

## **Quality control considerations for developing structural glued-laminated timber (glulam) using South American wood species**

Roland Hernandez, TECO  
TECO  
Sun Prairie, WI, USA

### **Executive Summary**

Structural glued-laminated timber (glulam) manufactured in South America for the purpose of export to the United States must meet the requirements outlined in the American National Standard, *Structural Glued Laminated Timber* (ANSI/AITC A190.1-2007).

This presentation will discuss the requirements for glulam production, which include specifications on sizes and tolerances, grade combinations, lumber, adhesives, appearance grades, and manufacture. This presentation will also describe the various aspects of a quality control system, which includes plant qualification, daily quality control, the functions of an accredited inspection agency, and product marking.

An example layup design will be presented which utilizes a South American wood species

**Keywords:** Glued-laminated timber, Glulam, South American species, grading, quality control.