

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: Y	Commercial Project: N
Code Enforcement Project No:	Permit No: SFD 2105-0066
Project Name:	Owner:
Project Address: Lot 11 Highland Grove (358 Windy Farm Dr. Fuquay-Varina, NC)	Suite No:
Date Inspected: 10/28/2021	Contractor Name: KB Home
Component Inspected: Foundation	

Responsible Licensed NC Architect or NC Engineer

Name:	Reviewing Engineer: Drew Alexander, PE
Firm Name:	JDS Consulting, PLLC (NC Firm License No. P-0961)
Phone Numbers:	Office: (919) 480-1075 Mobile:
Email Address:	field@JDSConsulting.net
Mailing Address:	8600 'D' Jersey Ct. Raleigh, NC 27617

APPLICABLE CODE: 2018 NCRC

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

Describe Element/Component: * 3rd Party Foundation Inspection

See RDU2111143 Dated 10/29/2021 For More Information

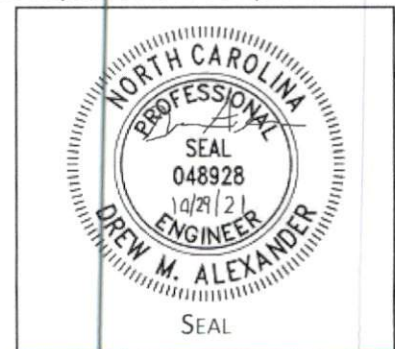
*(subgrade form may also be required)

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. 160D-11-6 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.

Reviewing Engineer: Drew Alexander, PE

Licensed Architect or Engineer Date



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160D-11-1, 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.

Date: 10/29/2021

To: **Kenny Gwinn**
KB Home
4506 S Miami Blvd
Durham, NC 27703
kgwinn@kbhome.com
919-592-2624

Re: **Crawl Space 3rd Party Foundation Inspection**
Location: Lot 11 Highland Grove (358 Windy Farm Dr. Fuquay-Varina, NC)
JDS Project No.: RDU2111143
Municipality: Fuquay-Varina
PE Seal Date of Building Plans: 04/15/2021
Date of Inspection: 10/28/2021

Observations

A representative of JDS Consulting arrived on site to inspect the Crawl Space foundation as requested by the client after the foundation has been back filled. The client exposed the requested areas of the foundation (see attachment below) and all remaining areas were probed.

- Perimeter walls have a minimum 2" projection on both sides.
- Piers are properly sized and placed per the structural drawings.
- All piers bear on the middle third of the pier footings.
- All mortar joints have been struck or tooled and have proper consolidation.
- Unbalanced fill conditions for the porch and garage are acceptable.

Recommendations

Based on our on-site observation and review, the crawlspace foundation has been adequately constructed as is and in accordance with the approved permitted plans and details. Additionally, the foundation has been installed in accordance with 2018 NCRC sections R403.1.1 and R404.1.1.1.

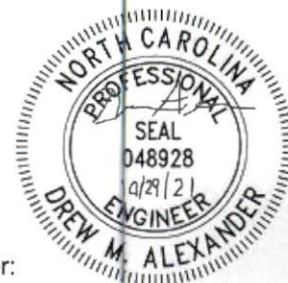
NOTE:



The footings and foundation were constructed at time of inspection. This was a limited visual inspection of the foundation already in place partially obscured by the placement of fill material

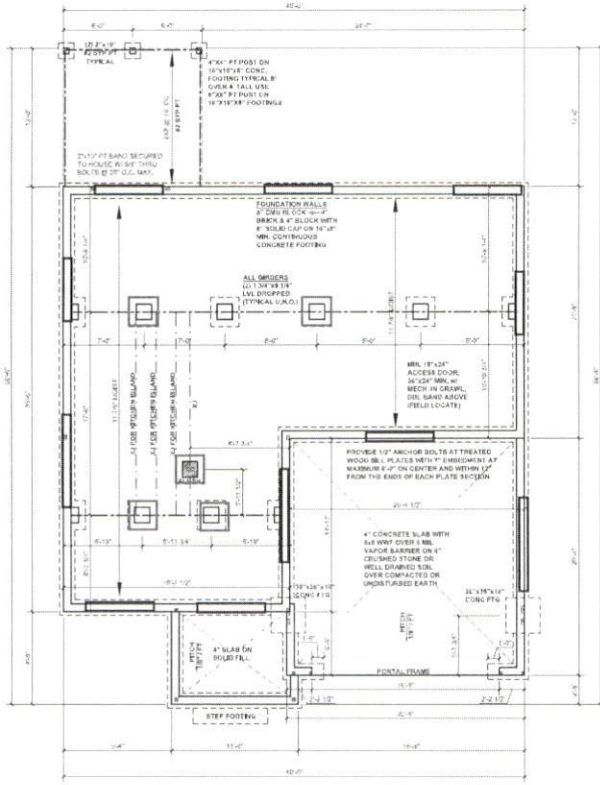
If you have any questions or if I can be of further assistance to you on this project, please contact me at 704-578-1220.

Respectfully Submitted,
Calvin Hamblet

Reviewing Engineer:
Drew Alexander, PE



 Expose both sides of footing projecting for 6". One side allowed at garage and front porch.
 Expose All Sides of Pier
 * All remaining locations to be probed



CRAWLSPACE FOUNDATION PLAN - 'A'
 SCALE: 1/8" = 1'-0"

- BEAM & POINT LOAD LEGEND**
- INTERIOR LOAD BEARING WALL
 - ROOF RAFTER TRUSS SUPPORT
 - DOUBLE RAFTER / DOUBLE JOIST
 - STRUCTURAL BEAM / GIRDER
 - WINDOW / DOOR HEADER
 - POINT LOAD TRUSSER
 - POINT LOAD FROM ABOVE BEARING ON BEAM / GIRDER
- FLOOR SPACING NOT TO EXCEED 16'-0" IN LOCATIONS WITH TILE FRESH FLOOR
 REFER TO JOIST EQUALIZER CHART ON FIRST DETAIL SHEET FOR SUBSTITUTION OF MANUFACTURER SERIES
 FLOOR FRAMING TO BE 11'-0" DEEP 1.2X12 SERIES OR EQUAL, 16'-0" ON MAXIMUM SPACING
 8'-0" PIER AT FOUNDATION WALL SUPPORTING DROPPED GIRDERS TO HAVE A 2'-0" X 4" FOOTING PROJECTING FROM THE MAIN WALL FOOTING
 FOUNDATION STRUCTURAL NOTES
 1. CONCRETE BLOCK PER SIZE SHALL BE:
 SIZE HOLLOW MASONRY SOLID MASONRY
 8X16 UP TO 22' HIGH UP TO 8'-0" HIGH
 12X16 UP TO 28' HIGH UP TO 12'-0" HIGH
 16X16 UP TO 64' HIGH UP TO 12'-0" HIGH
 24X24 UP TO 8' HIGH
 WITH 20' X 30' X 16" CONCRETE FOOTING, LIND.
 (SEE BRIDGE & CENTER OFF ALL THROTTLES AND INTERNAL LOAD BEARING FOOTINGS 12" C.C. MIN)

KB HOME

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 DURHAM, NC 27705
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 FAX: (919) 476-0082

NORTH CAROLINA
 PROFESSIONAL ENGINEER
 045409
 5/21/20
 CHARLES E. TELL
 P-0561

JDS Consulting
 PROJECT NO. 2706111
 DATE: 05/16/2020
 PLAN: 240.2596
 CRAWLSPACE FOUNDATION PLAN
S.30A