

TS660
.C3

c. 1 aa

Canadian



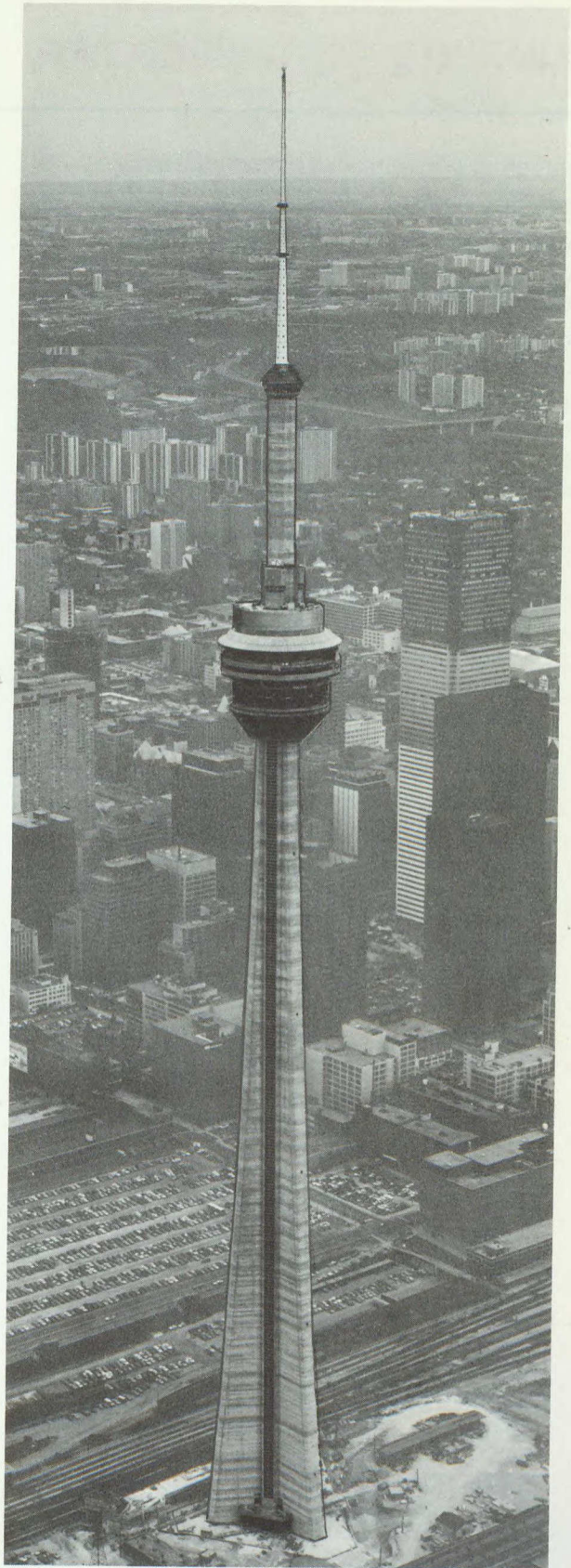
GALVANIZING

Canada. Dept. of Industry, Trade and Commerce. Resource
Industries and Construction Branch.

MANUAL AND DIRECTORY OF GALVANIZING IN CANADA



Toronto's CN Tower is the world's tallest free-standing, poured concrete structure. More than 100,000 square feet of galvanized steel decking was installed in various levels of the Sky Pod, while about 30,000 square feet of galvanized steel curtain wall forms part of the Pod's exterior composite curtain wall system.



CONTENTS

Preface	3
How Zinc Coatings Protect	4
Types of Zinc Coatings	5
Design Considerations for Hot Dip Galvanizing After Fabrication	6
Do's and Don'ts in the Use and Handling of Galvanized Steel	7
Directory of Galvanizers by Province, Equipment and Services	8
Classified Directory of Galvanizers' Services and Products	14
General Galvanizing	14
Proprietary Galvanized Products	15
Mill Galvanized Products	16

PREFACE

This publication was prepared by the Resource Industries and Construction Branch of the Department of Industry, Trade and Commerce in collaboration with Zinc Institute, Inc. Its purpose is to provide information about Canadian galvanizing facilities for existing and potential users of galvanized products such as architects, consultants, contractors and fabricators in Canada and abroad.

The information in the directory was provided by Zinc Institute, Inc. and through replies to questionnaires sent to known Canadian galvanizers. Every effort was made to contact all Canadian galvanizers; however, if any have been omitted, they are invited to submit data on their operations to be included in a revised edition.

