



HD Engineering & Design

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5/25/22

SAB Homes

Re: Brookline Custom (HF029)
2039 SW Hook Farms Drive

Notched Joist at Drain Line

The plumber has notched the top of the floor joist above the master closet to allow passage of a drain line. A 5' section of 2x6 has been sistered to the bottom section of floor joist centered below the notch. The 2x6 reinforcing will allow the joist transfer load as intended. The joist has a knot below the notch with a small split that may weaken the joist. Our firm recommends installing a 24" long minimum 18 gauge x 1.5" strap to the bottom of the floor joist to prevent any growth in the split. The straps to be fastened per the manufacturer recommendations.

With the addition of the strap noted above our firm recommends approval of the joist repair.

This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted engineering practices. No warranties, either express or implied, are intended or made.

We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact us.

Very truly yours,
HD ENGINEERING & DESIGN, INC.

John Hulse, Principal



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STRUCTURAL REVIEW
HD ENGINEERING & DESIGN
HD: 42844 DATE: 5/25/22