

E.J.S. Homes Inc.

4258 South River School Rd. Wade, NC, 28395

Phone: 910-483-8373; 910-988-0303

Email: admin@ejshomesinc.com

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Theresa Steffenev

115 Tom Myers Rd.

Lillington NC 27546

Purpose:

The following are required for meeting minimum requirements for **North Carolina Residential Building Codes**.

Code Upgrade Requirements to be inspectable requirements with the following exposed with a building permit issued.

1. Existing Drop Girder 2x12 to be Replaced with 14" LVL.

Item is used for removing existing 2x12" built up beam and replacing with new 3.5" x 14" LVL beam to meet code requirements for beam span load for carrying single story roof, purpose of beam exposed during mitigation.

Reference: North Carolina Building Code Chapter 6, Table R602.7(1)

2. R&R Existing located in Master Bathroom Stud Wall

2" x 4" x 8' load 11.67 LF bearing - 16" o/c.

Item is used for removing and installing new 2x4 stud material on wall identified to be load bearing supporting roof framing over back room adjacent to exposed framing on bathroom vanity wall.

3. Masonry

Item used to cut opening to allow access to crawl space under bedroom area for maintenance and inspection purposes for insulation and utilities. Cut opening to meet minimum dimension requirement of 18" tall by 24" wide in masonry wall inside crawl space for access and inspection requirements.

Reference: R408.8 Access. North Carolina Building Code

4. Smoke Detector Placement

Item used for ensuring there are working smoke detectors located at doorway of each of 3 bedrooms and 1 located in hallway in vicinity of bedrooms for a total of 4 IAW NFP and NEC.

Reference: North Carolina Building Code, R314.2.2 Alterations, Repairs and Additions