialized mechanical equipment, bridges and conveyors.

# SPECIALTIES:

Pulp and paper mills, mining and ore processing plants, tanks, aircraft hangars, industrial and high rise buildings, marine barges.

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Empire Iron Works Ltd.	X	X	X		X	X							Х	X	X	X	X
Fairford Industries Ltd	X	X	X	X													
Foresteel Industries Ltd.					X	X							Х	X	X	X	Х
Frankel Steel Ltd.	X	X	X		X	X							X			X	X
G.P. Steel Fabricators Ltd.	X	X	X	X	X	X					X	X				X	X
Great Lakes Steel																	
Limited	Х	Χ	X	Χ	X	Х					Х	Χ	Χ			Х	X

			1	Fabri	cate	d Ste	el								:	1
BUILDING STRUCTURES	!	BRIDGE	\$			TOWERS		 PLATE	WORK						- 1	
	THE COMMON!															
MARTIN	Commence	To the state of th	A REAL PROPERTY OF THE PARTY OF	AND SE	4 12	SHAMINE	CAMA SAME	Allahark de	Tananas	Micros.		PRAIN HER	Sellato.	THE BANK HOPE	A Called	
Great West Steel																
Industries Ltd.	X	X	X	X	X							X			X	X
HMW Industries Limited	X	Х	Х		X	X				X	X	_X_	X	X	X	X
Hamilton Mixer Co. Ltd								 ·								X
Harding Industries Ltd	X	X														X
Hilkron Steel	X	X	X	X		· ,				X						X
Hodgson's Steel	X	X	X	X	X	X		 X		X	X	X	X	X	X	X
Honco Inc.	X	X	X			Х		X								
I.P. Constructors Ltd.												X	X			X
J.H. Lock & Sons Ltd.												X	X		X	X
J.K. Campbell &								 	· · ·							
Associates Limited	X											X			X	X
John T. Hepburn			<del>                                     </del>	-						<b> </b>			-			-
Limited	Χ.	X	X	X		`										X
Krupp Industries					-			 _		_			-	-		
(Canada) Ltd.	X	Х	X	X	X	X		 <u> </u>	<del> </del>	X	X	1	<del>                                     </del>		X	X

			1	Fabri	icate	d St	eel										
BUILDING STRUCTURES		8RIDGE	s		$\top$	TOWERS	3	-	PLATE	WORK							
TAME IN	Company to		The state of the s			S.	Car		Additional by the state of the	1188	*		O'GESTITE IS	4	Go. And Holy	A RANGE AND THE PROPERTY OF TH	
A. A	A Mag					Sustantia.	Capte State	A. 19	Par de	Tananii;	Microne		45 Kg	AR PRINTER	* 101	A DATE OF	
Leard Enterprises Inc.	X	X	X	X													X
Leblanc & Royle Communi																	
cation Towers Limited											Χ	X					X
Les Industries Super																	
Métal Inc.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Lord & Cié Limitée	X	X	X	X	Х	X	X	X	X	X	X	X				X	X
Lorlea Steels Limited	X	X	X	X													X
Maritime Steel and																	
Foundries Limited	X	X	X		X	X	X	X	X	X			X	X	X	<u> </u>	X
Marshall Steel Limited	X	X	X	X	X	X	X	X	X	X	X						X
Maxtower Company Limited											X	X					<u> </u>
McCrindle Steel																	
Industries Limited	Х	X	X	X	X	X							X			X	X
McNamara Industries	X	X	X	X	X	X				X	X	X	X	X	X	X	   
McNulty's Welding					ļ												
Limited		ļ	<u> </u>		-				-					X		<del> </del>	X