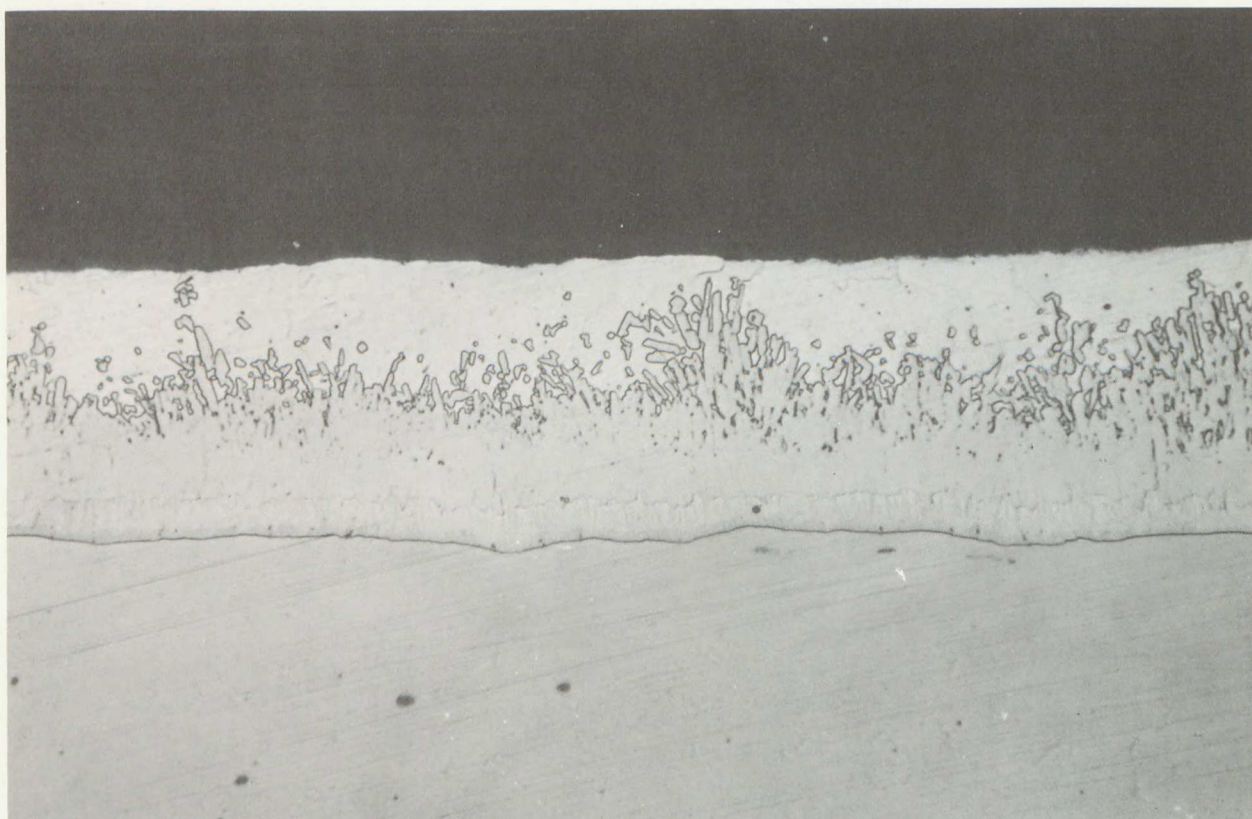
HOW ZINC COATINGS PROTECT

A metallic zinc coating protects steel in two ways: it acts as a barrier film to separate the steel from its environment and as a sacrificial anode to protect bare areas at cut edges, scratches, and gouges.

The life of a zinc coating depends on its thickness and on the type of atmosphere to which it is exposed. A zinc coating twice the thickness of another will last twice as long. The same coating in Saskatoon may last four times longer than in Ottawa. A commercial quality galvanized steel sheet (Grade G-90, coating thickness about 20 micrometres) will probably last from seven to nine years in rural Ontario before it begins to show rusting.

If scratches or bare spots in a zinc coating occur, the zinc protects steel by sacrificing itself. When two metals are connected in an electrolyte, they form a galvanic cell with the more active metal being the anode, the less active being the cathode. If the anode does not form an insoluble high-resistance oxide film (and zinc does not) it will sacrifice itself and generate electrical current to protect the cathode. Zinc is more active than steel and is the only readily available coating material that performs this sacrificial function economically.

These two factors, barrier film action and galvanic activity, enable zinc coatings to protect steel products.



Under a microscope, the structure of the iron-zinc alloy layers on galvanized steel can be seen. Life of the coating is proportional to total thickness.

TYPES OF ZINC COATINGS

Zinc coatings can be applied to steel in several ways. The most common, and the one with which this publication is primarily concerned, is hot dip galvanizing — dipping the steel into a bath of molten zinc.

Other methods for zinc coating include:

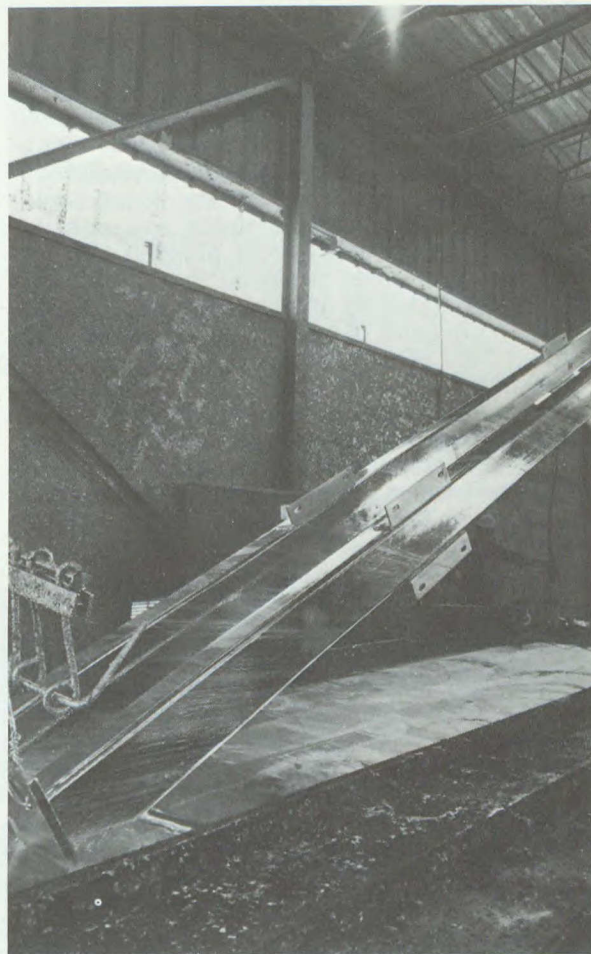
1. METALLIZING — spraying with atomized particles of zinc in an oxyacetylene flame.
2. ZINC-RICH PAINTING — the application of paints containing more than 90 per cent by volume of zinc dust, which gives the film many of the properties of a pure zinc coating.
3. ELECTROGALVANIZING — the application by electrodeposition of a layer of metallic zinc from a solution of zinc salts.
4. PEEN PLATING — hammering particles of zinc onto a prepared steel surface in the presence of a chemical promoter to produce a film of metallic zinc.

