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CANADIAN LOG HOME
AND
TIMBER FRAME DIRECTORY

Canada 

***CANADIAN LOG HOME
AND
TIMBER FRAME DIRECTORY***

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INTRODUCTION

Canadian Log Home and Timber Framers Directory

This Directory of Canadian Log Home Builders and Manufacturers and Timber Framers has been compiled to act as a reference document for individuals or companies wishing to source either Precut or Handhewn log homes or Timber Frame structures. Companies are listed alphabetically in the Precut, Handhewn or Timber Framers sections of the Directory. Additional companies are listed in the appendix by province of origin.

Canadians have a long history and tradition of building high quality homes made of logs and heavy timbers. From the early days of the pioneers to the present day homes built from logs and timbers have proven to be a popular and lasting means of comfortable, energy efficient and architecturally pleasing shelter. The natural beauty of wood is maintained and highlighted in log and timber structures. The tradition of living in log homes remains strong and is gaining in international awareness as demonstrated by the increasing number of offshore inquiries Canadian companies are receiving. Not as well known perhaps is the availability of Timber Framed homes for export but this is rapidly changing.

Glossary of Terms

A precut log home company can be defined as a firm which manufactures machine profiled tongue and groove milled logs to specific lengths and shapes. The profiled logs when combined with windows, doors, flooring, roofing and interior finishing materials form a "kit" which is shipped by container or truck to be assembled on the purchaser's foundation.

A Handhewn log home building company usually comprises an individual craftsman or group of craftsmen, who peel, cut and shape logs with chainsaws and other hand tools to produce specific lengths and shapes of logs, which are then notched and assembled in log wall form at the company's yard or worksite. Once the log building is completed, log wall courses are numbered, disassembled, transported, and re-erected by crane on the purchaser's foundation often in only a day or two. Handhewn log building companies almost always customize a log building, and some Precut companies offer this service, as well.

The term Timber Framing refers to the joining together of large dimension horizontal and vertical wood members to form a timber shell of a house. The timber members (principal posts) are joined using tie-beams or girders with a pinned mortise and tenon or a dovetail joint. To this heavy timber structure can be attached stress skin plywood insulated panels to fully enclose the exterior of the wooden home frame.

This Directory is used by Canadian Trade Posts abroad to respond to inquiries for information on the Precut and Handhewn log home and Timber Framing industries in Canada. It is updated from time to time as more company profiles become available and as new companies enter the marketplace. Many of the company profiles contained in the Directory first appeared in the Log Home Guide For Builders and Buyers published quarterly by the Mult Publishing Company Limited, 1 Pacific, Ste-Anne-de-Bellevue, Quebec, Canada H9X 1C5. The Log Home Guide continues to be a valuable source of information on log home construction techniques, practices and companies.

For more information on log home and timber frame construction in Canada please contact:

Murray Hardie
Wood Structures & Housing
Forest Products Directorate
Industry, Science and Technology Canada
235 Queen Street
Ottawa, Ontario, Canada
K1A 0H5

Tel: (613) 954-3037
Fax: (613) 952-4209

May 1991

CANADIAN PRE-CUT LOG HOME COMPANIES

CALEDON**CALEDON LOG HOMES****R.R. #3****CALEDON EAST, ONTARIO****L0N 1E0****TEL: (416) 857-2441****FAX: (416) 857-7366****RICHARD DAMME****PRESIDENT**

Caledon Log Homes is a division of a FEWO Canada Ltd. and produces pre-cut log packages from Eastern white cedar and eastern white pine.

All logs are cut from the heart of the tree and milled to a double tongue and groove "D-style", where the exteriors are rounded and the interior is planed flat with a V-groove to resemble horizontal panelling. Kiln dried logs are available upon request.

The cedar logs are meticulously hand-peeled and retain the natural curve of the tree on the outside. Widths range from 7½" to 9½". Lengths are up to 14'. Fine logs are milled to 5½" or 7½" widths with lengths of 16' or less.

Settling allowances are made at all windows, doors and the unions of interior partition walls with exterior log walls. Spikes secure the courses. They are placed every 3' to 4' in wall. The first course is lag bolted to the sub-floor.

The company claims that their log package is one of the easiest in the industry to assemble. The logs are cut to exact tolerances and pre-assembled at the manufacturing facility before being numbered and loaded for transportation to the homeowner's building site. There are no sealants or caulk between the courses. The butt and pass corners have a 1' overhang and are pre-notched to accept the butting log. A self-adhesive insulating foam is placed there as a weather seal. Where logs butt in the wall a rigid foam spline is inserted in a pre-cut groove. All openings are prepared at the factory as are key-way grooves to ensure ease of window and door installation. When required, inside corner posts are supplied by the factory.

To preserve log walls, a 3' overhang is maintained along the sides and the gable ends. Sikken's preservative is also applied to the surface of the wood.

Caledon markets primarily in the Province of Ontario and anticipates sales of 20 homes in 1988. Prospective buyers have a choice of 24 standard models; however, the company says that the majority of its packages are custom designs. Besides residential units the company has also constructed a log motel and log country club.

Most clients tend to purchase a turnkey home. The company also sells kits and logs only which have been pre-cut and notched.

Standard Package: Wall logs, windows, exterior doors, sub-flooring, roof, shingles, spikes, first floor joists, second floor joists, preservative, blueprints and on-site assistance for the buyer.

Options: Interior doors, finish floor, double roof, shakes, lag bolts, roof insulation, floor insulation, interior trim and porch materials.

CANALOG

CANALOG WOOD INDUSTRIES LTD.
740 INDUSTRIAL ROAD, NO. 1
CRANBROOK, BRITISH COLUMBIA
V1C 4C6
TEL: (604) 489-5200
FAX: (604) 489-3773
LARRY RANDALL
PRESIDENT
ARNE HEGG
EXPORT SALES MANAGER

Canalog Wood Industries is engaged in the engineering, production and global marketing of modular log building kits which are expressly designed for assembly by non-professional builders. The company has dealerships in Canada, the United States, Japan and Europe.

A company official stated that the "self-aligning, double interlocking corner detail" used by Canalog was actually invented by the Scandinavians around the year 1250 A.D. Some of the homes built in this fashion are still in use today after 700 years. Canalog has taken the profile of the logs fashioned by ancient Scandinavian builders and developed a way to duplicate it using precision log milling equipment. The Canalog system consists of standardized log modules which permit the construction of an unlimited number of log home variations, prefabricated gable and panel units for high or low pitched roofs, modular truss systems and adjustable posts, prefabricated lofts and/or upper storey floors, and self-adjusting doors and windows.

The company has a plan book with 24 standard designs available to customers for \$5. Custom plans are encouraged, however, and Canalog provides a "layout planner" (\$15 Canadian) which has a 1:50 scale (1/4" = 1') planning grid on which all modular building components can be arranged with infinite variety.

Once a plan is decided on and delivery of the log package is made, a Canalog representative comes on-site to provide building assistance as well as an explanatory video tape and printed instructions.

Canadian pine, Douglas fir, spruce and cedar are air or kiln dried according to the customer's preference. These logs are carefully selected for straightness, taper, number of knots and straightness of grain. Although a preservative is not applied at the manufacturing site, the company recommends Sikken's exterior wood finishes after the home is erected.

A settling allowance of 6 percent of the wall height above all openings is made. An expanding adhesive foam is used to seal log courses and corners. Walls are through-bolted from top to bottom. Canalog also builds turnkey log homes.

Standard Package: Wall logs, windows, exterior doors, roof, spikes, lag bolts, through-bolts, caulk, gasketing, log stairs and railings, log trusses, second floor joists, interior trim, exterior trim, porch materials, blueprints, concrete roof tiles, and on-site assistance for the buyer.

Options: Interior doors, sub-flooring, finish flooring, double roof, shingles, shakes, roof insulation, wall insulation, floor insulation, first floor joists, chinking, preservative and log partitions.

CANADIAN CEDAR LOG

**CANADIAN CEDAR LOG LTD.
3801-19TH STREET NORTH EAST
CALGARY, ALBERTA
TEL: (403) 540-4140
FAX: (403) 288-8982
BRIAN WEBB
PRESIDENT**

Canadian Cedar Log Ltd. was founded in 1952. It currently has four dealers and markets its product throughout most of Canada and the U.S., as well as overseas. The company president is James C. Sanden.

Cedar Log uses graded air dried cedar and pine manufactured into 4" x 8", double tongue and groove, D-style logs. A notch and stainless steel connector is used where the log courses butt in the wall and log walls are throughbolted. A 3/4" to 1 1/4" settling allowance is made throughout the house. The corners are saddle notched and sealed with gaskets and vertical rods. Preservative treatment is an option. Caulk is applied around windows and doors.

According to Cedar Log, their most popular model is the "Rancher". It is 1,900 sq. ft., one storey, with 4 bedrooms and 2 1/2 baths. The largest structure the company has built is 9,000 sq. ft. Kits range in price from \$5,000 to \$200,000.

Besides log homes, the company has built log churches, log office buildings, log stores and motels, log lodges and restaurants, government contract log buildings and conventional homes.

Each log home is first assembled in the company's yard, disassembled, then reassembled on the owner's foundation. The company claims to have built 5,000 homes since its beginning, including 120 in 1987. It hopes to build 160 in 1988.

Model approvals have been obtained from Canada Mortgage and Housing Corporation (CMHC).

The company has a plans book available for \$12.

Member: NALHC, NAHB, and Calgary Home Builders Association.

Standard Package: Wall logs, windows, interior and exterior doors, sub-flooring, finish floor, roof, shingles, shakes, spikes, through-bolts, roof insulation, interior and exterior trim, log partitions.

Options: Floor insulation, log trusses, preservative, solariums, pressure treated wood, foundations, kitchen cupboards and fireplaces.

CANEXPO RESOURCES INC.

**CANEXPO RESOURCES INC.
20 FRANCIS STREET
LINDSAY, ONTARIO
K9V 3R6
TEL: (705) 323-3694
FAX: (705) 323-3694**

Canexpo Resources Inc. was formed in 1990 as a manufacturer's agent, representing small Ontario companies, who produce profiled and jointed logs and cabin timbers from white pine and white cedar.

Configurations of these components range from standard sizes of eight feet to sixteen feet in length for both house and cabin structures. This material can be supplied in pre-cut, standard kit form, or to customer's plan. Architectural floor plans are also offered for basic structures. Component timbers are priced by the lineal foot. All material is air dried before milling.

The following profiles and joints are offered:

- a) Cedar 'D' shaped log, three sides milled, with tongue and groove, and natural profile hand peeled. Can be supplied for Butt and Pass or Saddlenotch construction. Butt and pass design has a mortice and tenon joint at butt. Dimensions are 6" nominal with only slight variation on thickness because of standard profile. Saddlenotch from same cedar material.
- b) White Pine Rectangular shape, milled all sides, with tongue and groove. Dimensions are nominal 6" by 12". Saddlenotch jointing system. All interiors are flat with slight chamfer.

CHISUM LOG HOMES LIMITED

CHISUM LOG HOMES LIMITED
BOX 299
WEYAKWIN, SASKATCHEWAN
S0J 1W0
TEL: (306) 663-5840

The Athabaskan. The Wapawekka. The Nistowiak. The names are part of the rich history of Saskatchewan's north country, the proud but harsh land where the Cree and the Chipewyan and, later the voyageur, plied the unspoiled waterways in the quest for fur, the majestic moose or the canoe full of the shimmering harvest of lakes. A land of mystique and of untold riches, which gave of its bounty stingily only to those who were strong enough to wrest it from her.

And from this tradition of strength and endurance comes Weyakwin "Mistic" Log Homes, manufacturer of precision-cut poplar logs for the creation of ruggedly beautiful homes and cabins.

"Mistic" (from the Cree word for wood) is an exclusive manufacturing system which offers two choices of log utilization for the construction of cottages or homes.

Mistic Log Homes offers a wide variety of floor plans and designs to meet the demands for change from the traditional housing structures.

When people think of log houses they picture quaint little log cabins set back in the woods or nestled by the shore. But Mistic Log Homes are far from being simple cottages, although give cottage designs are available. Mistic presently offers designs in the Chisum system as large as 1,800 square feet of gracious living (the Athabaskan) or 1,500 square feet (the Wapawekka). There is no limit to the size and design you can employ in constructing your own Mistic Log Home. Custom design or modification services are available on a fee basis.

Whether you are planning a secluded, get-away-from-it-all cabin or a large luxury home in the city, Mistic has a plan for you!

Mistic's 'Chisum System' was pioneered and refined to meet Canadian standards. Using smooth-finished, twin-tongued-and-grooved, end-notched, saddle-notched logs of exact lengths and in exact diameters, it employs construction methods similar to those used by the early pioneers.

The 'Octagon System' is a revolutionary concept. It employs a vertical construction method of octagonal logs "sandwiched" around insulation. Although this system has not yet been fully expanded for commercial application, it has already received approval for use in residential construction. Not a pre-cut system, it allows you the freedom of design.

Weyakwin Mistic Log Homes also take most of the heavy labour out of log house building and the manufacturing system eliminates the costly and time-consuming curing processes used in the past. The Chisum system allows the logs to cure in the very best environment possible, right in the wall where they will stay.

Walls can be built without framing devices. Close tolerance saddle-notching in the 'Chisum System', combined with the double tongue and grooving, holds every log in place. Semi-skilled labour can replace skilled labour, enabling contractors to complete many construction steps simultaneously, thereby lowering costs.

Five stages of construction are eliminated when laying up a log wall - framing, sheathing, insulating, exterior siding and drywalling. Homeowners can more easily construct segments of their own log home, if desired.

1867 CONFEDERATION

1867 CONFEDERATION LOG HOMES
R.R. 3, BOX 9
BOBCAYGEON, ONTARIO
K0M 1A0
TEL: (705) 738-4131
FAX: (705) 738-5283
JOHN KING
PRESIDENT

R.R. 1, P.O. BOX 132
LENOIR CITY, TN 37771
TEL: (615) 986-0021

Formed in 1978, 1867 Confederation Log Homes is one of Canada's leading manufacturers of log buildings. In recent years the company has expanded its marketing area to include the United States, Japan, Europe and the Caribbean.

The Confederation catalogue includes 28 models. Some feature a traditional look while some display the French-Canadian influence.

Headquartered in Canada, the company recently opened a United States operations centre in Lenoir City, TN, near Knoxville off I-75. The 2,000 sq. ft. U.S. office houses a staff of 15 who direct sales efforts. Eventually, the company says a manufacturing facility will be developed in the Knoxville area. In the meantime, all logs will be shipped from the factory in Bobcaygeon, Ontario.

1867 Confederation is internationally recognized and has 40 dealers. Because of the variety of designs available, its homes tend to blend with local architecture.

To ensure quality, all Confederation homes are prebuilt at the company's log yard, disassembled and numbered, transported to the owner's building site and reconstructed there. Shells range in price from \$15,000 to \$100,000. The most popular standard model is the "Cambridge" with 2,580 sq. ft. of living space, three bedrooms and two baths.

Logs are 6" x 12" white pine which have been air dried and treated with a preservative by Sikken's. These squared timbers are combined with dovetail corners to provide a modern house that will endure for a century. Tongue and groove construction offers deep contours and protection against heat loss. Courses, butt joints and corner notches are sealed using double seal gaskets.

Walls are stabilized by the use of 8" or 12" spikes and hardwood dowels. Spikes are countersunk to allow for settling. Length of roof overhang is 2' to 3' along with sides and gable ends.

1867 Confederation has built over 800 log homes since it began operations. Besides residences, it has constructed log office buildings, stores, lodges, restaurants and government contract buildings.

The plans book entitled "Classics of Log Homes" is available for \$10. There is also a video tape for \$50.

Standard Package: Wall logs, windows, exterior doors, sub-flooring, roof, double roof, shingles, spikes, lag bolts, through-bolts, caulk, gasketing, first floor joists, second floor joists, chinking materials, exterior trim, porch materials, blueprints and on-site assistance for the buyer.

Options: Interior doors, finish flooring, shakes, roof insulation, wall insulation, floor insulation, log stairs and railings, log trusses, interior trim, preservative and log partitions.

DOW & DUGGAN

DOW & DUGGAN LOG HOMES LTD.
HATCHET LAKE, R.R. 2
ARMIDALE
HALIFAX COUNTY, NOVA SCOTIA
B3L 4J2
TEL: (902) 852-2559
FAX: (902) 852-3100
STEPHEN DOW
PRESIDENT

Founded In 1984, Dow & Duggan Log Homes Ltd. is a pre-cut log home company which markets throughout Eastern Canada, the New England states, Japan and Europe.

Eastern white pine and west coast cedar logs are air dried and milled to a 6" x 8" D-style log rounded on the outside and planed flat on the inside with a V-grooved, and 8" x 6" log rounded inside and out, and a 3" x 6" double tongue and groove log for double wall. The logs are carefully graded for their physical appearance and soundness. They are treated with a preservative.

The logs are pre-drilled to accept lag screws with washers. Corners are butt and pass or notched. The butt joints are routed and SureSeal gasketing material is applied. This open cell gasketing is 3/4" x 3/4".

The lag bolts used to secure the walls are 6" to 8" long depending upon the size of the logs. The heads are countersunk to allow for a downward settling movement of the long walls. Joints are sealed with SureSeal gasketing. Corners are sealed with caulking and expandable urethane foam. Windows and doors have special frames which allow for settling. Roof overhang is 22" along the sides and 12" at the gables.

Dow & Duggan has CMHC approval for its double wall homes built with 3" x 6" double tongue and groove interlocking pine logs. There is a 4" air space between the logs which can be filled with insulation. Besides residences, the company has built log offices, government contract buildings, a golf clubhouse and a building for the Nova Scotia Department of Tourism.

A plans book is available showing 19 standard models. The company says that over 90 percent of its sales are custom designs. A custom design service is available at no extra charge to the customer.

Member: Atlantic Provinces Chamber of Commerce, Better Business Bureau and Independent Business Organization.

Standard Package: Windows, doors, sub-floor, lag bolts, roof, double roof, shingles, sealant materials, insulation, log partitions, exterior trim, ceiling joists, floor joists, caulking, preservative, blueprints, on-site assistance, log rafters, wall logs and porch materials.

Options: Finish floor, shakes, interior doors, interior trim, log stairs and log railings.

FOUR SEASONS

FOUR SEASONS LOG HOMES
PARRY SOUND INDUSTRIAL PARK
P.O. BOX 631
PARRY SOUND, ONTARIO
P2A 2Z1
TEL: (705) 342-5211
FAX: (705) 342-9529
L. PAGE ABBOTT
PRESIDENT

Founded in 1965, and a Division of TP Wood Products Limited since 1977, Four Seasons Log Homes markets kilndried, insulated, double-walled log homes around the world. The company uses state-of-the-art equipment in its log manufacturing process. Double 3" x 6" white pine logs are kilndried or alrdried to a 15 to 18 percent moisture content. The logs are milled with a double tongue and groove with an exterior drip-edge to shed water. All logs are supplied precut, notched and numbered for easy assembly. Detailed plans and a construction manual are included in the package.

Four Seasons' standard double log wall allows space for 3½" of insulation. This spacing can be easily increased to provide any amount of insulation desired. The standard double roof system provides an R40 insulated roof and a 6" ventilated airspace. The roof cavity can also be increased to provide higher levels of insulation. There is a vapour barrier between the double log walls which runs unbroken from the wall cavity into the roof cavity.

No nails or spikes are used in the interlocking structure. Vertical seams and all seams around windows and doors are insulated and sealed with caulking. Electrical conduits run inside the logs, eliminating the need to cut the vapour barrier between the log walls.

Double log exterior walls combined with solid log interior walls increase the thermal mass of the Four Seasons Log Home. High thermal mass combined with high insulation values results in energy efficient winter heating and summer cooling.

All materials from sub-flooring to shingles, doors and windows conform to the National Building Code and are approved by the CMHC for permanent buildings. Four Seasons says it has never encountered a rejection of its system by a building code official.

Four Seasons specialized in custom designed for its customers. In addition to deluxe homes, the company has built cottages, camps, offices, motel units, curling clubs, restaurants, marinas, craft shops and ski chalets. Size of structures has ranged from a few hundred square feet to 10,000 square feet. Four Seasons Log Homes has recently introduced a new double log wall system with a 21" profile. This new "Timberlog" package provides an R24 wall system for optimum energy efficiency.

Packages provided by Four Seasons Log Homes are:

1. The "HERITAGE" package is available in three variations ranging from a single exterior wall with a summer roof to a double wall, double roof system. All interior walls are log. Standard building materials can be deleted and purchased locally at the customer's option. Furnished materials include: Windows, doors, sub-floor, double roof, shingles, insulation, interior doors, interior trim, exterior trim, log partitions, ceiling joists, caulking, blueprints. Average "Heritage" package prices range from \$32 to \$47 per sq. ft.
2. The "PIONEER" package is available with either single or double perimeter walls. The "Pioneer" package allows greater flexibility in interior finishing. Interior partition walls are frame. This package does not include partition walls and ceiling covering, ceiling insulation or interior doors. Package prices range from \$24 per sq. ft. for single wall to \$40 per sq. ft.
3. The "TIMBERLOG" package is available in single or double 2" x 12" log walls. As with all Four Seasons Log Homes packages, all log materials are kiln dried for optimum performance. Specifications are similar to the Pioneer package with the exception of the log walls. Package prices range from \$21 to \$30 per sq. ft.

GRENVILLE LOG HOMES**GRENVILLE LOG HOMES****R.R. #2****BROCKVILLE, ONTARIO****K6V 5T2****TEL: (613) 926-2685****FAX: (613) 926-2291****KIRK EASTERBROOK****PRESIDENT**

Grenville Log Homes was founded in 1985. This Canadian manufacturer mills pine and white cedar for affordably priced log homes. It sold 17 packages since operation began and projects sales of about 20 homes in 1991.

The company currently markets its products throughout Quebec and Ontario. Buyers can purchase logs by the linear foot that have been notched and roofed or a precut log home package. Grenville provides bridge financing for customers and has a crew that will build one of its homes to any stage of completion required. If a client is providing his or her own construction services, one day of training is normally provided but the company is a ready reference if additional information is needed on the building site.

Finished logs are 6", 7", 8", 10" and 12" in diameter and range from 8' to 16' in length. The company offers a variety of log styles including a Swedish cope with a saddle notch, a dovetail log system with a chink channel, a D-log with a rounded exterior and planed interior with butt and pass corners, and log siding. The horizontal joints are flat interfaces sealed with two strips of butyl gasketing and latex chinking along the outside and inside edges. Butt joints are sealed by inserting a 1/4" thick wooden spline into a saw kerf and applying urethane foam. Urethane foam is also used to seal corner notches.

Walls are stabilized by the use of spikes spaced on 4' centers. Top logs are pre-drilled to accept these fasteners and the heads are countersunk 1/4" to avoid problems with spikes "hanging up" wall logs are settling occurs. Walls are allowed to settle naturally. Window and door openings have a 2" X 2" T-jamb inserted into a groove. Frames are attached to these so the units are permitted to float freely in the wall. Settling adjustments are also made at partition walls and vertical posts. An allowance of 1/4" per 6' of wall height is calculated.

Roof overhang is normally 18" along the sides and 2' minimum at the gables.

HOMESTEAD (ONTARIO)

HOMESTEAD LOGS LTD.
R.R. #6
MARKDALE, ONTARIO
N0C 1H0
TEL: (519) 986-4208
FAX: (519) 986-4208
J.D. HISEY
PRESIDENT

Founded in 1973, Homestead Logs Ltd. markets split round log homes to Eastern Canada, New England, the mid-Atlantic states and to Europe and Japan.

Red pine logs are finished to a 7" diameter with the center cored out. They are then kilndried and treated with zinc-naphthenate preservative. The logs are split, but the ends are left solid.

A conventional stud frame is erected, covered with asphalted fibreboard and wrapped completely with Tyvek, a water-proof product. The exterior half-logs are then nailed to the frame leaving solid log ends at the corners. The solid log ends can be of uniform length, random length or cut to a pattern at the customer's option. Tongue and groove joints are sealed with a combination of Norton butyl and urethane foam strips laid in the outer groove.

Corners are saddle notched with a 0.0625" allowance for the butyl strips.

The inside study face is covered with a 6 mil polyethylene vapour barrier before installing the logs on the inside of the walls. Normal finishing materials can be used where interior log walls are not desired.

Roof overhang is two feet at the sides and gable ends. Where logs butt, a sealant is used.

Homestead's construction methods meet all building codes. In Canada, the homes are CMHC approved for mortgage insurance. Kit prices range from \$8,000 to \$32,000.

A pamphlet entitled, "Your Log Home" is available at no charge. A plans book with 21 models is \$5.

The company's most popular standard model is the "Dunn" with 2,502 sq. ft. of living space and 4 bedrooms.

Standard Package: Wall logs, preservative, sealant materials, blueprints, spikes, exterior finish and on-site assistance.

Options: Windows, doors, sub-floor, finish floor, spikes, roof, double roof, shakes, shingles, insulation, log partitions, interior doors, exterior doors, interior and exterior trim, ceiling joists, floor joists, caulking log stairs, log rafters, log railing and porch materials.

HOUSE OF LOG

**HOUSE OF LOG
P.O. BOX 1539
UXBRIDGE, ONTARIO
L0C 1K0
TEL: (416) 985-8255
FAX: (416) 985-8255
FRANK VAN VEGHEL, JR.
PRESIDENT**

House of Log is a small, family owned company which produces pre-cut log packages for customers in Ontario and Quebec. The company was founded in 1981.

Ontario white pine is used exclusively by House of Log. The logs are air-dried and either sawn or milled into 6" x 8", 6" x 10" or 6" x 12" sizes. All timbers are center cut from the tree to reduce problems with twisting and checking. They are given a double tongue and groove which the company claims is "one of the deepest" in the industry.

The logs are flattened inside and out. There are two basic configurations: the wood-to-wood milled log with a butt and pass corner and the wood-to-wood dovetail.

To seal the joints between the log courses, two rows of 1/4" x 1/4" butyl tape are used in the tongues. Butt joints are sealed with a pressure-treated spline and rubber hypalon caulking. This caulking is also used in the corners. Walls are fixed in place with 12" galvanized spikes counter-sunk in walls and corners to permit settling. Alignment rods are also set into predrilled holes and strategic locations in the wall. A settling allowance of 3/8" per foot of wall height is maintained.

Cetol 1 preserving (Sikkens) is applied to the logs to give them protection from the elements. Roof overhang is 29" along the sides of the house and 24" at the gable ends.

The company sells log packages or will build a log home to any stage of completion. Logs only which have been milled to random lengths and notched are also available to clients. Kits range in price from \$19 per sq. ft. to \$26 per sq. ft. A finished, turnkey log home averages about \$70 per sq. ft. House of Log has sold about 45 log homes since opening its doors.

The company offers a custom design service. The most popular log size is the 6" x 10". A free pamphlet entitled "The Affordable Log Home" is available.

Standard Package: Wall logs, spikes caulk, gasketing, and predrilling for electrical wiring.

Options: Customized roof trusses, windows, interior doors, exterior doors, subflooring, finish floor, roof, double roof, shingles, shakes, roof insulation, floor insulation, log stairs and railings, first floor joists, second floor joists, interior and exterior trim, porch materials, preservative, blueprints, on-site assistance for the buyer and log partitions.

HUTLEY LOG HOMES LTD.

**HUTLEY LOG HOMES LTD.
BOX 2711
HUNTSVILLE, ONTARIO
POA 1K0
TEL: (705) 385-2362
FAX: (705) 385-2368
PETER HUTLEY
PRESIDENT**

Hutley Log Homes Ltd., owned by Peter Hutley, custom builds large diameter log houses. Hutley has experience constructing log houses, cottages, and commercial buildings.

Hutley carefully selects the logs used in his homes with several factors in mind. He has the capacity to handle logs up to 45 feet in length. White pine is the species of choice although other types of wood can be made available upon customer request. Logs are a minimum of 10" thick with top diameters ranging from 14" to 18". Butt diameters are usually 16" to 26". Trees must be sound and have minimal taper and straight grain.

After selections the logs are skidded out and shipped to the company's yard. The bark is hand peeled and the logs are sawn on two sides and hewn along the sides with an adze for a traditional look. All dovetail notches are cut and precision fitted by hand.

Hutley's homes are pre-assembled in the work yard, logs are numbered then disassembled and shipped to the owner's building site. A company crew re-erects the house on the waiting foundation and makes finish cuts for windows and doors.

