



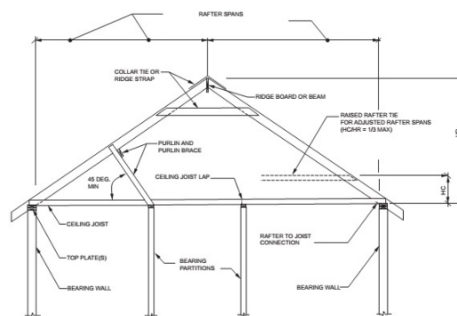
May 11, 2021

Summit Homes
120 SE 30th St.
Lee's Summit, MO 64082

RE: Field Issue of notched rafters for blocking, revision of ridge board at covered front porch and omission of 2x4 top plate above CS-PF panel header for Lot # 88 Woodside Ridge – 310 NW Ambershame Dr. Lee's Summit, MO 64081 – Permit # PRRES20204988

This letter addresses field issues of notched rafters for blocking, revision of ridge board at front porch and omission of 2x4 top plate above CS-PF panel header for Lot # 88 Woodside Ridge

- It is structurally acceptable to omit the top plate above (2) 1-3/4" x 11-1/4" LVL header in dining room for window opening spanning approximately 7.5' within CS-PF braced wall panels.
- It is structurally acceptable to notch Douglas Fir Larch #2 2x6 rafters spanning approximately 3.75' for blocking above covered porch.
- Ridge board for covered porch shall be Douglas Fir Larch #2 2x8 spanning approximately 7'. Collar ties shall be installed per IRC.



For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 degree = 0.018 rad.

H_C = Height of ceiling joists or rafter ties measured vertically above the top of rafter support walls. H_R = Height of roof ridge measured vertically above the top of the rafter support walls.

FIGURE R802.4.5 BRACED RAFTER CONSTRUCTION

R802.4.6 Collar ties.

Where collar ties are used to connect opposing rafters, they shall be located in the upper third of the attic space and fastened in accordance with Table R602.3(1). Collar ties shall be not less than 1 inch by 4 inches (25 mm x 102 mm) nominal, spaced not more than 4 feet (1220 mm) on center. Ridge straps in accordance with Table R602.3(1) shall be permitted to replace collar ties.

Sincerely,

Bradley Huxol, PE

