

RJB, P.E., P.A.

C-0269

ROBERT J. BRACKEN
ENGINEER + SURVEYOR
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February 24, 2020 Revised: (4-9-20)

Harnett County Building Inspections
P.O. Box 65
Lillington, NC 27546

REF: M/H Porch Addition
1752 Rosser Pittman Rd
Broadway, NC 27505
Jeff & April McBryd, Res

Dear Sir/Madam:

I made an onsite visit to the above referenced site on February 17, 2020. The purpose of the visit was to examine the proposed porch addition to a Mobile Home. The contractor had placed 2) 6x6 treated post at 2) places adjacent to the front exterior wall but not attached to the wall. I recommended that 2) additional post be placed at the front door approximately 4'-6" apart. To allow clearance for the front door, I approved that a portion of the 1-3/4x 9-1/4 2.0 E LVL can be removed. See attached sketch. The balance of construction shall be to Code standards.

I returned to the site to observe the construction of the front porch roof. There were several items that needed attention. The items are listed below:

Item # 1: The header/ beam across the front porch. I recommended that the 2x4 ledger strip be removed and place 2) 2x6 boards to the existing 2x12 header, creating a triple header. The addition of the 2x6 attached to the 2x12 will be adequate to support the porch roof load and give proper bearing for the over notched roof rafters. Hurricane ties placed at each rafter. Structural screws will be adequate for the 2x6's, also a 5/8" HD Galv. thru bolt @ each col.

Item # 2: The roof slope. The roof slope as well as I could determine was approximately 1 to 12. Because the roof is not over a living area, I have no problem with the slope as is.

Item # 3: The attachment of the LVL to the front wall of the M/H. The LVL attached to the front wall of the M/H will support the roof loads the slope cut roof rafters transferring the loads thru the LVL to the 4x6 columns below,

If there is anything else that is required, please feel free to contact me at 919-774-6074 or "E" mail @ bjbracken@windstream.net

Sincerely,

Robert J. Bracken