Hot dip galvanizing can be divided into two classes: continuous line galvanizing, used for sheet and wire, and galvanizing after fabrication, used for a wide variety of structural shapes and fabricated assemblies.

Continuous galvanizing of steel sheet takes place at a rate of up to about 160 metres per minute. Wire galvanizing is somewhat slower. The steel is thoroughly cleaned by any of several methods, preheated, and run through the molten zinc. Coating thickness on sheets is controlled by rolls or streams of hot air as the steel leaves the zinc bath. Coating thickness on wire is controlled by its speed through the bath, and by mechanical wiping of the freshly coated surface. Coating thickness can be produced from less than 10 micrometres to about 75 micrometres on continuous sheet galvanizing lines, and to about 40 micrometres on continuous wire galvanizing lines.

Electrogalvanized sheet is produced continuously in coil form. Coating thicknesses are considerably less than those on hot-dip galvanized sheet and range from less than 1 micrometre to more than 4 micrometres per side.

Structural steel, pipe, and fabricated steel articles are galvanized by a different process. In galvanizing after fabrication, articles are cleaned by pickling or sand blasting before they are fluxed and immersed in molten zinc, where they react chemically to form a coating of iron-zinc alloy and pure zinc. Such articles as nuts



Hollow structural steel sections are coated with a minimum of two ounces of zinc per square foot (610 g/sq. m) by hot-dip galvanizing.

and bolts, concrete reinforcing bars, steel castings, fin-and-tube refrigerator coils, gratings, I-beams, and welded steel assemblies are galvanized by this method.

In hot dip galvanizing, coating thickness depends on the steel composition, bath temperature and duration of immersion time. Canadian Standards Association specification G-164 calls for a minimum of 2 ounces of zinc per square foot of steel surface (610 grams/square metre) or a coating thickness of about 85 micrometres on structural steel more than 3/16-inch (4.7 mm) thick. After galvanizing, structural steel or fabricated steel articles may be water-quenched or air-cooled. Small parts, such as nuts and bolts, are often spun in centrifuges to remove excess zinc.

DESIGN CONSIDERATIONS FOR HOT DIP GALVANIZING AFTER FABRICATION

Galvanizing after fabrication involves cleaning or pickling in acid, and an immersion of the article in molten zinc at a temperature of more than 450 degrees Celsius. Certain design considerations are, therefore, necessary in obtaining the best possible coating.

Of all the factors to consider, none is more important than to eliminate closed sections of pipe or sealed cavities in any assembly. A pinhole in a weld will allow pickling solution to seep into cavities or closed sections and the steam generated by immersion in the zinc may reach a pressure of more than 26 megapascals (about 3800 PSI). Serious injury to a galvanizing crew can result from explosion if closed sections are not properly vented. If in doubt, one must ask the galvanizer about proper venting.

Following is a summary of the more common causes of inferior coatings, and the precautions that should be taken in design and fabrication.

1. **Size and Shape:** Before fabrication, ascertain that the galvanizer will be able to handle the completed article. Consult one whenever there is doubt about size and shape limits. Galvanizers can coat assemblies longer than the kettle length by double-dipping; first one half then the other is immersed.
2. **Pipe Assemblies:** These must be vented to the galvanizer's satisfaction. Paints and oils are difficult to remove before galvanizing and may increase the cost. It is better to purchase uncoated pipe.
3. **Drop Handles and Movable Parts:** Allow sufficient clearance to permit free movement after galvanizing. Generally, a clearance of 0.8 mm is sufficient.
4. **Threads:** A clearance on threads to allow for thickness of the coating is necessary. Bolts are generally galvanized after threading, without allowance for the thickness of the galvanizing. Nuts are galvanized as blanks, tapped 0.4 mm oversize and lightly oiled.
5. **Different Materials in Combination:** The use of old and new steel, or of cast and rolled steel in the same article, should be avoided when possible. Pickling times vary with such different materials, and over-pickling or uneven pickling will spoil uniformity and appearance of the coating.

6. **Venting and Draining:** Tanks, closed vessels and sealed cavities may require extra holes to allow gases to escape and the zinc to drain properly. Consult the galvanizer about size and position of the holes.

7. **Oil, Grease, Paint:** All oil, grease or paint must be completely removed before galvanizing. Normal pickling will not remove them.

8. **Labels and Markings:** Only water-soluble paint should be used for temporary markings. Where permanent identification is required, marking in punched or embossed letter is necessary. Embossed steel tags attached with steel wire can be used.

9. **Slag removal:** Slag from coated welding electrodes must be removed mechanically before galvanizing. Where permissible, welding should be done with an uncoated electrode in a gas shielded arc system.

10. **Castings:** The quality of galvanized castings largely depends on the design, surface finish, and preparation for galvanizing. Castings usually require special preparation such as grit blasting. The following points should also be noted:

- a) Use large fillet radii.
- b) Avoid deep, sharp corners.
- c) Use large pattern numbers.
- d) Blast-clean castings with machined surfaces before sending to the galvanizer for galvanizing.
- e) Seek uniform section thickness to minimize any tendency to fracture during galvanizing.