Perma-Chink, a flexible acrylic chinking material is applied between the courses. Various colours of chinking are offered to customers, and fibreglass insulation is used to fill the gaps. All structures are completely adjusted for settlement of the walls.

Hutley Log Homes Ltd. will produce their product from the shell only stage to a complete building package.

Erection of a log shell can be handled anywhere in North America and supervisory assistance in other locations.

Hutley Log Homes Ltd. has been building handcrafted log structures since 1976 in Canada and in the U.S.A. The company offers a professional engineering and custom design service. Also Hutley will advise the owner or his builder on proper method for finishing.

Standard Package: Wall logs, adze finish, blocking, dowels, second floor main beams, floor joists cut and installed with precision joinery, window and door openings cut and splines installed to accommodate settlement.

Options: Windows, doors, subfloor, finished floor, roof, double roof, insulation, interior doors, interior and exterior trim and log partitions.

Brochures with suggested floor plans are available for \$8.00 Cdn.

JUSTUS

JUSTUS SOLID CEDAR HOMES
10800 DYKE ROAD
SURREY, BRITISH COLUMBIA
V3V 7P4
TEL: (604) 580-1191
FAX: (604) 580-1810
RUSS CAMERON
MANAGER
BOB LINDAL
PRESIDENT

P.O. BOX 24426
SEATTLE, WASHINGTON
98124
TEL: (206) 725-0900
TEL: (800) 221-6063
FAX: (206) 725-1615

Justus Log Homes were founded in 1955 by George Justus, a skilled craftsman from Europe who immigrated to the cedar-rich Pacific Northwest. His company stayed small until its acquisition by the Lynott family in 1970. Late in 1983, the company's manufacturing and marketing rights were acquired by Lindal Cedar Homes Inc. of Seattle and Vancouver. Bob Lindal is president of Justus today.

Justus has received much recognition for its quality. It won the "Best in the West" 1981 Gold Nugget award for its "Cascade" design from the Pacific Coast Builders - the same design placed first for "Best Interior Merchandising" at an NAHB national meeting in Las Vegas. The company actively markets to the U.S. and Canada, and to Japan, the Pacific Region, Australia and the Middle East. Justus' Tradewinds series are designed for tropical areas, and incorporate sophisticated convection ventilation which is claimed to eliminate the need for air conditioning even in these torrid areas. For cold climates, the company has the Arctic Plus series, which add solid insulation and siding or use a double wall system with insulation in between.

Walls are made of 4" x 8" kilndried double tongue and groove cedar, with interlocking corners and dovetail joints. All timbers are precision-cut and machined to zero tolerances.

According to Justus, kilndrying enables the company to use dovetail joints. Diagonal cuts wedge the log tight, providing a strong safeguard against shearing, racking and lateral pressure. A second diagonal jog (interface fit) supplies extra defense against the weather. Timbers do not penetrate through to the outside, resulting in excellent protection against air infiltration. Justus's homes have survived earthquakes and hurricanes.

Every wall, window and room has a working drawing which clearly indicates the placement of each timber which, in turn, is coded and cut to a precise fit. Finally, every timber is laid out in proper sequence, wall by wall. After measuring, the walls are wrapped, banded and marked with part numbers that are keyed to the working drawings. Then the materials are wrapped and packed for protection en route and on site.

Justus offers low line roofs, high line roofs and low fronts, or customers can request another type of roof they desire.

Almost every Justus log home is custom designed. Customers can elect to have decks, sun rooms, clerestory windows, walk-out basements, hot tubs, active solar energy, geothermal energy, and even gourmet kitchens. Customers can choose cathedral ceilings, open beam, dropped ceilings or a combination of effects. The company's design team can design the building wanted, and complete it with detailed heat loss calculations and building permit information. The design deposit is credited towards the price of the home.

The average price of a Justus log home (most customers purchase a complete kit) is \$45,000. The most popular is the award-winning "Cascade", with two bedrooms and 1,600 sq. ft. Justus sells almost 200 homes a year.

The company has built log condominiums, log restaurants, log churches, and office buildings. Among Justus' fan club are Kim Novak and Robert Blake, both proud owners of the solid cedar homes.

Building code approvals have come from BOCA, ICBO, SBCC and the FHA.

JUSTUS (CONT'D)

A 200 page plans book is available for \$10. A pamphlet introducing Justus is free and a publication entitled "Sunrooms" is available for \$1.

Member: NALHC.

Standard Package: Kilndried western red cedar timbers, interior stud walls, windows and screens, all exterior and interior doors with trim, weather-stripping and dead-bolt security locks, joists, rim joists, built-up girders, plywood under-flooring, cathedral ceilings, beams, decking, foam insulation, all moulding, trim and casing for stair assemblies, second-floor decks and balconies, including balusters and railings, nails, flashing, roof felt, caulking and injection foam.

Tradewind Package: 3" x 8" kilndried western red cedar timbers, interior stud walls, kilndried pressure-treated floors (joists, rim joists, plywood under-flooring), all windows and doors, covered exterior decks and landings, all moulding, trim and casing, including stairway assemblies, balusters and railings, decorative skirting, medium cedar shakes, nails, caulking.

Arctic Plus Package: Single or double walls with rafter system which holds 5" solid insulation, insulated windows and doors, garage doors (solid wood or insulated). Up to R-50 roofs and R-40 walls available.

Options: A wide variety available, including permanent wood foundations, decks, hot tubs, ceiling fans, skylights, greenhouse windows, cabinets, wiring, plumbing and lighting packages, appliances, finish flooring - hardwood, linoleum and carpeting, stain or wall finish.

KENOMEE

KENOMEE LOG HOMES LTD.
R.R. #1
ECONOMY, COLCHESTER COUNTY, NOVA SCOTIA
B0M 1J0
TEL: (902) 647-2080
FAX: (902) 647-2012
RUDOLF LOEFFLER
PRESIDENT

Kenomee Log Homes Ltd. began producing precut, fully engineered log buildings from quality Northern white cedar in January of 1982.

The company uses round cedar logs with a tongue and groove system cut into the top and bottom of the log. The company believes that the use of round logs in both the interior and exterior of the walls will provide customers with the "authentic" appeal appearance of old structures typical of pioneer settlements in North America.

The cedar milled by the company is air-dried. A new innovation for 1987 was a milling machine built in Europe to the specifications of Kenomee. Company president Rudi Loeffler feels there is no equal to the log system which this new manufacturing equipment can produce.

Tongue and groove logs range in size from 5" to 8" in diameter. Full round logs used for railings, fences, decorative landscaping, etc., range in size from 2½" to 8" in diameter.

"With the new tongue and groove system this machinery produces," says Loeffler, "Kenomee will be able to reduce its cost of caulking, chinking and gasket material".

Kenomee does not apply any preservatives to the logs. With cedar, it is not required to keep the logs from decaying, says Loeffler. But if a rich color is desired by the customer, Kenomee will recommend a quality stain.

The company offers a variety of standard plans to choose from and experienced architectural staff is on hand to help with custom designs. Loeffler, who has 25 years of experience in construction, believes that most any type of residential or commercial building plan can be adapted to logs.

Kenomee sells complete packages, shells or kits or logs only. Prices start at \$5,990 for a cottage. An information kit is available for \$5.

Standard Package: Wall logs, sub-floor, windows, doors, second floor joists and decking, roof beams, insulation and shingles.

Options: Finish floor, interior partitions, doors, trim and log partitions.

KLONDIKE CABINS LTD.**KLONDIKE CABINS LTD.****P.O. BOX 266****KILOMETER 2.2 HIGHWAY #4****WATSON LAKE, YUKON****Y0A 1C0****TEL: (403) 536-2616 (YUKON)****TEL: (604) 986-3217 (B.C.)****MICHAEL BASARAB****PRESIDENT****VANCOUVER ADDRESS****1707 COLEMAN STREET****NORTH VANCOUVER, BRITISH COLUMBIA****V7K 2V7****TEL: (604) 986-3217**

Klondike Cabins Ltd. was developed by Michael Basarab to create a unique log building system with a positive insulation seal between the logs to eliminate caulking. As well, the smooth planed and uniform log walls catch less dust, making it easier to keep the interior walls clean.

"The biggest problem with log buildings has been insulation," says Basarab. "Logs tend to move, expanding and contracting to temperature changes. The heat and cold causes caulking to crack, allowing air into the house. The system we use eliminates the need for caulking and chinking. It's permanent, too, whereas the old system required recaulking every five years or so."

Basarab arrived at his solution from personal experience. The triple seal system of insulation developed by Klondike Cabins Ltd. consists of two 5/8" ethafoam gaskets and a 1" x 2" wood spline set between the logs. This is a unique system of providing the best of building methods of insulating between the logs in existence today. The 5/8" ethafoam gaskets set in 1/2" grooves between the logs are squeezed together with 1/2" through bolts that run from the bottom log to the top log. These gaskets are under pressure at all times, eliminating any passage of air.

Years of field experience, design expertise, planning and engineer approved standards went into designing Klondike Cabins log building system. The plant, located at Watson Lake, Yukon, was designed, equipped, and built influenced by this "hands on" experience, resulting in a plant that can manufacture one average size log wall kit in a one 8 hour shift.

Klondike Cabins Kits are sold in 3 optional stages:

1. Log Wall Kit: Contains all exterior wall logs framed from floor to ceiling, including window and door jambs, through bolts, holes drilled for bolts and electrical outlets, and coded erection plans.
2. Lockup Kit: Contains all material for the exterior shell to the lockup stage, and includes the log wall kit, foundation walls above the concrete footings, subfloor, roof, all exterior windows and exterior doors. All components are coded and marked for easy assembly.
3. Turnkey Kit: Includes assembly labour, and is complete, ready to move in.

Klondike Cabins has also sold log kits for a rod & gun club, a church, a hockey arena, a cafe, and resort cabins. Anyone can build with logs but not everyone can make such a well designed, insulated log cabin.

LAURENTIEN

LAURENTIEN LOG HOMES LTD.
5636 ROUTE 117
VAL-MORIN, QUÉBEC
J0T 2R0
TEL: (514) 229-2933
FAX: (514) 229-5973
JAY L. ANDERSON
PRESIDENT

Founded in 1974, Laurentien Log Homes Ltd. offers log homes in the traditional Quebec steep-pitched roof style, as well as conventional styles such as Swiss, Ranch, Cape Code, and modern. The Company markets its homes to Eastern Canada, the Midwestern U.S., the New England, mid-Atlantic and Southeastern states, Europe and Japan.

Laurentien Log has its own log home development under way in Quebec, north of Montreal. Place Val-Morin now has a handful of log homes and offers visitors the opportunity to see varied construction styles first hand.

Recent accomplishments include a 2,000 sq. ft. home built in Israel, approximately 4,500 sq. ft. of buildings built on a secluded island in the Lower St. Lawrence River and 2 other island projects in Ontario. There will be a major expansion this year due to the increased demand in foreign markets such as Japan.

The Company uses Northern white pine milled to 6 1/4 x 6". The logs are Locking Triple Tongue and Groove with an expansion joint milled into the center. This joint reduces the tension in the log and helps to keep it from twisting or cracking.

Round or flat logs are available. The logs are milled so the top sets over the triple tongue on the bottom log. Two slanted grooves run from the outside tongues toward the center tongue causing all weight and pressure to create a squeezing action of one log on the other. The system is of Scandinavian origin and has been modified only minimally after 75 years of existence. A 1 1/2" x 1 1/2" groove is cut in each log where butts occur. This dado groove is packed with fiberglass insulation and caulked to eliminate infiltration of any kind.

Corners are all saddle notched with special tongue and grooving incorporated into the saddle notch which adds strength and tightness and eliminates air infiltration.

Holes are left for windows and doors, and customers place the units and shim the frame square and level. With Dado cuts in log ends to receive wall stiffeners and nailer pieces, the window frame effectively floats in its opening so as not to disrupt log settling.

The company says it is "completely flexible" regarding incorporation of solar and other systems into its designs. Laurentien Log offers a five-year written warranty. Some models meet the requirements of the CMHC, the FHA and the VA. A plans book with 25 models is available (\$6.00). A dealer package is available for \$10.

Basic Package: Log walls, second floor joists, main roof beams (purlins), porch posts, bands and rafters, where indicated. List of materials varies with each model.

Standard Package: All of the above plus cornice support and headers, all thermal pane casement windows, double doors, spikes, caulking, complete roof structures and sheathing.

Options: Double Insulated wall, log sliding, log partitions, round or square logs, custom design service, entrance and patio doors, preservative and stain.

LEGENDARY

LEGENDARY LOG HOMES, INC.
P.O. BOX 845
BOBCAYGEON, ONTARIO
K0M 1A0
TEL: (705) 738-5116
FAX: (705) 738-4923
LEONARD HEISE
PRESIDENT

Legendary Log Homes sells handpeeled Northern white cedar log home packages direct to the do-it-yourself or will custom build the home to completion. The company is getting to be known for its fancy cedar interior trims as well as exterior tongue and groove sidings. Legendary has introduced smaller cedar log saunas to the market and these are reportedly becoming popular.

The logs are milled to a 5 3/4" x 6" to 8". All logs are treated with a fungicide before shipping to prevent them from going black, according to the company. A single tongue and groove profile is cut on every log and a saw kerf is placed beside the tongue to help reduce interior checking.

Corners are double mortised and tenoned and a backer rod is used as a gasket between the log courses.

Kit prices start at \$25 per sq. ft. Finished homes range from \$45 to \$65 per sq. ft., depending upon the design. Legendary Log Homes is an authorized skkens dealer in the Kawartha Lakes region of Ontario.

The company markets its homes throughout North America and in Germany through a European distributor.

Recently, the company became the sole North American importer of the Ab Jabo Träproducenter cabins, a division of the Stora company in Sweden. Stora produces 10 different models of pine cabins ranging in size from 100 to 650 sq. ft.

Len Heise, president of Legendary Log Homes, Inc., says "Over the years, I saw a need for a product that would complement my company's log homes in various applications such as do-it-yourself guest cabins and overnight bunkhouses, sauna cabins, storage houses, children's playhouses and swimming pool change houses."

Cabins, complete from roof to floor joists, range in price from \$2,365 to \$10,917.50.

LOGG STRUCTURES

LOGG STRUCTURES LTD.
12294 104TH AVENUE
SURREY, BRITISH COLUMBIA
V3V 3H3
TEL: (604) 584-8408
FAX: (604) 584-2209
GREGG SHELDON
PRESIDENT

NORTHERN OFFICE
P.O. BOX 89
WONOWON, BRITISH COLUMBIA
V0C 2N0
TEL: (604) 772-3502
FAX: (604) 772-3502

The building of a Logg Structures home begins with the selection of the best design. The company offers many standard designs of various sizes and styles to choose from. An experienced staff of designers can customize any standard design to suit the individual's needs. Or, if the customer already has a design in mind, it can be modified to suit log building structural requirements. Using state of the art CADD design graphics, a quotation for any customized design can be quickly produced.

Logs are harvested exclusively from stands of old growth timber: Lodgepole Pine and White Spruce from the forests of Northeastern British Columbia, where winters are long, cold and dry. In this climate, trees grow to maturity quite slowly: the growth rings are very fine and close together, which produces an exceptionally straight and tight grain. The trees are winter fallen, when they are dry and free of sap or pitch.

Logs are selected on the basis of quality, diameter, and length. Each log is turned on special lathing equipment to achieve a uniform diameter, in sizes of 6", 7", 8" and up to 12". Specially designed finishing heads surface the logs with a unique, faceted texture that emulates a "hand-crafted" appearance. Immediately after each log is turned, an initial coating of a clear, linseed oil based preservative is applied to each log to protect it from mildew damage or potential discoloration due to sun and rain.

Customers can choose between "Swedish Cope" and double tongue and groove log profiles. In addition, Logg Structures offers both square and "D" style Timber profiles.

Every log is sent through a notching station, where it is trimmed to an exact length. Then the saddle notches for corners and intersecting walls are cut through the log, to the precise locations called for in the design. In addition, holes are drilled to accept the continuous, floor-to-ceiling bolts that are included as a standard feature in every Logg Structures home. These bolts are the most effective, proven system for fastening any log wall together, while providing a simple method for tightening the wall after any initial settlement. Finally, keyways for door and window openings are notched into the logs to allow for proper installation of doors and windows. An allowance of 1/2" to 3/4" per foot is provided for log settling.

At this stage, the logs are ready for packaging and shipment. But to guarantee that every log will fit easily and correctly, the entire house structure is pre-assembled from the ground up. Care is taken to verify that corner saddle notches fit snugly, that bolt holes are aligned, and that door and window openings are plumb and true. A final coat of linseed oil based preservative is applied at this time.

Once completed, the house is disassembled, packaged, and loaded for shipping. Each log is clearly labelled to indicate its precise location in the building.

Standard Package: Wall logs, posts, loft joists, roof purlins, 1/2" galvanized through bolts for all corners, windows, doors and intersecting walls, 3/3" x 1" Emseal asphalt-impregnated sealant, Key stock at all door and window splines, and assembly plans and instructions.

Options: Sill plates, floor joists, floor plywood, wall framing lumber, roof rafters, roof plywood, wood casement doors and windows, roof insulation, 2X6 SPF loft or balcony decking, 1X6 or 1X8 SPF T&G ceiling panelling, SPF or Cedar roof fascia, Birch or Oak hardwood flooring, gable siding, and stamped, engineered drawings for custom design.

Logg Structures' staff are ready at all times to discuss plans for construction of new homes and to establish shipping dates. Design and production facilities are geared for quick, efficient delivery of both standard and custom designs. Arrangements can be made for truckload shipments anywhere within North America, or containerized shipments to any overseas destination.

MAISONS D'AUTREFOIS DU QUÉBEC**MAISONS D'AUTREFOIS DU QUÉBEC INC.****5500 CHEMIN RENAUD, P.O. BOX 55****STE-AGATHE, QUÉBEC****J8C 3A1****TEL: (819) 326-6604 (HEAD OFFICE) TLX: 05-839608****TEL: (514) 397-9137 (MONTRÉAL) FAX: (819) 326-8173****GUY PICHE****PRESIDENT****DENIS PICHE****EXPORT MANAGER**

MAQ was started in 1972 after 10 years in restoration of authentic log houses.

Since then, they have become one of Canada's larger log home companies with over 94 percent of Quebec's pièce-sur-pièce log building market. The company builds about 110 structures each year, the factory can produce up to 5 houses a day.

So far, Maison d'Autrefols markets its homes to Canada, the new England, the southwest, the midwest and the mid-Atlantic states, the Middle East, the Caribbean (Guadeloupe), South America (Colombia) and Europe (Holland, Belgium, France and Switzerland).

The company uses eastern white pine logs primarily with cedar as an option. The timbers are air-dried for more than a year, then kiln-dried to acquire the lowest possible moisture content. The milled logs are then soaked in the company's exclusive preservative formulas and then treated with Sikken's Cetol/Rubol. These treatments are claimed to dramatically reduce problems with swelling, warping, shrinking and cracking. They also help to prevent rot and insect infestations. Pressure treated wood is also available.

To meet the building requirements of various countries, Maisons d'Autrefols has developed what it calls the "super-insulated wall" which consists of 3" x 10" tongue and groove logs lined with weatherstripping wall studding, insulation, a vapour barrier, vertical 2" x 6" studs and drop siding on the inside surface. The siding has the same look as the outside face of the logs. Special settling slots allow the logs to move without affecting the rest of the house.

Instead of the 3" x 10" size, customers may also elect to have 4" x 10" logs or 5" x 10" logs. The "super-insulated" wall with 3" logs has been awarded an R-value of 25.7.

The company's other building systems are much simpler and include 4" x 10" logs and 5" x 10" logs. Because wall timbers are tongue and groove with dovetail corners, the classic chinked look is available as an option.

Maisons d'Autrefols has twenty-one basic models, but extensions can be added and custom designs are current.

MAQ starts with a basic kit (the shell of the house) and can either add other construction elements or supply only the log wall system. The kit comes with complete building guide, complete plans and details of construction. Technicians are available for on site assistance.

The average price of a kit runs from \$9,000 to \$30,000 for basic models. The company's most popular model is the Traditional Quebec Style House. Thousands of units of this design have been sold to date. A five-year warranty is offered.

The company is deeply interested in exporting its building technology adapted to foreign countries and to different climatic conditions. Assistance is even offered to plan and set up new industrial plants for the production of log houses and to open up markets in Third World countries.

Homes by Maisons d'Autrefols are approved by the CMHC.
 Technical 46 page catalogue with plans and price list \$5 Can.
Member: Provincial Home Builders Association of Quebec.

MODEL LOG HOMES OF CANADA

**HIGHLAND HOMES LTD./
 MODEL LOG HOMES OF CANADA
 P.O. BOX 446 GANDER INDUSTRIAL PARK
 GANDER, NEWFOUNDLAND
 A1V 1W8
 TEL: (709) 651-3748
 FAX: (709) 256-7200
 WARREN STRONG
 PRESIDENT**

Model Log Homes of Canada has been building and selling log structures throughout the Maritime Provinces since 1984. The company has three dealers.

Model log produces three log profiles from spruce, red pine or white pine, the "D"-log with a rounded exterior and planed interior, a log with a rounded exterior and paneled interior, a log with a rounded interior and exterior and a log that has been flattened inside and outside with edges bevelled to produce the effect of horizontal siding. Timbers are winter cut only and air-dried at a 20% to 25% moisture content or kiln-dried to a 15% moisture content. The company does not treat its logs with a preservative but recommends applications of TWP or Sikken's wood finishes after the home has been erected.

Logs are milled to 6" x 6" and erected in the post-and-beam styles. The tops and bottoms are planed flat and there are two relief cuts to receive a foam compression gasket. The relief cuts prevent the gaskets from being completely crushed between the courses which limits its ability to recover, the company states. Vertical posts also have grooves to accept gasketing. As an additional seal, caulking is applied to all exterior joints. Corners are covered by 1" x 8" trim boards. Ten-inch spikes at 2' intervals secure the courses. Common nails are employed to toe nail the log ends into the vertical posts. Roof overhang along the sides and the gable ends ranges from 18" to 24".

Since opening its doors, Model Log has built 20 post-and-beam homes. It has received eligibilities for financing from the CMHC. The company has 23 standard models for customers to examine, however, a computer-aided design system speeds the production of custom plans. For larger, multiple units, Model Log says that it will build to turnkey.

On-site assistance for home buyers or their general contractors is included as a part of the package cost inside Newfoundland. An additional fee for the service is charged outside the province.

Besides residential housing, Model Log has built garages, a motel and a lodge. It will also bid on log home repair projects.

Standard Package: Precut logs, sub-flooring, caulk, log trusses, exterior trim, blueprints, windows, roof, spikes, gasketing, first floor joists, flashing, log siding, exterior doors, double roof, second floor joists, porch materials and pre-fab trusses.

Options: Wall insulation, log stairs and railings, shingles and roof insulation.

NORTH COUNTRY

NORTH COUNTRY LOG HOMES/BY DEVON MILLS LTD.
P.O. BOX 1180
CHAPLEAU, ONTARIO
P0M 1K0
TEL: (705) 864-1190
FAX: (705) 864-1190
RICHARD KORPELA
PRESIDENT

North Country Log Homes by Devon Mill Ltd. was founded in 1977, and markets its custom log homes across Canada and to the New England states. Actor Bruno Gerussi owns a North Country Log Home in Gibsons, B.C. A home was also built by René Brunell, the retired Minister of Northern Affairs and Natural Resources for Ontario.

The company uses Jack pine, white pine, eastern white cedar, red pine, and aspen in diameters of 8", 10", or 12" (10" is the most popular). They are milled with a rounded interior and exterior.

The logs receive a double tongue and groove. One or two strips of Emseal log sealant tape are applied to the tongues. Foam gaskets and Emseal tape are used at the saddle notch corners.

Where logs butt, a groove and spline system is used. Styrofoam blocks are inserted.

North Country treats logs with PQ-8 for short-term prevention of mold, mildew, and bluestain. The company recommends that Sikken's Cetol be applied after construction.

Electrical outlets and switches are generally installed in the exterior walls by mortising the logs to receive the boxes and running the wires through channels which can be bored in the logs or chiselled in areas which will later be covered by doors, windows, and other trim.

Settling spaces are left above frame partitions and over all doors and windows ($\frac{1}{4}$ " per log displaced). Lag bolts are countersunk to permit free movement of the walls. Through-bolts are an option.

The company says the log walls for a typical home can be installed in three days. The average price of a bare-bones, shell package is \$15,000. Most customers design their own homes. A new plans book is available for \$7.50 (\$9.50 U.S.) with sample floor plans, do-it-yourself information and a price guide.

North Country says that completed building costs compare favourably with conventional homes at about \$55 per sq. ft.

Standard Package: Wall logs, caulking, styrofoam blocks for butt joints, foam gaskets for saddle joints, butyl tape and blueprints.

Options: Sikken's finishes, windows, doors, skylights and sunrooms, roof and floor trusses, double sealant tape, and factory second 8" logs at 30 percent off.

ORIGINAL

ORIGINAL LOG CABINS LTD.
BOX 239
PINE RIVER, MANITOBA
R0L 1M0
TEL: (204) 263-5209/5214
FAX: (204) 263-5214
THEODORE (TED) ZARETSKY
PRESIDENT

Theodore Zaretsky's Original Log Cabins Ltd. was founded in 1977 and is based in Northern Manitoba. Today, the company markets its product to western and central Canada, United States, and Japan. The company has built log churches, restaurants, office buildings, lodges, homes, cottages, barns, workshops, and even doghouses.

Original Log Cabins had developed a variety of log sizes and profiles using double tongue and groove in pine, poplar, or spruce logs. They are as follows:

1. Flat on both sides - available in a 4" x 8", 6" x 8", or 8" x 7". This style log uses the butt & lap construction method.
2. Round on the exterior, flat interior - available in 6" x 8" or 8" x 7". This style also uses the butt & lap construction method.
3. Round on both sides - in diameters of 7", 8", 9", or 10". This style uses the saddle notch construction method.

All logs are air-dried but in the near future will be kiln-dried. Ethafoam rope is applied in each groove for protection against air, water, and dust. The company can apply chinking where required. Ten to 12" spiral spikes are used to secure the walls. These are countersunk to permit settling. A settling space of approximately 1" to 2" is allowed above all windows and doors. The use of threaded tie rods (thru-bolts) are also suggested.

Butt ends are sealed by inserting a spline into the joined, notched ends. Roof overhang is a minimum of two feet at the sides and four feet at the gable ends.

Most customers purchase shell kits, which only include logs. Original Log Cabins has a variety of plans available and offers drafting assistance to anyone wishing to customize.

The average price of a shell kit is \$18,000.00 Can., which includes those components listed below in the Standard Package. The freight rate is \$2.50 per loaded land mile. (Ocean freight charges differ).

Since opening its doors, the company has built over 350 structures which range in price from \$3,500 to \$40,000.00 Can. The most popular standard model is the "Chalet 1" with 1,232 sq. ft. of living space and three bedrooms. The average price per sq. ft. for an Original log home is \$55.00 without a foundation.

The company uses a preservative on its logs after construction using Sikken's, Behr, or Flood - CWF brand products.

A free brochure is available or a complete information package containing 14 floor plans, log package prices and other literature on Original Log Cabins Ltd., can be purchased for \$5.00.

Member: Manitoba Forest Products Association.

Standard Package: Wall logs, log partitions, second storey floor joists, purlins, ridgepole, trusses, vertical supports, gable ends, Ethafoam rope, and a complete construction manual.

Options: Windows, doors, subfloor, finish floor, spikes, roof, double roof, shakes or shingles, insulation, interior door, interior trim and log finishing products.

PAN-ABODE INTERNATIONAL LTD.

PAN-ABODE INTERNATIONAL LTD.
6311 GRAYBAR ROAD
RICHMOND, BRITISH COLUMBIA
V6W 1H3
TEL: (604) 270-7891
FAX: (604) 270-4419
YOSHIHISA IMAJO
CHAIRMAN
JOE CAPOZZI
PRESIDENT

OSAKA OFFICE

SANKI CORPORATION
DAIICHI BLDG. 2-3-9 TENJINABASHI
KITAKU, OSAKA, JAPAN 530
TEL: 06-352-2101
FAX: 06-352-8270

EASTERN CANADA OFFICE

P.O. BOX 250
STROUD, ONTARIO
L0L 2M0
TEL: (705) 436-3241
FAX: (705) 436-4255
WALTER DEAN
PRESIDENT

Pan-Abode International homes have been manufactured out of solid cedar for 38 years. The Pan-Abode system incorporates solid 3" x 6" or 4" x 6" cedar logs that are precision milled using state-of-the-art technology, including lasers and an optimizing trim saw. The logs are carefully inspected for quality. To provide for ease of construction each wall has a number and the logs are stamped with the corresponding number and notched so they go together to form hidden lock joints.

