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r 019 773-1200 + F 919 773-9658 69 Shipwash Drivo + Garner > North Carolina + 27529 www.tyndallengineering.com

October 6, 2009

Jason C. Bouchard 233 Eiser Rd. Lillington, NC 27546 E Mail: JCBADJUST@AOL.COM

Reference: Engineering Services 233 Eiser Rd. Lillington, NC Project No.: 09GAR-F540

A representative of Tyndall Engineering & Design was on site to observe the following framing items per the attached list:

- 1) Analysis existing car port framing.
- 2) Analysis existing garage and garage addition framing.
- 3) Analysis existing rear deck framing.
- 4) Analysis existing rear game room addition.

The following conclusions and recommendations were noted:

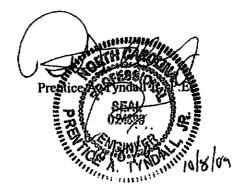
- Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions. However, the existing (2)2x8 header should be secured to the existing 6x6 posts with (2) 1/2" through bolts per connection. The reader is referred to the attached diagram for details. Additionally, a Simpson H2.5 clip should be added to each rafter at the (2) 2x8 header connection.
- 2) Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions. However, a Simpson H2.5 clip should be added to each rafter at the wall top plate connection.
- 3) Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions. However the existing (2)2x8 band should be secured to the existing 6x6 posts with (2) 1/2" through bolts per connection. The reader is referred to the attached diagram for details.
- 4) Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions.

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

Sincerely, Tyndall Engineering & Design

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Sean M. Holmes SMH\09GAR-F0540



Page 1 of 1

## HARNETT COUNTY

Building Inspections Dept. 108 E. Front St. Lillington, NC 27546 910-893-7525

## **DO NOT REMOVE**

DATE: 12-15-09

йн **т** 

PERMIT # 09-50023306

ADDRESS: 233 eisler

## VIOLATIONS:

- 1. Remove the ground wire to the garage and tie all grounds and neutrals together in garage with panel grounding connector
- 2. Finish adding all required hurricane straps in garage and carport

