



HD Engineering & Design

Solutions for all your engineering and design needs

October 14, 2022

SAB CONSTRUCTION, LLC

Re: Solaia (HFR054)
2808 SW Hearthstone Place
Lee's Summit, MO

Our firm has been asked to make structural recommendations for the house being built at the address listed above. During the rough in inspection process the AHJ has questioned items. Below is a list of our recommendations along with the corresponding city item.

Over-cut Rafter Seats

The framer has over-cut the seats of the rafters at the Dining Room box vault and left inadequate bearing at the overframed beam. The unsupported portion of the seat cut requires additional reinforcing per the attached "OVER-CUT RAFTER SEAT 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 expressed 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



THIS DOCUMENT CONTAINS
COPYRIGHTED MATERIAL AND
CONFIDENTIAL INFORMATION
BELONGING TO HD ENGINEERING.
UNAUTHORIZED USE, DISCLOSURE,
DISSEMINATION, OR DUPLICATION OF
ANY OF THE INFORMATION
CONTAINED HEREIN MAY RESULT IN
LIABILITY UNDER APPLICABLE LAW.

STRUCTURAL REVIEW
HD ENGINEERING & DESIGN
HD: 43897 DATE: 10/14/2022

HD ENGINEERING & DESIGN

OVER-CUT RAFTER SEAT REPAIR

BUILDING LOCATION: 2808 SW HEARTHSTONE PLACE

WALL LOCATION: DINING ROOM BOX VAULT