According to Pan-Abode, many customers can build their own homes even if they have little or no building experience. The company provides a comprehensive construction guide. The simplicity of the system and the completeness of the package (which includes the floor system, all walls, prehung doors and windows, and the roof system) makes it possible for three people to assemble materials in a package of 1,000 sq. ft. in approximately two weeks.

The new Energy Balance System has been designed and engineered to increase the already superior insulating qualities of cedar (unique cellular structure and thermal mass) where needed in extreme climates. The wall liner consists of the 3" log, 2" x 4" studs, 3½" fiberglass insulation, and 1" x 6" cedar log profile siding. Standard with all homes are prehung double-glazed wooden windows.

In the past three years Pan-Abode International Inc. has branched out into other areas of lumber manufacturing. In December of 1986 Pan-Abode moved into a new 5,000 sq. ft. display office building.

In January 1987, Pan-Abode released a new set of all color plans - 37 new designs updating Pan-Abode's standard traditional one storey and introducing low-price two storey homes.

Along with active dealers in Japan, Australia, U.S., West Germany, Switzerland, Austria, and throughout Canada, the company has built churches, motels, an Aerobic Center in Japan, a forest ranger look-out, and many commercial, residential, and vacation structures.

The catalogue which costs \$3 contains 34 standard plans of homes which may be purchased outright or modified to suit individual needs. Custom designs are also welcomed. The building specifications are to NBC requirements.

Standard Package: Wall logs, interior and exterior doors, interior and exterior trim, windows, subfloor, spikes, roof double roof, shingles, log partitions, floor joists, and blueprints.

Options: Long railings, double roof, shakes, insulation, porch materials, and on-site assistance.

PATRIOT

**PATRIOT LOG HOME LTD.
15 ROBERT STREET
P.O. BOX 399
ST. SAUVEUR DES MONTS, QUEBEC
JOR 1R6
TEL: (514) 227-4608
FAX: (514) 227-1461
FRANÇOIS BOISMENU
GENERAL MANAGER**

Patriot Log Home Ltd., in Quebec, Canada, builds in traditional Quebec styling with a "high technology" designed to meet building requirements anywhere.

The company's favourite wood is eastern white pine. Five log styles are used by Patriot. On style, the Patriot Log, was recently approved by the Ministry of Housing and the Quebec Consumer Protection Agency. In this case, the logs are manufactured pine pieces 6½" x 12" high. Using a dovetail notch corner, the logs are joined with a polyurethane rigid joint which gives it a thermal resistance of R-33.33.

The Patriot R-25 is for those seeking very high insulation standards. The Patriot log system is doubled by using an interior layer of 2" polystyrene insulation and covered inside with 1" x 12" contoured "pièce-sur-pièce" imitation.

Patriot also has a round log sawed on two sides with a double tongue and groove joining system. It may be 7" to 11" in diameter. Corners are butt and pass. Butyl tape sealant is used to make the building weathertight.

The Patriot Log Siding is made by using a high density synthetic insulation covered inside and out with a contoured pine board of 1" x 12" so that it has almost the perfect appearance of a log piece. This wall gives a thermal resistance of R-24.

The Artisan is a chinked log system. Pine logs are sawed on two sides which have a thickness of 8" with a height of 10" to 22". Parts are manufactured at the factory, erected on the building site and treated with one coat of stain. All joints are insulated, a metallic mesh is installed and a coat of stucco is applied between the logs as a finish inside and out.

The company will draft complete custom plans but a brochure with 29 sample floor plans is available.

QUALITY LOG HOMES

**QUALITY LOG HOMES
1655 TOWNLINE ROAD
ABBOTSFORD, BRITISH COLUMBIA
V2S 1M3
TEL: (604) 850-3655
FAX: (604) 850-5944
WALTER N. FROESE**

Quality Log Homes was founded by Walter Froese, a builder with nine years experience in the log home industry.

Quality Log Homes builds units which are custom designed to meet owner's requirements, residential or commercial, by the in-house staff and marketed to Western Canada, Western U.S.A., Japan, Korea and Europe.

Logs are milled to constant diameters of 10, 12 and 14 inches and then receive a double tongue and groove, plus saddle notching, and end notching for 2 inch by 2 inch splines (for door and window and openings) as required.

Logs can be chosen from any available species, including western red cedar, spruce, Douglas fir, yellow cedar, lodgepole pine, or white pine.

Emseal insulation (10 mm X 15 mm) is supplied for placement between the perimeter logs.

A clear sealer is applied to the faces of all logs.

A catalogue (price \$5.00) is available with plans which may be modified to suit customer's needs.

RIVERBEND

**RIVERBEND LOG HOMES
P.O. BOX 411
NACKAWIC, NEW BRUNSWICK
EOH 1P0
TEL: (506) 575-2255
FAX: (506) 575-2855
AUNDEN RAE
PRESIDENT
DON COREY
SALES MANAGER**

Riverbend Log Homes precision mills kiln dried eastern white pine and eastern white cedar logs for pre-cut packages. The company sells throughout the Maritime Provinces, the Northeastern U.S. and the Atlantic states. It has also exported homes and cottages to England.

The basic profile is a "D"-style log with a rounded exterior and a planed interior with bevelled edges. All logs have a drip lip to guide water away from the joint and a double tongue and groove. Logs are a uniform 5-5/8" thick. Cedar logs are 5 1/2" high and pine logs are 7 1/2" high. They are milled to a 1/16" tolerance to guarantee tight joinery. Logs are kiln dried to a moisture content of between 20% and 25%.

Corners are mortise and tenon. Butt joints are pre-grooved to accept a 3/4" x 1 1/4" wooden spline.

The wall system is secured with lag bolts. These are inserted in pre-drilled pilot holes and the heads are then countersunk to prevent problems with settling of the wall. The wall system is sealed by placing a strip of PVC foam tape atop each of the tongues. Another PVC foam strip is applied inside the mortise and tenon corner union.

Windows and doors are adjusted for 1" of settling by attaching them to a special factory supplied buck that permits the frames to float.

Past projects range from small chalets to 3,500 sq. ft. year around homes. Riverbend has also constructed a golf club house, restaurants, motel units, rental cottages and a bed and breakfast inn.

SUN CRAFT

SUN CRAFT LOG HOMES, INC.
BOX 1113
DIDSBURY, ALBERTA
TOM OWO
TEL: (403) 335-2361
BILL MCLACHLAN AND PADDY MUNRO
PROPRIETORS

Sun Craft Log Homes is a new company founded by two professional contractors, Bill McLachlan and Paddy Munro, who developed a keen interest in milled log construction over the years.

Munro built a home of milled logs for a client in 1987 and was so impressed with the final product that he decided to go into partnership with McLachlan and purchase a spindle lathe. The company furnishes a Swedish cope style log for its customers in diameters ranging from 6" to 12" although the 9" and 10" sizes are most often selected by customers. All of the lodgepole pine or spruce logs selected are fire killed or air-dried content. Logs are milled from the heart of the tree and are given a lateral curing kerf to control checking.

The two men, who were both experienced in the carpentry trade, examined various log wall systems extensively before arriving at their final product. The logs have a smooth surface and tightly milled saddle notch corner. Both the corners and the joints between the logs are sealed with strips of EmSeal, asphalt impregnated gasketing. Spikes are spaced 2' to 4' apart in the walls. These are set into pre-drilled holes and the heads are countersunk to prevent logs from "hanging-up" as the walls settle. To avoid exposed vertical joints in a wall, log butts are concealed beneath intersecting saddle notch corner blocks. These can be log interior partition walls or simply short corner blocks.

Provisions are made throughout the house for settling of the walls. A key-way and spline system is used for window and door frames which allows these units to "float" in the wall. Vertical posts have screwjack assemblies. Chimneys, fireplaces, interior frame partitions, electrical entrance stacks, plumbing stacks, drains, stairs, etc. are all constructed with settling in mind.

The company distributes in western Canada and the northwestern U.S. It has shipped one home to Japan. It has three dealers. While Sun Craft does not treat logs with a preservative, Sikksens wood finishes are recommended to customers for long term maintenance.

The company can provide a construction crew for package assembly or will assist the owners and his/her contractor. All work is by custom design.

Standard Package: Pre-cut logs, on-site assistance for the buyer, spikes, gasketing and flashing.

Options: Log gables, shakes, sub-flooring, caulk, through-bolts, wall insulation, log trusses, interior and exterior trim, blueprints, log rafters, random length logs, windows, interior doors, roof, log stairs and railings, first floor joists, preservative, log partitions, skylights, log siding, exterior doors, shingles, double-roof, log-bolts, roof insulation, chinking, second floor joists, log dormers, porch materials and prefab trusses.

TRUE-CRAFT

**TRUE-CRAFT LOG STRUCTURES LTD.
25352 LOUGHEED HWY., BOX 129
WHONNOCK, BRITISH COLUMBIA
V0M 1S0
TEL: (604) 462-8833
FAX: (604) 462-9613
GORD HART
PRESIDENT**

True-Craft Log Structures, Ltd., has to date produced more than 1,200 log homes for customers since opening its doors in 1972. It builds exclusively with western red cedar. True-Craft markets its products across Canada and overseas to Germany, the United Kingdom, Japan and Korea. In 1989, company officials say they will be opening new markets in the United States and Taiwan.

Logs are air-dried and, upon customer request, may be treated with a fire-retardant chemical. Then, they are run through a mill and given one of three different log configurations: the "D"-style with a rounded exterior or flattened inside and outside. All logs have a double tongue-and-groove. They are 5½" high and 6", 7" or 8" thick. Outbuildings may be at 4" thick.

Log wall are through-bolted and the courses are sealed using 1/4 x 3/8 Ethafoam gasketing along the outside of the first groove. Butt joints are also sealed using these gaskets. A settling space of 1½" is made above all doors and windows. As the log wall settles, the threaded bolts can be tightened.

Length of roof overhang is 2' along the sides and at the gables. Corners are post and beam or saddle notched. Corners are sealed with gasketing and vertical rods.

After the house is up, the company recommends that homeowners treat the logs with an oil based preservative by Cloverdale Paints, Ltd.

The average price per sq. ft. of a True-Craft log home ranges from \$18 to \$32 (Canadian). The most popular standard model in North America is the "Woodsman" with 1,289 sq. ft. of living area, a loft and two bedrooms. In the off-shore markets, buyers tend to purchase homes of a smaller size. Besides shell kits, the company will also sell logs only which are pre-cut and notched.

Standard Package: Wall logs, pre-cut and coded, corner and wall posts, steel rods, anchors, gaskets, hardware fittings, plates, floor joists, 3/4" T&G plywood subfloor, bridging, windows, exterior doors, roof rafters, asphalt shingles, cedar decking (or rough sawn beams, posts, joists, sheathing, cedar siding for ceilings and cedar shingles), loft flooring, staircase, partition walls, interior doors with frames and hardware, insulation for gables, roof and floor, porch deck and balcony, trim, fasteners, hardware, nails, fascia boards and blueprints.

Options: Materials below main floor joists, posts, beams, mud sill plates, framing lumber, sheathing, siding, insulation, windows and doors, wood frame sliding doors, extra windows and doors, shutters, cedar shakes or metal roofing, dormers, skylights, log partitions and log gables, solid cedar doors for interior and wider porch and roof overhang.

TRUE NORTH

TRUE NORTH LOG HOMES, INC.
P.O. BOX 2169, WINHARA ROAD
BRACEBRIDGE, ONTARIO
POB 1C0
TEL: (705) 687-8455
FAX: (705) 645-4256
ROBERT WRIGHTMAN
PRESIDENT

True North Log Homes has developed a sophisticated and carefully engineered log wall system which chairman of the board Ronald Wrightman states, "... eliminates air leakage and heat transfer in the corner assemblies." The company has numerous patents pending in the United States and Canada on the unique spline system which is trademarked as the Key-Lock Air Seal Corner.

True North was founded in 1987. According to Wrightman, this is one of the few companies that uses full-sized logs. "When we say it is an 8" log, it is a full 8" in diameter."

Logs are winter cut from stands of northern white pine in northern Ontario and Quebec. After logs arrive at the plant, they are planed and the surface is flood coated with a preservative (phenyl mercury oleate) which controls fungus and mildew growth, waterproofs and helps to keep logs clean. Log ends are then sealed and the timbers are allowed to slowly air-dry to an 18% to 20% moisture content. Logs have 8 inspections before they go to the building site and they are wrapped for shipment to offer maximum protection.

True North offers customers a dovetail corner system with full wood-to-wood joinery. Only a week's worth of logs are milled at any one time. The equipment designed for the milling process is extremely accurate. It can mill a log to 5/1000" thickness and height with a tolerance of only 1/32" per 96' of wall. Logs come in the following sizes: 6" x 12", 8" x 12", 10" x 12" and 12" x 12". They are given a 3/4" high double tongue and groove.

One unique aspect of the patented tongue and groove is the stair-stepped caulking channel along each tongue's outside edge which accepts a bead of patented adhesive caulk made specifically for True North. Along the center of the timbers, there is also a routed channel for the 1/2" square asphalt impregnated foam gasket. This planed groove allows exactly 50% compression of the gasket to provide optimum performance. "There has to be some kind of waterproof gasket between the logs and there needs to be two air-locks between gaskets to reduce any problems with condensation from atmospheric conditions," Wrightman believes.

There are three patents on the butt spline system used to join logs end to end. Two wooden panels of cross-grain pine are specially milled so that when they are placed together they resemble a figure 8. Grooves from the spline are counterbored into the log underneath it in the wall. After the splines are placed back-to-back, two 10" spikes are driven in to spread them apart. Two strips of asphalt impregnated foam are placed into longitudinal grooves to form a weather seal.

"The common fault in log corners is that vertical interfaces permit air to transmit from inside to outside," says Wrightman. "We are the only manufacturer of which I am aware that has a lifetime limited warranty on butt joints and corners of air-infiltration." The Key-Lock Air Seal spline is a dowel which has been shaped roughly like a figure 8. It fits into a corner groove, locking logs together and forming a weather seal.

On walls where there is no roof load, through bolts are employed that run from foundation to upper plate. Each of these has a spring with 1,140 lb. compression mounted at the top. This helps to keep tension on the logs as they shrink.

Settling allowances are made throughout the home. A total of 1" settlement is expected over the lifetime of the building in a standard sized wall. High carbon steel T-bar is inlaid in all door and window openings.

TRUE NORTH (CONT'D)

Windows and doors are custom made with trim to cover the setting spaces and they are wide enough to fit the thickness of the log employed in the wall. Settling adjustments are also made where partition walls intersect with log walls. Wrightman says, "The public does not put up our buildings. We either build the base package, install the logs only or supply a supervisor to the customer's builder who brings all of the specialized tools necessary."

A full wall system includes Wolmanized plates and flashing, windows and doors, a second floor system (if applicable) pre-engineered trusses, roof sheathing and log gable end material. Wrightman claims this works out to \$23.32 per sq. ft. on a standard 2,464 sq. ft., two-story home or \$26.45 for the erected shell.

CANADIAN HANDHEWN LOG HOME COMPANIES

ARTISAN

ARTISAN CUSTOM LOG CONSTRUCTION
10588 SHAW ROAD
R.R. #2
MISSION, BRITISH COLUMBIA
V2V 4H9
TEL: (604) 826-0141
FAX: (604) 826-0606
ROB LITTLE
PRESIDENT

An artisan is a skilled craftsman, and true to its name, our company is proud to produce authentic, hand-crafted log homes and buildings. In keeping with our Canadian heritage, we have combined the building techniques of our forefathers with the modern technologies of today. Each structure built by Artisan is a lasting monument of strength and durability.

We believe that each log home should be as individual as its' owners, and so we encourage personal involvement in all stages of planning. Custom design and construction are done on a regular basis. We also offer a number of popular stock plans, which can be easily modified to suit the needs and desires of the purchasers.

Our building logs come from the dry-belt plateau of central British Columbia, and are cut in the winter season. This slow-growth Canadian timber is ideal for log construction. Englemann spruce is our preferred species, but custom orders for other types of wood are also accepted. We use large logs to ensure good insulating quality and energy efficiency as well as superior strength. Every log is individually handscribed to the one beneath it, using a combination round notch/saddle notch.

History: Artisan has been actively involved in the construction of hand-crafted log homes and buildings for the past 15 years. With slow but steady growth, quality control has been maintained. Our major markets are Japan and southwestern British Columbia.

Qualifications: Rob Little, owner/operator, is an instructor in log construction for Fraser Valley College, Abbotsford, B.C. Artisan is a member of the Better Business Bureau.

Log Work Package: Includes log walls with window and door openings cut and sanded, log stairs, second floor log joists, through-bolts, post and purlin roof structure, 2 x 6 framed gable ends. All wood treated with a fungicide.

Artisan's work site is in Abbotsford, 1 hour east of Vancouver. All our buildings are pre-erected here, then coded, disassembled and shipped. If the permanent location is within British Columbia, Artisan provides the crew to come and re-erect the building on its foundation.

Options: Windows, doors, spruce/pine decking, pine wainscoting, complete lock-up (for southern B.C. customers) inside finish on a cost-plus basis.

ATLANTIC LOG WORKS

**ATLANTIC LOG WORKS
P.O. BOX 3105, STATION A
MONCTON, NEW BRUNSWICK
E1C 9C2
MICHAEL KEARNS
PRESIDENT**

Michael R. Kearns is the sole proprietor of Atlantic Log Works, a handcrafted log home company founded in 1983. He markets his company's products along the Eastern coast of Canada and in the Northeastern United States. Most home packages are custom built to order and can be delivered worldwide.

Kearns has had six years of log building experience and is a graduate of the B. Allan Mackle School. He builds primarily with the Scandinavian full-scribe method of log construction but he has had experience with pièce-en-pièce and full-round chinked log structures. Log staircases and post and beam roof trusses are common effects in his buildings.

Atlantic Log Works has a construction yard in New Brunswick where much of the cutting, shaping and pre-assembly of the logs take place. The logs are then disassembled and transported to the owner's building site where they are reassembled upon his foundation. However, the company will occasionally construct a log home at the owner's site.

Spruce is the most popular species of tree used. But pine and cedar are also available. Wall logs may vary in width from 10" to 20" and from 28' to 40' in length. They are handpeeled and treated with Penta-Phenol by Glidden. Kearns shapes the corners using round notches, saddle notches and square notches (where necessary). The notches are sealed on the inside cut with Perma-Chink.

A shrinkage allowance of 1/2" to 3/4" per foot of wall height is typical. Roof overhang is a minimum of 2' along the sides and 5' at the peak of the gable ends.

Log packages range in price from \$14,000 to \$100,000. Kearns projects sales of about 8 homes in 1988.

BEAVER LOG BUILDERS

BEAVER LOG BUILDERS
R.R. 8, BOX 29, JOHNSTONE SITE
QUESNEL, BRITISH COLUMBIA
V2J 5E6
TEL: (604) 992-5003
FAX: (604) 992-2222
DARWIN BRIAN CURLE
MANAGER

Beaver Log Builders was founded in 1975 and takes pride in building top quality handcrafted log homes with a personal touch. The construction site is located in timber rich central British Columbia. Pine, spruce and fir logs are used with butt sizes ranging from 14" to 20" depending upon customer preference. Logs are winter cut and air-dried.

Houses by Beavery Log Builders have been built for owners in Manitoba, Saskatchewan, Alberta and several different areas in British Columbia. The company also ships products to New York State, the Northwestern United States, and Alaska.

The company has built about 20 log homes. Shell packages range in price from \$15,000 to \$35,000 (Canadian). Beaver's most popular style is the full-length scribe with saddle notches. Round or square, dove-tail corners are also available. Depending upon the complexity of design, costs can range from \$10 per sq. ft. upwards.

Brian Curle, president of the company, was trained at the B. Allan Mackie School of Log Building and he works on every log in a Beaver Log home. He also helps to engineer the designs. Custom prints are available as well as in-stock plans. Curle travels to customer's property in every case to supervise and assist in the reassembly process.

The best time to telephone Curle is after 8:00 p.m. and before 8:00 a.m., B.C. time. A brochure and plans sheet is available at a cost of \$5 (postpaid).

Member: Canadian Log Builders Association.

Standard Package: Log walls notched to accommodate interior partitions and cut for windows and doors, drilling of walls for electrical wiring, log beams and floor joists for the second floor, log ridge pole and purlins, log trusses, spikes, interior and exterior trim, insulation, sealant strips, log partitions, preservative, log arches and log and profiles cut as specified, logs oiled (customers supply their choice) and consultation services at all times.

Options: Windows, doors, sub-floor, finish floor, roof, double roof, shakes, shingles, caulking and chinking.

BLUE TRAIL

BLUE TRAIL LOG HOMES
BOX 994
ROCKY MOUNTAIN HOUSE, ALBERTA
TOM ITO
TEL: (403) 846-4777
FAX: (403) 846-7175
RON LEAPARD
PRESIDENT

EASTERN OFFICE
P.O. BOX 12
PARRY SOUND, ONTARIO
P2A 2X2
TEL: (705) 746-5661
FAX: (705) 746-4546

Blue Trail Log Homes was founded in 1978, and handcrafts log structures using large diameter pine, spruce, fir, and cedar. The company uses 10" to 24" diameter logs, handpeeled and air-dried. The logs are fully scribed and treated with Naturol by Fargo.

Being a custom builder, Blue Trail offers a variety of notches: dovetail, saddle, or round. The company also has a "shrink-fit" saddle notch. Pléce-en-pléce, timber frame, or combinations of these and other building systems can be incorporated. Active or passive solar systems or other energy systems can be accommodated in these custom homes.

Blue Trail consults with customers to determine their needs, taste, lifestyle, and site. The buildings are developed according to the customer's specifications. The log/timber shell is usually pre-built in Blue Trail's construction yard.

Blue Trail does not run into problems with building codes, according to the company, because with the size of the logs and the trussed roof systems, the structures are "overbuilt" when compared with normal residential codes.

Blue Trail did the log work and roof framing for the 2,000-plus sq. ft. hostel in Nordegg, Alberta, for the Canadian Hostelling Association. Other structures range from a tiny, 60 sq. ft. back house to a 6,000 sq. ft. building.

Blue Trail enjoys working with owner-builders. The company is willing to provide expertise, with the owner-builder supplying the labour. If a customer's position does not allow him the time to be actively involved in construction phases of a project, Blue Trail will take care of the details. The company's draftsman/planner or construction supervisor can come to any location to prepare groundwork for projects.

A basic shell averages \$15 to \$30 per sq. ft., while a turnkey home costs from \$45 to \$95 per sq. ft. Blue Trail offers design and drafting assistance for between 50 cents and \$1.25 per sq. ft. Consultation and instruction assistance are also available on request.

Member: CLBA.

Standard Package: Handpeeled logs, log partitions, floor and ceiling joists, sealant strips, caulking, scribe-fitted log walls, log roof superstructure, cutting of window and door openings and installation of keyways, provision for electrical wiring and cutting of holes for plugs and switches. Grooves are cut along the second floor level to enable installation of floor decking securely and attractively.

Options: Windows, doors, sub-floor, roof, double-roof, shakes, shingles, interior and exterior trim, chinking, and interior finishing.

BUILDING WITH LOGS

**BUILDING WITH LOGS, LIMITED
P.O. BOX 132
MIDHURST, ONTARIO
L0L 1X0
TEL: (705) 721-1911
FAX: (705) 721-4798
CHUCK PEACOCK
PRESIDENT**

Chuck Peacock has been designing and building handcrafted log and timber structures and timber roof systems since 1973. His company, Building With Logs, Limited has designed, framed and in many cases acted as general contractor on over sixty handcrafted log and timber structures in Ontario and various parts of the USA.

Although Chuck has discontinued the handcrafting and manufacturing portions of his business, he continues to undertake design and consulting work whenever interesting challenges in the design of log and timber wall or roof truss systems come his way.

Recently, the company was granted U.S. patents on a new form of modular timber frame construction. The new Canadian-registered system called "Stavehouse" is presently being evaluated through a manufacturing feasibility study to determine production and distribution costs for Canadian, U.S. and foreign markets.

A typical 2400 sq. ft. bungalow model of the modular timber frame system, complete with exposed timber trussing, is designed to be installed to lock-up in three to five working days on the assumption that the foundation is complete to the sub-floor stage and crane services are available. The system makes extensive use of mortice and tenon joinery, glue-lam beams, engineered fiber trusses and stress skin panelling.

Chuck Peacock hopes that on completion of the feasibility study "Stavehouse" will join the home building market as a quality alternative to the custom built handcrafted log and timber home.

BULLOCK & WIEBE

**BULLOCK & WIEBE
 MASTER CRAFTSMEN
 R.R. #3
 CREEMORE, ONTARIO
 L0M 1G0
 TEL: (705) 466-2505
 TIMOTHY BULLOCK AND ERIC WIEBE**

Timothy J. Bullock is an Ontario handcraftsman who has for years enjoyed a reputation for building unique, energy efficient log homes. In 1989, he sold his company Handcrafted Log and Timber Structures by Timothy J. Bullock Ltd., and formed a new company with his long-time friend and fellow craftsman Eric Wiebe. Together, they have built more than 200 handcrafted log buildings.

The pair work for a "select number of clients" each year which enables them to design and execute the buildings themselves. Bullock and Wiebe build in three basic styles: the Scandinavian full-scribe, hand hewn dove-tail or traditional timber frame joinery with milled timbers as large as 25" in width.

Bullock and Wiebe are widely known for executing intricate heavy timber roof systems. They will incorporate single, double and triple hammer-beam trusses, king and queen post trusses, single and double scissor trusses. Custom carvings on king posts and cross house beams from a variety of unique species are available.

Wall logs are primarily drawn from stands of white pine in Northern Ontario. Diameters are up to 48" at the butts. They are notched and shaped with hand tools such as the adze, slick, broadaxe and chainsaw. In the Scandinavian style of building, Bullock and Wiebe cut a shallow cope the length of the log. They have used loose packed fiberglass batt insulation as a filler and are experimenting with precompressed foam to completely eliminate long-term air infiltration problems. This will be an option in all future homes. For dovetail construction, Perma-Chink is applied over a backing of styrofoam. As an option, they will offer polyurethane insulating foam at the corners to reduce long-term air infiltration.

Still Bullock contends that, sealants aside, precision joinery is the first line of defense in the battle against air infiltration. "The initial joinery should be perfect," he says. "I do not ascribe to the theory that a notch will improve as it settles; but, instead, I see this reasoning as an excuse for bad joinery."

The company maintains that a timber roof system is an integral part of a well-built log or timber structure. The timber roof systems are reminiscent of the hammer-beam and intricate truss work in some of the medieval European cathedrals. Heavy timber roof and floor systems can feature woods like oak, maple, fir, ash and birch. Many of these trees are as old as 200 years.

Bullock will produce a complete set of plans, the price of which is applied to the final cost of the home. The company offers a completely integrated design service from footings to windows and doors. Costs of a custom log shell range from \$50,000 to \$300,000.

Though based in Canada, they anticipate that much of their business will be in the United States. Bullock and Wiebe were the craftsmen who designed and built the dovetail style log home for Bud and Pat Dietrich of Perma-Chink Systems in Knoxville. This home was featured in Log Home Design #3.

Standard Package: Wall logs, chinking materials, ceiling joists, blueprints, roof, floor joists, preservative and on-site assistance.

Options: Windows, doors, sub-floor, finish floor, double shakes, shingles, sealant materials, insulation, log partitions, trim, caulking, log stairs, log rafters, log railings and porch materials.

JOE BURGESS

JOE BURGESS LOG HOMES
SITE #7, R.R. 1
KINCARDINE, ONTARIO
N2Z 2X3
TEL: (519) 395-5701
FAX: (519) 395-2747
JOE BURGESS
PRESIDENT

Joe Burgess has over nine years of experience handcrafting custom log homes in eastern Canada.

Red or white pine logs with butt diameters of up to 24" and lengths of around 45' are hand selected and air-dried. Burgess builds primarily in the Scandinavian full-scribe style. Here, logs are saddle notched at the corners and given a full-length lateral groove. The grooves are filled with fiberglass insulation to act as a weather seal. Each log is carefully scribed to fit snugly atop the surface of the log directly beneath it in the wall. M-Seal may be used as an option.