The temperature for galvanizing is at the lower end of the stress-relieving range for structural steel. Residual stresses from welding, forming, or hot-rolling tend to be relieved on immersion in the galvanizing bath. In symmetrical articles, where these stresses are uniformly distributed, little if any distortion would result. However, in non-symmetrical articles or articles in which residual stresses are not uniformly distributed, considerable distortion might result. Consult your galvanizer to evaluate the probability of distortion on any questionable item.

DO'S AND DON'TS IN THE USE AND HANDLING OF GALVANIZED STEEL

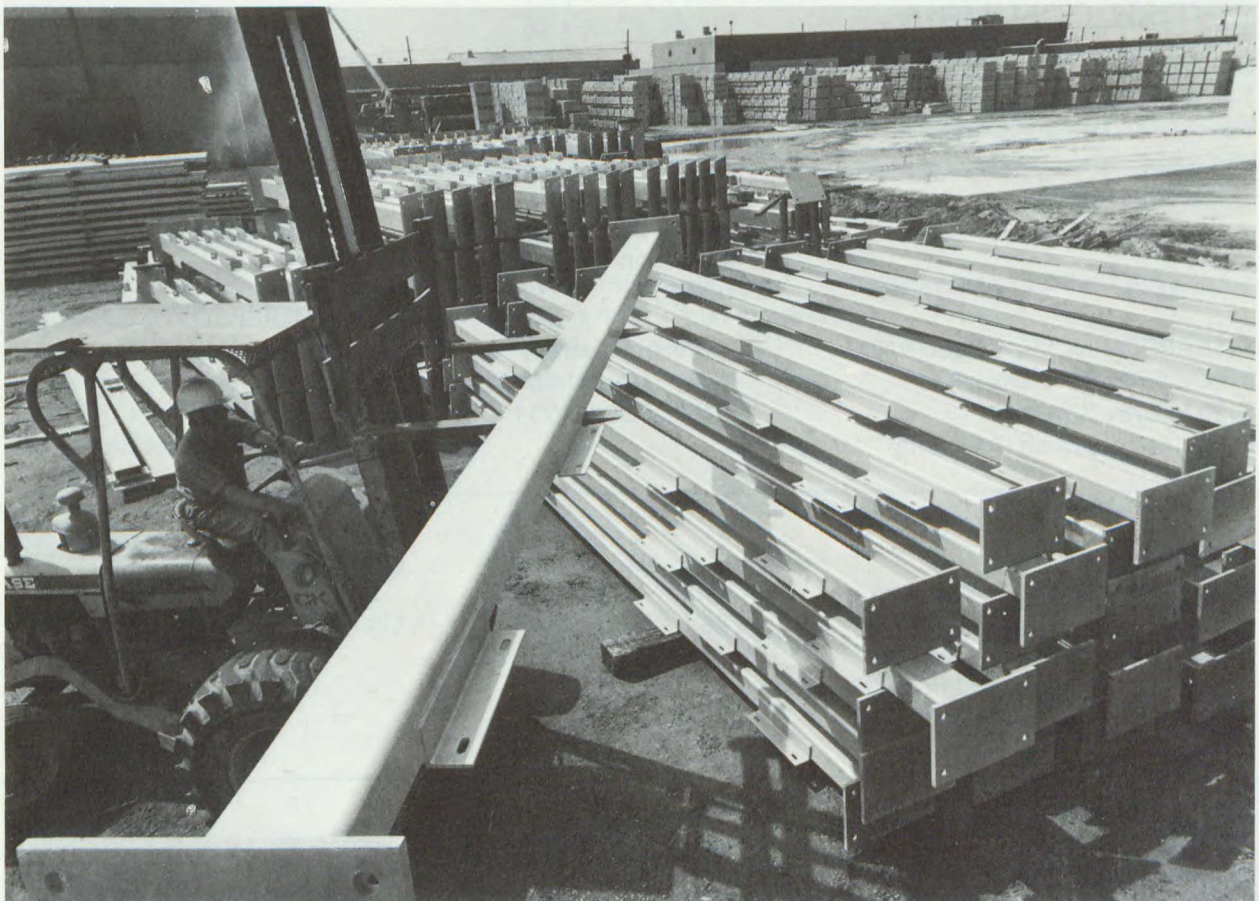
1. DO allow for free drainage of water from galvanized steel stored outdoors. Separate tight-fitting or nesting articles and slope stacks of flat or corrugated material to allow water to run off. Whenever practical, galvanized sheet should be stored indoors. DON'T stack galvanized sheets or nesting products outdoors where water can condense or collect between the sheets. Such stacking can cause wet storage staining — a white corrosion product — to form in a few days. Left unattended, this type of corrosion can eventually destroy the zinc coating.

2. DO use special primers or pre-treatments recommended for galvanized surfaces when painting galvanized steel. Follow the recommendations in Canadian Government Specifications Board Standard 85-GP-16. DON'T paint galvanized steel with ordinary paints used on steel or wood. DON'T wash the galvanized surface with vinegar or muriatic acid.

3. DO use galvanized bolts whenever possible for assembling galvanized structures. DON'T use unprotected, non-galvanized bolts for assembling galvanized structures. Rust from the bolt ends will cause unsightly staining of the galvanized article, although the staining will not contribute to accelerated deterioration of the coating.

4. DO touch up badly damaged galvanized surfaces with a metallizing gun or with zinc-rich paint. DON'T worry about small scratches, even though they appear to penetrate to the steel surface. The galvanic action of the zinc coating will protect the exposed steel cathodically.

