



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Smartlam NA Enterprises US LLC
P O Box 2070
Columbia Falls, MT 59912

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "IBX Max Core Southern Yellow Pine Glu-Lam Beams and Columns

APPROVAL DOCUMENT: Drawing No. GLU-23-001, titled " Southern Yellow Pine Glu-Lam Timber Beams and Columns ", sheet 1 of 1, prepared by Britt, Peters, & Associates, Inc. consulting Engineers, dated November 15, 2023, signed and sealed by David F. Impson, P.E., on December 07, 2023, bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and the approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each beam / column shall bear a permanent label with the manufacturer's name or logo and the Miami-Dade County logo.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
12/14/2023

NOA No. 23-1031.02
Expiration Date: 12/14/2028
Approval Date: 12/14/2023
Page 1

Smartlam NA Enterprises US LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. GLU-23-001, titled "Southern Yellow Pine Glu-Lam Timber Beams and Columns", sheet 1 of 1, prepared by Britt, Peters, & Associates, Inc. consulting Engineers, dated November 15, 2023, signed and sealed by David F. Impson, P.E., on December 07, 2023.*

B. TESTS

1. *Test report PFS-TECO Project 23-634 CSA 0112.9 Testing on Henkel Adhesive LOCTITE HB X202 PURBOND for Henkel Corporation, per ASTM D5266, prepared by PFS-TECO, Springfield Laboratory, Report No. 23-634, dated 07/19/2023, all tests were performed by Brian Thompson or other PFS TECO trained staff/technicians under the supervision of Brian Thompson, report signed and sealed by David Impson, P.E., on 10/18/2023.*

C. CALCULATIONS

1. *APA Product Report PR-L326 of IB Max-Core Glulam Beams and Columns IB X-LAM USA, LLC, date Revised 08/08/2022, 5 pages, prepared by The Engineered Wood Association.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

E. MATERIAL CERTIFICATION

1. *Letter of approval for LOCTITE HB Xnn2 PURBOND Adhesives, signed and sealed by Borjen ("B.J") Yeh, P.E., dated March 13, 2019.*

F. OTHER

1. *Letter prepared by Britt, Peters, & Associates, Inc. consulting Engineers, dated October 24, 2023, signed and sealed by David F. Impson, P.E., on December 07, 2023, certifying the Smart Lam Glulam Beam and Column Product as described in the approved drawing is in compliance with the Florida Building Code, 2023 Edition.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1031.02
Expiration Date: 12/14/2028
Approval Date: 12/14/2023

EXCERPTS

EXCERPTS FROM PFS TECO PROJECT 23-634, CSA O112.9 TESTING ON HENKEL ADHESIVE LOCTITE HB X202 PURBOND. TEST RESULTS INDICATED THAT THE SOUTHERN YELLOW PINE SPECIMENS FABRICATED USING HENKEL ADHESIVE LOCTITE HBX202 PURBOND MEET THE REQUIREMENTS SET FORTH IN CSA O112.9, BASED ON THE BINARY STATEMENT FOR SIMPLE ACCEPTANCE RULE IN 4.2.1 OF ILAC-G8:09/2019. BASED ON THE TEST RESULTS, THE HENKEL ADHESIVE LOCTITE HB X202 PURBOND MET ALL REQUIREMENTS OF CSA O122.9 AS INDICATED IN THE FOLLOWING:

- IT MET THE SHEAR STRENGTH AND WOOD FAILURE REQUIREMENTS IN BLOCK SHEAR TESTS [SECTION 5 OF THE STANDARD].
- IT MET THE DELAMINATION REQUIREMENT IN DELAMINATION RESISTANCE TESTS [SECTION 5.6 OF THE STANDARD].
- IT MET THE CREEP [OVERALL AND AT ANY CROSS SECTION] REQUIREMENTS IN CREEP RESISTANCE TESTS IN ENVIRONMENT A, B1, B2, AND C [SECTION 5.7 OF THE STANDARD].

IN ADDITION, ALL SAMPLE PREPARATIONS WERE PERFORMED IN ACCORDANCE WITH THE APPROPRIATE SECTIONS OF THE STANDARD BY PFS TECO PERSONNEL AND WITNESSED BY MR. FRANK SWIEZKOWSKI OF HENKEL; AND ALL TESTS WERE CONDUCTED FOLLOWING THE PROCEDURES PRESCRIBED IN THE APPROPRIATE SECTIONS OF THE STANDARD.

QUALIFICATIONS

REVIEW HAS BEEN PERFORMED IN COMPLIANCE WITH THE HIGH VELOCITY HURRICANE ZONE [HVHZ] REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE - BUILDING SECTION 2315.1.11 AND THIS NOA IS HEREBY GRANTED PROVIDED:

1. THE GLULAM BEAMS AND COLUMNS SHOULD BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED BY THE MANUFACTURER AND APA CONSTRUCTION GUIDE: GLULAM CONNECTION DETAILS FORM T300;
2. THE ALLOWABLE SPANS FOR BEAMS SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED BY THE MANUFACTURER AND APA GLUED LAMINATED BEAM DESIGN TABLES, FORM S475;
3. THE OUTERMOST LAMINATIONS SHALL BE PERMITTED TO BE REPLACED BY DOUGLAS FIR-LARCH LUMBER WITH DESIGN PROPERTIES EQUAL OR GREATER THAN THAT OF THE LAMINATIONS SPECIFIED FOR THE LAYUP.

