

SECTION 02140 – GLUED LAMINATED TIMBER MEMBERS

Replace this Section except for the Section number and title with the following:

(Follow all instructions and make all edits with “Track Changes” turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Description

02140.00 Scope - This Section includes the requirements for glued laminated timber members.

Materials

02140.10 General - Furnish all structural glued laminated lumber as shown and specified.

Manufacture structural glued laminated work according to the manufacturing requirements of the current ANSI/AITC A190.1 American National Standard, Structural Glued Laminated Timber.

Provide quality control according to the AITC 200 Inspection Manual for Glued Laminated Timber.

Furnish lumber that is Douglas fir, southern pine, western larch, or other species, as shown or specified. Use lumber of a stress grade to provide glued laminated members with the minimum stress values in bending and tension shown or specified.

Use adhesives meeting the requirements of the glued laminated lumber standards and be waterproof.

Unless otherwise specified, provide architectural grade appearance of members as defined in AITC 110 Standard Appearance Grades for Structural Glued Laminated Timber.

Seal surfaces of members with penetrating sealer and apply a coat of end sealer to the ends of all members as soon as practicable after end trimming, according to AITC Standard for Preservative Treatment of Structural Glued Laminated Timber. Use a clear sealer compatible with the preservative treatment used according to Section 02210.

Bundle wrap members according to AITC Recommended Practice for Protection of Structural Glued Laminated Timber During Transit, Storage and Erection.

Provide shop details from the fabricator and obtain approval before commencing the Work.
Furnish details according to the current AITC Typical Construction Details.

02140.20 Acceptance - Glued laminated timber members are accepted according to 00165.35 and this Section.