



PFS Corporation

1507 Matt Pass

Cottage Grove, WI 53527

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BUILDING COMPONENT ACCEPTANCE REPORT NO. 1278-1

1. TYPE OF ACCEPTANCE

Original Date of Acceptance 6/26/02 Revision Date 5/8/09 Mill No. 628
Applicable PFS 1300 Series Document (Number) PFS Certification Requirements Covering Structural Composite Lumber (PFS -1317)

2. IDENTIFICATION

Manufacturer LAMCO Forest Products, Inc. Telephone No. 418-679-2647
Address 760 Chemin de la Moraine, St-Félicien (Québec) Canada G8K 0A1
Name of Inspection Agency PFS Corporation – 1507 Matt Pass – Cottage Grove, WI 53527 608-839-1344

3. DOCUMENTS SUBMITTED

Calculations and/or Test Data (Date Stamped 4/30/09)
PFS Test Report #07-61 Sheets 1 thru 60
Sheets _____ thru _____

Calculations and/or Test Data (Date Stamped 5/7/09)
Robbins Design for Evaluation of Relam-LFS Sheets 1 thru 13

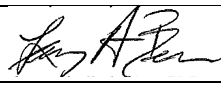
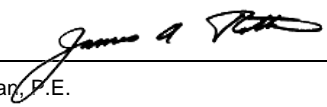
Quality Assurance Manual (Date Stamped 5/9/08)
QC Manual Section 1 thru 9

4. **DESCRIPTION OF BUILDING COMPONENT** See attached Listed Engineered Products page and one American – one Canadian PFS Certificates of Conformance. Relam® components are edge laminated and finger-jointed black spruce and jack pine up to 32 feet in length. Available in depths up to 16-in. and thickness of 1-7/16 up to 1-1/2. Made using Hexion Adhesive (Phenol-Resorcinol-Resin)

5. **APPLICABLE CODES OR STANDARDS** LAMCO RELAM-LFS® products bearing the PFS mark are listed by the PFS Corporation to ASTM D 5456-06 (Evaluation of Structural Composite Lumber Products as referenced in Model Codes) for use in HUD manufactured homes, modular buildings, and conventional site built construction.

6. **LIMITATIONS OF ACCEPTANCE (IF ANY)** Holes or notches using criteria for solid sawn lumber per NDS and as substantiated by engineering calculations verified by a registered professional engineer using the criteria for solid sawn lumber.

This is a Building Code Acceptance Only. For building components to be certified, an accepted concurrent QA Program is also required.

Prepared By: 	Reviewed By: 
Larry Beineke PhD, P.E. PFS Wood Scientist	James A. Rothman, P.E. Sr. Vice President – Q.C.
Date Signed: 5/8/09	Date Signed: 5/8/09

This BCAR expires:

- three (3) years from the above revision date,
- 18 months after the applicable new or revised standard(s) listed in section 5 above are published, or
- when the updated code(s) listed in section 5 above are adopted, whichever is sooner.

LISTING BY BUILDING COMPONENT ACCEPTANCE REPORT (BCAR)

Manufactured building components are listed by Building Component Acceptance Report (BCAR). The identification of fabricator, documents submitted for acceptance, description of building component, applicable codes or standards, and limitation of acceptance are contained in the report. The report number identified in the PFS Listing Directory is the BCAR Acceptance Number.

The presence of the PFS trademark as shown below is identification of a listed building component.



The promulgation of the BCAR is contingent upon the manufacturer entering into a contract with PFS for follow-up quality control service and product listing. Under the Trademark License Agreement with PFS the manufacturer of a building component submits documents to PFS for review and acceptance. Upon final PFS acceptance, a BCAR is issued and the manufacturer is authorized to attach labels or other authorized evidences of the PFS trademark to his building component which is found by him to be in compliance with the PFS BCAR. Representatives of PFS perform periodic inspections and/or tests of the component at the factory or from time to time elsewhere. Failure to comply with this Agreement may result in withdrawal of the PFS trademark.