5. DO specify the coating thickness required for a specific application. DON'T specify salt spray test or Preece test standards to assure quality. Thickness and adhesion of the zinc coating are the important factors in service life for a given design in a given environment.



Galvanized hollow structural steel sections being stacked for storage before shipping to the construction site.

DIRECTORY OF GALVANIZERS BY PROVINCE, EQUIPMENT AND SERVICES

Company and Address	Equipment	Services
ALBERTA		
DAAM GALVANIZING CO. LTD. 8409 - 50 Street Edmonton, Alberta T6B 1E7 Tel: (403) 466-6225	Galvanizing Kettles 9.44 x 1.01 x 2.00 metres (31' x 3'4" x 6'7") 3.05 x 0.76 x 1.14 metres (10' x 2'6" x 3'9") Centrifuge	Custom Galvanizing Blast Cleaning Metallizing Annealing
INDUSTRIAL GALVANIZING CO. LIMITED 8224 - 30th Street South East Calgary, Alberta T2C 1H8 Tel: (403) 279-7717	Galvanizing Kettle 6.70 x 1.17 x 1.52 metres (22' x 3'10" x 5') Centrifuge	Custom Galvanizing
BRITISH COLUMBIA		
CANRON LIMITED 145 West First Avenue Vancouver, British Columbia V5Y 1A2 Tel: (604) 874-2311	Galvanizing Kettles 3.66 x 0.97 x 1.22 metres (12' x 3'2" x 4') 7.32 x 1.12 x 1.37 metres (24' x 3'8" x 4'6") Plus 2.44 metres (8') neck extension Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products Steel Fabricating
INTERPROVINCIAL STEEL AND PIPE CORPORATION LTD. 3190 Murray Street Port Moody, British Columbia V3H 1X4 Tel: (604) 939-1131	Galvanizing Kettle 7.49 x 0.99 x 1.80 metres (24'7" x 3'3" x 5'11")	Custom Galvanizing of Round Shapes Captive Galvanizing of Mill Galvanized Products
TITAN STEEL & WIRE COMPANY LTD. 11041 Elevator Road North Surrey, British Columbia V3V 2R8 Tel: (604) 581-5441	Wire Galvanizing Line	Mill Galvanizing Products
MANITOBA		
DOMINION BRIDGE COMPANY LTD. P.O. Box 895 Winnipeg, Manitoba R3C 2T1 Tel: (204) 947-0111	Galvanizing Kettle 9.14 x 1.07 x 1.52 metres (30' x 3'6" x 5') Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products Painting and Finishing Engineering Services Blast Cleaning

DIRECTORY OF GALVANIZERS BY PROVINCE, EQUIPMENT AND SERVICES

Company and Address	Equipment	Services
MBE LTD. P.O. Box 578 Winnipeg, Manitoba R3C 2K2 Tel: (204) 774-5441	Galvanizing Kettle 6.10 x 1.12 x 1.37 metres (20' x 3'8" x 4'6") Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products Painting and Finishing Engineering Services
WESTEEL-ROSCO LTD. P.O. Box 792 Winnipeg, Manitoba R3C 2N5 Tel: (204) 233-7133	Galvanizing Kettle 4.27 x 1.07 x 1.07 metres (14' x 3'6" x 3'6")	Custom and Captive Galvanizing Proprietary Galvanized Products Steel Fabricating

NEWFOUNDLAND

UNITED NAIL AND FOUNDRY COMPANY LTD. P.O. Box 1555 St. John's, Newfoundland A1C 5P2 Tel: (709) 579-4006	Galvanizing Kettle 1.82 x 0.76 x 0.91 metres (6' x 2'6" x 3')	Custom and Captive Galvanizing Proprietary Galvanized Products Steel Fabricating
--	---	--

NOVA SCOTIA

ATLANTIC INDUSTRIES (N.B.) LTD. GALVANIZING DIVISION P.O. Box 297 Amherst, Nova Scotia B4H 3Z2 Tel: (902) 667-9441	Galvanizing Kettle 8.53 x 1.09 x 1.96 metres (28' x 3'7" x 6'5") Centrifuge	Custom and Captive Galvanizing
---	--	--------------------------------

ONTARIO

CANADIAN BRIDGE DIVISION HAWKER INDUSTRIES LIMITED P.O. Box 2157 Walkerville Postal Station Windsor, Ontario N8Y 4R8 Tel: (519) 256-2661	Galvanizing Kettles 9.30 x 1.30 x 1.68 metres (30'6" x 4'3" x 5'6") 8.23 x 1.30 x 1.68 metres (27' x 4'3" x 5'6")	Custom and Captive Galvanizing Proprietary Galvanized Products Painting and Finishing Steel Fabricating Engineering Services
CONTINUOUS COLOUR COAT LIMITED 1430 Martin Grove Road Rexdale, Ontario M9W 4Y1 Tel: (416) 743-7980	One Electro-galvanizing coil coating line capable of handling steel coils in up to 54" widths and .007" to .062" thicknesses	Mill Galvanized Products Electro-Galvanizing of Steel Coils

