

What Are Engineered Wood Products? Panel Products WSP – Wood Structural Panels Plywood OSB – Oriented Strand Board Siding Specialty Panels Radiant Barrier Formwork Industrial Panels

Overlaid Panels

APA OSB used as fire rated sheathing

What Are Engineered Wood Products?

Framing Products

- I-Joists
- SCL Structural Composite Lumber
- PSL Parallel Strand Lumber
- LVL Laminated Veneer Lumber
- LSL Laminated Strand Lumber
- OSL Oriented Strand Lumber
- Glulam Glued Laminated Timber





What Are Engineered Wood Products?

Framing Product... or Panel Product

■ CLT – Cross-Laminated Timber





Advantages of EWP Sustainable Predictable

✓ Performance

☑ Less Waste

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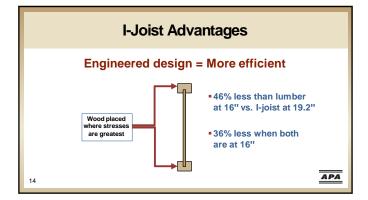
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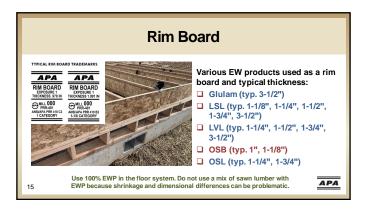




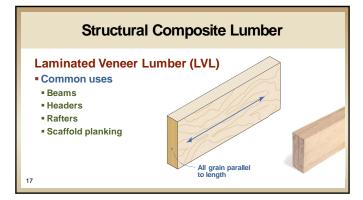




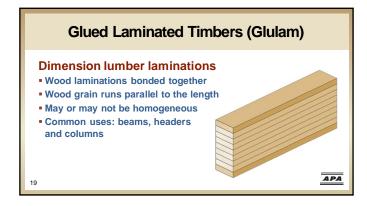


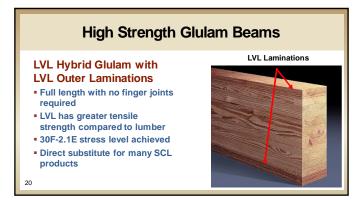


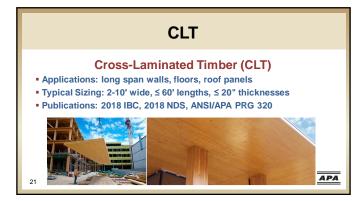


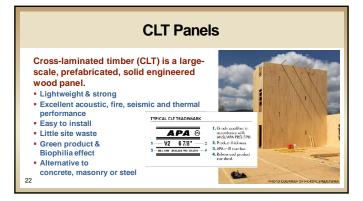


Structural Composite Lumber Laminated Strand Lumber (LSL) Flaked strand length-to-thickness ratio is around 150 Common uses: rim board, studs, stair stringer and headers Oriented Strand Lumber (OSL) Flaked strand length-to-thickness ratio is around 75 Common uses: studs and stair stringer









Code Recognized

Proprietary vs Non-Proprietary

- Lab Tested
- Lab Tested
- **ES Reports**
- Code Design Values
- I-Joists
- Plywood
- Structural
- Composite Lumber (SCL)
- Oriented Strand Board
- Glulam
- Cross-Laminated Timber (CLT)

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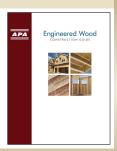


APA Specification Resources

APA Engineered Wood Construction Guide, Form E30

- Free PDF download
- Nominal cost for hard copy
- The single "go to" document for all engineered wood products
- www.apawood.org

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Panel Specifications

- Refer to APA Engineered Wood Construction Guide, Form E30
- OSB
- Plywood
- Concrete Formwork
- Exposure 1 vs Exterior explained