Burgess is capable, however, of building in a variety of log styles including chinked dovetail, timber frame or pièce-en-pièce. He has also built homes for pre-cut manufacturers such as Pan-Abode.

Usually, homes are assembled first at the company's log yard located along the shores of Lake Huron. After the walls are finished, the logs are numbered, transported to the owner's house site and re-erected upon the waiting foundation.

"The time required to properly plan a handcrafted log home and follow through with scheduling and contracting may take several months," says Burgess.

"In-yard log work may take from one to four months depending upon detail and the volume of work."

Burgess applies a preservative to the logs on site and recommends Sikkens or Life Line wood finish for later application by his customers.

Roof overhang is a minimum of 3' along the sides and 4' at the gable ends.

Burgess will also bid on restoration projects for log buildings including re-chinking jobs.

The average price of a finished log home sold by the company is between \$70 and \$100 per sq. ft. All homes are custom designed.

Log wall and roof system packages alone run \$20-\$35 per sq. foot.

Member: Canadian Log Builders Association. Ontario Log Builders Association.

Sponsor: Log Home Guide Information Center, Cosby, Tennessee, U.S.A.

Standard Package: Wall logs, windows, interior and exterior doors, subflooring, finish flooring, roof, double roof, shingles, spikes, lag bolts, caulk, insulation, wall insulation, floor insulation, log stairs and railings, log trusses, first floor joists, second floor joists, interior and exterior trim, porch materials, preservative, blueprints, log partitions and on-site assistance for the log home buyer.

Options: Shakes and gasketing.

ED CAMPBELL AND ASSOCIATES

LOG HOMES FROM ED CAMPBELL AND ASSOCIATES

P.O. BOX 76

CELISTA, BRITISH COLUMBIA

V0E 1L0

TEL: (604) 955-6430

FAX: (604) 955-6522

ED CAMPBELL

PRESIDENT

Ed Campbell's homes have ranged from very large residences to small, functional ones. He can supply the logwork only, or can create complete turnkey homes. Campbell has built 90 log homes in the past 12 years.

The company has a drafting and design department which can develop unique log homes reflecting the lifestyles of the people who live in them. There are nine employees in the firm.

Spruce and cedar, air-dried for up to one year, are used for most homes, and pine, fir and larch are also used occasionally. Logs are treated with zinc naphthanate or lifeline preservative. Campbell's facility at Shuswap Lake, B.C. includes a workshop which turns out the various accessories for his log homes, such as hand-built windows, log stairways, railings and various carvings and paintings. Decorative truss work is often found in an Ed Campbell home.

Wall logs are scribe-fitted. Timber framing and pièce-en-pièce work is done as well as round-log dovetail construction.

In the past year, Campbell built a 3,000 sq. ft. summer home, built of all cedar logs, with features such as whirlpool tub and intercom.

"Nothing is average" in his homes, Campbell says - the emphasis is on custom work. "We are now deeply engaged in supplying the Japanese market producing both residential homes and commercial buildings. In addition we are also engaged in the teaching of log house construction to the Japanese. In co-operation with a Japanese company we are offering a holiday learning experience".

CANADIAN LOG STRUCTURES

CANADIAN LOG STRUCTURES
R.R. 3, BOX 9
BOBCAYGEON, ONTARIO
K0M 1A0
TEL: (705) 738-4014
RICK MOORE
PRESIDENT

Founded In 1983, Canadian Log Structures was created In 1867 Confederation Log Homes to cater to the do-it-yourselfer. The company already has 22 dealers. Canadian Log Structures can incorporate passive and active solar heating, solar hot water systems, Heatilator fireplaces and even wind power generation into their log home designs.

White pine logs are air-dried for one year, and are treated with a preservative. The logs are milled to a 6 x 8" configuration, and have a tongue and groove. Where logs butt, a groove and spline system is used. Corners are mortise and tenon. Vertical rods and caulking are used at the corners for structural integrity.

Butyl caulking from Tremco is applied along the wall logs.

A log package averages \$15,000. The company's plans book is available for \$3. Also available are a construction guide and a dealer information package.

A 10-year guarantee is offered on workmanship and quality.

Standard Package: Wall logs, spikes, blueprints.

Options: Windows, doors, sub-floor, finish floor, roof, double roof, shakes, shingles, insulation, interior doors, interior trim, exterior trim, log partitions, on-site assistance.

CAPAR

CAPAR LOG
A DIVISION OF CAPILTON CORP.
BOX 1197, HIGHWAY 72
SIOUX LOOKOUT, ONTARIO
P0V 2T0
TEL: (807) 737-3341/3043
RONALD CAPAR
PRESIDENT

Capar Log specializes in smaller, hand-fitted log shells and custom log home finishing work.

The company has its own supply of prime red pine trees and carries a line of quality log home products. As a result, Capar has become a resource center for log builders in Northwestern Ontario.

Ron Capar is a journeyman carpenter and log builder. He specializes in log home finishing such as roof construction, interior design, consulting with trades, stud framing that is shrink-fit, installation of doors and windows, and custom log staircases.

Log shell prices can be made on submitted designs only. Finishing work is priced with an hourly rate.

Capar provides log homes built in the Scandinavian full-scribe and round log chinked methods of construction. Logs range in diameter from 12" to 20" with 45' lengths being the maximum. Log courses are sealed with polyurethane foam. Weatherall chinking is used with round log chinked buildings.

Capar pre-builds the home in his own log yard and then disassembles and transports it to the owner's foundation for reassembly.

Roof overhang is a minimum of 3' along the sides and the gable ends.

Capar expects to build about six homes in 1988.

COUNTRY

COUNTRY CRAFTED LOG HOMES
BOX 606
LANIGAN, SASKATCHEWAN
S0K 2M0
TEL: (306) 365-2923
MARK ORCHARD
PRESIDENT

Country Crafted Log Homes is owned and operated by Mark and Audrey Orchard. Orchard has been building quality hand-crafted log homes for four years and has completed to date eight homes ranging in size from 600 sq. ft. to 2,100 sq. ft.

All logs are hand selected by Orchard for their soundness, straightness of grain and minimal taper. All logs are air dried and hand peeled.

The company uses white spruce, red pine and white pine, and can also obtain douglas fir, lodge pole pine and cedar from B.C. The logs are harvested in the winter months.

Orchard builds mostly with log diameter ranging from 18-18" butts and 9-14" tops, and has built with log butts 24" and 18" tops.

All logs are hand scribed and hand fitted to ensure a tight weather proof fit. Orchard uses a number of notches in a building: round, saddle, square, blind notch.

Orchard uses a foam gasket seal between the logs and fiberglass insulation in the corners. A small bead of acrylic rubber sealant can be applied on the inside and outside to ensure an air tight weather proof home.

All of Orchard's homes and cottages have been custom designed to suit location and the customers personal tastes. No two homes are alike. All homes are built using full length logs, with no visible splices in the walls. Orchard builds on site or at his yard near Lanigan in central Saskatchewan.

A settling allowance of 3/4" per foot is made for above windows and door headers. Logs are pinned between windows and doors for added stability. The top two rounds are lag bolted and pinned to give greater stability.

Log work averages \$15.00 sq. ft. for the log shell which includes log walls, log trusses, purlins, ridge pole, log railings and stair case.

The company markets in the Western Provinces but will ship a home anywhere. A free information brochure is available.

Standard Package: Wall logs, foam gasket seal, log trusses, second floor joists, blueprints, stair case, on-site assistance.

Options: Windows, interior doors, exterior doors, preservatives, railings.

CREATIVE

CREATIVE LOG HOMES ALBERTA LTD.
P.O. BOX 298
CREMONA, ALBERTA
TOM ORO
TEL: (403) 637-2147/637-3825
FAX: (403) 637-2147
ALLEN MARR
PRESIDENT

Creative Log Homes was founded in 1985 and specializes in Scandinavian full-scribe log homes built of large diameter timbers.

Log builders Allen Marr and Kevin Ryan choose logs of pine, spruce, cedar or fir according to strict guidelines. They must be consistent in size, sound, straight grained and have minimal taper. Butt diameters of 24" are not uncommon. Lengths can be up to 60'.

Logs are air-dried, hand-peeled and treated with a preservative at the company's new building yard located at Water Valley, Alberta.

"We prefer Big Sky Log Oil for our customers and will apply this to any building we have constructed or any wood structure to help preserve the natural beauty of the wood," says Marr.

Marr and Ryan prefer to use the Norwegian shrink-to-fit notch in their log work. This unique notch allows for a tight fit with the shrinkage and settling of log walls. Roof overhang is a minimum of 3' along the sides and a minimum of 4' at the gable ends. Butyl sealant tape is applied to the inside of the lateral groove to seal the log courses and within the notches.

A settling allowance of 3/4" per foot of wall height is made above windows and doors. Walls are through-bolted for added stability.

Creative Log Homes markets its products throughout Western Canada and the Western United States. It is looking to build an overseas market in Japan. Homes are first assembled at the company building yard and then shipped to their permanent location and finished there.

The average price of turnkey log home by Creative is \$65 to \$70 per sq. ft.

Standard Package: Wall logs, windows, exterior doors, sub-flooring, roof, double roof, through-bolts, caulk, gasketing, roof insulation, wall insulation, log stairs and railings, log trusses, first floor joists, second floor joists, exterior trim, preservative, on-site assistance and log partitions.

Options: Interior doors, finished floor, shingles, shakes, interior trim, porch materials and blueprints.

MARVIN CHRISTL

MARVIN CHRISTL'S LOG WORKS
R.R. 2
BOWMANVILLE, ONTARIO
L1C 3K3
TEL: (413) 623-4648
MARVIN CHRISTL
PRESIDENT

Marvin Christl is a 36-year-old Canadian handcraftsman who has been building log homes professionally for six years, having grown up on a farm. Marvin has a background in machinery and tools which helped him develop rapidly into a skilled log craftsman.

All of the buildings constructed by Marvin Christl's Log Works are custom designed.

Christl works with white pine and red pine primarily, but also has access to British Columbia fir, spruce and cedar. The logs are horse-skidded from the forest to avoid machinery scars and other associated damage. They are then handpeeled and air-dried to ensure quality. Logs have a minimum 10" top and 18" butt. They may come in lengths of up to 50'. Each timber is carefully selected for minimal taper, straightness and soundness.

The logs are handscribed and fashioned with a chainsaw. Three types of log buildings are generally offered. The Scandinavian full-scribe logs have a lateral groove cut into them which match the contours of the log beneath it in the wall. Plèce-en-plèce uses shorter timbers in a French-Canadian post and beam style. Dovetail logs are sawn flat on two sides and have chinking between the courses.

Corners may be saddlenotched, roundnotched or dovetail. Christl uses Seal gasketing and, when required Perma-Chink. A backer rod or Em-Seal is used on both sides of the lateral grooves and on the notches. Fiberglass insulation may be used between the logs. The logs are treated with cuprinol and Sikkens Cetol. Roof overhang is from 2' to 4' along the sides and from 3' to 6' at the gable ends.

The average price of a shell is \$30 per sq. ft.

Marvin Christl's Log Works also offers the unique service of a mobile trailer which can be situated at the owner's site should he or she be interested in taking part in the construction of their own home.

A brochure including numerous examples of Christl's work is available for \$5.

Member: Ontario Log Builders Association.

Standard Package: Log walls, roof, log partitions, ceiling joists, floor joists, sealant strips, caulking, chinking, preservative, blueprints and on-site assistance.

Options: Windows, doors, subfloor, finish floor, double roof shakes, shingles, insulation, interior doors, interior or exterior trim.

JJ LOG HOMES

JJ LOG HOMES
BOX 2896
CRESTON, BRITISH COLUMBIA
V0B 1G0
TEL: (604) 428-5832
FAX: (604) 428-3320
JOHN VENDITTI
MANAGER

JJ Log Homes builds quality handcrafted log homes. John Venditti has seven years experience in log construction taking his instruction at the Mackle School of Log Building in Prince George, British Columbia.

The product pre-built in Creston, British Columbia is a handcrafted natural log structure using what is usually referred to as the Scandinavian scribe-fit method. This method involves scribing, cutting and notching the bottom of a log to fit the log below it in such a manner as to ensure a tight fitting joint along the entire length of the log and around the notches. The type of notch used is a Saddle Notch as opposed to a Round Notch. The more superior saddle notch has further been refined to what is called a four-point saddle notch.

The species of logs used are either western larch, spruce or pine with a single species being chosen for each product. Cedar or Douglas fir are two other species used for building log homes.

The average diameter is 12" to 14" at the top and 16" to 18" at the butt with a taper of 4" over 40'.

The logs are carefully handpeeled and immediately treated in such a manner as to retain the natural colour of the wood and to further prevent mildew and fungal growth. The product used is Sikkens Cetol 1.

Standard Package: Canoe joists, exterior trim, preservative, on-site assistance and log partitions.

Options: Interior doors, finished floor, shingles, shakes, interior trim, porch materials and blueprints.

JOHN DEVRIES

JOHN DE VRIES LOG HOMES LTD.
R.R. #3
TWEED, ONTARIO
K0K 3J0
TEL: (613) 478-6830
JOHN DE VRIES
PRESIDENT

John DeVries is the Past President of the Ontario Log Builders Association and an active member of the Canadian Government/Industry Task Force on log building.

His 15 years of experience in handcrafted log homes is seen in his attention to detail as well as the design and the versatility of all DeVries' log homes.

Founded in 1972, John DeVries Log Homes, formerly called Log Homes by Survival One, builds in two traditional styles of solid timber construction. The first is the Scandinavian scribe fit method. Here, logs are handpeeled with a drawknife and covered the length of the log to fit the log underneath. The tight fit produces a chinkless log wall.

The second style of log home built by DeVries is the traditional pièce-en-pièce. This is for the client interested in wood and fitted in various ways: round, locking round and saddle. Roof overhang is 4' along the sides and gable ends.

A new Scandinavian scribe-fit office situated on the work site, allows potential buyers to view the craftsmanship of a DeVries log home. Kits range in price from \$30,000 to \$150,000. A descriptive brochure, which includes 15 sample plans, is available for \$5 postpaid.

In addition to log residences, John DeVries has built handhewn log churches, offices, and motels. He markets primarily in Quebec and Ontario. He has built about 60 solid timber structures.

Member: Ontario Log Builders Association.

Standard Package: Wall logs, on-site assistance, ceiling joists, blueprints, sealant materials and preservative.

Options: Windows, doors, roof, double roof, exterior and interior trim, floor joists, log stairs, log railings and log rafters.

GLEN DIEZEL LOG & TIMBER CONSTRUCTION

GLEN DIEZEL LOG & TIMBER CONSTRUCTION

BOX 752

MINDEN, ONTARIO

K0M 2K0

TEL: (705) 754-2425

GLEN DIEZEL

PRESIDENT

Glen Diezel Log & Timber Construction is a small group of craftsmen who have been producing handcrafted log and timber structures since 1978. All buildings are custom designed, with the owner's needs, site and budget in mind. The company actively markets from coast to coast in Canada.

Diezel offers full design and blueprint services to both owner-builders and customers. After a blueprint has been developed, the company produces a rough shell or frame at either Diezel's outdoor building site or indoor framing shop. The structure is then shipped and erected on the owner's site.

The company can provide the log acquisition, rough shells and frames, right through to the completion of the house.

Diezel can work with round notch, dovetail and post (pièce-en-pièce).

White and red pine is used for wall logs; oak for framing. The logs average 12" at the tops and 18" at the butt ends. All logs are air-dried three months to three years, and are treated with diesel fuel. The logs can be square-edged, broad-axed, rough cut or dressed.

The logs are normally scribe fit, and only full length logs are used. Fiberglass is laid in the lateral of the scribe fit logs, foam is used in the dovetail, and a backer rod is employed on opening and posts. Finishes can be oil, stain, lacquer, varnish, as well as preservative.

Roof overhang is two and a half feet at the sides, and four feet or more at the gable ends.

Common features of a Diezel home include custom insulated wood doors, greenhouses and solarium additions, shake roofs, hammer beam and square timber roof systems, and custom woodworking (stairs, mantels, decks, rails, door frames, finish carpentry).

The average price of a shell kit ranges from \$25,000 to \$35,000. Most customers purchase a round log shell kit, averaging 1,500 sq. ft. with three bedrooms. Diezel will sell the logs only, if desired.

A lifetime guarantee is offered on workmanship. Write for free brochure.

Member: Ontario Log Builders Association.

DOUCETTE**DOUCETTE LOG BUILDING LTD.****R.R. #1****PARIS, ONTARIO****N3L 3E1****TEL: (519) 753-2700****FAX: (519) 753-9112****PETER R. DOUCETTE****PRESIDENT**

In 1978 Peter Doucette set his first rounds of log work for the Ministry of Natural Resources in the far reaches of Northern Ontario. Since those early days, Peter has been striving to better his work and the craft of log building.

Today, his company, Doucette Log Building Ltd. constructs 6 to 8 finely crafted scribe-fit homes each year. Peter and his craftsmen have been mastering the form of round log timber trusses which are works of art as well as strength and beauty.

By custom-designing every home for his customer, Doucette offers a truly unique and original log home crafted in either white or red pine or cedar logs. Doucette also tries to fit the diameter of log to the size of the home and the wishes of the customer. Small homes and cottages - 15" to 17" butts and large homes usually contain large logs - 19" to 22" butts, with no log under 11" at the top.

Every log is handpicked while it is standing in the bush. Starting with this close attention to detail and continuing with it throughout the construction, Doucette can ensure that every project receives his very best attention and work.

Logs are handpeeled and air-dried, initially treated with a non-toxic wood protectant. When the home is re-constructed on the owner's site the final preservative is applied.

Customers have a choice of log shells of complete turnkey homes or cottages, in Scandinavian Full-Scribe or Square-Timber Dovetail. Round and Square Timber Trusses are also available. Most of Doucette's customers purchase the log shell which costs about \$3.00 to \$4.00 per sq. ft.

Doucette Log Building Ltd. is actively building in Ontario and the Northeastern States and is looking forward to marketing overseas in mid 1988.

"With our new 16' x 20' storey and a half show office" Doucette states, "Our clients can spend some time inside one of our log buildings without the pressure of salesmen or disturbing the homes of our past clients."

Other services offered by Doucette Log Building Ltd.; consultation available for Architects and Owner-Builders, log home construction workshops and tours available for small interested groups. Call for more information on these special services.

Office Hours: Monday to Saturday 8:00 to 12:00, 1:00 to 6:00, after hours and Sunday visits are available, by appointment, if possible.

FAULKNER LOG HOMES

**FAULKNER LOG HOMES
R.R. #1, BUTTERMILK HILL
GOULAIS RIVER, ONTARIO
POS 1E0
TEL: (705) 649-2312 OR 949-5540
PETER FAULKNER
PRESIDENT**

Peter Faulkner handcrafts log homes from Ontario's Sault Ste. Marie area. He and his staff build custom log homes from eastern white pine using logs ranging from 12" to 20" in diameter. His company's emphasis is on quality, not quantity. Most Faulkner log homes are over 1,500 sq. ft. and incorporate such options as carved logs, log staircases and solid timber roof systems.

Faulkner was chosen to build the Log Home Guide Information Center in Cosby, T.N. This is a 4,000 sq. ft. building dedicated to research and development in the log home industry. Major pictorial articles on that building were featured in Log Home Guide throughout 1987.

The Scandinavian full-scribe technique is used in fitting massive round logs. A half dovetail notch is employed on the square timber homes. Square timbers are produced at the company's site. They are sawn from white pine logs up to 10" x 12". Eighty percent of the company's homes are delivered to the U.S. while the remaining 20 percent are destined for the Canadian market.

Faulkner has the equipment to set up and test for fit all timber roof members before shipping to the final destination, ensuring that quality craftsmanship is maintained for each detail of the project.

The company's log home design service provides for careful planning which eliminates construction delays and cost overruns.

All logwork is coated with Sikken's Cetol. A five-year warranty is offered on settling defects and a one-year warranty on finishing details. All buildings are built to exceed Canada Mortgage and Housing Corporation (CMHC) standards.

The company is marketing its homes throughout the United States and Ontario.

The Ontario School of Log Construction is a division of Faulkner's handcrafted log home company. It offers career level courses throughout the year at the Goulais River building site.

Member: Ontario Log Builders Association, Canadian Log Builders Association.

FINLAYSON

FINLAYSON LOG HOMES
S50, C10, R.R. #2
PENTICTON, BRITISH COLUMBIA
V2A 6J7
TEL: (604) 493-3423
REID FINLAYSON
PRESIDENT

Reld Finlayson learned the craft of log home construction from Norwegians who had settled in British Columbia. His handcrafted homes have a distinctive, "old country" look about them.

He uses the Scandinavian full-scribe method of shaping logs. Corners are notched in the traditional Norwegian style with cuts made in both the bottom and top of the interlocking logs, which has much better settling characteristics than the more common round notch. A lateral cope is cut the full length of the log. The edges of this cope follow the contours of the log underneath them in the wall. The cope and corner are filled with fiberglass insulation. Only full length logs are utilized with no mid-wall splices.

Finlayson has 15 years of experience in the trade and his homes have met every building code in British Columbia and Alberta. The company has also built in the U.S. and will ship its products anywhere in North America.

The most popular species of tree for a Finlayson home is pine; but fir, spruce and larch (tamarack) are also used for various projects. Cedar is another possibility, although customers tend to avoid it because of the price.

There are three basic sizes of logs. The smaller timbers range from 12" to 14" in butt diameters. Mid-range logs (most common choice) are from 18" to 20". The company has also built with logs 24" wide or more. All logs are hand picked by Finlayson for straightness, minimal taper and soundness. He guarantees his materials and his workmanship.

Finlayson can construct any type of roof system desired by the homeowner. He likes to use log staircases and curved archways in all of his homes and oversees the construction of all projects.

In most circumstances, the home is prebuilt in a company log yard then disassembled, numbered and shipped to the owner's site for re-erection. Occasionally, the company will build upon the owner's lot. All homes are fully adjusted for 4" or more of settling throughout using traditional handcrafted techniques. Anything from a log shell to a complete turnkey home is available. A plans book showing 12 standard designs is available upon request.

Standard Package: Wall logs, log partitions, log stairs, log railings (interior), porch materials, insulation for log walls, ceiling joists and on-site assistance.

Options: Log railings on outside decks or other areas, interior frame walls with settling adjustments, windows, shingles, exterior and interior trim, doors, preservative treatment, blueprints, log rafters, roof, double roof, sub-floor, shakes and sealant materials.

TOM FLEGAL**TOM FLEGAL PINE LOG HOMES**

R.R. #2
EGANVILLE, ONTARIO
K0J 1T0
TEL: (613) 628-2372
TOM FLEGAL
PRESIDENT

Tom Flegal Pine Log Homes has been building custom log shells since 1977.

Flegal's homes have gained notice for the large white pine logs used in construction and for their precisely fitted, hand cut dove-tail corners.

Red and white pine logs are felled in winter which have 14" to 20" tops. They are handpeeled and air-dried before being sawn at the company's sawmill to a thickness of eight inches. Logs come in lengths of up to 40'.

Flegal builds primarily the handhewn log house with dovetailed corners. There are two styles: the traditional which has a rounded top and bottom with sawn sides or the squared timber where the logs are a uniform 8" x 12".

Two standard shell sizes are offered. The "Pioneer" is 20' x 24' or 480 sq. ft. The "Homestead" is 24' x 32' or 768 sq. ft. These designs can be combined in various ways to suit the customer's specific needs. Flegal will also custom design a building or build to any suitable plans.

Flegal only provides the log shell, reassembled on the owner's foundation. He does not build turnkey log homes. However, he does assist with on-site advice and construction guidance for foundation work, windows and doors, insulation, Perma-Chink application and other finishing work.

There is generally a 6 to 9-month wait between ordering and delivery day.

A brochure is available for \$1. Flegal primarily serves the provinces of Quebec and Ontario.

Standard Package: Log walls 8" thick and 8½" high, windows and door openings cut to specification, cutouts for electrical outlets and wiring where needed, preservative applied to sill log, spray foam insulation and Perma-Chink, and free reassembly within 100 miles.

Options: Beams, additional courses of logs for 1½-storey and 2-storey homes, sunrooms, porches, interior log partitions, timber framed doorways and pine tongue and groove flooring.

GANARASKA

GANARASKA LOG HOMES LTD.
R.R. #2
ORONO, ONTARIO
LOB 1MO
TEL: (416) 983-9354
RON AND TINA KEYS
PROPRIETORS

Ganaraska Log Homes is a handcrafted company founded in 1984 by Ron and Tina Keys. Ron was a graduate of the Pat Wolfe school of log building. The company is located near the Ganaraska forest about an hour east of Toronto on Highway 115.

Ganaraska builds primarily in the traditional Scandinavian full-scribe style but also undertakes to construct hand-hewn dovetail or timberframed homes. Red and white pine logs are carefully selected for surface appearance, straightness and soundness. Butt diameters average 16" to 20" and logs can be up to 50" in lengths. After hand peeling of the bark, they are treated with Busan by Buckman Laboratories to control problems with fungal growth.

The home is pre-built in the company's work yard using hand tools. Each log is scribed to fit onto the log underneath it in the wall. A chamfered saddle notch is used in the corners which helps to adjust for irregular shrinkage in sapwood. A shallow cope is made the length of each log. This is filled with fiberglass insulation and then a strip of asphalt impregnated foam gasketing by Emseal (1" x 1/2") is placed along the inside edge to form a weathertight seal. This same method of sealing is used in the corners.

No metal fasteners are used in the wall system. Wall stability is maintained by the weight of the logs and the roof system. Every home is fully adjusted for settling (3/4" per foot of wall height in red pine and 1/2" per foot in white pine). Key-ways and splines are used for door and window units. Screw-jacks and similar adjustments are made at vertical posts or in partition walls. There are no butt joints in the walls as only full length logs are employed.

The average price per sq. ft. for one of the company's basic shells is \$32.50. The company's primary sales area is Ontario although Ron hopes to expand his markets into New England. He sells log shells for the most part but within a 100 mile radius is willing to undertake complete turnkey projects.

Ron teaches courses in full-scribe log construction at Durham College in Oshawa, Ontario.

Member: North American Timber Framers Guild.

Standard Package: Wall logs, windows, gasketing, insulation, second floor joists, preservative, blueprints, re-buttling for second level flooring, floor space boards for main level, drywall kerf posts, cutting for electrical wiring and outlets, arched openings and re-erection services.

Options: Log stairs and railings, log trusses, first floor joists, porch materials, log partitions, posts at interior log wall ends and timberframe door and window openings.

GLENGARRY**GLENGARRY RESTORATION & CONSERVATION LTD.****R.R. #1, RAE ROAD
CORNWALL, ONTARIO****K6H 5R5****TEL: (613) 931-2223****FAX: (613) 932-0596****ROBERT FILLIOL****PRESIDENT**

Many log home buyers are interested in having a home built that closely resembles the early local architecture of the area in which they live. This is the kind of specialty work that interests Glengarry Restoration & Conservation Ltd. of Cornwall, Ontario.

Founded in 1982, Glengarry markets its handhewn log houses primarily to Canada and the U.S., although kits may be shipped anywhere. It specializes in creating reproductions of early, local log homes.

In 1988, Glengarry began building Scandinavian full-scribe log kits to meet the demand of those who prefer round log homes. However, they still stress the hand-hewn custom construction approach to all their full-scribe log work. Red pine, spruce or western red cedar can be used for these kits.

White pine is used exclusively for square log homes. Logs are harvested that range in size from 12" to 16" at the tops and may be 40' to 50' in length. They are sawn flat on two sides and the dovetailed corners are cut by hand. Walls are chinked with a traditional mortar mix or with Perma-Chink. Cetol 1 by Sikkens is used as a preservative.

"Most of our customers are looking for reproductions of early log house styles, not pre-cut or mass produced homes", says owner Robert Filliol. "I do the presentation drawings, locate and buy the logs, and then build every kit we sell. Hand adzing or broad axe finishes are options for our buyers".

Glengarry also produces long, full length timbers up to 42' long. The average price of a 3-bedroom shell kit is about \$25,000.00.

Another service which Glengarry offers is restoration to log and timber frame structures. Recently, work has been completed at Upper Canada Village in Morrisburg, Ontario and at Le Chateau Montebello, Québec. We are thus available for consultation and price estimates.

Member: Ontario Log Building Association.

Standard Package: Log shell and all timber for floor and roof system, custom design & blueprint service.