DIRECTORY OF GALVANIZERS BY PROVINCE, EQUIPMENT AND SERVICES

Company and Address	Equipment	Services
COURT GALVANIZING LIMITED 138 Dawson Road Guelph, Ontario N1H 6K5 Tel: (519) 824-0150	Galvanizing Kettles 7.62 x 1.52 x 1.98 metres (25' x 5' x 6'6") 5.48 x 0.91 x 2.74 metres (18' x 3' x 9') 3.66 x 0.91 x 1.52 metres (12' x 3' x 5') Centrifuge Chromate or phosphate	Custom Galvanizing Painting and Finishing Engineering Services
DOMINION FOUNDRIES AND STEEL LTD. P.O. Box 460 Hamilton, Ontario L8N 3J5 Tel: (416) 544-3761	Three continuous galvanizing lines	Mill Galvanized Products Sheet and Strip Prepainted Galvanized Products
FITTINGS LIMITED 135 Bruce Street Oshawa, Ontario L1H 1R1 Tel: (416) 723-3433	Galvanizing Kettle 2.74 x 0.76 x 1.07 metres (9' x 2'6" x 3'6")	Custom and Captive Galvanizing Proprietary Galvanized Products
G.S.W. METALWARES DIVISION 281 Birch Avenue Hamilton, Ontario L8L 7X6 Tel: (416) 529-8191	Galvanizing Kettles (3) 1.98 x 1.07 x 1.07 metres (6'6" x 3'6" x 3'6")	Custom and Captive Galvanizing Proprietary Galvanized Products
HOGARTH GALVANIZING LIMITED DIVISION OF PMT CO. 7470 Bren Road Mississauga, Ontario L4T 1H4 Tel: (416) 677-7491	Galvanizing Kettles 8.53 x 1.32 x 1.83 metres (28' x 52" x 6') 15.84 x 1.32 x 1.83 metres (52' x 52" x 6') 3.96 x 0.91 x 1.27 metres (13' x 36" x 50") Centrifuge nut retapping Chromate or phosphate	Custom Galvanizing
I-T-E INDUSTRIES LIMITED 2401 Dixie Road Mississauga, Ontario L4Y 2A3 Tel: (416) 279-1520	Galvanizing Kettle 3.05 x 0.76 x 0.56 metres (10' x 2'6" x 1'10") Centrifuge	Captive Galvanizing Proprietary Galvanized Products
ITT GRINNELL CO. OF CAN. LTD. THE ONTARIO MALLEABLE IRON DIVISION Front and Albany Streets Oshawa, Ontario L1H 7N3 Tel: (416) 723-4654	Galvanizing Kettle 4.88 x 0.91 x 1.45 metres (16' x 36" x 57")	Captive Galvanizing

DIRECTORY OF GALVANIZERS BY PROVINCE, EQUIPMENT AND SERVICES

Company and Address	Equipment	Services
JOHN WOOD COMPANY LIMITED 101 Hanson Street Toronto, Ontario M4C 1A2 Tel: (416) 698-9100	Galvanizing Kettle 3.66 x 1.27 x 0.91 metres (12' x 4'2" x 3')	Custom Galvanizing Steel Fabricating Proprietary Galvanized Products
LACAL INDUSTRIES LIMITED 56 Charles Street Newmarket, Ontario L3Y 3V9 Tel: (416) 895-5151	Galvanizing Kettles 6.40 x 1.22 x 1.52 metres (21' x 4' x 5') 4.88 x 1.22 x 1.52 metres (16' x 4' x 5') Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products Steel Fabricating
LUNDY STEEL LTD. 20 Queen Elizabeth Boulevard Toronto, Ontario M8Z 1L8 Tel: (416) 251-3121	Wire Galvanizing Line	Mill Galvanized Products
McGRAW-EDISON OF CANADA LIMITED Power Systems Division 3595 St. Clair Avenue East Scarborough, Ontario M1K 1M1 Tel: (416) 261-7111	Galvanizing Kettle 6.10 x 0.61 x 1.52 metres (20' x 2' x 5') Centrifuge	Captive Galvanizing Proprietary Galvanizing Products Steel Fabricating Engineering Services
PUMP DIVISION GSW LTD/LTÉE 599 Hill Street Fergus, Ontario N1M 2X1 Tel: (519) 843-3301	Galvanizing Kettle 6.10 x 0.91 x 1.83 metres (12' x 3' x 6') Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products Painting and Finishing
PURE METAL TINNING CO. LIMITED 369 Attwell Drive Rexdale, Ontario M9W 5C2 Tel: (416) 677-3352	Galvanizing Kettles 9.75 x 1.32 x 1.82 metres (32' x 4'4" x 6') 3.96 x 1.07 x 1.12 metres (13' x 3'6" x 3'8") 7.62 x 1.52 x 2.51 metres (25' x 5' x 8'3") Centrifuge	Custom Galvanizing
SIDBEC-DOSCO LTD. (Etobicoke Works) 1020 Martingrove Road Rexdale, Ontario M6W 4W2 Tel: (416) 247-2121	Galvanizing Kettle 6.55 x 1.52 x 1.54 metres (21'6" x 60" x 60¾") Centrifuge	Custom and Captive Galvanizing Mill Galvanized Products

DIRECTORY OF GALVANIZERS BY PROVINCE, EQUIPMENT AND SERVICES

Company and Address	Equipment	Services
SLATER PRODUCTS Division of Slater Steel Industries Ltd. P.O. Box 271, Station "A" Hamilton, Ontario L8N 3E7 Tel: (416) 528-8888	Galvanizing Kettles (2) 6.70 x 1.02 x 1.67 metres (22' x 3'4" x 5'6") Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products Painting and Finishing Steel Fabricating Engineering Services
THE STEEL COMPANY OF CANADA LTD. Stelco Tower Hamilton, Ontario L8N 3T1 Tel: (416) 528-2511	Three sheet galvanizing lines	Mill Galvanized Products
THE STEEL COMPANY OF CANADA LTD. Page-Hersey Works P.O. Box 490 Welland, Ontario L3B 5R2 Tel: (416) 734-4523	Galvanizing Kettle 7.62 x 1.52 x 1.83 metres (25' x 5' x 6')	Mill Galvanized Products
TORCAD LTD. 275 Norseman Street Toronto, Ontario M8Z 2R5 Tel: (416) 239-3928	Galvanizing Kettle 3.66 x 1.07 x 0.91 metres (12' x 3'6" x 3') Centrifuge Chromate or phosphate	Custom Galvanizing

