

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single-Family Project: Yes <input checked="" type="checkbox"/>	Commercial Project: _____
Code Enforcement Project No: -----	Permit No: _____
Project Name: Screen Porch Construction	Owner: _____
Project Address: 1039 Jackson Rd, Fuquay Varina, N C 27526	Suite No: _____
Date Inspected: 03/18/2025	Contractor Name: _____
Component Inspected: Foundation Excavation and Approved Plan Review For Header Span Change	

Responsible Licensed NC Architect or NC Engineer

Name:	Madan Neupane		
Firm Name:	SSN Engineers, PLLC		
Phone Numbers:	Office: 919-579-1490	Mobile: 919-579-1490	
Email Address:	mneupane@ssnbuilders.com		
Mailing Address:	212 Hensely Hill Pl, Holly Springs, NC 27540		

APPLICABLE CODE: 2018 NCBC

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: *

Evaluation of the foundation subgrade.

Evaluation of the header due to change in header span.

*(subgrade form/letter may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 153A-352 and is in compliance with the approved plans & specifications for the project. This inspection is in compliance with all of the requirements of the above referenced code. Attach any additional documents if needed.

Digitally signed
by Madan
Neupane
Date: 2025.03.19
17:36:51-04'00'

03/19/2025

Licensed Architect or Engineer

Date



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.



SSN Engineers, PLLC.
Holly Springs, North Carolina

Contact Us: Email: info@ssnbuilders.com, Phone # 919-579-1490, www.ssnbuilders.com

March 18, 2025

SSN Project/Client # 1066a-12-2024

Harnett County Development Services

420 McKinney Parkway
Lillington, NC 27546

Subject: Approved Plan Review for Change in Pier Span and Foundation Subgrade Inspection

Dear Sir/Madam,

SSN Engineers (hereafter referred to as "the Engineer") was contracted by Mabrey Roofing & Construction of Durham, North Carolina (hereafter referred to as "the Contractor") to (a) review the approved plan for the change in the girder span and (b) witness the footing excavation at three locations for the sunscreen porch construction project located at 1039 Jackson Road, Fuquay-Varina, NC 27526.

The approved plan was reviewed, in which the Contractor requested moving one foundation to the right (when facing the house), which would change the girder span from 8 feet on-center (O.C.) to 9 feet. Therefore, we recommend using either 3-2x10 or 2-2x12 pressure-treated lumber beams at this location. Refer the attached markup on the approved plan.

Additionally, I personally witnessed the footing excavation on February 18, 2025, at three locations as marked on the attached approved plan. The footings were excavated to a minimum size of 1 foot by 1 foot in plan, with depths ranging from 18 to 24 inches at these locations. The subgrade soils at these locations were residual and competent. A probe test confirmed that the foundation was stable, with the probe driving no more than 2 inches at all three locations.

All three foundations are adjacent to the existing foundation. I recommend installing a minimum of two dowels at each location to connect the new foundation with the existing foundation. The dowels should be #5 rebar with a minimum embedment of 6 inches into the existing foundation, and high strength anchoring epoxy should be used to secure them in place.

Thank you for your attention. If further information or documentation is required, please feel free to contact me.

Sincerely,

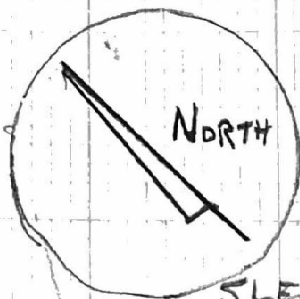


Digitally signed
by Madan
Neupane
Date: 2025.03.19
17:35:57-04'00'

Madan Neupane, Ph.D, PE
SSN Engineers, PLLC.
Firm License No # P-2998
Holly Springs, North Carolina
Email: info@ssnbuilders.com
Phone # 919-579-1490

RAFTER PLAN

1039 JACKSON RD, FURQUAY VARIANA
 RAYMOND SEAN MAGARY
 Raymond *[Signature]*
 2/27/25



EXISTING (Ex)
 ROOF

10/12 PITCH.

ALLEY

SLEEPER
 2x10

FOUNDATION INSPECTION
 ON 03/18/2025

2x10
 SLEEPER

EXISTING
 ROOF



EXISTING EAVE

RAFTERS

2x8x16

18" OC

4/12

DBL 2x10

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

Ex

- * EXISTING DECK
- * EXISTING FOOTING

* NEW ROOF:

- 6x6 POST 8' OC
- RIM BAND DBL 2x10
- RIM BAND FASTENED W/ (4) 3" NAIL 16 OC
- RAFTER ATTACH H2.SA
- 4x8 DECKING 7/16
- ASPHALT SHINGLE
- SYNTHETIC UNDERLAY
- ICE WATER IN VALLEY
- 4/12 PITCH
- 6x6 POST ON EACH FOOTING



EXISTING (Ex)

18" SOFFIT

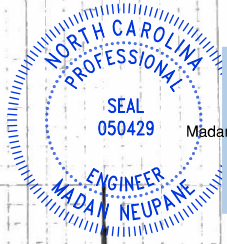
8' OC

EXISTING (Ex)
 FOOTINGS

24x24x12 (XS)
 w/ 16"x16" MA

24'





Digitally signed by Madan Neupane
Date: 2025.03.19 17:41:06-04'00'

CHANGE THIS TO
EITHER (3) 2X10 PT
OR 2 2X12 PT

1039 JACKSON RD FURRAY VARIANT
RAYMOND SEAN MAGEE
Raymond Magee
2-27-25

HOUSE MASONRY WALL

3'6"