HANDCRAFTED LOG AND TIMBER STRUCTURES CO. LTD.**HANDCRAFTED LOG AND TIMBER
STRUCTURES CO. LTD.**

**P.O. BOX 277
CREEMORE, ONTARIO
L0M 1G0
TEL: (705) 466-2121
FAX: (705) 466-2880
RUDY NEWTON
REID CHITTICK**

HEAD OFFICE

**P.O. BOX 574
COLLINGWOOD, ONTARIO
L9Y 4G8
TEL: (519) 599-3699
FAX: (519) 599-5555**

U.S. REPRESENTATIVE

**P.O. BOX 3089
LYONS, COLORADO
0540
TEL: (303) 823-5736
JAMES GOLD**

Handcrafted Log and Timber Structures Co. Ltd. (HCL) is a fully integrated company supplying products and professional services to the general construction and log and timber building industries.

At HCL's 22 acre facility located in Creemore, Ontario, the company's complement of highly skilled and devoted craftsmen produce complete custom Scandinavian, dovetail and timberframe structures to satisfy each client's individual requirements.

The firm also specializes in the fabrication of log and timber structural space frames and log building components including heavy timber floor and roof assemblies for supply to other log builders, general contractors and consumers.

The company's raw logs are sourced mainly from the forests of Northern Ontario. Its 60" diameter sawmill at the Creemore plant enables timber production in any size to 24" x 24" and lengths to 60 feet. The predominant log species inventoried is northern white pine. Customer/client specifications requesting other timber species can be accommodated contingent upon availability or raw materials.

The company also provides client support ranging from the basic "how to" advice to the delivery of complete turnkey projects through its general contracting/project management division.

The professional services department is staffed with registered engineers and designers. Utilizing "state of the art" computer aided design and structural finite element analysis/modelling techniques to satisfy today's stringent building code requirements for safety and serviceability. Architectural and structural specifications are developed to ensure that each project exhibits the traditional appearance, beauty and crafting excellence that HCL's skilled artisans demand to be produced.

The professional engineering and design services that Handcrafted Log and Timber Structures determined as being a necessity in today's environment are now being marketed to other industry producers on a fee for service basis.

HEARTWOOD LOG HOMES LTD.

HEARTWOOD LOG HOMES LTD.
 R.R. #1
 MARGARETVILLE, NOVA SCOTIA
 B0S 1N0
 TEL: (902) 825-2322
 FAX: (902) 765-3034
 ROGER ELLIS
 PRESIDENT

Heartwood Log Homes is a small company specializing in the construction of handcrafted log buildings. We believe in the strength, warmth and beauty of a natural log home and are committed to a high standard of craftsmanship in our work.

We work with spruce or pine logs cut in fall or winter when the sap is dormant to minimize checking and staining. The logs are then hand peeled to give the unique natural finish that occurs when only the outermost layer of wood is exposed.

Walls are constructed using the "scribed-fit" technique. This involves marking each log along its entire length to conform to the irregularities of the logs below. The intervening wood is then removed using hand-held tools and the resulting "v-groove" and notches are packed tightly with fibreglass to form a gasket. When the log is rolled into place the job is done - no "chinking" or caulking is required. Only the logs themselves are visible.

Settling is inevitable in a log building, but no problems are encountered when it is properly anticipated and allowed for. At Heartwood, we understand log construction and take care to allow for settling around doors, windows, vertical posts and anywhere else that it is a factor.

In addition to the actual log wall, Heartwood Log Homes takes pride in the log floor and roof systems which we build. Many of our homes feature exposed log beams, ceiling joists and roof trusses. These items, while beautiful to behold, form an important part of the structural integrity of many log home designs. The logs for these structural members are carefully chosen using engineering tables and joined using special notches and a minimum of exposed metal hardware.

Electrical wiring is run through holes predrilled in the wall and can be installed when the building is roof-tight. Boxes are set into the log and the wall plates sit flush against a small flattened section of the log. All wiring is, of course, completely invisible and no special mouldings or coverings are required.

Wood is an excellent insulator and has a high thermal mass. This combination of qualities ensures that a well built log home will be comfortable and energy efficient. An energy analysis by Enerscan Engineering Ltd. of Halifax, Nova Scotia concluded that a Heartwood Log Home ... far exceeds the standards set by CMHC. Heartwood Log Homes can be built with CMHC approval.

At Heartwood, our commitment to quality construction extends beyond our own work. We have a great respect for those who undertake the building of their own log home, and we offer short courses to help them get started. All aspects of log construction are covered in a hands-on format stressing quality workmanship, safety and proper construction techniques. Courses usually run one week and are held in early May.

We do the initial construction of the building on our site in Nova Scotia's Annapolis Valley, then dismantle it and ship it to the foundation, where we reassemble it. The finishing of the building can be done either by us or by the owner. The logwork is finished to a point where another carpenter coming on the job can do his work quickly and efficiently without having to cut into the logs in any way.

Heartwood Log Homes employs modern techniques combined with a rare sense of craftsmanship to build homes that are both energy efficient and beautiful. People who are attracted to a log home because of its exceptional feeling of solidity find that a Heartwood Log Home has the added advantages of warmth, high quality workmanship and low maintenance.

HIGHLAND

HIGHLAND LOG BUILDERS LTD.
BOX 1750
VERNON, BRITISH COLUMBIA
V1T 6C3
TEL: (604) 545-6655
FAX: (604) 545-6060

SEATTLE SALES OFFICE
BOX 1254
NORTHBEND, WASHINGTON
U.S.A. 98045
TEL: (206) 888-3642
FAX: (206) 888-4402
PRINCIPALES: BRIAN LLOYD
DAVE GARDNER
JAMES BROWN

In the Southern Interior of British Columbia and around the world Highland Log Builders has been recognized for the last 12 years as one of the leading Hand Crafted Log Home Construction Companies. During this period upwards of 75 Custom Homes have been designed and constructed by the principals of this company. Highlands products are marketed throughout the United States and Canada and overseas to Japan and Europe.

These custom homes are built using state-of-the-art techniques for hand crafted scribe-fit log construction. Our products range in style and technique to suit the clients taste, and include all forms and types of Log and Timber construction.

The species of timber available to Highland include a large supply of cedar as well as spruce, whitepine, lodgepole pine, jackpine, fir and larch. The cedar comes from some of the finest growing areas of B.C. which is recognized as being of superior quality for log home construction. This material is winter cut and is also available in either seasoned or dry logs.

The Construction Techniques available include: complete range of corner notching techniques, the most popular being saddle, shrink-fit, round, dovetail, scribe-fit lateral groove or chinked style. All forms of roof construction ranging from round log to timber frame including all styles of trussed roof structures.

Highland Log Builders Ltd. provide complete services for its buildings and guarantees customers satisfaction for the range of services chosen. These services include: design and drafting of custom plans; project management; construction management and; construction and delivery. The current activities include: the creation of the Rockwood Farm Estate in the Seattle area. Highland Log Builders is providing project management services, design, construction management, and construction of 2 bridges, shop, stable and 18,000 sq. ft. residence.

Highland has constructed and delivered 6 buildings to Germany in the past year and provides project management for NLS Developments of Canada, which is a consortium of log home construction companies in western Canada formed in 1984.

Custom Package: Wall logs, caulk, gasketing, log stairs and railing, log trusses, second floor joists and on-site assistance for the buyer.

Options: Windows, interior doors, exterior doors, sub-flooring, finish flooring, roof, double roof, shingles, shakes, throughbolts, roof insulation, wall insulation, floor insulation, first floor joists, porch materials, preservative, blueprints, log partitions, carvings, balcony railings and ceilings.

VIC JANZEN

**VIC JANZEN
LINDELL BEACH
C/O CHILLIWACK, BRITISH COLUMBIA
VOP 1P0
TEL: (604) 858-4135**

Vic Janzen is a consultant, trouble-shooter, log building instructor, author, and occasional log builder. Janzen is frequently called in when blueprints are needed for a tricky design, problems appear with a roof structure, or when the design needs a fresh, experienced appraisal.

Janzen teaches short log building courses in B.C., and also teaches a forest technology program developed by the Chilliwack School District in co-operation with the Ministry of Education, the B.C. Institute of Technology and members of the local forest industry.

Janzen is author of "Your Log House - The On-Site Manual for the Do-It-Yourselfer". This book is intended to guide the reader through each step of the building with a real hands-on intensity.

LABRE

LABRE LOG HOMES
P.O. BOX 341
CHALK RIVER, ONTARIO
K0J 1J0
TEL: (613) 589-2828
ROBERT LABRE
PRESIDENT

Labre Log Homes builds handcrafted solid timber buildings in the traditional Scandinavian full-scribe style. Its products are marketed in all the provinces of Canada & U.S.A.

Founded in 1982, Labre uses red and white pine logs with butt diameters ranging from 12" to 18". They are carefully selected for straightness, soundness, lack of flaring and size. They are cut in the winter and handpeeled. Logs may be up to 45' in length.

Corners are round notched or cut with a shrink-to-fit notch. Labre keeps a three to four foot overhang along the sides of the house and a four to five foot overhang at the gable ends. A settling allowance of 1/2" to 3/4" per foot of wall height is made at all doors, windows and junctions of interior stud walls.

The price range is \$26 to \$32 per sq. ft. depending on structural and design choice. Most customers tend to ask for a 1,500 sq. ft. home with three bedrooms and two baths.

Member: Canadian Log Builders Association.

Standard Package: Wall logs, pre-drilling for electricity, installation of buyers' doors and windows, blueprints, on-site assistance, insulation, second floor joists and log roof system, if requested by the owner.

Options: Windows, doors, sub-flooring, finish floor, roof, double roof, shingles, shakes, gasketing, roof insulation, floor insulation, log stairs and railings, first floor joists, interior and exterior trim, porch materials, preservative and log partitions.

LEATHERWOOD LOG HOMES LTD.**LEATHERWOOD LOG HOMES LTD.****R.R. #1, COMP. #9****MARA, BRITISH COLUMBIA****VOE 2K0****TEL: (604) 838-6600****FAX: (604) 838-6600****THOMAS JACKSON****PRESIDENT**

As a boy growing up in the Muskoka Lakes area of Ontario, Thomas Jackson developed a keen interest in the many timber frame and log buildings that were situated throughout the area. In 1975, he moved to B.C. in order to take the first course that was offered at the B. Allan Mackle school of Log Building after which he devoted his career to the Log Building Industry. Leatherwood Log Homes was incorporated in 1980 and has its manufacturing yard set up in the North Okanagan/Shuswap Lake area of British Columbia. The company often constructs simple residential homes but is well noted for their many large and/or complex commercial structures. These very unique handcrafted natural log structures are constructed using State-of-the-Art Techniques, ensuring the utmost quality is employed throughout and that the structural integrity and tight joinery remains intact during the drying/settling period and for many decades to follow. Log work is basically hand peeled, scribe fitted construction using a compression fit saddle notch and very shallow coped lateral groove. Expanding foam is used internally. Note: Most other types of handcrafted log construction methods have been previously practised and can be employed expertly upon request. The Company is also well versed in Timber Frame Construction. Old growth, winter cut Spruce, Pine, Douglas Fir and Western Red Cedar are readily available. In addition, Yellow Cedar is available upon request. These logs are hand-peeled, treated and then air dried before being fitted.

Leatherwood began exporting in 1985 with their first building going to Alaska, U.S.A. Since then, they have constructed log buildings for export throughout the United States, Europe, Japan and into Korea.

Leatherwood has constructed several turn-key projects over the years and offers a complete range of finishing components and expertise to complement their structures and assist their clientele in finishing their new log building.

LOG STRUCTURES & DESIGNS BY DOUGLAS LUKIAN

**LOG STRUCTURES & DESIGNS
BY DOUGLAS LUKIAN
P.O. BOX 501
MORIN HEIGHTS, QUEBEC
J0R 1H0
TEL: (514) 226-8558
DOUGLAS LUKIAN
PRESIDENT**

Log Structures & Designs by Douglas Lukian builds with Scandinavian round notch, pièce-en-pièce, and large posts and beam techniques.

Lukian's most recent projects have included Japanese-style joinery, post and beam construction and even landscaping. He has acted as a consultant on several owner-built projects, especially when roof structures are involved. Lukian is acknowledged as a master craftsman at roof structures - he is available to design and build elaborate roof structures for other log home companies.

He says: "Roofs are the art of building. Once you've put up a real roof, it's the roof you look at from then on - not the walls."

Known for using large logs, Lukian's own home is no exception - the main posts are at least 24" in diameter.

Some of the features common to Lukian's homes are maple posts, cherry wood beam ceilings and red pine poles and pulins.

Log Structures and Designs has been operating now for more than a decade. Lukian started building log houses in Prince George, B.C., after taking a course from B. Allan Mackie. After that, he moved to St. Sauveur, Quebec, 40 miles north of Montreal. The St. Sauveur area has supported other innovative log builders, Lukian says. "These are people like Victor Nymark (who built the Chateau Montebello), Bluns of Morin Heights and Pagé of St. Emile."

LUSSIER LOG HOMES

LUSSIER LOG HOMES
R.R. #3, CENTENNIAL DRIVE
TERRACE, BRITISH COLUMBIA
V8G 4R6
TEL: (604) 635-7400
PIERRE LUSSIER
PRESIDENT

Lussier Log Homes Ltd. has been involved with log building since 1980. Based in Terrace, B.C., we selectively harvest winter cut logs such as cedar, spruce, pine and hemlock. Using trees between 14" to 18" at the butt, we carefully "scribe fit" every log using the round, saddle or dovetail notch. Walls are "through-bolted" for increased stability. Lateral grooves are filled with strips of insulation.

Pièce-en-pièce and timber framing are also available. We offer design and drafting services to our customers.

Once prefabbed, the log structure can be dismantled and shipped anywhere, to be re-erected by our crew, or we can build on site. Customers can contract us to any stage of completion. In 1989, we built and totally finished and furnished a fishing resort here in Terrace; which consists of 4 log cabins for guests and a main lodge, worth approximately \$300,000.

Our prices vary from around \$15 per sq. ft. for the log structure, to \$72 per sq. ft. for a finished home.

Standard Package: Insulated log walls 9'6" high, log floor joist or beams, log roof system, upstairs sundeck, through-bolts, re-assembly of structure, pre-drilled for wiring, logs sprayed with Cetol 1.

Options: Windows and doors, cedar trims, blueprints, log stairs, log trusses, roofing materials.

MAISONS EN BOIS ROND SAGA

MAISONS EN BOIS ROND SAGA
LAC SAGUAY, QUEBEC
J0W 1L0
TEL: (819) 278-4287
ANDRE JULIEN
PRESIDENT

Maisons en Bois Rond Saga is a handcrafted log home company that builds for customers in the traditional Scandinavian full-scribe log style.

The company works with red pine, fir and spruce logs, cut in the winter and hand selected for soundness, size, grain and straightness. They range in size from 14" to 20" at the butts and tops are never less than 10" to guarantee minimal taper. Surfaces are hand peeled with a drawknife for a distinctive appearance.

Working in the traditional full-scribe method involves hand shaping a lateral groove along the underside of a log its full length so it will follow the contours of the log underneath it in the wall. Corners are also hand measured and cut in a modified saddle notch. The corners and the lateral grooves are filled with fiberglass batt insulation to form a barrier against air infiltration. Top logs are pegged with wooden dowels for lateral stability.

The company pre-builds all of its homes at the company work site, numbers the logs, disassembles the package and then ships it to the owner's waiting foundation where a company crew reassembles the log work. Advice for finishing contractors is available free of charge and on-site consultation can be negotiated. Occasionally, Maisons en Bois Rond Saga will take a residence to complete turnkey status.

All log houses are fully adjusted for settling using proven, traditional handcrafted techniques. For example, window and door openings are grooved to accept a wooden key which, in turn, is attached to the window and door frames. Thus, the log walls are allowed to move downwards naturally as shrinkage and compaction take place. The logs slide along this key without damaging or "hanging up" on the vertical frame members. Interior partition walls have double plates with a 3" to 4" space at the top which is covered with trim. Studs that intersect with log walls are mortised in and attached with sliding bolts. Staircases, vertical posts, cabinetry, etc., all have settling devices such as screwjacks or sliding nailers.

Roof overhang average 3'-4' along the sides and 4' or more at the gable ends.

The company has sold homes in Quebec, Ontario and the New England states. It built three large structures in 1989, 12 since the company began operations. All plans are custom designs.

"We have designed most of our projects, but we are open to client produced and architect drawn plans," says company president Andre Julien.

Standard Package: Wall logs pre-cut and notched, log trusses, log rafters, insulation, hand-peeling of logs, high pressure washing of logs upon completion of the building project, sanding of log ends, second floor joists and assistance for the home buyer and his finishing contractor.

Options: Blueprints, windows, interior and exterior doors, log stairs and railings, log partitions walls, log dormers and prefab trusses.

MAISONS JACQUES LARIVIERE

**MAISONS JACQUES LARIVIERE INC.
P.O. BOX 1657
ST. JOVITE, QUEBEC
J0T 2H0
TEL: (819) 425-2535
FAX: (819) 425-9496
JACQUES LARIVIERE
PRESIDENT**

In the early 1970s, Jacques Larivière learned how to build handcrafted log structures under the tutelage of B. Allan Mackie in British Columbia. Now, many Quebec log builders have learned their trade from Larivière.

Larivière has built 75 homes since he began his company in Quebec in 1976 and he plans to build 15 more in 1989. One of his projects is the "La Forêt Noire", a log home development on a 17-acre spruce plantation in St. Jovite. The land has been divided into 23 single-family lots with a large section of the plantation maintained as a park. Four log homes have been built since the project was started two years ago. Along with log homes, Larivière has also built log lodges and government contract buildings.

In his log yard, Larivière handcrafts his log structures from spruce, red pine or white pine measuring from 16" to 20" at the butt ends. He builds in the Scandinavian full-scribe method of log construction with saddle notch corners. The company offers a custom design service and will hand-draw the plans in-house. Customers can purchase the log shell or, in some cases, a turnkey log home. Larivière also can construct a complete timberframe home.

The company does not treat the logs, but, if the customer wishes to apply a preservative, Larivière recommends Sikken's Cetol. A half-inch per foot of wall height is left above windows and doors to account for settling. Settling adjustments are also made at vertical posts and where partition walls butt into log walls. Larivière provides a 3' roof overhang at both the eaves and gable ends.

In 1983, the magazine Les Maisons du Québec did a colourful, 7-page article on Larivière and his log homes. The response was so great the magazine did a second article to answer reader questions.

Standard Package: Logs, log trusses, log rafters, interior and exterior trim, sub-flooring, flashing, blueprints and on-site assistance.

Options: Log siding, log gables, windows, exterior and interior doors, shakes, shingles, roof, double roof, caulk, spikes, lag-bolts, through-bolts, gasketing, roof insulation, wall insulation, log stairs and railings, first and second floor joists, log dormers, preservative, porch materials, log partitions and skylights.

McMAHAN

McMAHAN LOG HOMES
P.O. BOX 1468
SALMON ARM, BRITISH COLUMBIA
V1E 4P6
TEL: (604) 832-8277
FAX: (604) 832-5260
MR. CHARLIE McMAHAN
PRESIDENT

McMahan Log Homes specializes in handcrafted log construction and can supply the log work for a standard package only or build homes and cottages to any stage of completion that the customer desires. Its products are sold across the United States and Canada, however, most of the company's custom log packages are being shipped overseas to Japan.

McMahan specializes in handcrafted amenities such as log stairs, log railings and full log trusses. All work is produced at the company's worksite near Salmon Arm, British Columbia.

Quality fir, pine, larch or cedar logs are selectively harvested. They usually range from 14" to 18" on the butt ends and 10" at the tops. Only one species is used in wall construction and all logs are of relatively the same moisture content to ensure consistent shrinkage throughout the structure. The logs are handpeeled and treated by Sikkens Cetol and/or Busan to maintain the natural, light colour of the wood.

Logs are then scribed and notched by hand using the Scandinavian full-scribe method. Each log fits tightly to the contours of the course beneath it in the wall. The full lengths of the groove is packed with strips of insulation and/or backer rod to provide a weather seal. Although the Swedish cope method is the one most often employed by the company, McMahan logcrafters are skilled at a variety of handcrafted log styles and can provide customers with various wall profiles and notch types. Where necessary, logs are planed flat on one side in order to receive milled lumber and they are drilled to accept electrical wiring. Proper settling is achieved with the use of keyways at window and door openings, screw jacks under vertical posts and allowances for interior partition walls. Roof overhang is three feet along the sides and four to eight feet at the gable ends. There are no splices at mid-wall.

The log packages are individually numbered piece by piece, disassembled and transported to the owner's building site for reassembly, a process that generally averages one or two days.

Costs vary according to the number of lineal feet of logs in the wall, the number of notches made and the complexity of the roof design. But most log packages average \$30,000 in Canadian funds. All homes are custom designed. The company works with the owner's architect to develop the blueprints.

A colour brochure is available for \$6.

MOOSE MOUNTAIN

MOOSE MOUNTAIN LOG HOMES
P.O. BOX 26
BRAGG CREEK, ALBERTA
TOL OKO
TEL: (403) 932-3992
FAX: (403) 949-2382
LLOYD BECKEDORF, PRESIDENT

Moose Mountain Log Homes has been creating custom handbuilt log structures since 1978.

It is not uncommon for Moose Mountain Log Homes to work with timbers up to three feet in diameter or with lengths as long as 100 feet, but only a few logs in the sizes required meet the strict guidelines of straightness, taper, trueness of grain and moisture content.

Company president Lloyd Beckedorf has been the president of the Canadian Log Builders Association and a director for the B. Allan Mackie School of Log Building. In the last decade Lloyd has used over 20 systems of log joinery before developing the shrink-fit saddle notch and double scribe lateral groove (patent pending throughout North America and parts of Europe). Refer to the Fall Issue of the Log Home Guide, 1986. This system of joinery allows Moose Mountain to not only offer the usual structural warranties but probably the only Air Leakage Warranty in the log home industry.

At a lesser cost Moose Mountain also offers full scribe log work such as the Scandinavian variations of covered v-grooves or chinked walls and saddle, dovetailed, round notched or pièce-en-pièce corner details.

Double scribe walls are insulated with two continuous lengths of foam rope in the upper grooves and fiberglass insulation between them in the lower groove. Full scribe systems use fiberglass alone.

Standard on the shrink-fit saddle notch is an internal foam barrier of Emseal Expanding Tape. This can also be requested in the other corner details in conjunction with the usual fiberglass insulation.

Moose Mountain Log Homes, as a member of Natural Log Structures (NLS) Developments of Canada Ltd., a consortium of six "Handhewn" log building companies, is actively exporting log homes to Europe, Japan and all parts of North America. According to the Company, almost anything the buyer can dream up, they can deliver.

Shell prices have remained stable for several years, from \$15 per sq. ft. to \$30 per sq. ft. (Canadian), depending on design and joinery.

Numerous finishes can be applied, such as Sikkens Cetol or Fargo naturall depending on owner preference. Necessary pinning and through-bolting is provided and electrical receptacles are notched out and drilled as standard Moose Mountain procedure.

Many parts of Southern Alberta can take advantage of total reassembly costs including delivery and crane time as part of the contract price.

MORGAN

MORGAN LOG HOMES
C 8, R.R. #2
UNION BAR
HOPE, BRITISH COLUMBIA
VOX 1L0
TEL: (604) 869-2181
FAX: (604) 869-7351
FORD MORGAN
PRESIDENT

Morgan Log Homes has been building quality handcrafted log homes since 1975.

Winter cut air dried douglas fir logs between 12" and 18" diameter are most commonly used although cedar, pine, and spruce are also available depending on customer preference.

Morgan Log Homes prebuilds most log work on the company's construction yard a few miles west of Hope, B.C. on hwy. #1.

First the logs are handpeeled using a drawknife. Then using the "full scribe" method of building each log is carefully scribed, notched and set into place by a craftsman using only a chainsaw and a few hand tools (this method of building eliminates the need for "chinking" of logs). When logwork is completed all logs are number coded then the "log shell" is dismantled and transported to an owner's site where it is re-assembled on a foundation. From start to finish a log shell takes from 5 to 8 weeks. Although most work is done in their yard, Morgan Log Homes will also build on a customer's site when requested to. They offer services from planning and designing a home to a completely finished "turnkey" log home.

For owner builders wanting to design and draft their own plans, Morgan Log Homes provides a free consulting service.

Standard Package: Log walls, log ceiling beams, log roof beams, framed gables, log posts, log balconies, window and door keyways cut, log ends curved or cut to any style, grooves cut for loft decking, electrical boxes holes cut, logs drilled for wiring, logs notched for interior frame partition walls.

Options: Log trusses, log stairs, log railings, log dormers, log gable ends, and log porches.

PAT MURPHY

PAT MURPHY CONSTRUCTION
BOX 774
MINDEN, ONTARIO
K0M 2K0
TEL: (705) 286-3305
PATRICK MURPHY
PRESIDENT

Specialists in heavy timber design and construction, Pat Murphy and his crew build custom designed, energy efficient dwellings, featuring traditional craftsmanship.

Murphy has a broad background in construction, having worked as a logbuilder, cabinet maker, and general contractor. He does his own design work to produce fully engineered plans, which can include handcrafted logwork, post and beam construction and the latest in modern interiors and products. He has constructed passive and active solar homes, cottages, chalets, log camps, commercial buildings, and other structures, featuring Scandinavian full-scribe saddle notch, scribed dovetail, pièce-en-pièce, hewn dovetail, and traditional timber framed construction styles.

Murphy and his crew buy and cut, standing timber. Handpeeled and air-dried logs are available up to 60' long and 24" in diameter.

Murphy fits the logs in his Minden, Ontario yard, then disassembles the building and re-erects it at the customer's site. Scribe fit homes utilize 14-inch average diameter logs, with roof overhang of three or more at the sides and four feet plus over the gables. Lateral grooves are insulated to prevent air leakage.

Contracts can be made to build anything from a basic log shell to a turnkey log home. A basic log shell package would consist of all log components of the building including log walls, second floor joists and a roof system of either truss or post and purlin design. Also included are pre-cutting of window and door openings and keyways, pre-drilling for electrical wiring, smoothing of all log ends and knots, and erection of the building on the owner's prepared site.

Murphy's most popular model is a 1,800 square foot three-bedroom home with a storey-and-a-half. However, his "specialty" is the larger, more elaborate log home.

Pat Murphy and his crew have also been involved in log restoration work, including historical reconstruction for museums, in Eastern Canada.

NEW AGE LOG HOMES

**NEW AGE LOG HOMES
P.O. BOX 364
FERNIE, BRITISH COLUMBIA
VOB 1M0
TEL: (604) 423-7932
ROD PENDLEBURY
PRESIDENT**

New Age Log Homes is a new companies which produces hand-crafted log homes under the direct supervision of company president Rod Pendlebury, who has been log building since 1977. Specializing in custom designed homes and resort lodges, they produce innovative structures which incorporate the latest techniques of the hand-crafted log homes industry with the quality, integrity and service traditionally associated with the craft.

The logs for New Age structures are carefully selected from the forests of southeastern British Columbia, an excellent growing area combining high annual precipitation with long hours of sunlight. A variety of species are available including lodgepole pine, spruce, fir and western larch (or tamarack), and during the winter months are selectively logged, allowing the remaining trees to grow to maturity. Only a small percentage of any given stand of timber will yield high quality building logs which are straight grained and sound, uniform in size (typically 14" average diameter) with minimal taper and few branches. The logs are carefully stacked in the yard to air dry for at least 6 months before they are hand peeled, the knots sanded and the prepared logs treated with Seasonite to inhibit mildew formation and to ensure slower curing during the building process.

Each log is then hand-scribed and precisely fitted using the shrink-to-fit saddle (or Norwegian wedge) notch and a kerf is cut along the top to isolate checking. The square (or double-scribed) notch is used for all load-bearing beams such as floor joists and roof beams which provides the proper flat bearing surface. The log walls are pre-drilled to accept electrical boxes and wiring and slotted to accept interior frame walls. Window and door openings are precisely cut to allow for settlement, with key ways to accept 2" X 6" splines, the logs rabbetted inside and out for casings, then bevelled. All exposed surfaces such as sills, lintels, bevels and log ends are sanded, and the entire structure is pressure-washed and treated with at least one coat of the customer's preferred finish (usually Sikkens) prior to delivery. During re-assembly, the lateral grooves and notches are sealed using fiberglass insulation and the logs are extensively dowelled using one 1-1/4" wooden dowells to prevent logs from rolling or twisting out of place.