QUEBEC

BOND METAL FINISHERS CO. LTD. 336 St. Patrick Street LaSalle, Quebec H8N 1V1 Tel: (514) 366-9700	Galvanizing Kettles 9.29 x 1.21 x 1.67 metres (30'6" x 4' x 5'6") 4.57 x 1.27 x 1.68 metres (15' x 4'2" x 5'6") Centrifuge Chromate or phosphate	Custom and Captive Galvanizing Proprietary Galvanized Products Metallizing and Sand Blasting Painting and Finishing Steel Fabricating Engineering Services
CORBEC CORPORATION 17 St. Joseph Street Lachine, Quebec H8S 2K9 Tel: (514) 483-1000	Galvanizing Kettle 12.3 x 1.5 x 1.8 metres (40'4" x 4'11" x 5'11") Centrifuge Chromate or phosphate	Custom Galvanizing Painting and Finishing Engineering Services Sand Blasting and Metallizing Stress Relieving

DIRECTORY OF GALVANIZERS BY PROVINCE, EQUIPMENT AND SERVICES

Company and Address	Equipment	Services
DYNAMIC INDUSTRIES INC. P.O. Box 1664 45 Dorchester Street South Quebec City, Quebec G1K 5Y1 Tel: (418) 524-5221	Galvanizing Kettle 12.80 x 1.22 x 1.68 metres (42' x 4' x 5'6") Centrifuge Chromate or phosphate	Custom and Captive Galvanizing Proprietary Galvanized Products Painting and Finishing Steel Fabricating Engineering Services
GALVAN METAL INC. 8405, le Creusot Avenue East St. Léonard, Quebec H1P 2A2 Tel: (514) 322-9120	Galvanizing Kettles 9.45 x 1.12 x 1.68 metres (31' x 3'8" x 5'6") 4.57 x 1.12 x 1.68 metres (15' x 3'8" x 5'6") Centrifuge Chromate or phosphate	Custom Galvanizing
LOCWELD & FORGE PRODUCTS (1961) LIMITED 50 Iberville Avenue Candiac, Quebec J5R 1J5 Tel: (514) 659-9661	Galvanizing Kettle 12.34 x 1.24 x 2.13 metres (40'6" x 4'1" x 7') Centrifuge Chromate or phosphate	Custom and Captive Galvanizing Proprietary Galvanized Products Steel Fabricating Engineering Services
SIDBEC-DOSCO LTD. (Montreal Works) P.O. Box 249 Montreal, Quebec H3C 2S6 Tel: (514) 352-7722	Galvanizing Kettles 7.92 x 1.22 x 1.98 metres (26' x 4' x 6'6") (pipe) 4.88 x 1.22 x 1.22 metres (16' x 4' x 4') (heavy wire) 3.05 x 0.51 x 0.86 metres (10' x 1'8" x 2'8") (fine wire) 3.65 x 0.61 x 1.07 metres (12' x 2' x 3'6") (fasteners) Centrifuge	Captive Galvanizing Proprietary Galvanized Products Mill Galvanized Products
THE STEEL COMPANY OF CANADA LTD. P.O. Box 460 Montreal, Quebec H3C 2T3 Tel: (514) 933-8686	Galvanizing Kettles 3.58 x 1.22 x 2.13 metres (11'9" x 4' x 7') 7.62 x 1.07 x 1.45 metres (25' x 3'6" x 4'9") Centrifuge	Custom and Captive Galvanizing Mill Galvanized Products
VIC METAL CORPORATION 707 Boulevard Industriel Victoriaville, Quebec G6P 6T2 Tel: (819) 758-0661	Centrifuge	Custom and Captive Galvanizing Proprietary Galvanized Products

