

House Permit  
#CPSF17-50042757



**TYNDALL**  
ENGINEERING & DESIGN, P.A.

T 919 773-1200 • F 919 773-9658  
250 Shipwash Drive, Suite 104 • Garner • North Carolina • 27529  
www.tyndallengineering.com

May 16, 2018

Jon Taylor Realty  
PO Box 2690  
Lillington, NC 27546  
Ph: 910-658-7799  
Email: [cwtaylor89@gmail.com](mailto:cwtaylor89@gmail.com)

Reference: Engineering Services  
87 Neil Thomas Rd.  
Lillington, NC  
Project No.: 1801-020234

As requested by the builder, Tyndall Engineering & Design, PA (TE&D) has analyzed the following item(s):

- 1) LVL beams as specified on the project plans (Frank Betz and Associates "Aspen Ridge" Plan).

The following conclusions and recommendations were noted:

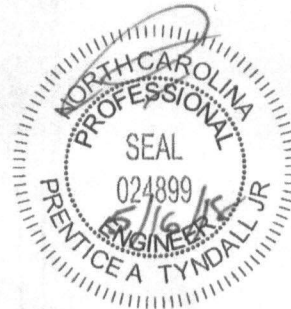
- 1) Based on our observations, analysis, and review of the project plans, the specified LVL beams are adequate to support the anticipated loading conditions. Note: (4)-Ply LVL members should be secured with (1) 1/2" Dia. thru bolt placed @ 16" O.C.

We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information, please do not hesitate to contact us.

Sincerely,  
Tyndall Engineering & Design

Jasmine Paddock  
JMP/1801-020234

Prentice Tyndall Jr., P.E.





FRANK BETZ ASSOCIATES, INC. ENGINEERING DEPARTMENT  
 3550 GEORGE BUSBEE PARKWAY  
 SUITE 190  
 KENNESAW, GEORGIA 30144  
 770-431-0888 888-717-3003

**FRAMING PLAN NOTES**

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES. DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED.

2. ROOF PITCHES ARE AS SHOWN ON THIS PLAN. ALL ROOF FRAMING IS TO BE CONSTRUCTED ACCORDING TO THE ROOF FRAMING PLAN AND THE ROOF TRUSS PLAN.

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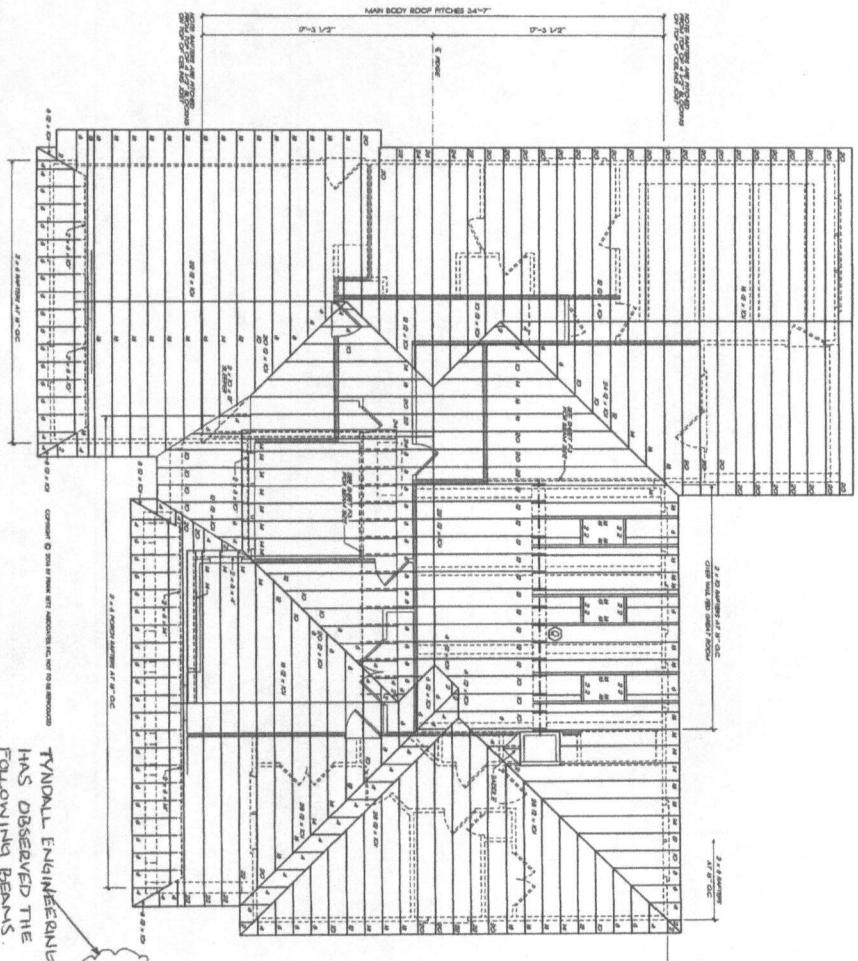
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**ROOF FRAMING PLAN**