New Age Log Homes' Log builders take exceptional pride in skillfully crafting custom features such as curved or corbelled archways and log ends, log railings and staircases, or massive log roof trusses. The company also provides a design service which can transform customers' ideas and sketches into full construction blueprints. From their 5 acre construction yard equipped with a "hammerhead" crane and two truck-mounted cranes, they are capable of constructing several structures at one time, ranging from the humble cottage to an impressive chateau, and shipping them virtually anywhere. Recent projects include the 3,000 sq. ft. Island Lake Lodge, a 3,200 sq. ft., two-storey country home, and several ski chalets at local resorts.

NORSE LOG HOMES LTD.

**NORSE LOG HOMES LTD.
BOX 99
7411 NORTH ISLAND HIGHWAY
LANTZVILLE, BRITISH COLUMBIA
V0R 2H0
TEL: (604) 390-3344
FAX: (604) 390-4453
JOHN DAHLE
PRESIDENT**

As its name implies, Norse Log Homes Ltd. is a handhewn company that specializes in traditional Scandinavian full-scribe log buildings.

Select West Coast-grown fir and cedar logs with an average butt diameter of 12" to 16" are the favourite choice of the company. Tops are a minimum of 9" and lengths are up to 60'. Logs are handpeeled with a drawknife. Then a lateral groove is scribed the length of the log. Round and Norwegian saddle notches are used. The logs are treated with Sikken's Cetol preservative.

Norse Log Homes prebuilds the log work at its own two-acre construction site. The logs are numbered, disassembled and transported by truck to the owner's building site. There the shell is erected on the awaiting foundation.

Alignment rods are utilized in the walls and the company has an optical bolt and spring system which keeps at least 2,000 lbs. of pressure on the logs as they season. This helps the timbers maintain their original shapes.

Three alternatives in log home construction are available. A turnkey home is one completely finished and ready for occupancy. Depending upon such factors as site location, design complexity and interior finishing demands, the prices range from \$37 per sq. ft. to \$50 per sq. ft.

Log work only is a popular option. All logs are notched and scribed in the construction yard and re-erected upon the owner's sub-floor. Door and window openings are cut, logs are prepared for roof framing, and gable ends are installed if this option is applicable. Costs for this level of work range from \$10 to \$17 per sq. ft.

A step above this but less than a turnkey project is what Norse Log Homes calls "Phase II Lock Up". This is very popular for summer and retirement homes. It is similar to turnkey with the omission of plumbing, wiring, heating, carpets, cabinets, partition walls and ceiling finish. The owner may then add finishing touches as he or she so desires. Cost is normally \$25 to \$35 per sq. ft.

The company offers a plans book for \$2 showing eight basic designs, however, custom plans are used by most buyers. The most popular model is a customized 1,858 sq. ft. home with loft and three bedrooms.

Since the company got under way in 1984, it has built about 56 homes. Norse Log Homes markets primarily in Western Canada and the Northwestern United States. In the near future, the company says it will be exporting log shells to Japan.

NORTHERN COMFORT LOG HOMES

NORTHERN COMFORT LOG HOMES
R.R. #1, CHIMO ROAD
SOUTH GILLIES, ONTARIO
POT 2V0
TEL: (807) 475-7349
FAX: (807) 475-0707
BRIAN NYBERG
PRESIDENT

Northern Comfort Log Homes was founded in 1987 but its founder and president Brian Nyberg has fifteen years of experience building with solid timber.

The company produces three basic styles of log houses: the Scandinavian full-scribe, traditional dovetail and complete timber frame. White pine and red pine are the wood species of choice. Logs range in size from 16" to 24" across the butts with 10" to 12" tops. Lengths are up to 60'.

The bark is handpeeled and the timbers are then treated with Ecobrite by Diachem. After the house is up, Northern Comfort advises its customers to treat the surface of the logs with Sikksens. As additional protection against water damage, the company leaves a 3' minimum roof overhang along the sides. At the gables, roof overhang is a 4' minimum, although it is usually 6' to 8'.

Northern Comfort allows 3/4" of settling per foot of vertical log wall height. There are no butt joints. Lateral grooves are sealed by careful fitting and fiberglass insulation layed into the cavity. Whenever spikes are used, they are predrilled and countersunk for settling. On unsupported walls an alignment rod is set 1' back from openings such as an archway.

The company markets its products primarily in Canada, United States, Japan and Ireland. Log packages are available and we are presently working on having complete turnkey homes. Northern Comfort prefers to prebuild the log shell in its construction yard, then disassemble the package, transport it to the owner's building site and re-erect the home on the owner's foundation.

The company has a custom design service which offers flexibility in using standard floor plans or developing designs to suit the customer's personal requirements. A plan book is forthcoming. A brochure is available for \$5.00.

Member: Canadian Log Builders Association.

Standard Shell: White or red pine log walls, second storey floor joists, precutting for doors and windows, predrilling for electrical wiring and plumbing, non-toxic wood preservative and standard roof support system.

Options: White pine timber frames for doors and windows, log or timber floor joists, handcarved trusses and/or post and purlin roof support system, log or frame gable ends or timber stairs, foam or fiberglass insulation, ornamental log railings, themes in your home through the application of wood carvings and blueprint services.

ORIGINAL

ORIGINAL LOG HOMES LTD.
P.O. BOX 1301
100 MILE HOUSE, BRITISH COLUMBIA
V0K 2E0
TEL: (604) 395-3868
FAX: (604) 395-2750
BRIAN GARDNER
PRESIDENT

Original Log Homes has been custom handcrafting quality log homes and commercial buildings since 1967, making it one of the oldest contemporary log home companies. Since that time, the company has delivered and erected log buildings throughout Canada, the United States and Europe. It has also begun marketing in Japan.

During the winter, when sap is low, "old growth" Englemann spruce, pine, fir and cedar are harvested from the dry belt of British Columbia. They are selected for size and straightness, minimum taper and grain spiral and minimum number of limbs. These logs have an average mean diameter of between 12" and 20". Lengths may be 50' or 55'.

After a period of air drying, bark is stripped with a drawknife and the timbers are then scribe-fitted in the Scandinavian tradition using axes, chainsaws and chisels. The Norwegian saddle notch, and the wedge notch may be used at the corners. All log work is done in the construction yard and then the home is taken apart and shipped to the homeowner's building site for re-erection. The reconstruction process usually takes one to two days depending upon the size of the home and the nature of the site.

Lateral grooves and notches are filled with fibreglass insulation. Standard overhang on the eaves is 3' and 4' to 12' along the gable ends. All exposed log ends are curled, sanded and chamfered and window and door openings are cut out and keys for setting.

Log staircases (mortise and tenon construction), log handrails and pockets, structural and decorative log trusses, beams, posts and other log accessories are also available.

Original Log Homes is a custom builder. Company officials say that it is capable of building chinked log houses with dovetail notches or any style of log construction.

The average cost of the log shell, erected, is approximately \$10 or \$12 per sq. ft. Turnkey project costs are comparable to custom stick-built homes.

The Original Log Homes have on staff a designer/draftsman who can put a customer's ideas onto blueprints. The company also has a plans book with 25 standard models available for \$4. A brochure is free.

Standard Package: Spikes, log partitions, floor joists, log stairs, log railings, blueprints, log rafters, on-site assistance, through-bolts and wall logs.

PACIFIC

**PACIFIC LOG HOMES LTD.
BOX 80868
BURNABY, BRITISH COLUMBIA
V5H 3Y1
TEL: (604) 524-1577
FAX: (604) 526-9485
JIM CARMICHAEL
PRESIDENT**

Founded in 1976, Pacific Log Homes provides the log work for handcrafted, custom designed log homes across Canada and the U.S., as well as to Japan and the Pacific regions. The company expects to build 50 log homes in 1988.

Pacific recently erected an 8,000 square foot hotel, called the Frontier Lodge, in Clinton, B.C. and the 10,000 square foot Tyaughton Wilderness Lodge at Tyax Lake, B.C., both in Canada. Pacific has also built a 3,500 square foot golf and country club-house, log restaurants, and office buildings.

Well seasoned, handpeeled spruce or pine logs from between 12" and 16" in diameter are used. Each log is scribed and cut to fit the one below. A tight fitting "wedge" notch is used on the corners and no caulking is necessary, according to Pacific.

Shrinkage allowance for interior frame walls is provided for with a screw jack for adjustment. Grooves are cut in log walls to receive interior finishing materials.

The roof overhang is 2' at the sides and generally 4' at the peak of the gable ends. Exposed, rounded or squared ceiling beams are popular in Pacific's homes.

A stain is recommended for the exterior to deflect ultraviolet rays and thus prevent bleaching. Inside, Pacific recommends that a clear tungseal oil be applied.

The log shell of each home is prebuilt within six to eight weeks at the Company's five-acre site at 100 Mile House, B.C. Two permanently mounted electric 82 ft. overhead hammer-head cranes provide for efficient handling of logs and enable Pacific to work on 10 to 12 buildings at a time. After the shell is completed, the logs are numbered and transported to the customer's site and reassembled. Usually, re-erection takes one day.

The average price of Pacific Log Homes' shell kit is \$20,000. The most popular stock model is the "427" which is also known as the "Sweet" home. It was featured on the cover of the Summer 1982 Log Home Guide.

Says owner and president Jim Carmichael: "We have about 20 models to illustrate what can be done with log houses. In our ten years plus of building, very few homes had the same floor plan. People have their own ideas and desires and we can give them the design of home, that they want. Generally, we find that we're asked to provide three things - an open loft, a log stairway to the loft and a big rock or brick fireplace!" Carmichael says the company has shipped homes as far east as Ontario in Canada and to almost every state in the U.S.A. Code approval has come from the Canada Mortgage and Housing Corporation (CMHC) and the National Building Code (NBC).

LARRY PARKER

LARRY PARKER LOG CONSTRUCTION LTD.
15 DEER RUN COURT
RICHMOND HILL, ONTARIO
L4E 1A2
TEL: (416) 737-6666
FAX: (416) 770-5500
LARRY PARKER
PRESIDENT

Larry Parker Log Construction Ltd. is a Canadian company which designs quality handcrafted log homes and offers a complete range of services. This includes custom design consultation, working drawing preparation, production of the log shell, reassembly on the customer's site, subtrade consultation and interior decorating consultation.

Parker has 12 years of experience building in the Scandinavian full-scribe style of log construction. He also builds handcrafted dovetail log buildings with chinking between the courses. Parker fashions all sizes and types of buildings from small, rustic retreats or large urban or semi-urban dwellings with every modern convenience. He markets his products across the United States and Canada. Since Parker began operations in 1975 he has built about 65 log homes.

Red and white pine logs are selected which have average diameters of 14" and no smaller than 12" tops. The need for chinking in a scribed log home is eliminated by an air-tight fit, says Parker. He generally recommends and designs into his plans some interior frame walls which can be painted or wallpapered to contrast with the exterior log walls. Interior log walls are also available. Corners are saddle notched.

The logs, which come from northern Ontario, are handpeeled, leaving a smooth clean finish and are preservative treated with pentachlorophenol/zinc naphthenate. All log work is done at Parker's building site located about 45 minutes east of Toronto. Reassembly by Parker's crew takes about two days. Homes can be delivered anywhere. The company's designs conform to Canadian building code regulations.

Parker supervises all stages of the building project, including preconstruction on the assembly site and the re-erection process on the owner's foundation. He also acts as a designer and consultant.

A Parker building has won an award of honour in the Log Structure - Residual/Handhewn category of Log Home and Alternative Housing Builder's design competition.

Log shells average \$35 per sq. ft. and complete turnkey homes average \$95 per sq. ft.

A catalogue is available for \$6.

Member: Canadian Log Builders Association, Ontario Log Builders Association.

Log Shell Package: Design consultation, log walls, second storey floor joists, ceiling beams, heavy timber roof trusses, exterior doors, windows, (double-glazed casement), predrilling for electrical wiring, three sets of blueprints, delivery and reassembly, subtrade consultation and interior decorating consultation.

PIONEER LOGS LTD.

PIONEER LOGS LTD.
R.R. #2
SINGHAMPTON, ONTARIO
NOC 1MO
TEL: (519) 992-2836 AND (705) 445-0923
IAN MCKAY, PRESIDENT
BRIAN CHRISTIE, VICE-PRESIDENT

Pioneer Logs Ltd., began in 1978 with partners Ian McKay and Brian Christie. Today the company sells about 13 to 15 log homes a year to customers in eastern Canada and the northeastern U.S. but will deliver anywhere.

All log houses from Pioneer are made from eastern white pine logs, and have dovetailed corner joints. The final appearance, according to the company, is identical to the pioneer log houses common in Ontario and Quebec at the turn of the century.

The logwork is completed at Pioneer's assembly area on the Niagara escarpment near Collingwood, Ontario. Here the logs are sawn and then adzed to achieve a broadaxing effect. The logs are then left to season before dovetailing to a particular plan. The final log walls are 8" or 10" thick, with an average face of 16".

If a new appearance is desired for both the inside and outside, the adzing is left until the logs are ready for final assembly.

Since the logs are full lengths (up to 40' logs), there is no butting required. A urethane expansion foam is used between the logs. Vertical rods, 3" in length, are driven through the top three courses and at corners. For exterior chinking, wire mesh and brick mortar cover are used. For interior chinking, the company employs wire mesh with Perlite cover. Synthetic sealants may also be used.

Pioneer's assembly area is located close to what the company claims is the largest collection of log houses in Canada. Customers are encouraged to visit the area to see the collection, to see Pioneer's work firsthand, and to take an in-depth look at the company's working drawings.

Pioneer's plans were chosen for their traditional design. Complete architectural drawings are available for each of the models. The elevations are of two basic types. Rural Ontario and French (the Rural Ontario is the most popular). The designs are particularly suitable for building with logs as they can be built in stages, with one or more of the additions being added at any time. Pioneer has added two new designs this year: "The Colonial", a Cape Code style home, and "The Governor", a full 2-storey model. Elevations of all designs and suggested floor plans are available in Pioneer's new full color brochure (cost \$5).

The log walls are priced on a general cost of \$15.60 (Canadian) per sq. ft. for an 8" wall set and \$17.20 per sq. ft. for a 10" wall set. The exact clor frame walls which can be painted or wallpapered to contrast with the exterior log walls. Interior log walls are also available. Corners are saddle notched. The logs, which come from northern Ontario, are handpeeled, leaving a smooth clean finish and are preservative treated with pentachlorapenol/zinc naphthenate. All log work is done at Parker's building site located about 45 minutes east of Toronto. Reassembly by Parker's crew takes about two days. Homes can be delivered anywhere. The company's designs conform to Canadian building code regulations.

Parker supervises all stages of the building project, including preconstruction on the assembly site and the re-erection process on the owner's foundation. He also acts as a designer and consultant. A Parker building has won an award of honour in the Log Structure - Residual/Handhewn category of Log Home and Alternative Housing Builder's design competition.

Log shells averost may vary when the number and size of openings in the design are taken into account. Included in the logwork costs is the assembly of the logs on the purchaser's site and also the cutting of all window and door openings.

PIONEER LOGS LTD. (CONT'D)

In addition, Pioneer has a package price for the balance of enclosure materials. If the customer desires a second-floor beamed ceiling, there is an additional cost of \$9.25 (Canadian) per linear foot for installed 6" x 10" dried pine beams. Pioneer offers a 10-year warranty on its homes. A plans book showing 7 models is available for \$5.

Standard Package: Wall logs, assembly on purchaser's site, cutting and framing of all window and door openings.

Options: Enclosure materials, second-floor beamed ceilings, windows, doors, shakes, shingles, insulation, interior and exterior trim, log interior partitions.

PONTIAC

PONTIAC LOG HOMES
R.R. #3
WAKEFIELD, QUEBEC
J0X 3G0
TEL: (819) 827-0722
FAX: (819) 827-0722
RICHARD LAUZON
PRESIDENT

Pontiac Log Homes opened its doors in January, 1986 to offer handhewn log homes to clients in Quebec, Ontario and the New England states.

The company hires graduates of the B. Allan Mackie Log Building School in British Columbia. Pontiac the company opened its doors. They have ranged in price from \$12,000 to \$135,000 for the log shell. Customers appear to like a 3,400 sq. ft. home with three bedrooms and two baths. The average price per sq. ft. for a log home from Pontiac is \$65.

The company will build a complete or shell kit or a turnkey log home. Homes are pre-built in the company's log yard and then reassembled on the owner's foundation.

Standard Package: Wall logs, spikes, lag bolts, wall insulation, log trusses, second floor joists, interior and exterior trim, preservative and on-site assistance for the owner.

Options: Windows, doors, sub-flooring, finish flooring, roof, double roof, shingles, shakes, caulk, gasketing, roof insulation, floor insulation, log stairs and railings, first floor joists, porch materials, blueprints and partitions.

RADOMSKE LOG HOMES

**RADOMSKE LOG HOMES LTD.
R.R. #5, S-131, C-9, PHILPOTT ROAD
KELOWNA, BRITISH COLUMBIA
V1X 4K4
TEL: (604) 765-5166
FAX: (604) 765-5166**

Radomske Log Homes is located 30 km. from Kelowna, B.C. The Radomske Log Home is constructed using a system developed over the past eight years by Del Radomske. These advanced techniques used to describe the notching and lateral methods are known as the Radomske 4 point saddle notch in combination with a shrink to fit lateral (over-scribing). The system ensures lasting tightness of notches and laterals. Homes are constructed using green to semi-green logs, logs are B.C. Interior fir, larch, spruce and occasionally pine. The company specializes in "log building" and therefore does log work only. Logs with an average butt diameter of 15" are peeled and given a coat of a mineral spirit based preservative, to hold the woods colour and prevent mildew growth during construction. Wall logs are kerf cut and hardwood wedges pounded in to localize checking of the log; all door and window openings are cut, trimmed and sanded; partition slots are cut and trimmed; electrical holes are all pre-drilled, and electrical receptacles are cut, trimmed, and sanded; exterior corner work is flared, trimmed and sanded; wooden dowelling is used where necessary; roof systems used are: log trusses, log post and purlin, and log gables. Other options are archways and variations, posted windows, log stairs, and log railings and balconies, etc. The building is then dismantled and ready to be shipped. The cost of trucking or shipping, and crane re-assembly is extra.

The company also offers a less expensive round notch building, the methods have been modified somewhat to help reduce the gapping of the logs when they have shrunk.

Logwork price is determined by the amount of logwork in the plan, not by the square foot. The company has some standard plans, but much of the work is custom orders.

Radomske Log Homes has been building since 1975, and has been exporting to Japan for the past 3 years. We are now looking towards a market in Germany and Korea.

Outdoor Magazine in Japan recently printed a 24 page article on the development of the Radomske 4 point saddle, and the next 3 issues of the magazine will continue with articles on the subject.

A division of Radomske Log Homes Ltd. is Okanagan School of Log Building, where interested people can take a comprehensive course on log building. Del has taught courses here in Canada, U.S., Japan and New Zealand.

RASMUSSEN

**RASMUSSEN LOG HOMES LTD.
P.O. BOX 485, WEYERHAUSER MILL ROAD
OKANAGAN FALLS, BRITISH COLUMBIA
V0H 1R0
TEL: (604) 497-5155
FAX: (604) 497-8388
PETER RASMUSSEN
PRESIDENT**

Rasmussen Log Homes was founded in 1980 and has two dealers. Its log home products are marketed across the United States and Canada. Recently, it has begun to sell log homes to Japan.

Peter Rasmussen, the company's founder, has nine years of experience with solid timber housing. Rasmussen log homes are constructed of fir or pine logs which have been air-dried, hand-peeled and treated with a preservative. Logs average 12" to 18" at the butt but larger sizes can be ordered at the client's request.

Logs are scribed and notched in the traditional Norwegian fashion with a full length lateral groove along the underside. The edges of the lateral groove follow the contours of the log underneath. Fiberglass insulation is packed into the lateral grooves. Walls are through-bolted to provide additional stability. As the home settles, these bolts can be tightened down. Rasmussen leaves a 4" settling space above doors and windows for an average wall height. There are no butt joints in the walls.

Most of the structures built by Rasmussen are constructed in the company's log yard in the Okanagan Valley. They are disassembled, transported to the owner's building site and then reassembled by a Rasmussen building crew. Re-erection of the log packages takes from one to two days on the average.

Log packages range in price from \$17,000 to \$66,000. The average price per sq. ft. is \$20 to \$24. The most popular log sizes for customers range between 14" and 18".

Roof overhang is a minimum of 3' along the sides and the gable ends.

The company expects to build about 100 homes a year.

Standard Package: Wall logs, wall insulation, through-bolts and on-site assistance for the buyers.

Options: Log stairs and railings, log trusses, second floor joists, preservatives, blueprints and log partitions.

ROGER'S TOP NOTCH**ROGER'S TOP NOTCH LOG HOMES****C. 6, S. 14, R.R. #2****ENDERBY, BRITISH COLUMBIA****VOE 1V0****TEL: (604) 838-6649****ROGER HATT****PRESIDENT**

Roger's Top Notch Log Homes was founded in 1989 by Roger Hatt. The company builds handcrafted log homes for customers in British Columbia and Alberta. Custom plans are used exclusively.

The company uses a variety of log species including spruce, cedar, fir and larch. Logs are carefully selected for size, taper, straightness and soundness. Butt diameters range from 12" to 18" and logs come in lengths up to 60'. The logs are air-dried and the bark is hand-peeled. They are treated with Sikken's preservative.

Roger's Top Notch builds homes in the traditional Scandinavian full-scribe, round log chinked and pièce-en-pièce styles. A number of different types of notches may be used in the building depending upon need: dovetail, oxhead, sheephead, blind, square, round or saddle.

Length of roof overhang is usually 3' along the sides and 3' to 8' at the gable ends. The company allows 5" of settling for an 8' wall. There are no butt joints as only full length logs are utilized.

Hatt has built over 30 log homes. He can erect a log shell, build a finished, turnkey log home or do log home restoration work. Log work is usually done in the company's log yard. Then, the logs are numbered and disassembled, transported to the homeowner's site and re-erected on the waiting foundation.

Log packages range in price from \$25,000 to \$60,000. The most popular log size for customers is in the 15" to 17" range.

SPAR-LOG HOMES

**SPAR-LOG HOMES
R.R. #2
BARRHEAD, ALBERTA
T0G 0E0
TEL: (403) 674-4813
FAX: (403) 674-3503
WAYNE A. SPARSHU
PRESIDENT**

Log homes by Spar-Log Homes, over the past 12 years have ranged from cozy cottages to very large commercial properties. Our company will supply log work only, or we can create complete turnkey homes.

Spar-Log Homes does drafting and design to help to develop unique, custom designed log and timber structures. These structures are created from 16" to 20" (inch) spruce for the most part, however western fir and cedar are also available. Logs are cured for up to one year, then treated with a wood preservative, of which there are several choices for the individual home owner. We also offer a log preservative and finish which is totally non-toxic to the home owner as well as our sensitive environment.

The approximate delivery time is 30 to 90 days, depending on the complexity of structure and the availability of the log species.

Our company specializes in shrink-fit saddle notch and "Double Scribed Lateral Groove" log work, with Em-seal which carries a unique air-leakage warranty (5 years). Any style of log work, restoration, or addition you can dream up, we can accommodate your plan.

Many parts of central Alberta can take advantage of our very reasonable crane time and reassembly costs included in contract price.

Wayne has instructed Log Construction courses for 8 years, and at present is a Director of the Canadian Log Builders Association. He has a background in finish carpentry and general contracting to aid people in their finishing choices.

SPERLICH LOG CONSTRUCTION

SPERLICH LOG CONSTRUCTION
P.O. BOX 962
VERNON, BRITISH COLUMBIA
V1T 6N2
TEL: (604) 549-3420
FAX: (604) 549-3420
PETER SPERLICH
PRESIDENT

Sperlich Log Construction was originally founded by Paul Sperlich in the early seventies. Paul learned the art of log building as a Prisoner of War in the Soviet Union during and after World War II. Later, Paul immigrated to Canada to raise his family. He proceeded to create a limited number of log homes with careful attention to detail.

Now his son, Peter, is following in the same traditions. Building only a small number of log shells each year with quality being the main consideration. Fir, spruce, larch pine, and cedar are the species commonly available, usually in diameters ranging from 10 inch tops to 20 inch butts. Logs are peeled using either one of two methods: using a drawknife which shaves slightly into the sapwood, exposing the patterns of the grain or using a peeling spud to carefully remove the outer bark with the cambium and innerbark left to the polished off leaving a silky smooth finish to the log. The logs are then treated with a preservative (zinc naphthenate) to keep the logs from staining. Depending upon the customer's timetable, the logs are then often stored to air dry. The log shells are prebuilt using the Scandinavian full scribe method. Only two to three craftsmen work on each shell ensuring consistent standards throughout. The shell will then be set-up on the owner's foundation.

Standard Package: Exterior and interior log walls, window and door openings, steel pins, electrical openings, and log ceiling joists.

Options: Roof support, leader windows and doors, thru bolts, application of Sikksens Cetol, log railings, log stairs, log tables, and log benches.

SORENSEN CONTRACTING

SORENSEN CONTRACTING
BOX 1733
REVELSTOKE, BRITISH COLUMBIA
VOE 2S0
TEL: (604) 837-5091
KATHRYN SORENSEN
PRESIDENT

Sorensen Contracting has been building custom designed log homes for the past 12 years. The company works primarily for customers interested in a traditional Scandinavian full-scribe style of log building.

Spruce, fir and cedar logs are winter cut and handpeeled. They are scribed laterally the length of the log and saddle notched. The grooves are then filled with fiberglass. Logs have butt diameters ranging from 15" to 18" and come in lengths up to 65'. Corners are saddle notched.

Logs are carefully selected for use in a Sorensen home. They must be sound, straight and have only 1" of taper per 10' of log length. Zinc naphthenate or Sikken's wood preservative is applied to timbers.

Sorensen Contracting allows 1/2" to 3/4" per foot of wall height settling.

Sorensen Contracting is presently completing a new 2,700 sq. ft. show home in Revelstoke, B.C. The company will build to any stage of completion from the log shell to a turnkey home. A home can be built on the owner's site or it can be constructed in the company's log yard, transported to the owner's site and rebuilt on the owner's foundation.

Roof overhang is from 3' to 6' along the sides and from 5' to 6' at the gables. This helps to prevent water damage rot the log from driving rains. The company builds with log gable ends, log rafters, log purlins, ridgepole and interior log partitions if the customer desires.

The company markets its products in Western Canada and the Northwestern United States. Prices vary according to the size of the home and depending upon the materials used. The average cost per sq. ft. is \$15 with posted gables and \$18 with scribed log gables.

Standard Package: Wall logs, log ridgepole, purlins, wall insulation, log partitions and on-site assistance for the buyer or his general contractor.

Options: Windows, doors, sub-flooring, finish floor, roof, double roof, shingles, shakes, roof insulation, floor insulation, logs stairs and railing, log trusses, first floor joists, second floor joists, interior and exterior trim, porch materials, preservative and blueprints.

SUNBOW LOG AND TIMBER HOMES

**SUNBOW LOG AND TIMBER HOMES
HIGHWAY 590
R.R. #1 (NOLALU)
THUNDER BAY, ONTARIO
P0T 2K0
TEL: (807) 475-7710
PAUL MacNAB
PRESIDENT**

The Log and Timber Shop is a newly formed partnership, however, its team of builders has 26 years of cumulative log building experience.

The company consists of Paul MacNab, a designer, teacher and log and timber frame builder, a local craftsman Les Para, Nina MacNab, and Joe Armstrong.

A number of specialty features are available in homes built by this company: one of a kind log or timber frame king post trusses accented by natural curved braces, hammerbeam trusses, handcarvings, timber-framed door and window openings, highlighted by optional arched headers, stained and etched glass, arched doorways, stairs railing and sunrooms. As an optional enclosure, the company can also provide stress skin panels for timber-framed structures.

"Building only four to five custom homes per season enables The Log and Timber Shop to become personally involved with each new project," says Joe Armstrong. "We like to see our work properly closed in if possible, but we will provide log or timber frame shells on request."

Logs are usually white or red pine. Larger diameters ranging from 16" to 2' at the butt are the most popular. At the company's construction yard in Nolalu, Ontario, the logs are handpeeled, cleaned and treated with Log Guard, a non-toxic preservative. They are cut to fit, dismantled, and transported to the owner's site. Before final setting, a bead of expandable foam is applied along the lateral groove and around the notches.

The Log and Timber Shop can handle any size project, Armstrong says, from resort developments to small lakeside cottages. An introductory booklet is available for a dollar.

