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10/23/2023

STARR HOMES, LLC.

**RE: DETACHED GARAGE PORTAL
LOT 3A/4A NE PROMISED VIEW
LEE'S SUMMIT, MO**

Our firm has been asked to structural framing guidance for field change of the detached garage overhead door openings.

Portal Frame Height at Detached Garage

The client has requested an increase from 8' to 9' for the door height. The current foundation configuration does not have foundation stems at the narrow wall portions. The increase in door height combined with the size of the header required will push the top of the portal frame to height greater than 10' above foundation.

The floor elevation of the the garage for the given topography required foundation walls to be extended to front wall line of the garage. The portal header will be in contact with the foundation walls at each side. The resistance provided by the foundation will eliminate the lateral force transfer in the frame.

Our firm recommends approval of the increased height of the portal frame.

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



STRUCTURAL REVIEW
HD ENGINEERING & DESIGN
HD: 42639 DATE: 10/17/2023