Harnett County Building Department

Mike Rearic cell# (910) 984- 4772

	4/20/10, 13 Country		INSPECTION TICKET	PAGE 16
	County		INSPECTOR: IVR	DATE 4/21/10
OWNER . PARCEL . APPL NUM	. : BOUCHARI . : 03-9597- BER: 09-50023 NS : T/S: 11/ 233 EISI HEATHER RD TURN RIGHT, T DRIVE. *****NC ALREADY HOME, 123	D JASON CLI 015' 3306 CP ADI (24/2009 ( LER ROAD LI BROOK SUB LEFT GO TO THEN RIGHT DTE TO INSP BUILT. 16 (16 SHELTEP	SUBDIV: PHONE : IVE & WIFE PHONE :	n en
		•		
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ADDRESS .: 233 EISLER DR SUBDIV: CONTRACTOR : PHONE : OWNER : BOUCHARD JASON CLIVE & WIFE PHONE : PARCEL .: 03-9597015713- APPL NUMBER: 09-50023306 CP ADD & ALTER RESIDENTIAL DIRECTIONS : T/S: 11/24/2009 03:20 FM VEROWN 233 EISLER ROAD LILLINGTON 27546. HEATHER BROOK SUB DIV #9. 27W TO DOCS RD TURN LEFT GO TO MICRO TOWER TURN RIGHT, THEN RIGHT TURN RIGHT EISLER DRIVE. ******NOTE TO INSPECTOR EVERTHING IS ALREADY BUILT. 16X20 ADDITION TO HOME, 12X16 SHELTER, 16X28 DETGAR, 12X16SHEL, 10X12 FLOOD ZONE : FLOOD ZONE X # BEDROOMS :00 SEPTIC - EXISTING? : EXISTING WATER SUPPLY : .00 SEPTIC - EXISTING? : EXISTING TYP/SQ COMPLETER RESULT RESULT RESULTS/COMMENTS 	larnett C	ounty		INSPECTION INSPECTOR:	IVR		PAGE DATE	
STRUCTURE: 000 000 16X20 ADDIT, 16X28 DETGAR, 12X16SHEL, 10X12    FLOOD ZONE  : FLOOD ZONE X    # BEDROOMS  :	ADDRESS CONTRACTO DWNER PARCEL . APPL NUMB	. : 233 EISLEN R : . : BOUCHARD & . : 03-9597- ER: 09-5002336 S : T/S: 11/24 233 EISLEN HEATHER BN RD TURN LN RIGHT, THN DRIVE. *****NOTH ALREADY BU HOME, 12X16	CR DR JASON CLIVE & WIF 015713- 06 CP ADD & ALTER 24/2009 03:20 PM CR ROAD LILLINGTON BROOK SUB DIV #9. LEFT GO TO MICRO TO HEN RIGHT TURN RIGH TE TO INSPECTOR EVI BUILT. 16X20 ADDI 6 SHELTER, 16X28 I	E RESIDENTIAL VBROWN 27546. 27W TO DOCS OWER TURN HT EISLER ERTHING IS TION TO DET GAR,	SUBDIV: PHONE : PHONE :			
PERMIT: CPBP 00 CP BUILDING PERMITREQUESTEDINSPDESCRIPTIONTYP/SQCOMPLETEDRESULTRESULTS/COMMENTSH824 0112/11/09OTENVIR. OPERATIONS PERMITTIME: 17:00VRU #: 00186146712/11/09APT/S: 12/14/200910:02AMSSTEWARTR425 0112/15/09MRFOUR TRADE ROUGH INTIME: 17:00VRU #: 00186139212/14/09DAT/S: 12/14/200908:59AMVBROWNCUSTOMER REQUESTPMINSPECTION. AFTER LUNCH.	TRUCTURE LOOD ZONI BEDROOM	: 000 000 16X2 E : FI S PLY	<b>Z20 ADDIT,16X28 DE</b> CLOOD ZONE X : .00 : COUNTY	S	EPTIC - EXIST			
TYP/SQ  COMPLETED  RESULT  RESULTS/COMMENTS    H824 01  12/11/09  OT  ENVIR. OPERATIONS PERMIT  TIME: 17:00  VRU #: 001861467    12/11/09  AP  T/S: 12/14/2009  10:02  AM  SSTEWART								
H824 01  12/11/09  OT  ENVIR. OPERATIONS PERMIT TIME: 17:00  VRU #: 001861467    12/11/09  AP  T/S: 12/14/2009  10:02  AM  SSTEWART	,	COMPLETED F	RESULT RESULTS					
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T/S: 12/15/2009 12:45 PM MREARIC 1. remove ground from line to garage and wire garage panel correctly 2. finish all hurricane straps per engineer	425 01		MR FOUR TRA DA T/S: 12/ CUSTOMER T/S: 12/ 1. remov correct]	ADE ROUGH IN /14/2009 08 R REQUEST PM /15/2009 12 ve ground fr ly	TIME: 17:00 59 AM VBROW INSPECTION. A 45 PM MREAF om line to gam	VRU #: 0018 N FTER LUNCH. CC age and wire	61392	
R229 01 $4/22/10$ TI TWO TRADE FINAL TIME: 17:00 VRU #: 001914142 4:22.0 AP-MR T/S: 04/21/2010 01:58 PM NTART		4.22.10 A	TI TWO TRAI 4 <u>P-MR</u> T/S: 04/	DE FINAL T /21/2010 01	IME: 17:00 X :58 PM NTART	RU #: 00191414		

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r 919 773-1200 + r 919 773-9658 69 Shipwash Drive = Garner + North Carolina + 27529 www.tyndallengineering.com

October 6, 2009

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Jason C. Bouchard 233 Eiser Rd. Lillington, NC 27546 E Mail: JCBADJUST@AOL.COM

Reference: Engineering Services 233 Eiser Rd. Lillington, NC Project No.: 09GAR-F540

A representative of Tyndall Engineering & Design was on site to observe the following framing items per the attached list:

- 1) Analysis existing car port framing.
- 2) Analysis existing garage and garage addition framing.
- 3) Analysis existing rear deck framing.
- 4) Analysis existing rear game room addition.

The following conclusions and recommendations were noted:

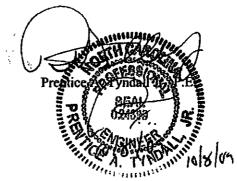
- Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions. However, the existing (2)2x8 header should be secured to the existing 6x6 posts with (2) 1/2" through bolts per connection. The reader is referred to the attached diagram for details. Additionally, a Simpson H2.5 clip should be added to each rafter at the (2) 2x8 header connection.
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- 3) Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions. However the existing (2)2x8 band should be secured to the existing 6x6 posts with (2) 1/2" through bolts per connection. The reader is referred to the attached diagram for details.
- 4) Based on our observations and analysis, the existing framing is adequate as constructed to support the anticipated loading conditions.