LAMCO FOREST PRODUCTS
Listed Engineered Products 4 & 5

RELAM - LFS® - STRUCTURAL COMPONENTS - GRADE 18F

THICKNESS	DEPTH	FLEXURAL BENDING STRENGTH F_b^1	TENSION PARALLEL TO GRAIN $F_t^{1,2}$	SHEAR PARALLEL TO GRAIN F_v^1	COMPRESSION PERPENDICULAR TO GRAIN $F_{c\perp}^1$	COMPRESSION PARALLEL TO GRAIN $F_{c\parallel}^1$	MODULUS OF ELASTICITY $E^1 \times 10^6$
INCHES		POUND PER SQUARE INCH - PSI					
1 ⁷ / ₁₆ to 1 ¹ / ₂	2.5	2,150	1,585	180	830	1,925	1.6
	3.5	2,150					
	5.5	2,150					
	7.25	2,000					
	9.25	1,900					
	11.25	1,800					
	14	1,700					
	16	1,650					

RELAM - LFS® - STRUCTURAL COMPONENTS - GRADE 20F

THICKNESS	DEPTH	FLEXURAL BENDING STRENGTH F_b^1	TENSION PARALLEL TO GRAIN $F_t^{1,2}$	SHEAR PARALLEL TO GRAIN F_v^1	COMPRESSION PERPENDICULAR TO GRAIN $F_{c\perp}^1$	COMPRESSION PARALLEL TO GRAIN $F_{c\parallel}^1$	MODULUS OF ELASTICITY $E^1 \times 10^6$
INCHES		POUND PER SQUARE INCH - PSI					
1 ⁷ / ₁₆ to 1 ¹ / ₂	2.5	2,450	1,800	205	945	2,190	1.8
	3.5	2,450					
	5.5	2,450					
	7.25	2,450					
	9.25	2,450					
	11.25	2,340					
	14	2,200					
	16	2,140					

RELAM - LFS® - STRUCTURAL COMPONENTS - GRADE 24F

THICKNESS	DEPTH	FLEXURAL BENDING STRENGTH F_b^1	TENSION PARALLEL TO GRAIN $F_t^{1,3}$	SHEAR PARALLEL TO GRAIN F_v^1	COMPRESSION PERPENDICULAR TO GRAIN $F_{c\perp}^1$	COMPRESSION PARALLEL TO GRAIN $F_{c\parallel}^1$	MODULUS OF ELASTICITY $E^1 \times 10^6$
INCHES		POUND PER SQUARE INCH - PSI					
1 ⁷ / ₁₆ to 1 ¹ / ₂	2.5	2,785	2,175	250	945	2,660	2.0
	3.5	2,785					
	5.5	2,785					
	7.25	2,600					
	9.25	2,450					
	11.25	2,330					
	14	2,200					
	16	2,130					

NOTES

1. Not adjusted for end use.
2. The listed value of Ft is for a length of 88-inches or less. For up to 32-foot lengths, calculate allowable tensile stress Ft' at Length L, using: $F_t' = F_t(88 / L)^{0.134}$, where L = Length of member (inches) and Ft = listed value herein.
3. The listed value of Ft is for a length of 88-inches or less. For up to 32-foot lengths, calculate allowable tensile stress Ft' at Length L, using: $F_t' = F_t(88 / L)^{0.125}$, where L = Length of member (inches) and Ft = listed value herein.
4. Acceptable for use as rafters, beams, headers, studs, columns, wall plates, joists, and wood trusses.
5. Use 0.44 specific gravity to determine the full range of fastener withdrawal and lateral values in both orientations.

Prepared by

James A. Rothman, P.E.
 Sr. Vice President - Q.C.
 PFS Corporation

8-May-09

Date



Certificate of Conformance

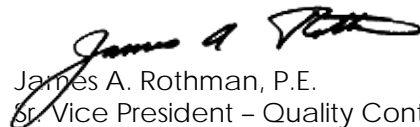
LAMCO Forest Products, Inc.
Québec, Canada

This certifies that "Relam-LFS® – Structural Components" bearing the PFS trademark as listed in PFS BCAR 1278-1 has been manufactured under a quality assurance program accepted by PFS and evaluated using ASTM D 5456 Standard Specification for Evaluation of Structural Composite Lumber Products as referenced in the 2006 *International Building Code*® (IBC) Section 2303.1.9 for Structural Composite Lumber.



This product bears this certification mark –
the PFS mark of quality

For PFS Corporation


James A. Rothman, P.E.
Sr. Vice President – Quality Control



Certificate of Conformance


LAMCO Forest Products, Inc.
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This product bears this certification mark –
the PFS mark of quality

For PFS Corporation


James A. Rothman, P.E.
Sr. Vice President – Quality Control