					118				<del></del> -	· · · · · · · · · · · · · · · · · · ·		estera					
			F	abri	cate	d St	eel —										
BUILDING STRUCTURES		BRIDGES	3			TOWERS	3		PLATE	WORK		$\bot$					
To the state of th	Control of the Contro		A A A A A A A A A A A A A A A A A A A			Sett	CARE		THOUGHE DE	Take	*		THE THE REPORT OF THE PARTY AND THE PARTY AN	905	Lin and Hoofe	tal Cantalla	
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Metal Fabricators &													·····			```	
Welding Ltd.														X			X
Métallurgie Pelchat Inc	. X	X	X		<del></del>												X
incomplete the second s						•											
Newman Structural Steel																	
Limited	X	X	X	X	X	X						X	X			X	X
Niagara Structural											·						
Steel(St. Catharines)						ļ	ļ								-		
Ltd.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Norak Steel Construction																	
Limited	X	X	X	X	X	X					X	X	X	X	X	X	X
Noront Steel Limited	Х	X	X	X		-							X	X	X	X	X
North York Steel					<b>-</b>												
Fabricators Limited	X	X	X	Х										<del>                                     </del>		X	X
Ocean Steel & Construc-													-		-		<u>                                     </u>
tion Ltd.	X	X	X	Х	Х	X			X	X	Х	X	X	X	X	X	X
Odussey Building		-											-	1	-		
Systems Inc.	Х	X	X	Х													X
Peel Steel (Northern).					-												
Limited	X	X	X	X						·	Х						

		· · · · ·			119					· 		٠.					
				Fabr	icat	ed S	teel										
BUILDING STRUCTURES		BRIDGE	S			TOWE	is		PLAT	EWORK							
	ALLEN COMPANY OF THE PROPERTY	THE THE PARTY OF T													8		
THE PARTY OF THE P	Commercial	A TARREST	Maried		de la	Suspen	Cage Si	No.	CHARLES .	A TANAN S	Micros are	- Care	SHE VE	Pensis	AND HOLY	Metal Factions	ign
Peerless Enterprises	X	X	X	X						-							
Prebilt Structures Ltd.	X	X	<i>X</i>	X					,	X							X
Precision Service & Engineering Ltd.	X	X	·										X	X	X	X	X
Pylonex Inc.					,						X						
Quality Fabricating & Supply Ltd.	X	X	X										Х				Х
R.B. Steel Fabricators Ltd.	X	X		X	X	X							X	X		X	X
Robertson Building Systems Ltd.	_X	X	X	. X													X
Rodrique Métal Ltée	Χ	X	X	X													X
Sidbec-Dosco Ltée				X													
Sométal Atlantic Lteé	X .	X	X	X	X	X	X	X	X	X			X	Х	X		X
Steel and Engine Pro- ducts Ltd.		7		,								_	X	X		Х	X
Steelweld (B.C.) Ltd.			<del></del>	 <del></del>					]			+	X	X	X	X	X

					120				·		<del></del>			<del></del>			
				Fabr	icate	ed St	eel										
BUILDING STRUCTURES		BRIDGE	3	***		TUWER	3		PLATE	WORK							
Take the second	Commercial States of the Commercial States of		THE REAL PROPERTY OF THE PARTY	The state of the s		Standard	CAMPSIN		AMMININE OF	- Transpired	M. Maria		o destre les	Pannie Contract of the Contrac	and the state of t	ARRIVED FABRICA	and the second s
Stelco Fabricators Ltd.	X			X									X	X	X	X	X
Structal Inc.	X	X	X	X													X
Structure C.Q.S. Inc.	X	X	X	X	X	X	X	X	Х	X			Х			X	X
Surrey Ironworks Ltd.	Х	X	X	X	X	Х	X	X	Х	Х	X	X				X	X
TIW Industries Ltd.	Х	X	X	X	X	X	X	X	X	X	Х	X	Х	X	Х	X	X
T.S. Metals Ltd.																	X
The Wind Turbine Com- pany of Canada Ltd.											X	X					
Tidy Welders Limited													X	X		X	X
Unimade Industries	X	X				X											X
Vic Metal Corporation	Х	X	X									•					X
Victoria Machinery Depot Co. Ltd.														X			X
Westeel-Rosco Limited	X	X	X	X	-					Х			Х			X	X
York Steel Construction Limited	X	X	X	X	X	X			X	X			X	X		X	X

	<del></del>				121												
				Fabr	icate	d Si	eel										
BUILDING STRUCTURES		BRIDGE	S			TOWER	s		PLAT	EWORK							
	Hadring State of Comments	ARTICLE STREET	The state of the s	The state of the s	The state of the s	SUMME	CAME SO		annanage by	Training.	History		Stateman Art.	Pensio	Gally and Holly	de la Carticola	
York Structural Steel																	
Ltd.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Zagerman & Co. Ltd.	X	X	X	X	X	X											
Zenith Steel Fabrica-																	
tors Ltd.	X	X	X		X	<u>X</u>	X	X	<u>X</u>	<u>X</u>	X			X	X	X	X
	-	<u> </u>															
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