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

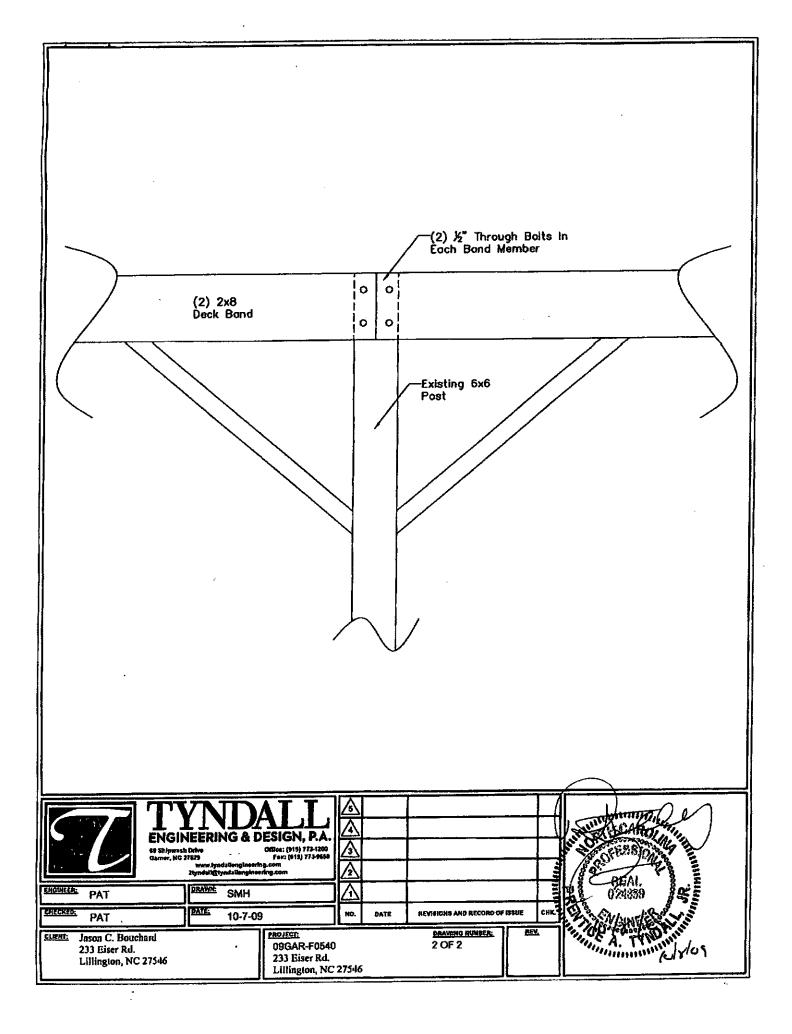
Sincerely, Tyndall Engineering & Design

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Sean M. Holmes SMHV09GAR-F0540



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December 2, 2009

Jason C. Bouchard 233 Eiser Rd. Lillington, NC 27546 E Mail: JCBADJUST@AOL.COM

Reference: Engineering Services 233 Eiser Rd. Lillington, NC Project No.: 09GAR-F540a

A representative of Tyndall Engineering & Design was on site to observe the following framing items per the below list:

- 1) Verify insulation located in the ceiling and insulation in the walls.
- 2) Analysis existing car port foundation.
- 3) Analysis existing garage and garage addition foundation.
- 4) Analysis existing rear deck foundation.
- 5) Analysis existing rear game room addition framing and foundation.
- 6) Analysis existing rear game room roof bearing on the modular home's roof.

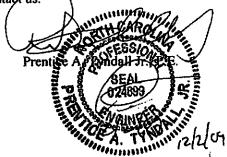
The following conclusions and recommendations were noted:

- 1) Based on our observations and analysis of random area checks, the existing baffles and insulation (R30) in the ceiling is adequate, and the existing insulation (R13) in the walls is adequate.
- Based on our observations and analysis, the existing foundation is adequate as constructed to support the anticipated loading conditions.
- 3) Based on our observations and analysis, the existing foundation is adequate as constructed to support the anticipated loading conditions.
- 4) Based on our observations and analysis, the existing foundation is adequate as constructed to support the anticipated loading conditions.
- 5) Based on our observations and analysis, the existing 2x8 floor joist @ 16" O.C., 2x6 Ceiling Joist @ 16" O.C. and 2x6 Rafters @ 16" O.C. with a 2x8 ridge are adequate as constructed to support the anticipated loading conditions.
- 6) Based on our observations and analysis, the existing rear game room roof system bearing on the existing roof system is adequate as constructed to support the anticpated loading conditions.

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

Sincerely, Tyndall Engineering & Design 8 14 Sean M. Holmes

Sean M. Holmes SMH\09GAR-F0540a



Page 1 of 1

Certificate o	Planning Ser f Compliance		vancy: ×	
	o the requirements of North		•	- t
County Zoning Ordinances.	This certifies at the time of is	suance, this structure wa	s in compliance with the	e
•	Inty of Harnett and the North C		odes. For the following: mit Numbers	
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