

PREPARED 11/05/14, 15:14:21
Harnett County

INSPECTION TICKET
INSPECTOR: IVR

PAGE 20
DATE 11/06/14

ADDRESS . . : 90 ALVIS CT
CONTRACTOR : WELLS DESIGN BUILD LLC
OWNER . . . : WELLS DESIGN BUILD, LLC
PARCEL . . . : 08-0653- - -0030- -47-
APPL NUMBER: 14-50034746 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 10/13/2014 09:51 AM JBROCK ----
DEXTERFIELD #47

SUBDIV: DEXTERFIELD
PHONE : (919) 422-5280
PHONE :

Monday 8:45

STRUCTURE: 000 000 56.10X56.5 3BDR CRAWL W/ GARAGE
FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 3000000.00
SEPTIC - EXISTING? : NEW TANK

PROPOSED USE : SFD
WATER SUPPLY : COUNTY

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B101 01	11/05/14 11/05/14	DT CA	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 002595767 T/S: 11/04/2014 01:27 PM LSEGARS ----- CUSTOMER WOULD LIKE INSPECTION AFTER LUNCH IF POSSIBLE T/S: 11/05/2014 01:32 PM DETAYLOR -----
B101 02	11/06/14 <i>11/6/14</i>	TI <i>APD</i>	R*BLDG FOOTING / TEMP SVC POLE VRU #: 002596257

----- COMMENTS AND NOTES -----

John Alexander McRae, P.E., Inc.
8517 Wanstraw Way
Apex, North Carolina, 27539
(919) 662-5531 Fax: (919) 662-8599

5 November 2014

To: Wells Design Build

E-mail: mwells@wellsdesignbuild.com

Re: Lot 47 Dexterfield 90 Alvis Ct.

Fuquay Varina, N.C.

Permit#14-50054746 Harnett Co.

Jampe Job Number 1411-03

The following design and recommendation is based on the latest edition of the North Carolina State Building Code and any local codes that may be in effect at the time of this letter.

Live Loads: Roof/Limited Storage- 20 psf Upper Floors- 40 psf Main floors- 40 psf
Dead loads as applicable. Allowable Soil Pressure- 2000psf Wind load- 27 psf.
Allowable Stress: #2 SPF- 875 psi #2 SYP- 1050 psi LVL- 2900 psi

Builder has requested verification of the following issues:

Verify soils and footing.

At time of site inspection, builder has excavated two test holes at interior pier locations, to saturated sandy/loamy soils at base at 16" below grade.

Soils very saturated at this depth, and further excavation was required.

At 3' depths, acceptable bearing pressure was achieved to minimum 1500 psi.

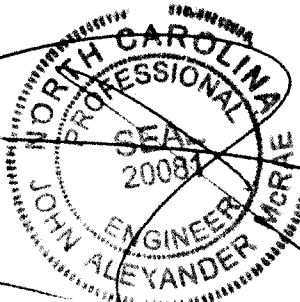
Allowable Loads - $20/12(1500) = 2500$ pounds per linear foot of foundation wall and footing

Backfill all footings and piers with minimum 2' 57/67 stone backfill to base of footing to ensure adequate separation from high groundwater levels. Soil bearing adequate to support expected loads.

Respectfully,

John A. McRae
NCPE 20081

Questions or Comments John A McRae
jampe@nc.rr.com



2008/11
5 Nov
2014