

# Structural Assessments of Storm Damaged Homes

*Bertie County, North Carolina*

## CLIENT

Excel Contractors, LLC  
8641 United Plaza Blvd.  
Baton Rouge, LA 70809  
Jason Welsh  
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## OWNER

North Carolina Department of  
Public Safety, Emergency  
Management Division

## COMPLETION DATE

June 2020

## PHASE OF EMERGENCY MANAGEMENT

Recovery

## E.L. ROBINSON'S ROLE

*Prime Consultant*  
Structural Engineering

E.L. Robinson Engineering (ELR) supported Excel USA, Baton Rouge with the ReBUILD NC, a Single-Family Housing Recovery Program in North Carolina. Bertie County NC. This program in the State of North Carolina provides for the delivery of housing assistance to eligible North Carolina residents whose primary residences were directly impacted by Hurricane Matthew on October 8, 2016.

ELR performed structural assessments damaged homes in and around Windsor, NC. Under the ReBUILD NC program guidelines, these homes were evaluated by ELR engineering staff against the following repair and safety parameters:

- The structure and foundation is suitable for interior and exterior repairs without additional structural or foundation repairs and is safe for occupancy.
- The foundation and structure is not safe for occupancy and not suitable for repairs without major structural repairs.

If the structure is not safe, then:

- The structural repairs required are minor, would not likely exceed 50% of the cost of reconstruction of the home, and are limited.
- The structural repairs required would likely exceed 50% of the cost of reconstruction of the home.
- The structural repairs are not feasible or recommended considering the site and structure conditions.

ELR's engineering staff provided an independent structural assessment of these homes for Excel. Excel will share this with the State of North Carolina Emergency Management as a part of the Housing Recovery Program. These assessments will a part of the documentation for each damaged structure so that funding maybe provided for repairs.