

**Chris Berg, PE**  
**Structural Engineer**  
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September 4, 2019

Mr. Shawn Spears  
S&J Construction

Re: 4071 McLean Chapel Church Road, Bunnlevel, NC

Mr. Spears:

At your request, I have reviewed the framing of the new garage at this address. In particular, I reviewed the attic framing over the garage area. The attic framing is composed of 2x10's @ 24" o.c.. These are supported by the exterior walls, as well as a central girder down the middle of the garage. The central girder is comprised of 3-2x10 with a overall span of 20'-8".

In order for this system to safely support the required attic loads, a post must be installed midspan of the 3-2x10 girder (cutting the span to 10'-4"). This post may consist of a 4x4 posts, 6x6 post, or a built up stud post. This new post may bear on top of the slab on grade with an appropriate post base anchorage.

Once this post is installed, it is my professional opinion that the attic framing of the garage will safely support all loads required by the NC State Building Code – Residential (2018)

Please let me know if you need any additional information.

Regards,

Chris Berg, PE

