

Development of Wood Floor System Instructional Videos

A series of web-based videos are being developed to help keep the housing industry aware of construction techniques that improve quality of construction. The instructional videos identify the most common wood floor system performance issues and recommend construction practices that will minimize problems or prevent them from occurring. Three instructional modules will be developed in the video mini-series:

- An overview of the wood floor system
- Subfloor construction issues and remedies
- Floor covering installation tips

Background

The NAHB Research Center has developed several instructional videos to improve the quality of construction in housing. The videos have focused on recurring performance issues. Noise, deflection, and uneven installations are common performance issues that occur when wood flooring systems are installed. We will focus on key factors such as fastening methods, product spacing, “acclimation,” moisture content, product preparation, and manufacturing instructions, which are critical to preventing common performance issues.

Objective

The objective of this project is to develop instructional videos that can be used for professional development and continuing education within the housing industry. The videos will be deployed on the website of the Forest Products Laboratory Advanced Housing Research Center to educate users and provide a brief introduction to construction techniques that improve the performance of wood floor systems. The videos will also be posted on the NAHB Research Center website (www.fpl.fs.fed.us).

toolbase.org). APA–The Engineered Wood Association and the National Association of Home Builders may also distribute the videos through their education network.

Approach

We will videotape construction methods and techniques that are known to minimize performance issues with wood subfloor construction and floor covering installation (based on APA field services information, product manufacturing instructions, and builder experience).

Expected Outcomes

The videos will be a valuable resource for the housing industry and building science community. The video series can be expanded in the future to include other areas of construction (such as roofing, foundations, plumbing, and HVAC).

Timeline

- Develop preliminary shooting schedule--October 2010
- Preliminary narration for video and all video shooting (at construction site)--November 2010
- Review rough-cut video footage--December 2010
- Re-shoot additional video content (based on review) --January 2011
- Complete first phase of video editing (deliver “rough cut” DVD)--February 2011
- Complete all additional edits and clarifications of content--April 2011
- Deliver final web-based videos and DVD version to FPL--May 2011

Cooperators

NAHB Research Center
USDA Forest Service, Forest Products Laboratory
National Association of Home Builders' Building
Products Issues Committee
APA–The Engineered Wood Association

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