



March 13, 2023

Mr. Mervyn Berkelaar  
415 Fieldstone Drive  
Holly Springs, NC 27540

**RE: Stud Wall Framing in New Garage Construction  
Holly Springs, NC**

Dear Mr. Berkelaar:

Pursuant to your request, I have reviewed and determined that the 12'-0" tall, 2x6 framed walls carrying the currently constructed roof trusses are adequate to carry the intended design dead loads, live loads, and wind loads, as required by the 2018 NC Residential Code.

The rear gable end wall may be considered adequate once the following items have been completed:

- Metal strapping connecting king studs across the top plate is currently provided in a few locations. Provide the same metal strapping at each king stud across the top plate and fasten to the king studs above and below the top plate in the same pattern as the currently installed strapping.
- After installation of the strapping is complete, provide 2x6 blocking between studs at 4'-0" above and below the top plate. Cover the interior side of the area bound by the blocking with  $\frac{3}{4}$ " structural panel sheathing, fastening the sheathing to all studs and blocking at 6" o.c.

The front gable end wall, with the garage door openings, may be considered adequate once the following items have been completed:

- Metal strapping is to be installed at each door per Figure R602.10.1 of the 2018 NC Residential Code.
- After installation of the strapping is complete, provide 2x6 blocking 4'-0" above the top plate. Cover the interior side of the wall from this blocking all the way down to the foundation wall with  $\frac{3}{4}$ " structural panel sheathing in accordance with Figure R602.10.1 of the 2018 NC Residential Code.

If you have any questions, or need additional information, please feel free to contact me.

Sincerely,

Chris Jackson, P.E.



*Chris Jackson, P.E.  
Vice President - Engineering*

*Citadel Contractors, Inc.  
3405 Apex Peakway  
Apex, NC 27502*

*Phone: (919) 362-5122  
Fax: (919) 362-6910  
Email: [cjackson@citadelcontractors.com](mailto:cjackson@citadelcontractors.com)*