| Voter | Vote | Comments | Responses |
| --- | --- | --- | --- |
| Item 1Section 2.11 | **Revise the 1st sentence of Section 2.11 as follows:**In lieu of specific data, the modulus of rigidity shall be taken as 1/16 of the long-span modulus of elasticity, as defined in ASTM D3737 (10), or Etrue for the lowest grade lamination used in the lay-up.**Rationale:** Clarification. **This is an additional change from Item 3 of Ballot 1** in response to a negative vote from Ballot 1. “Etrue” is referenced in the National Design Specification for Wood Construction (NDS) as a shear-free modulus of elasticity, and “long-span E” is referenced in ASTM D3737 specifically for glulam for the same physical meaning. |
| Gilham | Neg | The text indicates using E(true) for the lowest grade lamination in the layup. The revised table A1 added a column with E(true) for each beam layup but table A2 does not have E(true) for the individual laminations. For example, if I wanted to find the modulus of rigidity for a 24F-V4 beam, I would use 1/16 of E(true) for the L3 laminations. Table A2 does not list E(true) for L3 laminations. A design engineer may not understand the addition of the new column in table A1 and would incorrectly assume that the E(true) listed in table A1 to calculate the modulus of rigidity.In Section 2.5 the text references Ex and Ey. The revised table A1 now uses Ex(app) and Ey(app). Section 2.5 should reference Ex(app) and Ey(app) for use in calculating deflections when the span to depth ratio is greater than 14. | Negative was withdrawn based on the addition of the following note to Section 2.11:Note:  The lowest grade lamination used in the lay-up can be found in Annex B.  The Etrue for the lowest grade lamination can be determined from Table A2 based on Etrue = Eaxial, as specified in Section 2.4. |
| Item 2Section 3.1 | **Revise the Section as follows:**Lumber grades shall be in accordance with Annex C of this Standard and Section 4.3 – *Lumber for Laminating* of ANSI A190.1 (4). *~~AITC Grading Handbook for Laminating Lumber~~* ~~(1) summarizes the requirements for laminating grades of approved species and references approved grading rules.~~**Rationale:** **This is a revision from Item 5 of Ballot 1.** The laminating lumber grading rules were previously published in AITC 117-2004 (and earlier versions), but were removed from the standard in 2010. As a result of comments from Ballot 1, the ExSub of this Committee, and the APA and WCLIB members support the addition of the grading rules back to ANSI 117-2015 so that the glulam industry can have consensus-based grading rules. |
|  |  | No comments |  |
| Item 3New Annex C | **Add a new Annex C, as shown in** **Attachment B1**.**Rationale:** See Rationale for Item 2 above. The new annex to ANSI 117-2015 is the same as Annex C to AITC 117-2004 with only some minor editorial changes. This annex is consistent with the current glulam industry practice. |
|  |  | No comments |  |
| Item 4Table 1 Expanded | **Revise Table A1-Expanded, as shown in Attachment B2**.**Rationale:** Add clarification to true (shear-free) E and apparent E. |
|  |  | No comments |  |
| Item 5References | **Revise References, as shown in Attachment B3**.**Rationale:** Update the references for the new Annex C. |
|  |  | No comments |  |
| Item 6Section 1.2 | **Revise the table in Section 1.2, as shown in** **Attachment B4**.**Rationale**: Based on the recommendation from WCLIB. |
|  |  | No comments |  |