

Thermo-Groove™ Six Seal System*, Another First!

“The best just keeps getting better! I’ve built quite a few of these homes, and the new Thermo-groove™ system is very impressive. Better thermal performance equals a better investment for the customer. It’s a pleasure to work with True North, where continuous product improvements really mean something.”

– Doug Mason Construction, True North builder, homeowner

True North’s new Thermo-groove™ six seal system* is an example of the kind of research and technology that makes True North the #1 choice among log homebuyers today.

FURTHER IMPROVING THE TRUE NORTH LOG JOINERY SYSTEM

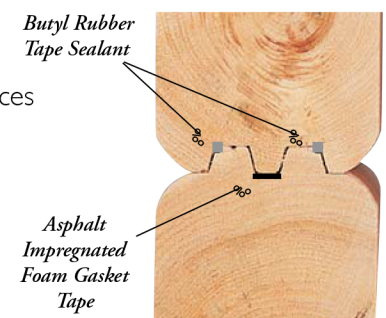
The newly released Thermo-groove™ six-seal patent pending system* is a recent innovation for True North Log Homes and available on our 8”x12”, 10”x12” and 12”x12” logs. The True North tongue and groove technology is designed with six channels to accommodate the butyl rubber tape sealant and the asphalt impregnated foam gasket tape. The outside channels are angled to accommodate the butyl tape. During construction, this unique angle prevents the butyl tape from falling off while setting the log above and actually increases the seal from 1/4” to 3/8” as we are utilizing the diagonal of the butyl tape instead of the width from side to side. This increases performance without the extra cost of a 3/8” seal. The channels also prevent the sealant from being completely flattened out by the upper log, so when movement occurs in the logs, a sufficient amount of sealant is still able to flex. The remaining four channels are designed to accommodate the asphalt impregnated foam tape. The foam tape provides insulation value and when compressed 50% it becomes waterproof.

The thermal performance can be compared to a thermal pane window: if the six seals represent six panes of glass, the trapped air space between the glass will act as an insulator. Each section of dead air space between the tongue and groove seals reacts in the same way thereby improving thermal performance.

The Thermo-groove™ six-seal tongue and groove system* enhances thermal performance and significantly improves the sealing capabilities of the tongue and groove joints between the logs.

The original three seal tongue and groove system, as shown to the right, is used with our 6”x12” log construction.

THREE SEAL SYSTEM



* U.S.A. & Canadian Patent pending

Corner Profiles and Posts

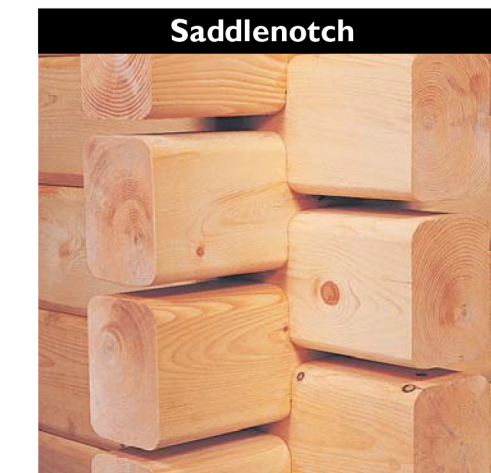
TRUE NORTH LOG CORNERS

The strength of any building is the corner. The cornerstone, as they say, of a log home is even more important. The major problem is log home corner joinery separation. True North has resolved this problem by incorporating their patented Keylock Air Seal Corner® into every True North home!

True North applies only the most advanced corner systems and technologies into your log home. These systems include the dovetail, saddlenotch and post corners, unlike other builders who opt for the easier to produce “butt and pass” system, which is prone to separation due to a lack of interlocking capabilities. True North backs up their corner technology with a 25-Year Zero Air Infiltration Warranty.



Proven by design to be the most durable method of construction, the dovetail corner has unique water-shedding capabilities. All angles lead out of the corners so water will never remain at the joint.



The saddlenotch system creates a traditional log cabin appearance, while the incorporation of interlocking logs strengthen the corner. Available in round groove, outside “D” and double “D” logs.



ROUND LOG TIMBER TRUSSES AND PENTA-POST CORNER OPTIONS

True North Log Homes believes that every home should be as unique as its owner. We offer several custom interior and exterior design features to help define your home. Hand-crafted round log or square timber trusses can be integrated into most any design, to enhance the rustic log home feel.



Large irregular windows or prow-shaped fronts most commonly seen in chalets can be achieved by using True North’s penta-post corner system. This revolutionary joinery system allows the interlocking log assembly to conform to irregular angles without compromising the wall integrity.

Ask your True North dealer about these and other design innovations that will enable you to set your log home apart.