SURELOG HOMES

**SURELOG HOMES
P.O. BOX 180
EAGLE BAY, BRITISH COLUMBIA
VOE 1T0
TEL: (604) 675-2318
FAX: (604) 675-2500
TERRY HALL
PRESIDENT**

Surelog Homes was developed by Terry Hall to create a unique log building system using the Scandinavian full-scribe method. He is a Journeyman Carpenter with 12 years experience in log building. He is the current president of the Canadian Log Builders Association International.

Surelog Homes believes that your home should be designed to meet your needs in both craftsmanship and quality. They consider the finished log structure an opportunity for personal expression. This belief allows them to approach each project with a fresh eye and gives the client a unique opportunity for direct involvement in the building process. It is this artistic vision which sets them apart from others.

Typically, Douglas Fir logs are recommended for use in construction, however, other species may be used upon request. Their technique utilizes a "shrink fit" notch and the butterfly scarf, with a shallow "w" cut lateral groove. Their experience with this technique has shown to be superior to others. Distinctly shaped exterior end logs and sculpted archways typify Surelog Homes and hand-crafted grace. Customized carvings can be added at the client's discretion. The subtle art establishes a unique personality for each home. Surelog Homes also specializes in large residential and commercial projects with complex roof structures.

Standard Package

- design consultations
- selectively harvested quality timber (12-14" mean diameter)
- complete roof systems
- logs flattened where necessary ready to receive milled lumber
- log ends sanded in a finished manner
- shaped log ends, sculpted archways and interior openings
- window openings and doorways prepped for installation
- logs drilled for electrical wiring and through-bolts where necessary
- wall channels as per floor plan
- complete consultation and/or supervision with your finishing

Options

- a full plan drafting service
- special building techniques utilized where appropriate
- window and door packages
- hand-crafted log stairs and railings
- customized carvings
- use of environmentally friendly preservatives
- reassembly on your building site

"WE TAKE THE MYSTERY OUT OF LOG BUILDING"

TIMBERLINE

**TIMBERLINE LOG HOMES, LTD.
158 MACKENZIE AVENUE
MONCTON, NEW BRUNSWICK
E1C 7Z2
TEL: (605) 384-8369
ALDORIA ROBICHAUD
PRESIDENT**

Founded in 1984, Timberline Log Homes, Ltd. uses aldrried spruce, cedar, and pine in its handhewn log homes. The company markets its product primarily in eastern Canada.

Logs are handpeeled and preservative treated. The average length is 14' to 22' with 10" to 14" tops. In selecting its logs, the company says it looks for long, straight trees with limited taper. The logs are cut in the scribe-fit style with saddle notch corners. Ten to twelve-inch spikes are used in the log courses and an insulation strip is placed in the corners. Timberline also offers an insulated log.

Timberline will build turnkey homes, shell packages, or sell log home kits. The company says most customers buy a shell kit at an average cost of \$13 per sq. ft.

The company president is Aldoria Robichaud.

Standard Package: Spikes, insulation, log partitions, preservative.

Options: Windows, doors, sub-floor, finish floor, roof, double roof, shakes, shingles, interior and exterior trim, ceiling joists.

THE TIMBERSMITH LOG CONSTRUCTION LTD.

**TIMBERSMITH LOG CONSTRUCTION LTD.
GENERAL DELIVERY
HILLSDALE, ONTARIO
L0L 1V0
TEL: (705) 835-3069
FAX: (705) 835-3772
MR. CLIFFORD WALKER
PRESIDENT**

Cliff Walker started building with logs in 1978 and in 1980 founded the Timbersmith Log Construction Limited.

Since then Timbersmith has operated out of a location at Hwy 93 one mile south of Hillsdale, Ontario. Each year has seen Timbersmith improve not only in number of sales but also with its facilities and therefore the ability to produce a high quality and a generous quantity of these log homes.

At first Timbersmith produced mainly two products. Scandinavian round log chinkless buildings and square hewn Ontario dovetail chinked log buildings. Timberframe floor systems and roof systems were an integral part of the above buildings and this naturally turned into complete timberframe buildings.

In 1985 Timbersmith developed a piece on piece log home with the use of a machined log. The product is highly regarded for reasons of, settlement problems completely solved, quality control, large quantities produced, and its design versatility.

In 1988 Timbersmith added the Log Swimming Pool to its line under license from the inventory and patent holder from the USA.

In its short history Timbersmith has produced over 80 buildings and now is gearing up to handle its biggest year ever with sales going over 25 projects.

Cliff Walker is also known as a leader in the training of log builders through the Seneca College log building courses he has instructed since 1981.

Timbersmith has received an order for six Scandinavian round log homes to be delivered to Japan in 1989. It has an agreement for up to 20 such homes per year with this same firm.

With our variety of products, we at Timbersmith feel we can satisfy any customer with any quantity of such.

Timbersmith's craftsmen base has been developed slowly over the years with it now being one of the most talented, long lasting crews in the industry. Headed by Master Framer Jim Carter, Timbersmith's nucleus of craftsmen have a combined experience of over 45 years.

Timbersmith can ship anywhere in the world but realizes its base is in its own back yard. Locally we build many fine projects from very small homes to very large and elaborate homes. Our reputation everywhere and especially locally has always been utmost. Quality has always been first and foremost at Timbersmith.

Timbersmith's attitude towards the future is one of long term success. Cliff Walker personally believes experience is the best teacher, from his first log fitting he has gained the knowledge that only comes from years of pursuit of a craft.

The craft of turning logs and timbers into fine buildings is well and alive and Timbersmith looks forward to sharing in the leadership of its development.

THE TIMBER WORKS

THE TIMBER WORKS
R.R. #4
HUNTSVILLE, ONTARIO
POA 1K0
TEL: (705) 789-1181
BILL NUNN
PRESIDENT

Bill Nunn, owner of the Timber Works, has been building log homes since 1979. The company offers a variety of home styles: hand-hewn dovetail, Scandinavian full-scribe, piece-en-piece, round log chinked, full scribe dovetail or timber frame.

The company winter cuts from stands of Ontario white pine and Norway red pine. Logs for scribed round log houses average 15" at the tip and 20" to 22" at the butt. Dovetail logs must be larger. If the customer requests, the logs may be treated with zinc naphthenate. The hand-hewn dovetail logs are sealed with polyurethane foam and covered with a layer of Perma-Chink.

The company allows for 2" to 4" of wall settling. Roof overhang is a minimum of 2' along the sides and 2' to 4' at the gable ends. Corner notches available include the saddle notch, dovetail notch and mortised post-and-beam. Most customers want a turnkey home. Costs vary according to the complexity of the design. All plans are custom. Usually, the company prebuilds in its log yard then ships the log shell to the owner's site where a Timber Works crew re-erects it. However, if the site is suitable, the company is willing to work on location.

Timber Works markets mostly in Ontario. Since starting, the company has completed 30 renovations, additions and homes. Bldg area also made on log restoration projects.

Member: North American Timber Framers Guild

TOBIQUE

**TOBIQUE LOG HOMES LTD.
PERTH ANDOVER, R.R. #2
NEW BRUNSWICK, CANADA
EOJ 1V0
TEL: (506) 273-2479
FAX: (506) 273-4108
GARTH FARQUHAR
PRESIDENT**

Tobique Log Homes Ltd. was founded by its President, Garth Farquhar, in March, 1984. Mr. Farquhar has eight years experience in log building and has built twenty-five handcrafted homes in Canada and the United States. He is a professional civil engineer and offers a custom design service to his customers. He is actively involved with the Canadian Log Building Association International of which he is President. Tobique Log Homes is a progressive and innovative company that combines traditional joinery and modern methods to produce a unique product. There are cheaper log homes available but there are none better.

Tobique Log Homes Ltd. builds handcrafted log homes for eastern spruce and will ship its product anywhere in the world.

Buildings are handcrafted in the true Scandinavian full-scribe tradition. A lateral groove is cut with hand tools into the underside of each log. The edges of this groove follow the contour of the log underneath. The saddle notch is most commonly used but other notches are available. Emseal log home sealant is used to insulate notches and lateral grooves. Emseal is an impregnated foam sealant. All Tobique log homes are through bolted.

The logs are handpeeled and have an average diameter of 10 inches. Each log is carefully selected for minimal taper, straightness, lack of seams, and straightness of grain. Starting in 1990 the company will be using kiln dried logs.

The average cost of a log home shell is approximately \$15.00 per sq. ft. A standard package includes wall logs, spikes, Emseal sealant, and reassembly instructions. Windows, doors, subfloor, roofing systems, preservative and custom design are offered as options.

A free information folder is available on request and a promotional video is available for sale.

TOP NOTCH

TOP NOTCH
BOX 446
COLLINGWOOD, ONTARIO
L9T 3Z7
TEL: (705) 436-1487/428-5440
CHRIS WARD
DON SHARPE

Top Notch was founded in 1983 by partners Chris Ward of the Ontario Log Builders Association and Don Sharpe. The company offers a variety of handcrafted log home styles in white pine, western red cedar, fir and red pine. The company can handle structures ranging from small cottages to multi-levelled buildings.

Customers can choose from a wide variety of timber roof systems, and can select Scandinavian full scribe, dovetail or timber framing. Top Notch will create the structural portion of the log or timber frame building. This would normally include fitting of the exterior log walls, cutting door and window openings, installing splices at openings to allow for building movement, fitting a second floor system, pre-fitting a second floor system, pre-fitting a timber roof system, blocking and pinning to ensure structural integrity, drilling the main electrical channels, and re-assembly on the owner's site.

For a timber frame home, Top Notch will include the following: sizing and finishing materials, fitting the various components to form the frame using traditional joinery techniques, framing openings to facilitate door and window installation, fitting a second floor system as an integral part of the frame, labelling all components for assembly, and assembly on the foundation.

Top Notch will provide structural information to contractors who install the foundations or finish the interiors. Contractors will be informed about shrinkage allowances, proper building support, door and window installation, and weather sealing for energy efficiency.

The company will also help the customer in the planning and designing stages, if desired. Top Notch can prepare the blueprints, or they could be done by the architect of the customer's choice.

With Scandinavian full scribe logs, the dimensions are a minimum of 10" on the tops. Logs used for dovetail log homes are 10" thick, 16" on the tops. Customers can order a smaller 8" dovetail log if desired. The maximum available length is 60'.

Top Notch does not use a specific preservative, but rather tries to suit their recommendations to the customer's requirements, keeping in mind the species used, the location and use of the building, the maintenance required and the appearance and color of the finish. With the dovetail homes, galvanized wire mesh and specialized mortar sandwich and expanded polyurethane foam are used. Top Notch guarantees the quality of their workmanship and the integrity of the materials used.

Options: Timber stairs, dormers, rafter systems, purlins, trusses, blueprints, on-site assistance.

TRADITIONAL LOG HOMES

**TRADITIONAL LOG HOMES LIMITED
BOX 2463
SALMON ARM, BRITISH COLUMBIA
V1E 4R4
TEL: (604) 832-8770
FAX: (604) 832-3287
DUNCAN MORRIS
PRESIDENT**

Duncan Morris, the founder and master craftsman of Traditional Log Homes, started this handcrafted company in 1976. He works in the Scandinavian scribe-fit technique, using logs with at least 16" to 18" diameter butts and 10" to 12" tops.

Traditional builds 12-15 buildings each year with a crew of up to 10 log builders, crafting the houses in its B.C. log-yard and reassembling them at the customer's building site. Their homes are built of spruce, white pine or douglas fir cedar, all hand-peeled and air-dried.

Morris says Traditional's specialty is energy-efficient, passive solar design, since all its structures have been built in the harsh climates of British Columbia, Alberta, Japan and West Germany.

About 85 percent of Traditional's domestic customers opt for a custom package, which includes a building site evaluation and individual work with the customer to develop fully-engineered custom plans.

Traditional built a home on the shores of Shuswap Lake, B.C., in a remote inaccessible site. The story, titled "Helicopter Log House", was featured in Log Home Guide (Spring 86).

Although Traditional works primarily with round logs, by special request it can build a home with milled logs and dovetail notches. In scribe-fit homes Traditional uses a wool batt between logs to prevent air infiltration. For customers who prefer an airtight home, Traditional employs Ektaflex concrete foam insulation and PL 200 caulking. Homes are always built with a generous roof overhang of 2½" on the sides and 6' at gable ends. Logs are treated with two coats of zinc naphthenate preservative. Corners are saddle-notched.

Traditional's most popular model is the three-bedroom "Chalet" with 1,200 sq. ft. of living space. Most homes Traditional builds average \$20,000 to \$30,000; most customers purchase a shell kit, but homes are also available completely finished.

WESTERN INTERNATIONAL

**WESTERN INTERNATIONAL LOG HOMES, LTD.
P.O. BOX 129
MILLBAY, BRITISH COLUMBIA
V0R 2P0
TEL: (604) 743-4435
LOUIS LEROY
RON SMITH
PROPRIETORS**

Louis Leroy began building handcrafted log structures in 1967. In 1975, he joined with a partner, Ron Smith, and the two men began to produce milled log houses from the abundant supply of western red cedar and Douglas fir logs in the region.

Their company, Western International Log Homes, Ltd., lathe turns its logs to 6", 7", 8" and 10" diameters and a concave channel is milled along the underside. Corners are machine saddle notched for a tight fit. Uniform lengths of 25' are available to customers.

A flexible strip of foundation styrofoam is placed between each course of logs as the wall is erected. This closed cell foam provides an air infiltration barrier. The natural roundness of the logs helps to guide rainwater away from the horizontal joint. The corners are sealed with the styrofoam as well as a bead of caulk.

Through bolts are employed throughout the structure for stability and lateral strength. These range in thickness from 1/2" to 5/8" and run from the upper to the lower plate logs. Bottom plate logs are lag bolted to the foundation. The through bolts are placed into holes drilled on site to guarantee alignment so they can be easily reached and adjusted, 6" back from either side of a log wall opening (i.e. windows and doors) or as engineering specifications require. These can then be tightened periodically as wall settling takes place.

There are no exposed butt joints in Western International wall. If a wall runs more than 25', there is a jog placed in it or a log partition juts through so a splice can be made in the middle of the saddle notch.

Because of the through bolt system, simple assembly diagram and the pre-cut and numbered logs, a Western International home is simple to erect. The company sells mostly pre-cut log packages, however, it will occasionally turnkey a log home project in the immediate area. Finished turnkey costs average between \$30 and \$50 per sq. ft.

"No matter what kind of log you are using, you are going to have settlement," Leroy asserts. So, a Western International home is fully adjusted for 3" of settling. Spaces are left above windows, doors and partition walls, which is covered with trim boards. Angle iron is usually bolted to window and door bucks and placed into a saw kerf in the ends of the logs. In this way the frames, attached to the bucks, remain stable while not impeding the natural movement of the logs. Partition walls are double plated (telescopic) to adjust as the walls settle over the years.

"I have used logs dried for three years and still gotten shrinkage out of them," says Leroy.

Since converting to lathe turned, Swedish cope logs, the company has built about 200 homes. Most were sold to customers in Canada and the U.S., but two were shipped overseas to Germany. Prior to this, Leroy built 82 handcrafted log houses.

Sometimes, a preservative by Texas Refinery Corp. is applied to the logs to control growth of fungi that might cause discoloration. Western International recommends a variety of wood finishes for long term maintenance.

Blueprints and complete assembly instructions are supplied with every package. Engineering and consultation services are available. To make finishing easier, the company pre-drills for electrical wiring.

HOWARD WILLIAMSON

**HOWARD WILLIAMSON CUSTOM
LOG HOMES LIMITED
3030 - 40TH STREET SE
SALMON ARM, BRITISH COLUMBIA
V1E 4M3
TEL: (604) 832-3690
FAX: (604) 832-8313
HOWARD WILLIAMSON
PRESIDENT**

Howard Williamson Custom Log Homes Limited is a small, family-owned business, founded in 1978. The company specializes in the Scandinavian full-scribe method of log shaping and builds from 15-25 homes or cottages per year. The company works on only one building at a time to ensure quality workmanship and personalized service.

The company uses hand-picked spruce or pine logs which have a mean diameter of 12" to 13" (butt diameters are from 14" to 18"). Williamson claims that only about one in 100 logs is selected for use in one of his handcrafted homes. Logs are air-dried and hand-peeled.

Corners are round notched, saddle notched or other optional notches. Logs are continuous with no butt joints and an insulation strip is applied. Roof overhang is two feet at the sides and from two to four feet at the gable end.

The most popular model is the "Shellbrook" which features 1,680 sq. ft. of living area and three bedrooms, plus a loft. The average price of the company's shell kits is \$21,000.00.

The company has been exporting overseas for two years and can supply a complete house package including fireplaces, woodstoves and furniture.

A pamphlet is available at no charge, as is a brochure, sample plans and artists' sketches. The plans can be fully engineered if necessary.

Member: Canadian Log Builders Association.

Standard Package: Wall logs, insulation strip, ceiling joists, blueprints and on-site assistance.

Options: Windows, doors, sub-floor, finish floor, spikes, roof, double roof, shakes, shingles, interior and exterior trim, log partition, caulking, chinking and preservative.

PAT WOLFE

PAT WOLFE LOG HOMES
R.R. #3
ASHTON, ONTARIO
KOA 1B0
TEL: (613) 253-0631
PAT WOLFE
PRESIDENT

Pat Wolfe is a well-respected Scandinavian scribe log builder who takes on one or two contracts a year, usually for people who want only a log shell, and intend to do the finishing themselves. He also builds complete turnkey houses. Wolfe is a past-president of the Ontario Log Builders Association, and an active member of the Government/Industry Task Force on Log Building.

Wolfe conducts a series of log building courses throughout the year. (10 week career course also 1 week and 4 week courses).

Wolfe works with cedar, white pine and large diameter pine. He usually builds the log shell at his own site, then ships to the customer's site and re-erects the package. Sometimes this can happen very fast. For instance, Wolfe built the log shell and roof structure for an 1,800 sq. ft. log home at his own site. On a Friday morning, he began to disassemble it. By 7 p.m. Saturday night, the shell had been shipped a distance of 300 miles, and had been re-erected, roof structure and all.

Wolfe uses a carving called "The Timber Wolfe" as a kind of "signature" or trademark on his homes. This logo, which shows a silhouette of a crying wolf beside a tree, first appeared on the kingpost truss of Wolfe's classroom workshop. Wolfe also carves in replicas of the tools he uses on a post or door frame on the homes he builds, as another "signature".

On one building, he carved a replica of his axe over the front door and signed it "The Timber Wolfe". He says that some people really like that sort of personal touch. "I've got a contract to build a house because of that", he says.

He can erect a log shell anywhere in Ontario or Quebec, but will travel further afield "if the situation calls for it". Log shells average \$25 per sq. ft., but this figure can vary widely, since all jobs are custom. Wolfe is comfortable with post and beam construction, although he specializes in the full scribe technique.

Wolfe has been conducting thermal experiments on logs at his log building school.

Member (and Past President): Ontario Log Builders Association.

CANADIAN TIMBER FRAME SHOPS

ALBERTA TIMBERCRAFT HOMES

ALBERTA TIMBERCRAFT HOMES
R.R. #3
WETASKIWIN, ALBERTA
T9A 1X1
TEL: (403) 352-7928
ROD BROWN
PRESIDENT

Rod Brown has owned and operated his local construction company for over twelve years, and has become increasingly involved in the revival of the ancient art of timber framing. His company has slowly evolved to the point where they now specialize almost exclusively in the design and construction of timber-framed homes, additions, and solariums.

They are currently marketing their homes in central Alberta, but are increasingly willing and able to travel further a field with their structures.

All the timbers for each structure are cut in their shop, using traditional mortise and tennon joinery; then shipped to the site and "raised" by a skilled Timbercraft crew, guided by Mr. Brown. Their frames are cut from new Douglas fir lodgepole pine, or from reclaimed fir timbers.

Timbercraft Homes also manufacture and install their own energy-efficient polystyrene foam panel system to enclose their frames.

All enquiries are welcome.

Alberta Timbercraft Homes -- Building Ancient Homes For The Future!

Member: Timber Framers' Guild of North America.

BLACK CREEK TIMBER FRAMING COMPANY**BLACK CREEK TIMBER FRAMING COMPANY****R.R. #1****STEVENSVILLE, ONTARIO****L0S 1S0****TEL: (416) 382-2290****DAVID S. KOBELKA****PRESIDENT**

The Kobelka's loved the feeling of their timber framed home so much that they wanted to share it with others. Hence, the birth of their company, Black Creek Timber Framing Company. Dave Kobelka's interest in timber framing began in 1983 after taking a hands-on workshop in Michigan. Construction of the Kobelka family home began shortly after, with Dave doing ninety per cent of all the work including the manufacture of doors and windows. Dave takes great pride in producing handcrafted quality timber frames using traditional joinery. Black Creek Timber Framing Company is based out of the Kobelka's 2000 square foot salt box timber framed home in Stevensville, Ontario in the Niagara Peninsula, just minutes from the U.S. border. Black Creek Timber Framing Company believes in designing a home to suit the individual owners' needs and personal taste; and careful planning to take full advantage of the building site's potential. The customer may choose his or her timber framed home, addition, church, barn or commercial building from pine, oak, Douglas fir or cedar. Many construction options are also available: the supply of a handcut frame kit for the owner who wishes to erect it himself; the handcut frame erected on site by Black Creek Timber Framing Company or the frame plus stress skin panel enclosure.

Member of the Fort Erie Chamber of Commerce

Supporting member of the Timber Framers' Guild of North America.

Free pamphlet upon request.

THE CANADA TIMBERFRAME CO.

**THE CANADA TIMBERFRAME CO.
P.O. BOX 2711
HUNTSVILLE, ONTARIO
POA 1K0
TEL: (705) 385-3441
FAX: (705) 385-2368
PETER HUTLEY
PRESIDENT**

The Canada Timberframe Co. is owned by Peter Hutley, custom builder of heavy timber frame structures. The company's skillful combination of modern technology and age old hand crafted joinery, produce an original product of superior quality.

Timber framing is the craft of connecting and securing the separate timber members of a frame to one another, through the craft of joinery. Joinery is a combination of specific cuts and interlocking joints on the sides and ends of the timbers. Traditional boring and pegging is employed where appropriate to complete a structure of lasting strength and classic beauty.

In timber frame construction, the building is designed and erected in a series of sections called bents. These bents vary in number and size depending on the design and size of the structure. Timber frames are self supporting buildings and can be added to without major structural alterations. The versatility of the timberframe extends to the window and door placement, as well, your building can be faced with a wide range of materials such as brick, wood, adobe, stucco, stone and glass.

The Canada Timberframe Co. offers a variety of wood choices from Canadian white pine, west coast cedar and fir, to the distinctive look of oak.

To ensure maximum energy efficiency with virtually no thermal breaks, the entire frame, walls and roof, are wrapped in stress skin panels. The wrap is a sandwich of expanded polystyrene insulation flanked on either side by a structural membrane. As well as providing one of the finest insulation packages possible, it is also an excellent medium for securing interior and exterior dress finishes.

Standard Package

Timber frame complete and erected anywhere in North America (supervisory assistance in other locations) including stress skin wall and roof panels, all door and window openings cut to size and splined.

Options

Doors and windows - interior and exterior
Flooring - "V" match pine and oak
Roofing - shingles, shakes and metal
Stairs and railings - decorative
Beam and truss dressing - wood finishes and preservatives

Brochures with suggested floor plans are available for \$8.00 Cdn.

GRAND RIVER TIMBER FRAMES

**GRAND RIVER TIMBER FRAMES
C/O DOUCETTE LOG BUILDING LTD.
R.R. #1
PARIS, ONTARIO
N3L 3E1
TEL: (519) 753-2700
FAX: (519) 753-9112
PETER R. DOUCETTE
PRESIDENT**

Grand River Timber Frames is a division of Doucette Log Building Ltd.

Doucette Log Building Ltd. has been working with log and timbers for 12 years. In 1987, traditional timber frame construction began at Doucette Log Building Ltd. Since then, timber frame homes in pine, oak and Douglas fir have been crafted.

After 3 years of developing their craft, Peter Doucette and the crew of trained timber framers, now feel they can offer finely designed and meticulously crafted timber frame structures and are able to meet any level of complication. The same level of attention that has made Doucette Log Building Ltd. Hand-crafted Log Homes some of the best log structure in North America, is now being applied to the timber frame structures crafted by Grand River Timber Frames.

Grand River Timber Frames is actively timber framing costumed design homes and commercial structures, with full architectural and wood engineering available. All timbers are graded before being used in the frames. Panels wall insulation systems are used to close in the timber frames structures. All considerations for electrical and plumbing are dealt with by Grand River Timber Frames. All timbers are finished and oiled before leaving the 6500 sq. ft. shop to prevent damage to the timber in transport.

Timber Frame shell and fully contracted homes are available and in addition, hands-on timber framing workshops and seminars are now available.

Grand River Timber Frames has now embarked on a historical survey of barns and homes built with early Canadian timber framing methods.

The Timber Shop, a division of Doucette Log Building Ltd., crafts timber frame trusses designed to fit any conventional wall construction. These trusses are pre-cut, dis-assembled for transport, and can add a touch of timber frame construction to any home or commercial structure with the full cost of a timber frame structure.

Member: Timber Framers Guild of North America.

THISTLEWOOD TIMBER FRAME HOMES**THISTLEWOOD TIMBER FRAME HOMES****R.R. #6****MARKDALE, ONTARIO****NOC 1H0****TEL: (519) 986-3280****FAX: (519) 986-4461****SCOTT MURRAY****PRESIDENT**

Thistlewood Timber Frame Homes is a unique company which is at the forefront of the revival of timber frame construction. Historically, timber framing has been the building method used by craftsmen to create structures as diverse as the elegant temples of Japan, the tudor homes of Britain and the massive timber structures so common across North America.

Originally working under the name "Traditional Log and Timber Structures", the company has 12 years experience in the building and restoration of solid timber structures.

At the shop, Scott Murray, President of "Thistlewood", has found that traditional tools and techniques still tend to be the most efficient. Power tools are of course used, helping to achieve our product more quickly and efficiently. "However", says Scott, "it is still through the skilled, meticulous use of chisel and mallet that we create the superior quality of joinery our reputation is built on".

Following notching and trial fitting of timbers, the individually labelled pieces are transported to the building site and assembled into bents which are raised as a unit. Raising day culminates with the securing of a bough to the peak as a gesture of respect to the trees that have given life to this new structure. The legendary timber frame raising symbolizes the spirit, cooperation and strength of our early pioneers that is felt as soon as you walk through the doors of one of our timber frame homes.

Once the timber frame structure has been erected, "Thistlewood" specializes in the supply and installation of "stresskin" insulation panels. The very best product of this modern construction technique is used. "Stresskin" is a unique "sandwich" of exterior sheathing, rigid insulation (minimum R-25) and interior facing (either of dry-wall or wood tongue and groove finishes). Close in time for walls and roof is fast and efficient, allowing the owner/builder to complete the home, or local contractors or the experienced crews of "Thistlewood" can take the project to completion.

At "Thistlewood" we take pride in building finely crafted timber frame structures to create homes that balance past with present craftsmanship, using the latest in building technologies.

Our company Design Portfolio and video are available upon request. In addition to the complete line of timber frame and general construction services which are available, including engineering and custom home design, "Thistlewood" conducts hands-on timber framing workshops and seminars.

UPPER CANADA POST & BEAM

**UPPER CANADA POST & BEAM
4160 19TH AVENUE
MARKHAM, ONTARIO
L6C 1M2
TEL: (416) 887-9616
FAX: (416) 887-9671
DAVID MCFARLANE
PRESIDENT**

Since 1979, Upper Canada Post and Beam has supplied precision-milled material packages for timber frame houses to home builders across the continent. We are a Canadian manufacturer dedicated to excellence through the combination of a timeless construction method with modern design and technology.

Upper Canada Post & Beam has 24 different house designs to choose from. These include both recreational models as well as year round homes and range in size from the 214 sq. ft. "BUNKIE" to the 3,576 sq. ft. "PRINCE EDWARD". The company's design staff are experienced in modifications to these models as well as working with clients to develop complete custom homes and commercial buildings. Whether a small forest retreat or a large yacht club and restaurant, the same commitment exists to detail as well as overall design excellence.

As of June 1990, Upper Canada has supplied over 300 houses to the North American market with the majority of sales within the province of Ontario. Sales have also been made to Quebec, the Maritimes, Western Canada, the United States and in 1989 to Japan.

With a new production facility opened in July of 1989, the company significantly increased its' production capacity while improving efficiency and maintaining its' high level of quality control. The standard post and beam frames include lap joint, mortise and tenon and dovetail joinery. More intricate structures include the use of timber trusses and valley rafter systems.

