

PREPARED 1/27/15, 14:14:36
Harnett County

INSPECTION TICKET
INSPECTOR: IVR

PAGE 2
DATE 1/28/15

ADDRESS : 430 JERNIGANS POND LN
CONTRACTOR : STEPHENSON, KENNETH R.
OWNER : MIZE JOAN W & EDDIE M
PARCEL : 07-1509- - -0055- -06-
APPL NUMBER: 14-50034149 CP NEW RESIDENTIAL (SFD)
DIRECTIONS : T/S: 10/07/2014 03:47 PM DJOHNSON --
430 JERNIGANS POND LN
*****PREMISE NO 61043883*****

SUBDIV:
PHONE : (919) 291-8559
PHONE :

STRUCTURE: 000 000

FLOOD ZONE : FLOOD ZONE X
BEDROOMS : 3.00
SEPTIC - EXISTING? : NEW

PROPOSED USE : SFD
WATER SUPPLY : WELL

PERMIT: CPSF 00 CP * SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS	TIME	VRU #
B101 01	1/28/15	TI	R*BLDG FOOTING / TEMP SVC POLE would like a pm inspection	17:00	002621498

COMMENTS AND NOTES

Rec'd Letter

*OFF 55
South of 1000*

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

27 January 2015

To: Stephenson Builder

Re: 430 Jernigans Pond Lane

Permit # 14 50034149 JAMPE Job Number 1501-34

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:

Soils sandy clay silts, and silty sands

Soils over excavated through organic silts and silty clay sands to sandy silts in excess of 1500 psf bearing soils bearing with added stone $1500(\sin 45)(2) = 2121$ lbs per linear foot
Soils bearing without backfill and with added backfill is adequate for expected loads and conditions

Sandy soils allow free flow of groundwater seepage groundwater present at review
Rate of inflow not detrimental to bearing

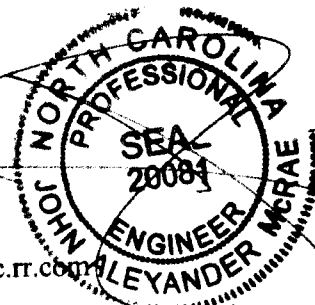
Builder may backfill during excavation to reduce or prevent wall cave-in. Excavation to up to 30 inch depth backfill to be minimum of 12 inch lift 57 / 67 stone to stabilize walls of excavation and provide drain path

Stone NOT required for bearing.

Respectfully,

John A. McRae
NCPE 20081

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



2015
27 JAN
2015