CLASSIFIED DIRECTORY OF GALVANIZERS' SERVICES AND PRODUCTS

General Galvanizing	Structural Steel	Towers	Reinforcing Steel	Pipe (Straight)	Pipe Assemblies	Tanks	Pole Line Hardware	Light Poles	Highway Products	Castings	Fasteners	Wire Assemblies	Other Products	Captive Operations Only	Custom Galvanizing Only	Captive and Custom
ALBERTA																
Daam Galvanizing Co. Ltd., Edmonton	x	x	x	x	x	x	x	x	x	x	x	x			x	
Industrial Galvanizing Co. Ltd., Calgary	x	x	x	x	x	x	x	x	x	x	x	x			x	
BRITISH COLUMBIA																
Canron Ltd., Vancouver	x	x	x		x	x	x	x	x	x	x	x	1, 2			x
Interprovincial Steel & Pipe Corp. Ltd., Port Moody			x	x												x
MANITOBA																
Dominion Bridge Company Ltd., Winnipeg	x	x	x	x	x	x		x	x		x	x				x
MBE Ltd., Winnipeg	x	x	x	x	x	x	x	x	x	x	x					x
Westeel-Rosco Ltd., Winnipeg	x				x	x	x			x						x
NEWFOUNDLAND																
United Nail & Foundry Co. Ltd., St. John's	x									x	x	x	2, 3			x
NOVA SCOTIA																
Atlantic Industries (N.B.) Ltd., Amherst	x	x	x	x	x	x	x	x	x	x	x	x				x
ONTARIO																
Canadian Bridge Div., Hawker Industries, Windsor	x	x	x		x			x								
Court Galvanizing, Guelph	x	x	x	x	x	x	x	x	x	x	x	x	5		x	
GSW Metalwares Div., Hamilton																x
Fittings Ltd., Oshawa																x
Hogarth Galvanizing, (Div. of PMT Co.), Mississauga	x	x	x	x	x	x	x	x	x	x	x	x	1, 4		x	
ITE Industries Ltd., Mississauga	x									x	x					
Ontario Malleable Iron Div. (ITT), Oshawa										x					x	
John Wood Co. Ltd., Toronto						x	x			x						x
Lacal Industries Ltd., Newmarket	x		x	x	x	x	x	x	x	x	x					x
McGraw-Edison of Canada Ltd., Scarborough	x	x	x	x	x	x	x	x	x	x	x					x
Pump Div., GSW Ltd/Ltée, Fergus					x	x				x	x					x
Pure Metal Tinning Co. Ltd., Rexdale	x	x	x	x	x	x	x	x	x	x	x	x	1, 3 6, 7		x	
Sidbec-Dosco Ltd. (Etobicoke Works), Rexdale											x					x
Slater Products, Hamilton			x			x	x		x	x	x	x				x
Torcad Ltd., Toronto							x			x	x					x
QUEBEC																
Bond Metal Finishers Co. Ltd., LaSalle	x	x	x	x	x	x	x	x	x	x	x	x	8			x
Corbec Corporation, Montreal	x	x	x	x	x	x	x	x	x	x	x	x	1, 3		x	
Dynamic Industries Inc., Quebec	x	x	x	x	x	x	x	x	x	x	x					x
Galvan Metal Inc., St. Léonard	x	x	x	x	x	x	x	x	x	x	x				x	
Locweld & Forge Products Ltd., Candiac	x	x	x	x	x	x	x	x	x	x	x	x				x
Stelco, Montreal			x	x			x			x	x					x

Key to Other Products

- 1 Refrigeration Equipment
- 2 Marine Hardware

3 Holloware

4 Barn and Stable Equipment

5 Culvert Plates

6 Chain

7 Tunnel Liners

8 Chain Link Fence and Accessories

CLASSIFIED DIRECTORY OF GALVANIZERS' SERVICES AND PRODUCTS

Proprietary Galvanized Products

	Towers	Light Poles	Pole Line Hardware	Castings	Tanks	Fasteners	Wire Assemblies	Other Products
BRITISH COLUMBIA								
Canron Ltd., Vancouver	x		x					
MANITOBA								
Dominion Bridge Company Ltd., Winnipeg	x	x			x		x	
MBE Ltd., Winnipeg	x	x	x	x	x	x		
Westeel-Rosco Ltd., Winnipeg			x	x	x			
NEWFOUNDLAND								
United Nail & Foundry Co. Ltd., St. John's				x		x		1, 2
ONTARIO								
Canadian Bridge Div., Hawker Industries, Windsor		x						
GSW Metalwares Div., Hamilton								2
Fittings Ltd., Oshawa				x				
I-T-E Industries Ltd., Mississauga	x			x		x		
Lacal Industries Ltd., Newmarket		x	x	x	x	x		
Lundy Steel Ltd., Toronto								3
McGraw-Edison of Canada Ltd., Scarborough		x	x	x	x	x		
Pump Div., GSW Ltd/Ltée, Fergus				x	x			4
Sidbec-Dosco Ltd. (Etobicoke Works), Rexdale						x		
Slater Products, Hamilton			x					
QUEBEC								
Bond Metal Finishers Co. Ltd., LaSalle		x	x	x	x	x		3
Dynamic Industries Inc., Quebec	x	x	x	x	x	x		
Locweld & Forge Products Limited, Candiac	x	x	x					
Sidbec-Dosco Ltd. (Montreal Works), Montreal						x		
Stelco, Montreal			x	x		x		
Vic Metal Corporation, Victoriaville						x		

Key to Other Products

- 1 Marine Hardware
- 2 Hollowware
- 3 Fence Products
- 4 Barn and Stable Equipment

CLASSIFIED DIRECTORY OF GALVANIZERS' SERVICES AND PRODUCTS

Mill Galvanized Products	Sheet/Strip — Electro Galvanized	Sheet/Strip — Hot-dip Galvanized	Wire	Pipe
BRITISH COLUMBIA				
Interprovincial Steel & Pipe Corp Ltd., Port Moody				x
Titan Steel & Wire Company, North Surrey			x	
ONTARIO				
Continuous Colour Coat Ltd., Toronto	x			
Dominion Foundries & Steel Ltd., Hamilton		x		
Lundy Steel Ltd., Toronto			x	
Sidbec-Dosco Ltd. (Etobicoke Works), Rexdale			x	
Stelco, Welland				x
Stelco, Hamilton		x	x	
QUEBEC				
Sidbec-Dosco Ltd. (Montreal Works), Montreal			x	x
Stelco, Montreal			x	x

For further information, contact:
Resource Industries and Construction Branch
Department of Industry, Trade and Commerce
112 Kent Street
Ottawa, Canada
K1A 0H5

Published by the Department of Industry, Trade and
Commerce, Ottawa, Canada
Publié par le ministère de l'Industrie et du Commerce,
Ottawa, Canada

© Minister of Supply and Services Canada 1976
© Ministre des Approvisionnements et Services Canada 1976