TYNDALL ENGINEERING HAS OBSERVED THE FOLLOWING BEAMS.

**BEAM SCHEDULE**

2x12 @ 24" ON CENTER

2x10 @ 24" ON CENTER

2x8 @ 24" ON CENTER

2x6 @ 24" ON CENTER

2x4 @ 24" ON CENTER

QUANTITIES	
60	2x12 @
12	2x10 @
12	2x8 @
12	2x6 @
12	2x4 @
24	2x12 @
24	2x10 @
24	2x8 @
24	2x6 @
24	2x4 @
48	2x12 @
48	2x10 @
48	2x8 @
48	2x6 @
48	2x4 @

**LEGEND**

--- 2" x 12" RIBBING AT 12" OC

--- 2" x 10" RIBBING AT 12" OC

--- 2" x 8" RIBBING AT 12" OC

--- 2" x 6" RIBBING AT 12" OC

--- 2" x 4" RIBBING AT 12" OC

--- 3" x 8" RIBBING AT 12" OC



**FRANK BETZ ASSOCIATES, INC.**  
 DESIGNERS OF CUSTOM AND STOCK HOMEPLANS  
 3550 GEORGE BUSBEE PARKWAY  
 SUITE 190  
 KENNESAW, GEORGIA 30144  
 770-431-0888 888-717-3003

ROOF FRAMING PLAN

THE ASPEN RIDGE

**HOMEPLANS**  
 Designed for Today's Market  
 www.frankbetz.com

NO.	DATE	DESCRIPTION

5/5



**TYNDALL**  
ENGINEERING & DESIGN, P.A.

**Invoice**

250 Shipwash Drive, Suite 104  
Garner, NC 27529  
Phone: 919-773-1200 / Fax: 919-773-9658

Date	Invoice #
5/16/2018	44082

**PAID**  
05/17/2018

**Bill To**

Jon Taylor Realty  
Chris Taylor  
PO Box 2690  
Lillington, NC 27546

We accept Mastercard, Visa & American Express.  
Make checks payable to: Tyndall Engineering & Design, P.A.

P.O. No.	Terms	TE&D Project #
	Due on receipt	1801-020234

Item	Quantity	Description	Rate	Amount
222F - Res Eng pe...		Residential Engineering - Contracted Amount  RE: 87 Neil Thomas Road, Lillington, NC Observe and analyze plan specified LVL beams	750.00	750.00

NOTICE: Finance charges calculated at a monthly periodic rate of 1.5% (Annual Rate of 18%) will be charged on all unpaid balances as of due date.

**Total** \$750.00

**Tyndall Engineering & Design offers a variety of services including:**

- \* Steel, wood, concrete, and masonry frame design for residential and commercial projects
- \* On-site engineering assessment of field changes and modifications
  - \* Structural steel detailing
  - \* Special Inspections
  - \* Retaining wall design (concrete, masonry, timer, etc.)
  - \* Plan design and drafting services
- \* Certified weld inspections and procedure qualification

www.tyndallengineering.com Visit our website to find out more about Tyndall Engineering & Design

ADDRESS . . : 87 NEILL THOMAS RD SUBDIV:  
CONTRACTOR : JONES GEORGE ROBERT PHONE : (910) 984-7673  
OWNER . . : TAYLOR JONATHAN PHONE :  
PARCEL . . : 13-0527- - -0052- - -  
APPL NUMBER: 17-50042757 CP NEW RESIDENTIAL (SFD)  
DIRECTIONS : T/S: 11/14/2017 03:58 PM JBROCK ----  
TAKE US 421 N TOWARDS SANFORD PROPERTY  
ON L - L ON NEILL THOMAS RD

