

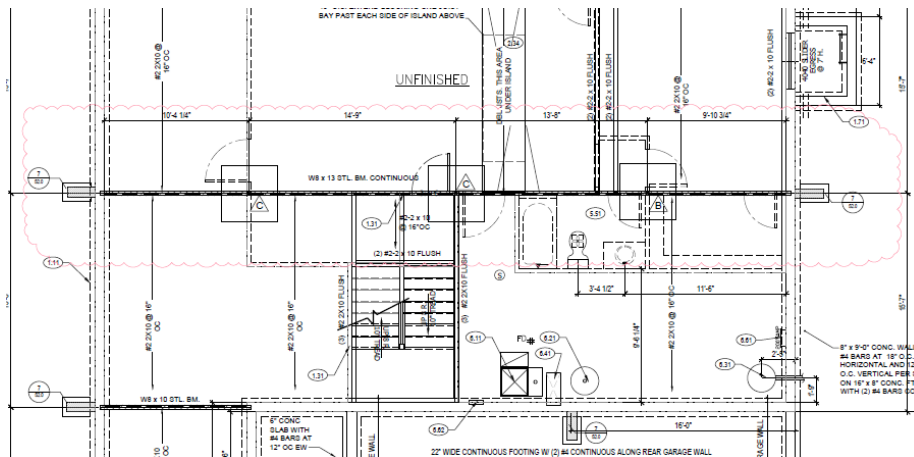
November 17, 2021

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

RE: Revision to the 4-span W8 x 10 continuous steel beam for Lot #138 Hawthorne Ridge – 3109 SW Arboridge Drive, Lee's Summit, MO 64082 – Permit # PRRES20212552

This letter addresses the 4-span, W8 x 10 continuous steel beam at 138 Hawthorne Ridge.

- The steel beam is continuous over 4 spans at a total length of approximately 50 ft.
- The steel beam is supporting the floor above with a tributary width of 15 ft and standard loading of LL=40 psf and DL=15 psf.
- It is structurally acceptable to install a W8 x 13 ASTM A992 (Fy = 50 KSI) continuous steel beam approximately 50 ft in length (as shown in the image below) in place of the continuous W8 x 10.
- Footing and column sizes shall be per plan.



Sincerely,



Bradley Huxol, PE