OPTIMIZATION

PROJECTS THAT CAN OPTIMIZE MATERIAL ON THE AUTOMATED GLULAM PRESS WILL BE MORE COST EFFECTIVE THAN THOSE NEEDING TO BE PRODUCED ON THE COLD SET GLULAM PRESS. FOR ANY QUESTIONS ON BEST PRACTICES OR WHAT TO CONSIDER WHEN OPTIMIZING FOR YOUR PROJECT, PLEASE CONTACT YOUR SMARTLAM REPRESENTATIVE.

AUTOMATED GLULAM PRESS [SYP]

ARCHITECTURAL 24F-V3 AND 24F-V5M1 BEAMS AND COMBO 50-N1D14 COLUMNS

SINGLE BOARD WIDTH GLULAM - 3.125", 5.125", 6.75" 8.5" AND 10.5" WIDE

48.125" [35 LAMINATIONS] MAXIMUM DEPTH - 1.375" LAMINATION THICKNESS

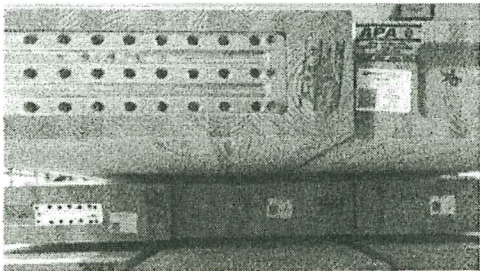
4.125" [3 LAMINATIONS] MINIMUM DEPTH - 1.375 LAMINATION THICKNESS

CAPABLE OF PRESSING MULTIPLE BEAMS AT ONCE

CONNECTIONS

CONNECTIONS PLAY A CRITICAL ROLE IN THE DESIGN OF ANY MASS TIMBER BUILDING. STRUCTURAL SUPPORT, AESTHETICS, COST, FIRE-RATING AND EASE OF INSTALLATION ARE JUST SOME OF THE IMPORTANT CONSIDERATIONS FOR DETERMINING A CONNECTION SOLUTION. CURRENTLY THERE ARE THREE TYPES OR CLASSES OF CONNECTIONS FOR GLULAM.

1. WOOD-TO-WOOD JOINERY OR CARPENTRY [CLASS 1] WHERE GLULAM IS INTERLOCKED USING NOTCHES, HOLES AND TONGUES.
2. CUSTOM STEEL CONNECTORS [CLASS 2], REQUIRE STEEL ANGLES, PLATES AND FASTENERS AND ARE FIT EITHER ON-SITE OR IN THE PLANT.
3. PRE-ENGINEERED AND PROPRIETARY CONNECTORS [CLASS 3] WITH PREDETERMINED DESIGN VALUES AND TABLES INSTALLED DURING MANUFACTURING.



COLD SET GLULAM PRESS [SYP]

ARCHITECTURAL 24F-V3 AND 24F-V5M1 BEAMS AND COMBO 50-N1D14 COLUMNS

SPLITLAM GLULAM [I.E. TWO BOARDS WIDE] 12.25", 14.25", 15.875" AND 18" WIDE

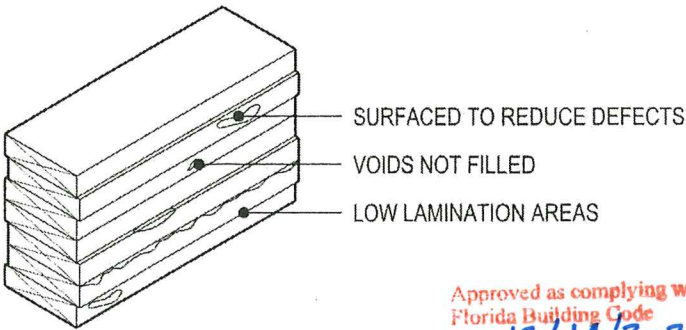
UP TO 60" MAXIMUM DEPTH - 1.375" LAMINATION THICKNESS

MORE LABOR INTENSIVE THAN AUTOMATED GLULAM PRESS

ALABAMA FACILITY | DOTHAN, AL

SPECIES: SOUTHERN YELLOW PINE
BEAMS: 24F-V3, 24F-V4, 24F-V5M1
COLUMNS: COMBINATION #50 N1D14
FINISHES: ARCHITECTURAL AND INDUSTRIAL
SIZES: 60' MAX LENGTH

