



**F A C S I M I L E T R A N S M I S S I O N**

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To: Del Kitching  
 Company: Whalen Jack

From: Ray Clark, Product Support Specialist  
 Technical Services Division

Subject: Impact on shear wall design values of a 1-1/8" diameter hole in APA  
 plywood Rated Sheathing

The following is in response to your inquiry regarding the impact on shear wall design values due to a 1-1/8-inch diameter hole in 3/8-inch or 1/2-inch APA plywood Rated Sheathing

Shear wall design values are fundamentally based on the nailed connection that attaches the wood structural panels to the framing members. Once the shear is transferred into the panel by the nails, then the panel must be strong enough to resist the internal panel shear. For typical shear walls, the strength of the sheathing is far greater than the shear force that could possibly be transferred into the panel. We would anticipate a single 1-1/8" hole drilled into APA Rated Sheathing would have no effect on shear wall design values.

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