



HOMES

"A HOME FOR THE FUTURE"

THOMAS J. ROTHSCILLER, President

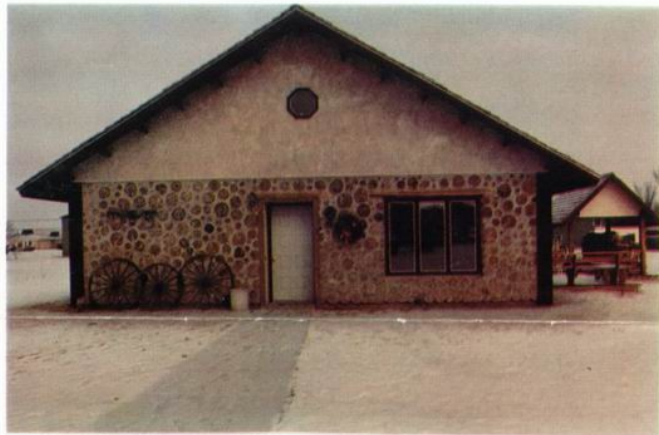
1475 South 2nd Street - Box 418

Carrington, North Dakota 58421

Phone 701-652-2022

Wats 1-800-732-9974

- Two foot wall with foam (no formaldehyde) insulation yields R 71.98
- Roof total R 40.59
- Overall R 50.58
- Durability-known ages of existing log-end buildings 100 to 200 years old in the St. Lawrence Valleys, and 40 to 90 years old in Manitoba



- Structural strength - walls carry 15 to 20 short tons per lineal foot at failure, twenty times the design load.
- Logs can be treated to prevent deterioration.
- Fire protection - 2 to 6 hours which is equivalent to a fire wall. Smoke generation is no greater than heavy timber. Flame spread is much less than wood paneling.

- Moisture management excellent - water vapor moves along wood grain many times faster than across wood grain
- Decibel outside noise level very low. Study to be completed soon.
- Special cement mix for extra strength - 3.4 times stronger than normal cement
- Excellent acoustics



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- Approved construction by HUD-FHA-VA and FMHA
- Walls can be stuccoed, dry-walled, paneled if you desire
- Building costs are equal to wood frame construction
- With very little additional cost our home will qualify as a fallout shelter as determined by the North Dakota State Emergency Disaster Service

- Energy Consumption - Figures provided by Ottertail Power Co. and Tri County Electric REA shows twelve homes in our area averaged 34321 K.W.H. annualized Consumption. Our home used 18969 K.W.H. annualized. The usage was almost doubled showing a net average savings of \$897.44.
- Safety - because of the sheer mass of the wall it would indicate a higher safety factor in case of windstorm, hurricane or other natural disasters. In case of hailstorm, minimum damage would occur
- Utilization of 3" to 12" standing dead timber provides an unlimited supply. These logs are not usable to the lumber industry because of their size and invariably are piled and burned. The U.S. Forest Service encouraged our project.
- Minimal maintenance required
- Reduced insurance premiums
- Reduced or no air conditioning costs

LOG END HOMES
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