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HD Engineering & Design, Inc.

Solutions for all your engineering and design needs

RECEIVED

JAN 23 2017

Planning & Codes Admin

January 19, 2017

BKS Construction, LLC
PO Box 291
Lee's Summit, MO 64063

Re: 3349 SW Jessie Cir

Our firm was asked to address a framing inspection item at the above location. At the time of our inspection the home was in a rough framed state.

Spliced Hip Above Master

The framer has spliced the hip over the master bedroom at approximately the mid span of the hip. The LVL has been laminated with OSB on both sides for lateral restraint.

To properly transfer the loads imposed for this area a 2x6 T-brace will be placed directly under the splice and legged to the bearing wall adjacent to the master suite (see attached sketch).

With the addition of this T-brace our firm recommends approval of the hip to transfer the loads imposed.

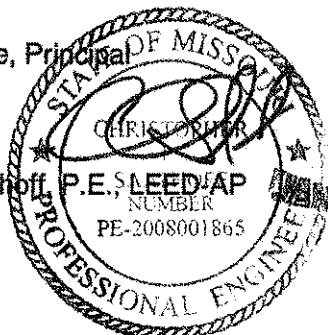
This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted engineering practices. No warranties, either express or implied, are intended or made.

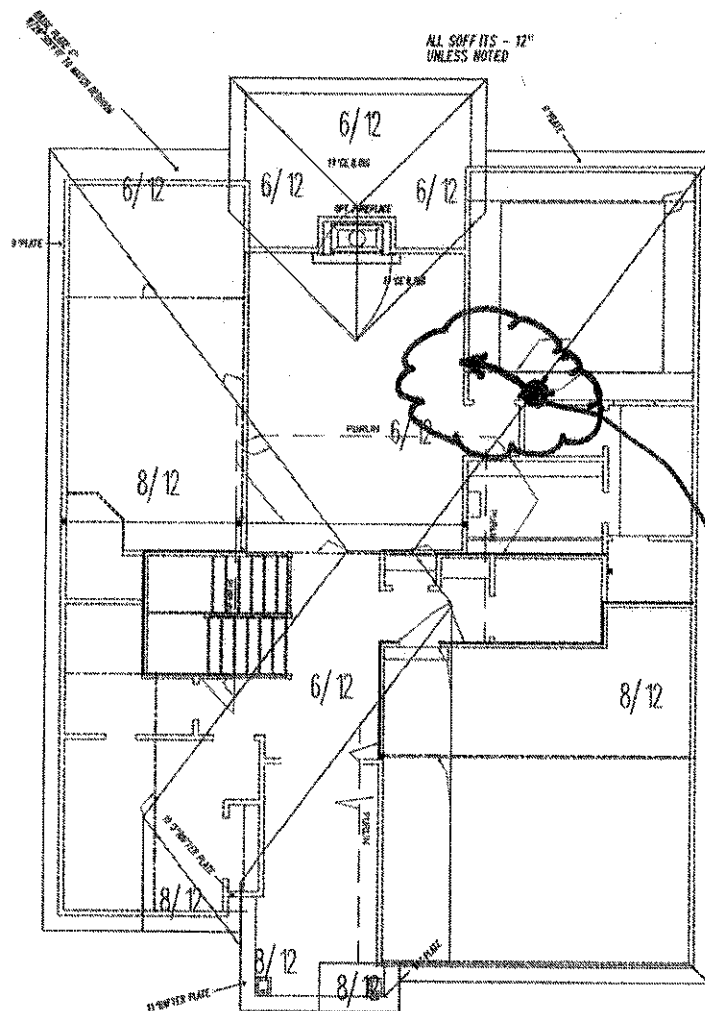
We appreciate the opportunity to be of service to you on this project. If you have any questions regarding this report, please contact us.

Very truly yours,
HD ENGINEERING & DESIGN, INC.

John Hulse, Principal

Chris Saathoff





NOTES

ROOF DESIGNED FOR LIGHT ROOF COVERING 20#
TOTAL LOAD (ROOF DL, 20#PS LL, ETC.)
RAFTERS SPACING 16" O.C. MAXIMUM
SEE SPAN TABLES SELECT

ROOF PITCH	SPACING	MAXIMUM SPAN
6/12	16" O.C.	10' 0"
8/12	16" O.C.	12' 0"
11/12	16" O.C.	14' 0"

ROOF PITCH	SPACING	MAXIMUM SPAN
6/12	16" O.C.	10' 0"
8/12	16" O.C.	12' 0"
11/12	16" O.C.	14' 0"

DEFLECTION - LIVED LOAD, LIVES TOTAL LOAD
VALUES TO BE 1/16" PER FT.

ALL PURLINS, RAFTERS AND VALLEYS NOT SHOWN SHALL BE 1" LUGGING
1/2" LUGGING TURN THE INTERSECTIONS RAFTERS

PURLINS ARE 2x6
PURLIN SPACING SHALL BE 4' O.C.
PURLIN STUDS SHALL BE INSTALLED AT NOT LESS
THAN A 45 DEGREE ANGLE WITH THE HORIZONTAL
ALL PURLIN STUDS SHALL HAVE A MAXIMUM UNBRACED LENGTH OF
8' O.C.
PURLIN STUDS SHALL BE CLASSED INSTEAD AS A "C"
COMPRESSION MEMBER PER THE FOLLOWING CHART

----- LOAD BEARING WALL
----- LOAD BEARING BEAM

PLACE 2x6 T-BRAKE
DIRECTLY UNDER
SPLICE



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RESIDENTIAL PLANS
by JIM SKINNER
268-3154

Roof Plan
1/4" = 1' 0"

PLAN 3349jc
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DATE 10-3-16