APPEARANCE CLASSIFICATIONS



INDUSTRIAL APPEARANCE
INDUSTRIAL APPEARANCE IS USED WHERE APPEARANCE IS NOT OF PRIMARY IMPORTANCE

VOIDS AND LOW LAMINATION AREAS ARE NOT FILLED

LIMITED SURFACING TO REMOVE GLUE SQUEEZE OUT - IDEAL FOR CONCEALED APPLICATION

NAMING CONVENTION

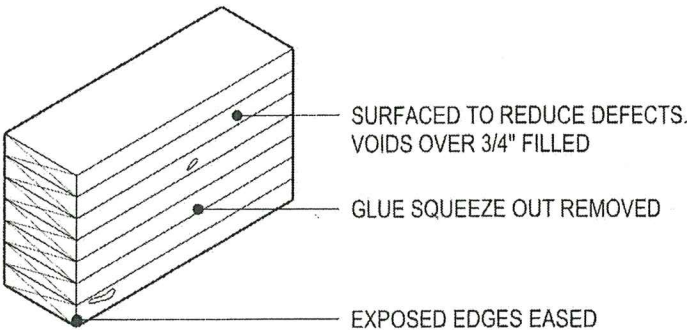
THE ANSI 117 NAMING CONVENTION FOR GLULAM PRODUCTS SPECIFIES THE DESIGN VALUES THAT CORRESPOND TO A PARTICULAR TYPE OF LAYUP.



MONTANA FACILITY | COLUMBIA FALLS, MT

SPECIES: SOUTHERN YELLOW PINE
BEAMS: DF 1.7 19F & DF 2.0E 22F
COLUMNS: COMBO #2 OF #5
FINISHES: ARCHITECTURAL AND INDUSTRIAL
SIZES: 48' OR 51' MAX LENGTH

FOR SPECIFIC SIZE INFORMATION PLEASE SEE OUR GLULAM PRODUCT OFFERING FACTSHEET.



ARCHITECTURAL APPEARANCE
ARCHITECTURAL APPEARANCE BEAMS HAVE A SMOOTH ATTRACTIVE FINISH INTENDED TO BE EXPOSED TO VIEW IN THE FINISHED STRUCTURE

VOIDS LARGER THAN 3/4" ARE FILLED

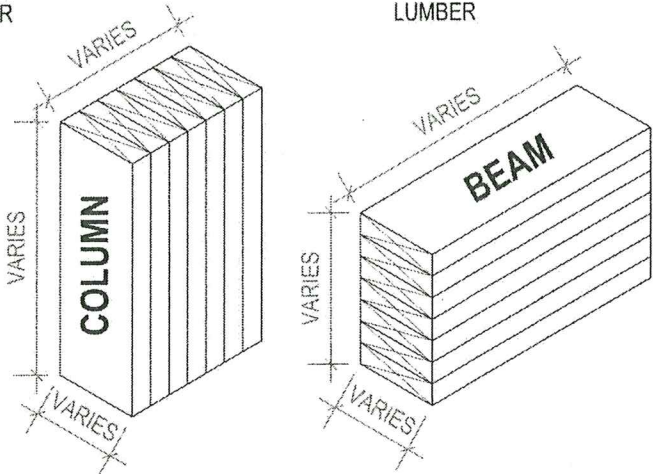
EXPOSED FACES ARE SURFACED AND LOW LAMINATIONS ARE REPAIRED

EXPOSED EDGES ARE EASED

24F-V5M1

ALLOWABLE BENDING STRESS IN PSI X 100
LAYOUT USES VISUALLY GRADED LUMBER

MODIFIED LUMBER
MODIFIED GRADE
SPECIFIC SEQUENCE OF LUMBER



NOTE: GLU-LAM COLUMN AND BEAM TO FOLLOW SPECIFIED DESIGN GUIDELINES DOCUMENT. ALL PRODUCT APPLICATIONS TO BE ENGINEERED PER PROJECT DESIGN.



COLUMBIA FALLS - MONTANA
DOTHAN - ALABAMA
www.smartlam.com

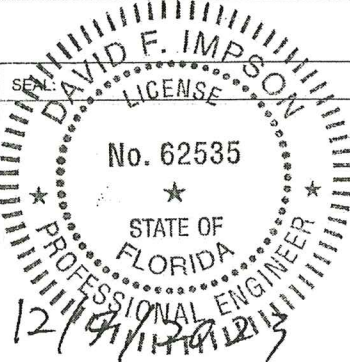
PROJECT INFORMATION:

SOUTHERN YELLOW PINE
GLU-LAM TIMBER
BEAMS AND COLUMNS

STRUCTURAL ENGINEER:



BRITT, PETERS, &
ASSOCIATES, INC.
CONSULTING
ENGINEERS
(980) 999-6122
1307 W MOREHEAD ST
SUITE 205
CHARLOTTE, NC. 28208



REVISIONS

DATE: 11.15.2023

DRAWN BY:

Atelier Mey

WWW.ATELIERMEY.NET

DRAWING NO:

GLU - 23 - 001

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