STRUCTURE: 000 000 58X59 4BDR 3.5BA CRAWL W/GARAGE &SCR POR  
FLOOD ZONE . . . . : FLOOD ZONE X  
# BATHS . . . . . : 3.5 # BEDROOMS . . . . . : 4000000.00  
PROPOSED USE . . . . . : SFD SEPTIC - EXISTING? . . . . . : NEW TANK  
WATER SUPPLY . . . . . : COUNTY

PERMIT: CPSF 00 CP \* SFD

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
A814 01	12/07/17 12/07/17	SB AP	ADDRESS CONFIRMATION TIME: 17:00 VRU #: 003063468 87 NEILL THOMAS RD LILLINGTON 27546 T/S: 12/07/2017 01:40 PM SBENNETT -----
B101 01	12/07/17 12/07/17	TSG AP	R*BLDG FOOTING / TEMP SVC POLE TIME: 17:00 VRU #: 003063476 T/S: 12/06/2017 03:05 PM JBROCK -----
B103 01	12/22/17 12/22/17	TSG AP	R*BLDG FOUND & TEMP SVC POLE TIME: 17:00 VRU #: 003070133 T/S: 12/21/2017 11:46 AM DJOHNSON ----- NO TEMP POWER POLE ON JOB SITE.....? STAND ALONE INSPECTION FEE APPLIES IF CALLED IN SEPERATELY
B105 01	1/19/18 1/19/18	TSG DA	R*OPEN FLOOR TIME: 17:00 VRU #: 003077401 T/S: 01/19/2018 09:50 AM JBROCK ----- T/S: 01/19/2018 03:59 PM LLUCAS ----- 1. NEED I-JOIST LAYOUT FOR INSPECTION 2. NEED J-JOIST DOCUMENTS 3. UNCOVER SILLPLATE FOR BOLT INSPECTION **PORTA JOHNS REQUIRED**
B105 02	1/22/18 1/22/18	TSG DP	R*OPEN FLOOR TIME: 17:00 VRU #: 003077740 T/S: 01/19/2018 01:33 PM JBROCK ----- still no i-joist paper work & stamped layout for this engineed floor system \$50.00 fee
B105 03	1/31/18 1/31/18	KS AP	R*OPEN FLOOR TIME: 17:00 VRU #: 003083011 T/S: 01/30/2018 12:39 PM JBROCK ----- T/S: 01/31/2018 02:03 PM KSLATTUM -----
H824 01	3/27/18 3/27/18	OT AP	ENVIR. OPERATIONS PERMIT TIME: 17:00 VRU #: 003107828 T/S: 03/28/2018 10:29 AM KHINSON ----- T/S: 03/28/2018 10:30 AM KHINSON -----
R125 01	5/02/18 5/02/18	TSG AP	ONE TRADE ROUGH IN TIME: 17:00 VRU #: 003121845 T/S: 05/01/2018 11:51 AM JBROCK ----- SHEATHING INSPECTION
R425 01	5/10/18 5/10/18	TSG DA	FOUR TRADE ROUGH IN TIME: 17:00 VRU #: 003125309 T/S: 05/08/2018 04:03 PM JBROCK ----- 1 - have lvl in garage uenified for change to a side load design 2- head & presure plumbing test are down 3- strep stud colums under lvl over living room 4 - label dryer duct length 5 - fire place not installed 6 - lvl between kithen and living room per plan shoould be a four ply 7 - doulde lvl over diningroom not on layout 8 - missing i-joist documents

CONTINUED ONTO NEXT PAGE

ADDRESS : 87 NEILL THOMAS RD  
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OWNER : TAYLOR JONATHAN  
PARCEL : 13-0527- - -0052- - -  
APPL NUMBER: 17-50042757 CP NEW RESIDENTIAL (SFD)

SUBDIV:  
PHONE : (910) 984-7673  
PHONE :

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
R125 02	5/16/18 5/16/18	TSG AP	ONE TRADE ROUGH IN TIME: 17:00 VRU #: 003128162 T/S: 05/15/2018 01:29 PM JBROCK stone inspection
R425 02	7/12/18	TI <i>AE</i>	FOUR TRADE ROUGH IN VRU #: 003150725

COMMENTS AND NOTES

*Supply test done  
OK To Insulate*



