



### Proposed Code Modifications

**USER:** Borjen Yeh, APA - The Engineered Wood Association, Product Validation Entity

[Proposed Code Modifications Menu](#) > [Manage Proposed Code Modification](#) > **Alternate Language Detail**

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[Jump to Bottom](#)

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Alternate Language Status Pending DBPR Review

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Code Change Cycle 2020 Triennial Second Comment Period 04/12/2019 - 05/26/2019

#### Text of Modification

## SECTION 2306 ALLOWABLE STRESS DESIGN

### APA—The Engineered Wood Association.

Panel Design Specification

Plywood Design Specification Supplement 1—

Design & Fabrication of Plywood Curved Panel

Plywood Design Specification Supplement 2—

Design & Fabrication of Glued Plywood-lumber Beams

Plywood Design Specification Supplement 3—

Design & Fabrication of Plywood Stressed-skin Panels

Plywood Design Specification Supplement 4—

Design & Fabrication of Plywood Sandwich Panels

Plywood Design Specification Supplement 5—

Design & Fabrication of All-plywood Beams

[EWS-APA-T300](#) Glulam Connection Details

[EWS-APA-S560](#) Field Notching and Drilling of Glued Laminated Timber Beams

[EWS-APA-S475](#) Glued Laminated Beam Design Tables

[EWS-APA-X450](#) Glulam in Residential [Building Construction Guide](#)

[EWS-APA-X440](#) Product and Application Guide: Glulam

[EWS-APA-R540](#) Builders Tips: Proper Storage and Handling of Glulam Beams

## SECTION 2314 HIGH-VELOCITY HURRICANE ZONES

### 2314.4.2

American Institute of Timber Construction, 333 West Hampden Avenue, Englewood, CO 80110 AITC.

1. Typical Construction Details, AITC 104.
2. Code of Suggested Practices, AITC 106.
3. Standard for Heavy Timber Construction, AITC 108.
4. Standard for Preservative Treatment for Structural Glued Laminated Timber, AITC 109.
5. Standard Appearance Grades for Structural Glued Laminated Timber, AITC 110.
6. Standard for Tongue and Groove Heavy Timber Roof Decking, AITC 112.
7. Standard for Dimensions of Glued Laminated Structural Members, AITC 113.
- ~~8. Standard Specifications for Structural Glued Laminated Timber of Softwood Species, AITC 117.~~
- ~~8 9~~ .Standard Specifications for Hardwood Glued Laminated Timber, AITC 119.
- ~~9 10~~ .Technical Report No. 7, Calculation of Fire Resistance of Glued Laminated Timber.
- ~~11. Structural Glued Laminated Timber, ANSI/AITC A190.1.~~

### 2314.4.3

APA The Engineered Wood Association (formerly APA American Plywood Association), ~~P.O. Box 11700 7011~~  
~~South 19th Street~~, Tacoma, WA ~~98411 98466~~.

1. APA Design Construction Guide, ~~Residential and Commercial E30D~~.
2. Plywood Design Specification Y510~~3~~.
3. Plywood Design Specification—Design and Fabrication of Plywood Beams, Supplement No. 1 S811.
4. Plywood Design Specification—Design and Fabrication of Plywood Beams, Supplement No. 2 S812.
5. Plywood Design Specification—Design and Fabrication of Plywood Stressed-Skin Panels, Supplement No. 3 U813.
6. Plywood Design Specifications—Design and Fabrication of Plywood Sandwich Panels Supplement No. 4 U814.
7. Plywood Design Specifications—Design and Fabrication of All-Plywood Beams, Supplement No.5 H815.
8. Plywood Folded Plate, Laboratory Report 21 V910.
9. APA Design/Construction Guide Diaphragms L350.
10. Performance Standards and Policies for Structural-Use Panels PRP-108.
11. 303 Siding Manufacturing Specifications B840.
- ~~12. Standard Specifications for Structural Glued Laminated Timber of Softwood Species, ANSI 117.~~
- ~~13. Structural Glued Laminated Timber, ANSI A190.1.~~