As part of Upper Canada Post & Beam's continued growth, the company is actively exploring export market opportunities.

VALLEY TIMBERSMITHS

VALLEY TIMBERSMITHS
R.R. # 2
COMBERMERE, ONTARIO
K0J 1L0
TEL: (613) 756-3858
JOHN R. MACDONALD
PRESIDENT

Valley Timbersmiths Inc., a small group of highly skilled craftsmen, was established in 1980, in the upper Madawaska Valley of Renfrew County.

Our focus is to offer a finely crafted timberframe of native pine. These frames are hand crafted in the traditional of classic New England and European timber joinery.

The house frames are enclosed with insulating panels, and together the two provide an unmatched combination of stability, uniqueness, and energy efficiency. The structure lends itself to both rural and urban settings, with adaptations for traditional, rustic, or contemporary tastes.

We currently offer two insulating panel options:

Panel 1 - An EPS foam plastic based stressed skin type panel with OSB (waferboard) skins.

Panel 2 - An environmentally-friendly panel system, combining natural wood and recycled materials with superior insulating properties.

Valley Timbersmiths has a deep respect for our forest resources, and would like to preserve our natural inheritance in homes that will inspire generations to come.

Our present market area is primarily Eastern Ontario, but we will consider containerized shipment of completely pre-cut frames world-wide, with on-site supervision of erection provided.

ADDITIONAL TIMBER FRAME SHOPS

Mr. Doug Luklen
President
Doug Luklen Structure and
Designs Inc.
P.O. Box 501
Morin Heights, Quebec
J0R 1H0
Tel.: (514) 226-8558

Mr. Pat Murphy
President
Pat Murphy Construction
P.O. Box 774
Minden, Ontario
K0M 2K0
Tel.: (705) 286-2816

Mr. Alfredo Rico/
Mr. Glenn Diezel
Northern Timberhouse
P.O. Box 71
Minden, Ontario
K0M 2K0
Tel.: (705) 286-3791

Mr. Larry Power
President
Larry Power Log & Timber
Structures
R.R. #1
Fraserville, Ontario
K0L 1V0
Tel.: (705) 944-8801

Mr. David Spence
President
Scotts Post and Beam Inc.
P.O. Box 217
Port Williams, Nova Scotia
B0P 1T0
Tel.: (902) 542-5132
Fax.: (902) 542-5535

Mr. Gary Richardson/
Mr. John Joyce
Proprietors
The Timberworks
71 Cambridge Street
Winnipeg, Manitoba
R3M 3E6
Tel.: (204) 474-0021

Mr. Warren Roy
President
Timbercraft Post & Beam Ltd.
286 Avenue Road
Toronto, Ontario
M4V 2G7
Tel.: (416) 926-3711

Mr. George Tanaka
Vice President
Timberform House Canada Ltd.
2109 Alberta Street
Vancouver, British Columbia
V5Y 3K4
Tel.: (604) 872-7857
Fax.: (604) 872-0116

Mr. Gerard Calssie
President
Timber Post Ltd.
Box 90
Grande Digue, New Brunswick
EOA 1S0
Tel.: (506) 576-6267
Fax.: (506) 576-6818

LOG BUILDING INSTRUCTION SCHOOLS

AND

LOG BUILDERS ASSOCIATIONS

B. ALLAN MACKIE

**THE B. ALLAN MACKIE SCHOOL OF LOG BUILDING
P.O. BOX 1205
PRINCE GEORGE, BRITISH COLUMBIA
V2L 4V3
TEL: (604) 563-8738**

B. Allan Mackie was the first qualified teacher to bring log construction studies into the classroom. He established the first-ever Vocational Career course, in British Columbia colleges. He has taught for the University of Alaska, for colleges and high schools.

Mackie established a school to teach log construction studies year-round, the first of its kind in the world. He has carried his unique "Flying Instructor" program overseas, launching a log building industry in New Zealand. In 1986, he went to Japan to launch another school of log building, and again used the media to teach the wider public the value of timber used naturally for superior structures. He now has contacts in Germany.

The B. Allan Mackie School of Log Building offers year-round courses with full and part-time instruction. The course covers the steps in building a log home with emphasis on learning by doing.

Classroom theory is kept at a minimum. The emphasis on beginner sessions is learning to build with logs. In advanced or special studies, the problems of operating a business or contracting are covered. Graduate studies deal extensively with roof support systems, log truss design, methods of teaching and particular problem-solving as requested by students.

Applicants should reserve well in advance.

OKANAGAN SCHOOL OF LOG BUILDING**OKANAGAN SCHOOL OF LOG BUILDING****R.R. #5****S-13F, C-9****PHILPOTT ROAD****KELOWNA, BRITISH COLUMBIA****V1X 4K4****TEL: (604) 765-5166**

Del Radomski's Oakanagan School of Log Building is situated in south-central British Columbia. A native of Kelowna, Del has been building since 1975 and has taught for over 10 years. He has taught courses in Canada, the U.S., New Zealand and Japan. Del is known for a special notching system he developed over the years, the Radomske 4 pt. saddle notch.

All courses are taught by Del and a trained staff. Classroom lectures are a part of each course, but the majority of time is spent on-site learning to build.

PAT WOLFE LOG BUILDING SCHOOL**PAT WOLFE LOG BUILDING SCHOOL****R.R. #3****ASHTON, ONTARIO****K0A 1B0****TEL: (613) 253-0631**

With 15 years of log building experience and a perfect school site will offer 10-week, 4-week and 1-week hands-on courses beginning Spring and Fall 1990. Two-week summer course and Timber Frame courses (1- and 4-week) will begin in July. For more information, write to Pat Wolfe at the above address.

CANADIAN LOG BUILDERS ASSOCIATION INTERNATIONAL**CANADIAN LOG BUILDERS ASSOCIATION INTERNATIONAL****C/O P.O. BOX 180****EAGLE BAY, BRITISH COLUMBIA****VOE LTO****TEL: (604) 676-2318****FAX: (604) 676-2500****TERRY HALL****PRESIDENT**

The Canadian Log Builders Association International (CLBA) is composed of handcrafted log home building companies from across Canada and the U.S. The CLBAI has been in operation for more than 20 years. Membership is \$20.00 annually and members are kept informed through semi-annual newsletters. General meetings are held annually. The next meeting will be held in Sorrento, British Columbia in October 1991.

The CLBAI publishes log home construction standards.

MANITOBA LOG AND TIMBER-CRAFTERS ASSOCIATION

MANITOBA LOG AND TIMBER-CRAFTERS ASSOCIATION
484 KAVANAGH STREET
WINNIPEG, MANITOBA
R2J 0L2
TEL: (204) 233-9385

Greg Dandeneau, owner of Sunset Log Homes in Winnipeg, Manitoba, has announced the formation of the Manitoba Log and Timber-Crafters (MLTCA). The goals of the new association are to supply the public with complete information on modern, hand-crafted log structures.

Dandeneau, a member of the Minnesota Log Crafters and the Canadian Log Building Association International, served on the CLBAI board of directors in 1987-88. MLTCA meetings are scheduled for each spring and fall.

THE ONTARIO LOG BUILDERS ASSOCIATION**THE ONTARIO LOG BUILDERS ASSOCIATION****P.O. BOX 774****MINDEN, ONTARIO****K0M 2K0****TEL: (705) 286-3305****PAT MURPHY****PRESIDENT**

The Ontario Log Builders Association is composed of a group of dedicated professional owner/builders and log home enthusiasts.

The membership meets several times throughout the year for workshops on their craft and it has one annual meeting which often includes competitive events. A quarterly newsletter keeps members in touch with new developments in the field and communicates information of importance to log home enthusiasts. General membership is \$20.00 annually.

APPENDIXAlberta

Mr. Robert J. Savignac
President
Innovative Log Industries Ltd.
P.O. Box 1483
Cochrane, Alberta
T0L 0W0
Tel.: (403) 932-5724
Fax.: (403) 932-6597

Mr. Walt Murray
CEO
Log Home Store Corporation
P.O. Box 1740
Stony Plain, Alberta
T0E 2G0
Tel.: (403) 963-6110
Fax.: (403) 963-6140

Mr. Art McAfee
Log Houses Unlimited
Box 11593, Main Post Office
Edmonton, Alberta
T5J 3K7
Tel.: (403) 477-3835

Mr. Ron Lenz
President
Raven River Timber Works
P.O. Box 248
Caroline, Alberta
T0M 0M0
Tel.: (403) 722-2196
Fax.:

Mr. W.J. Tiffin
President
Rhythm Construction
298 Kaska Road
Sherwood Park, Alberta
T8A 4G7
Tel.: (403) 464-5655
Fax.: (403) 467-4116

Mr. Dean Moore
President
Tasmin Enterprises
P.O. Box 697
Black Falls, Alberta
T0M 0J0
Tel.: (403) 885-2347
Fax.:

Mr. Stephen Smith
 President
 The Timbersmith
 P.O. Box 712
 Cochrane, Alberta
 T0L 0W0
 Tel.: (403) 932-6233
 Fax.:

Mr. Jeff Williams
 President
 Jeff Williams Log Structures
 P.O. Box 241
 Exshaw, Alberta
 T0L 2C0
 Tel.: (403) 678-6633
 Fax.:

British Columbia

Mr. Eric Isaacson
 President
 A-LOC Building Systems
 58051 Laidlaw Road, R.R. #2
 Laidlaw, British Columbia
 V0X 1L0
 Tel.: (604) 869-9657
 Fax.:

Mr. Fred Reeder
 President
 Bear Creek Log Homes
 125 North Westside Road
 Kelowna, British Columbia
 V1Y 8B2
 Tel.: (604) 769-3098
 Fax.:

Mr. Miles R. Porter
 President
 Blue Mountain/Sylvan West Log Homes Inc.
 Site 248, R.R. #2
 Parksville, British Columbia
 V0R 2S0
 Tel.: (604) 248-8234
 Fax.: (604) 248-9966

Mr. John S. Pleva
 Building Consulting
 Brazeau Log Homes
 976B Nicola Street
 Kamloops, British Columbia
 V2C 2R9
 Tel.: (604) 372-9739

Mr. & Mrs. Allan and Mary Mackle
 Building with Logs Inc.
 R.R. #1
 Pender Island, British Columbia
 V0N 2M0
 Tel.: (604) 629-6521

Mr. Werner Reimer
 President
 Canadian Walden Log Homes Ltd.
 4052 Borne Road
 Sardis, British Columbia
 V2R 2P1
 Tel.: (604) 858-3053
 Fax.: (604) 858-6716

Mr. Don Kondo
 President
 Canadian West Log Homes Ltd.
 4370 Dominion Street
 Suite 400
 Burnaby, British Columbia
 V5G 4L7
 Tel.: (604) 433-6981
 Fax.: (604) 435-3318

Mr. Akira Hayashi
 President
 Canadian Rockies Log Homes
 Nippon Developments Ltd.
 450 - 1050 Alberni Street
 Vancouver, British Columbia
 V6E 1A3
 Tel.: (604) 684-2056
 Fax.: (604) 688-4529

Mr. Greg Johnson
 President
 Creative Log Homes
 P.O. Box 786
 11208 Ellis
 Summerland, British Columbia
 V0H 1Z0
 Tel.: (604) 494-9646
 Fax.: (604) 494-3131

Mr. Craig Seale
 President
 Custom Log Homes Ltd.
 P.O. Box 39
 Merville, British Columbia
 V0R 2M0
 Tel.: (604) 337-8411
 Fax.: (604) 337-5204

Mr. D.R. Garrett
 President
 D.R. Garrett Construction
 21349 Landstrom
 Hope, British Columbia
 V0X 1L0
 Tel.: (604) 869-5826
 Fax.: (604) 869-5826

Mr. Paul Schilling
 President
 Darfield Building Products Inc.
 (Precut Log Homes)
 General Delivery
 Darfield, British Columbia
 V0E 1R0
 Tel.: (604) 672-9754
 Fax.:

Mr. Greg Sween
 President
 Dove Tail Log Craft
 P.O. Box 2, R.R. #4, Cottonwood Site
 Quesnel, British Columbia
 V2J 3H8
 Tel.: (604) 992-6421
 Fax.:

Mr. Werner Mueller
 President
 Dremcot International Enterprises Ltd.
 R.R. #1, Site 33, Box 35
 Black Creek, British Columbia
 V0R 1C0
 Tel.: (604) 334-2181
 Fax.: (604) 334-3088

Mr. John Poole
 President
 Eagle Ridge Log Homes
 P.O. Box 2219
 Qualicum Beach, British Columbia
 V0R 2T0
 Tel.: (604) 752-5786
 Fax.:

Mr. Peter Erbel
 President
 Eco-Log Homes Design
 R.R. #2, Site 57, C-30, Gilbert Road
 Smithers, British Columbia
 V0G 2N0
 Tel.: (604) 847-3207
 Fax.:

Mr. Brian Edmunds
 President
 Edmunds Construction
 P.O. Box 1104
 Duncan, British Columbia
 V9L 3Y2
 Tel.: (604) 743-2641
 Fax.:

Mr. Gord Hill
 President
 Gord Hill Log Homes
 32597 Verdon Way
 Abbotsford, British Columbia
 V2S 4N3
 Tel.: (604) 859-0626
 Fax.: (604) 859-9200

Mr. Tim Davies
 President
 Hammond and Davies Log Builders Ltd.
 2024 Squaw Valley Crescent
 Whistler, British Columbia
 V0N 1B0
 Tel.: (604) 932-4264
 Fax.:

Mr. John Boys
 President
 Harvest Log Homes
 P.O. Box 1027
 Merritt, British Columbia
 V0K 2B0
 Tel.: (604) 378-4977
 Fax.:

Mr. Wendel Haugen
 President
 Haugen's Log Homes Ltd.
 SS2, Site 1, Apt. 12
 Prince George, British Columbia
 V2N 2K6
 Tel.: (604) 964-0695
 Fax.: (604) 964-9301

Mr. Don Gervais
 President
 Ideal Export Log Homes Ltd.
 P.O. Box 885
 Salmon Arm, British Columbia
 V1E 4N9
 Tel.: (604) 832-2144
 Fax.: (604) 832-5194

Mr. N. Omi
 Vice President
 IKI Log Homes Ltd.
 Room 243, Hotel Vancouver
 900 West Georgia Street
 Vancouver, British Columbia
 V6C 2W6
 Tel.: (604) 683-1150
 Fax.:

Mr. Jim Pownall
 President
 Jim Pownall & Company
 P.O. Box 368
 New Denver, British Columbia
 V0G 1S0
 Tel.: (604) 358-2566
 Fax.: (604) 358-7900

Mr. Keith Tindle
 President
 Keith Tindle Enterprises/C.L.B. Enterprises Canada
 P.O. Box 902
 Whistler, British Columbia
 V0N 1B0
 Tel.: (604) 894-5410/932-2429
 Fax.:

Mr. Ken Shinozaki
 President
 Kenwest Enterprises Ltd.
 206 - 744 West Hastings Street
 Vancouver, British Columbia
 V6C 1A5
 Tel.: (604) 688-4211
 Fax.: (604) 684-3498

Bob and Christine Fleury
 Proprietors
 Kootenay Log Homes Ltd.
 P.O. Box 81
 Cranbrook, British Columbia
 V1C 4H6
 Tel.: (604) 426-6722
 Fax.: (604) 374-6523

Mr. Ralph Salm
 President
 Kootenay Log Structures
 P.O. Box 737
 Sicamous, British Columbia
 V0E 2V0
 Tel.: (604) 836-3255
 Fax.: (604) 836-4240

Mr. Andrew Dean
 President
 Log Works
 P.O. Box 839
 Whistler, British Columbia
 V0N 1B0
 Tel.: (604) 932-4571
 Fax.:

Lorraine Castro
 Marketing Agent
 Log Structures Limited/
 Kootenay Log Homes Limited
 14 - 480 Hollyburn Drive
 Kamloops, British Columbia
 V2E 1W5
 Tel.: (604) 374-6574
 Fax.: (604) 374-6523

Mr. Graeme Mackay
 President
 Mackay Log Building Construction
 Box 4865
 Williams Lake, British Columbia
 V2G 2V8
 Tel.: (604) 392-2499

Mr. Dan Milne
 Martin Mountain Enterprises Ltd.
 Box 59
 Pritchard, British Columbia
 V0E 2P0
 Tel.:
 Fax.:

Mr. Denis Hoobanoff
 President
 Mountain View Log Home Sales
 Beatty Avenue
 P.O. Box 298
 Canal Flats, British Columbia
 V0B 1B0
 Tel.: (604) 349-5355
 Fax.:

Mr. Cameron Short
 President
 Nordic Log Homes
 615 Richard Road
 Prince George, British Columbia
 V2K 4P3
 Tel.: (604) 562-1811
 Fax.: (604) 562-9267

Northern Log Homes
 2476 Westlake Road
 Kelowna, British Columbia
 V1Z 2V2
 Tel.: (604) 769-5522
 Fax.:

Mr. Ken Stobbe
 President
 Norwegian Log Homes/Canadian North Log Homes
 P.O. Box 657
 Abbotsford, British Columbia
 V2S 6R7
 Tel.: (604) 853-5944
 Fax.: (604) 852-8099

Mr. Bryan Reid
 President
 Pioneer Log Homes
 R.R. #1, Grebe Drive
 Williams Lake, British Columbia
 V2G 1M3
 Tel.: (604) 392-3271
 Fax.: (604) 398-5660

Mr. Reijo Kovanen
 President
 Reko Log Homes
 R.R. #8, Box 21
 Dahl Road
 Quesnel, British Columbia
 V2J 5E6
 Tel.: (604) 992-8665
 Fax.: (604) 992-5972

Mr. Earl Rouck
 President
 Rouck Brothers Sawmill Ltd.
 R.R. #1
 Lumby, British Columbia
 V0E 2G0
 Tel.: (604) 547-6619/6554
 Fax.:

Mr. Bob Miller
 President
 RSM Drafting Services Ltd.
 P.O. Box 397
 Logan Lake, British Columbia
 V0K 1W0
 Tel.: (604) 523-6200
 Fax.: (604) 523-9992

Mr. John Johnson
 President
 Sitka Holdings Inc.
 C 23, Tatton Road, R.R. #1
 100 Mile House, British Columbia
 V0K 2E0
 Tel.: (604) 791-6683
 Fax.:

Mr. Murray Harris
 President
 Skaha Log Homes
 R.R. #2
 Site 42, Compartment 18
 Oliver, British Columbia
 V0H 1T0
 Tel.: (604) 498-3788
 Fax.:

Mr. Ralph Saunders
 President
 Sugarloaf Log Homes
 P.O. Box 2171, Station R
 Kelowna, British Columbia
 V1X 4K6
 Tel.: (604) 765-9087
 Fax.:

Mr. Fernand April
 President
 Sunset Log Homes
 P.O. Box 138
 North Fork Road
 Lumby, British Columbia
 V0E 2G0
 Tel.: (604) 547-6409
 Fax.:

Mr. Paul Odermatt
 President
 Superior Log Homes
 C #180, East Sheridan Site, R.R. #1
 Lone Butte, British Columbia
 V0K 1X0
 Tel.: (604) 593-4979
 Fax.: (604) 593-4903

Mr. Bob Warren
 President
 Superior Log Construction
 P.O. Box 431
 Rossland, British Columbia
 V0G 1Y0
 Tel.: (604) 362-5859
 Fax.:

Mr. Monty Ollenberger
 President
 Surefit Log Homes
 1192 Gladwin Road
 Abbotsford, British Columbia
 V2S 4N5
 Tel.: (604) 863-7645
 Fax.: (604) 853-5260

Mr. Mark Thornley
 President
 Thornley Log Homes
 586 Lafontaine
 Golden, British Columbia
 V0A 1H0
 Tel.: (604) 344-6425
 Fax.:

Mr. Harvey Frame
 Timberline Log Homes
 P.O. Box 1056
 Sooke, British Columbia
 V0S 1N0
 Tel.: (604) 642-3594

Mr. Arnie Anderson
 President
 Top Notch Log Homes
 P.O. Box 488
 Hudson Hope, British Columbia
 V0C 1V0
 Tel.: (604) 783-9412
 Fax.:

Mr. Dennis Forsythe
 President
 Triple Lodge
 3D-9 Knutsford
 Kamloops, British Columbia
 V0E 2A0
 Tel.: (604) 372-2318
 Fax.: (604) 372-2318

Mr. Ike Shimizu
 President
 True-Craft Sales and Marketing Inc. (CFP)
 Royal Bank Building, Room 400
 675 West Hastings Street
 Vancouver, British Columbia
 V6B 4Z1
 Tel.: (416) 479-0941
 Fax.:

Mr. Ron Fell
 President
 Trunor Log Industries (1976) Ltd.
 Farmington, British Columbia
 V0C 1N0
 Tel.: (604) 843-7507
 Fax.:

Mr. Brent McIvor
 President
 Ultimate Log Homes Ltd.
 Whistler, British Columbia
 V0M 1J0
 Tel.: (604) 932-4196/932-6000
 Fax.: (604) 932-6077

Woodstone Construction
 Villam Road
 Solntula, British Columbia
 V0N 3E0
 Tel.: (604) 973-6422
 Fax.:

Manitoba

Mr. Roy Johnson
 President
 Colonial Log Mills Limited
 P.O. Box 326
 Riverton, Manitoba
 R0C 2R0
 Tel.: (204) 378-2970
 Fax.: (204) 378-2970

Mr. Greg Dandeneau
 President
 Sunset Log Homes
 490 Kavanagh Street
 Winnipeg, Manitoba
 R2J 0L2
 Tel.: (204) 233-9385
 Fax.:

New Brunswick

Mr. Henry J. Reinartz
 President
 Natural Structures and Supplies Inc.
 P.O. Box 92
 Apohaqui, New Brunswick
 E0G 1A0
 Tel.: (506) 433-3455
 Fax.:

Barry and Liz Grant
 Proprietors
 Northern Products Log Homes/Adventure Homes Ltd.
 P.O. Box 35
 Rothesay, New Brunswick
 E0G 2W0
 Tel.: (506) 763-2965
 Fax.:

Newfoundland

Mr. Max Goudle
 President
 Superior Logging Ltd.
 Industrial Park
 P.O. Box 189
 Springdale, Newfoundland
 A0J 1T0
 Tel.: (709) 673-3636
 Fax.: (709) 673-3421

Nova Scotia

Mr. Ronald Melanson
 Acadlan Log Homes Ltd.
 Woodworking Factory
 P.O. Box 35
 Plympton, Digby Co., Nova Scotia
 B0W 2R0
 Tel.: (902) 837-5513
 Fax.:

Mr. William Parks
 Elm Valley Log Homes
 R.R. #2
 Upper Stewlacke, Nova Scotia
 B0N 2P0

Mr. Warren Brubacher
 President
 Tall Timber Log Homes
 R.R. #2, Westville
 Pictou County, Nova Scotia
 B0K 2A0
 Tel.: (902) 396-3445
 Fax.:

Ontario

Mr. Chuck Peacock
 President
 Building With Logs Ltd.
 P.O. Box 132
 Midhurst, Ontario
 L0L 1X0
 Tel.: (705) 726-1966
 Fax.: (705) 721-4798

Mr. G. Edward Cunningham
 G. Edward Cunningham Log Homes
 Box 324
 Erin, Ontario
 N0B 1T0

Mr. & Mrs. Ron and Michele Hore
 Proprietors
 Glandine Log Homes
 Post Office Box 159
 Little Britain, Ontario
 K0M 2C0
 Tel.: (705) 786-2026
 Fax.:

Mr. Scott Hay
 President
 Handcrafted Log Homes by Scott Hay
 R.R. #4
 Flesherton, Ontario
 N0C 1E0
 Tel.: (519) 924-2797
 Fax.:

Mr. Ray Harloff
 President
 Ray Harloff Log and Pine Timber Structures
 R.R. #2
 Holstein, Ontario
 N0G 2A0
 Tel.: (519) 334-3895
 Fax.:

Mr. Joe Doucett
 President
 Heritage Log Homes Limited
 R.R. #2
 Carleton Place, Ontario
 K7C 3P2
 Tel.: (613) 257-4821
 Fax.:

Mr. Larry Power
 President
 Larry Power Log & Timber
 Structures
 R.R. #1
 Fraserville, Ontario
 K0L 1V0
 Tel.: (705) 944-8801

Mr. Jim Connell
 President
 Log Craft Inc.
 R.R. #3
 Perth, Ontario
 K7H 3C5
 Tel.: (613) 267-4605
 Fax.:

Mr. Robert Peverly
 Logsmith Homes
 P.O. Box 1182
 Peterborough, Ontario
 K9J 7H4
 Tel.: (705) 742-0999
 Fax.:

Mr. Pat Murphy
 President
 Pat Murphy Construction
 P.O. Box 774
 Minden, Ontario
 K0M 2K0
 Tel.: (705) 286-2816

Mr. Alfredo Rico/
Mr. Glenn Diezel
Northern Timberhouse
P.O. Box 71
Minden, Ontario
K0M 2K0
Tel.: (705) 286-3791

Mr. Brian Coldin
Pine Ridge Log Homes &
Timber Structures
R.R. #2
Stouffville, Ontario
L4A 7X3
Tel.: (416) 640-4063

Mr. Jeffrey S. Moore
President
Timberlane Traditional
P.O. Box 329, R.R. #1
Erlin, Ontario
N0B 1T0
Tel.: (519) 942-0132
Fax.:

Mr. James D. Callaghan
President
Trappeur Log Homes Limited
P.O. Box 13287
1628 Dunrobin Road
Kanata, Ontario
K2K 1X4
Tel.: (613) 839-5832
Fax.:

Mr. Robert Vlet
President
Robert Viets Log and Timber Homes
R.R. #2
Carleton Place, Ontario
K7C 3P2
Tel.: (613) 257-2225
Fax.:

Mr. Chas Cachagee
President
Vertical Log Homes and Buildings
General Delivery
South River, Ontario
P0A 1X0
Tel.: (705) 386-0278
Fax.:

Quebec

Mr. Pete Cousineau
Capital Log Structures
R.R. #1
Buckingham, Quebec
J8L 2W7

Mr. Doug Luklën
 President
 Doug Luklën Structure and
 Designs Inc.
 P.O. Box 501
 Morin Heights, Quebec
 J0R 1H0
 Tel.: (514) 226-8558

Mr. Rejean Bondu
 President
 Les Maisons de Pieces Bondu du Quebec Inc.
 Lac du Cerf
 Labelle, Quebec
 J0W 1S0
 Tel.: (819) 597-2612
 Fax.:

Mr. Donald Ouellet
 President
 Maisons de Billots Ouellet et Freres Inc.
 366, Petit Lac
 Saint-Patrice de Beaurivage, Quebec
 G0S 1B0
 Tel.: (418) 596-2539
 Fax.:

Mr. Louis Hansen
 Structures en Bois Massif Hansen Engr.
 Box 394
 Wakefield, Quebec
 J0X 3G0
 Tel.: (819) 459-3527
 Fax.:

Mr. Martin Bergeron
 Les Construction Hostia Inc.
 1125 Chemin Pinerale
 R.R. #1
 Chenerville, Quebec
 J0V 1E0
 Tel.: (819) 428-3991
 Fax.: (819) 428-4387

Mr. Russ Zietz
 Tall Pine Log Crafts
 Box 9, R.R. #3
 Wakefield, Quebec
 J0X 3G0
 Tel.:
 Fax.:

Saskatchewan

Mr. Robert Stewart
 President
 Uncle Tom's Logs (1987) Ltd.
 20 Clare Crescent
 Saskatoon, Saskatchewan
 S7J 2P7
 Tel.: (306) 956-3008
 Fax.:

Yukon

Mr. William (Bill) Bowle
President
Arctic Inland Resources Ltd.
P.O. Box 190
Dawson City, Yukon
Y0B 1G0
Tel.: (403) 993-5240
Fax.: (403) 993-5535

Mr. Larry Lebedoff
President
Discovery Log Construction
Site 10, Comp 8, R.R. #1
Whitehorse, Yukon
Y1A 4Z6
Tel.: (403) 668-2414
Fax.:

Mr. Del Mikkelsen
President
J.D. Mikkelsen Contracting
General Delivery
Beaver Creek, Yukon
Y0B 1A0
Tel.: (403) 862-7515
Fax.:

Mr. Vern Paylor
President
K V Sawmills
P.O. Box 4699
Whitehorse, Yukon
Y1A 3V7
Tel.: YS Channel 2M5196
Fax.:

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