



# HD Engineering & Design

*Solutions for all your engineering and design needs*

10/28/2021

Roeser Homes  
11415 Strang Line Road  
Lenexa, KS 66215

## **Re: 3022 NW Thoreau Place**

Our firm has been asked to address framing inspection items for the home being built at the location listed above. At the time of inspection the home was in a rough framed state.

### Floor Framing Above Garage

The 2x10 floor joist fir the upper level over the two car garage have been extended to the front wall of the home. The framer has installed 2x10 blocks between the joist to provid3 attachment of the jack trusses. To allow proper transfer of the loads imposed a LS90 clip will be placed at each end of the blocks for attachment to the floor joist. With the addition of the framing clips our firm recommends approval of this item.

### LVL at Dining Room

The plans call for a double 9-1/2" LVL running front to back at the niche of the dining room. The in field installation of this LVL is as intended on the drawing. The LVL installed will transfer load as intended.

Our firm recommends approval of this item as framed.

### Girder Truss at Entry

The inspector has questioned the end support of girder B1 at the side wall of the front entry. The interior end of B1 has no vertical load component as indicated in the truss packet, this is a cantilevered portion.

Our firm recommends approval of this item as framed.

Continued.....



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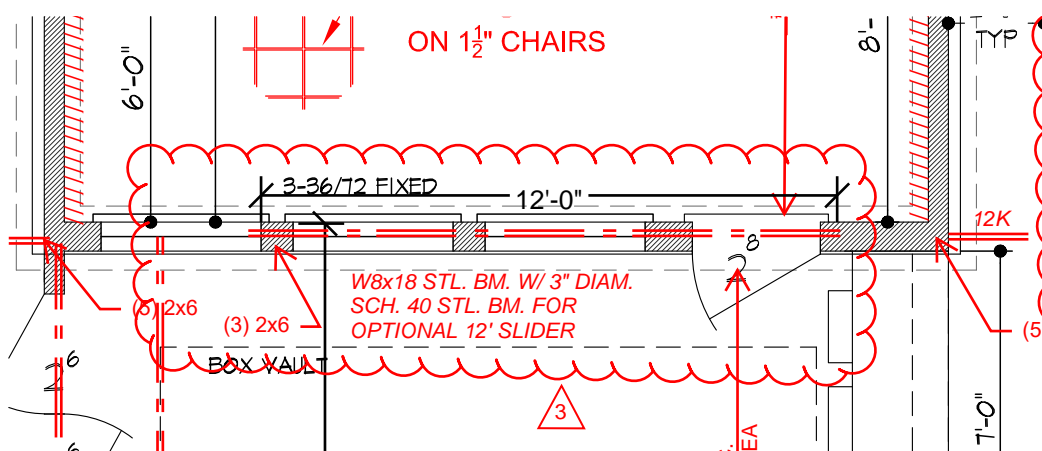
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Page Two

## Lower Level Rear Wall

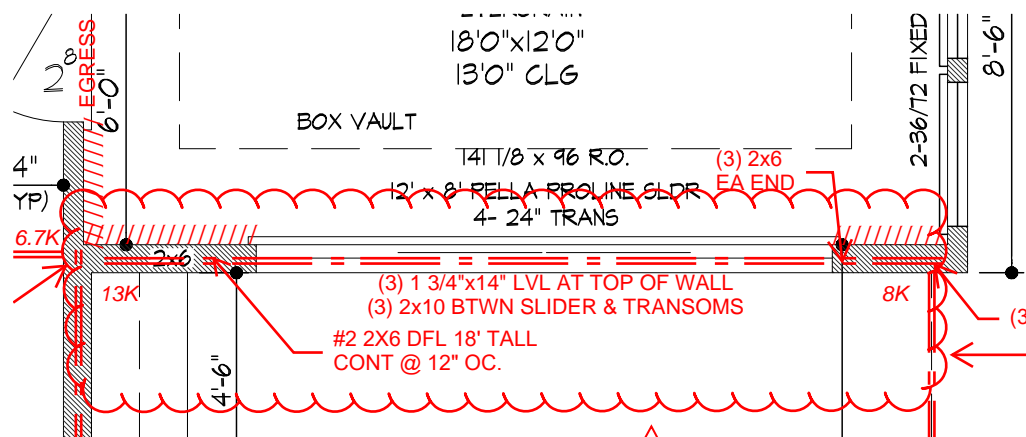
Please find below the framing alternate for the center rear wall of the lower level.



## Rear Wall at Great Room

the framer has altered the framing configuration of the great room rear wall. Please find below the alternate framing of the rear wall.

Our firm recommends approval of the rear wall as framed.



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Page Three

## Rear Wall of the Great Room

The framer has framed the rear wall of the great room with non continuous framing at several locations. To allow proper transfer of the lateral loads our firm marked six locations at the rear wall to install strapping. The strapping is to be continuous and extend 24" past the upper and lower hinge points of the intermediate header. The strap is to be minimum CS18 fastened per manufacturer specifications.

With the addition of the tension strapping our firm recommends approval of the rear wall for transfer of lateral load.

## Upper Level Truss Placement

Our firm provided a upper level truss plan to the builder in the field. During our framing inspection our firm reviewed the installation of the upper level layout. Our firm found the upper level truss installation to be in significant compliance with the approved plans.

Our firm recommends approval of the upper level truss installation.

John Hulse, Principal