## APA

APA - Engineered Wood Association 7011 South 19th ~~Street~~, Tacoma, WA 98466

Standard reference number	Title	Referenced in code section number
<del>ANSI 117—2015</del>	<u>Structural Glued Laminated Timber of Softwood Species</u>	<del>2306.1</del> 2314.4.3
<del>ANSI/A 190.1—12</del> <del>ANSI A190.1—2017</del>	Structural Glued Laminated Timber	2303.1.3 2306.1 <u>2314.4.3</u>
<del>ANSI/APA PRG 320—2018</del>	<u>Standard for Performance-Rated Cross-Laminated Timber</u>	<del>2303.1.4</del>
<del>ANSI/APA PRP 210—08</del> <del>2014</del>	Standard for Performance-Rated Engineered Wood Siding	2303.1.5 2304.7 2306.3 Table 2306.3(1)
<del>ANSI/APA PRR 410—11</del> <del>2016</del>	Standard for Performance-Rated Engineered Wood Rim Boards	2303.1.13
APA PDS—12	Panel Design Specification	2306.12 2314.4.3
APA PDS Supplement 1—12	Design and Fabrication of Plywood Curved Panels (revised 2013)	2306.12 2314.4.3
APA PDS Supplement 2—12	Design and Fabrication of Plywood-lumber Beams (revised 2013)	2306.12 2314.4.3
APA PDS Supplement 3—12	Design and Fabrication of Plywood Stressed-skin Panels (revised 2013)	2306.12 2314.4.3

APA PDS Supplement 4—12	Design and Fabrication of Plywood Sandwich Panels (revised 2013)	2306.12314.4.3
APA PDS Supplement 5— <del>1216</del>	Design and Fabrication of All-plywood Beams ( <del>revised 2013</del> )	2306.12314.4.3
APA B840— <del>16</del>	<del>303</del> Siding Manufacturing Specifications	2314.4.3
APA L350— <del>07</del>	Design/Construction Guide Diaphragms and Shearwalls	2314.4.3
APA PRP_108— <del>18</del>	Performance Standards and Policies for <del>Structural Use</del> Wood Structural Panels	2314.4.3
APA V910— <del>90</del>	Plywood Folded Plate Laboratory Report <del>121</del>	2314.4.3
<del>APA PRG 320—11</del>	<del>Standard for Performance-Rated Cross-Laminated Timber</del>	<del>2303.1.4</del>
APA <del>EWCG E30—16</del>	Engineered Wood Construction Guide, <del>Form E30</del>	2314.4.3
<del>EWS APA R540—1213</del>	Builders Tips: Proper Storage and Handling of Glulam Beams	2306.1
<del>EWS APA S475—0716</del>	Glued Laminated Beam Design Tables	2306.1
<del>EWS APA S560—1014</del>	Field Notching and Drilling of Glued Laminated Timber Beams	2306.1
<del>EWS APA T300—0716</del>	Glulam Connection Details	2306.1
<del>EWS APA X440—0817</del>	Product Guide-Glulam	2306.1
<del>EWS APA X450—0118</del>	Glulam in Residential <del>Building</del> Construction <del>Guide—Western Edition</del>	2306.1

Date	Attached File
05/10/2019	<a href="#">Mod_7952_A1_TextOfModification.pdf</a>

#### Rationale

At the last Structural TAC meeting in March 2019, there was a confusion on the year of the proposed changes on PDS-Supplements. The intent of my proposal was/is to keep PDS Supplements 1 through 4 without changes, but simply update PDS-Supplement 5 from 2012 to 2016 to reflect its current publication date. In this public comment, I also updated other publications. Note that ANSI 117 was approved by TAC in S7948 and ANSI/APA PRG 320 was simply updated to 2018 and relocated to be with other ANSI standards. I also updated the source sections (2306 and 2314) in which the references are cited as

#### Fiscal Impact Statement

Impact to local entity relative to enforcement of code (553.73(9)(b),F.S.)

No impact to local entity relative to enforcement of code.

Impact to building and property owners relative to cost of compliance with code (553.73(9)(b),F.S.)

No impact to building and property owners relative to cost of compliance with code.

Impact to industry relative to the cost of compliance with code (553.73(9)(b),F.S.)

No impact to industry relative to the cost of compliance with code.

No impact to small business relative to the cost of compliance with code.

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**Requirements**

Has a reasonable and substantial connection with the health, safety, and welfare of the general public (553.73(9)(a)2,F.S.)

This proposal updates the referenced standards published by APA.

Strengthens or improves the code, and provides equivalent or better products, methods, or systems of construction (553.73(9)(a)3,F.S.)

This proposal improves the code.

Does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities (553.73(9)(a)4,F.S.)

This proposal does not discriminate against materials, products, methods, or systems of construction of demonstrated capabilities.

Does not degrade the effectiveness of the code (553.73(9)(a)5,F.S.)

This proposal does not degrade the effectiveness of the code.

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**Is the proposed code modification part of a prior code version?****History**

Date Submitted 04/14/2019

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