Pomol Specification Guide

CEP ORIGINA 2— CONCRETE FORWARD

A MANUAL CONCRETE FORWARD

Panel Specifications

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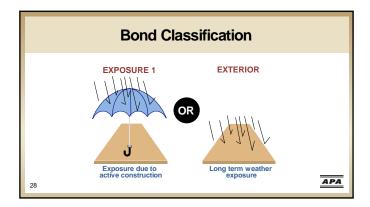
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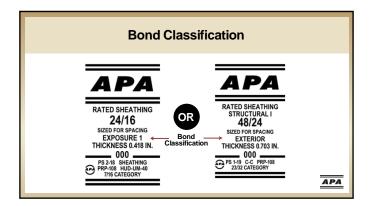
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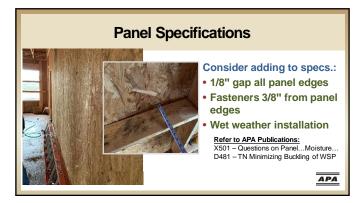
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When specifying panels, designate grade, span rating, bond classification, dimensions (thickness, width x length), edge, APA trademark. Out of Date Specifications 1/2" CDX - C & D veneers, with exterior glue (when panels were made with interior & exterior glue) Previous Specifications 15/32" APA Rated Sheathing, 32/16, Exposure 1 New Terminology www.apawood.org/apa-trademark 15/32 Performance Category, APA Rated Sheathing, 32/16, Exposure 1, nominal 4'x8' (either T&G for tongue and groove or square edge)



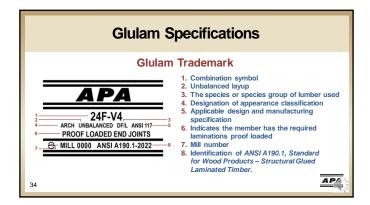


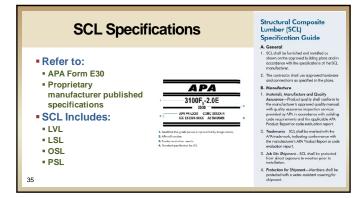


APA Stamp in the Field

Refer to: APA Engineered Wood Construction Guide, Form E30 ANSI A190.1-2022: Product Standard for Structural Glued Laminated Timber Club Construction Guide, Form E30 ANSI A190.1-2022: Product Standard for Structural Glued Laminated Timber Laminated Timber Associated Laminated Timber Application of Structural Glued Laminated Timber Application of Structural Construction C

Glulam Specifications Glulam Beam Combination Symbols 1. Allowable Design Stress 2. Appearance Classification 3. Grading = Visual (V) or Mechanical (E) 4. Assigned combination number of lumber used to assign the design stresses • Shear, Modulus of Elasticity, etc. 5. Wood Species: Commonly DF or SP Common Beam Combinations: • 24F-V4/DF or 24F-V8/DF - F_{bx} = 2,400 psi, or Combination 2/DF - F_{bx} = 1,700 psi • 24F-V3/SP or 24F-V5/SP - F_{bx} = 2,400 psi, or Combination 47/SP - F_{bx} = 1,400 psi • High strength 30F-E1/SP or 30F-E2/SP - F_{bx} = 3,000 psi





I-Joist Specifications	
 Refer to: APA Form E30 APA PRI-400 (residential) APA PRI-405 (commercial) Proprietary manufacturer published specifications 	188-20-NI-HE ROM* (2000 A PA 15-18-XIX-XIX MALE OF PRILAXX ERRAXXX NI. 1. 8.0 cm described by A Particulated Roman (1. 8.0 cm described by A Particulated Roman (1. 8.0 cm described by A Particulated Roman (1. 8.0 cm described Roman (
36	surface at adjoining members and to prevent nation. B. Manufacture 1. Materials, Manufacture and Quality Assurance—Product quality shall conform to the manufacturer's 1. Materials, Manufacture and Quality Assurance—Product quality shall conform to the manufacturer's 1. Materials, Manufacture and Julia and Assurance —Product quality shall be a few and the shall be added to the shall be adde



APA Product Reports

- Report indicates that product meets the intention of the listed codes when used as stated and within the specified limitations.
- Design properties are included.
- Available for download at www.apawood.org

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