

Lumber and building materials

Long Length Finger Joined Lumber

Cost Effective Straightness Up to 36 Feet

- Straight, Strong, Stable
- Lightweight KD-SPF
- Engineered and tested to predict performance
- Easy to work with
- Meets window and door manufacturer requirements
- Ideal for tall walls that require extreme straightness



Long Length Finger Joined Lumber (LLFJ)

- Tall shear walls
- Headers, columns and posts
- Residential and commercial applications

LLFJ Introduction

Canfor's engineered finger joined lumber products are made from kiln-dried Spruce-Pine-Fir (SPF). The candidate material is specifically selected for this application. Finished lengths of up to 36 feet are achieved by finger joining shorter pieces together.

Each final length piece is in-line machine tension tested to ensure a minimum joint strength. The process of finger joining the lumber to achieve longer lengths delivers superior straightness, stability and consistent performance for demanding applications including tall walls and trusses. This product has all the advantages and attributes of solid wood – strength, nail holding, stiffness, ductility.

Long Length Finger Joined Lumber	22"	24"	26"	28"	30"	32"	34"	36"	Pieces per package
2-6 SPF #2 & Btr	★	★	★	★	★	★	★	★	90
2-8 SPF #2 & Btr	★	★	★	★	★	★	★	★	70
2-10 SPF #2 & Btr	★	★	★	★	★	★	★	★	50

Product Benefits

- Superior straightness when compared to solid wood substitutes
- Superior stability, less likely to warp or twist
- Easy to cut, nail and drill – behaves just like solid lumber
- Cost effective alternative to other engineered products such as laminated strand lumber & laminated veneer lumber (LSL, LVL)
- Light in weight when compared to LSL & LVL

Product Applications

- Long length roof rafters
- Balloon wall components & hybrid construction methods
- Tall walls, that require extreme straightness

Quality Control

- Visual override to ensure minimum wane in joints and to maximize joint quality
- In-line moisture meter and tension testing
- Off-line tension bending and delamination testing for joint quality

Technical Specifications

Segments are stress rated using National Lumber Grades Authority Special Product Standard. Dimensional lumber that has been graded by mechanical stress rating equipment and manufactured under SPS-2.

Finger joined using 15/16" finger length for maximum gluing surface and strong joints. Melamine Formaldehyde adhesive for exterior quality joints. Finger joined using Western Wood Products Association Glued Lumber Products Procedures 101.05 and the American Lumber Standards Glued Lumber Policy.

LLFJ lumber is accepted by North American Building Code authorities under the following regulations :- ICC 2006 International Building Code, section- 2303.1.1 - AF&PA 2005 National Design Specification, s.4.1.6 - NRC 2005 National Building Code of Canada, sentence A-9.23.10.4 (1).

Finger joined lumber should be utilized according to local building codes and regulations.

Interchangeable with solid lumber of the same species and visual grades. Design Values (bending, tension, compression, stiffness, nail holding) are the same as for solid lumber of the same species and grade.

In-line tension proof loading to 2.1 times design tension value for grade.

Dunnage attached, heavy duty wrap applied for Rail or truck delivery.