Received: 01/03/19

Harnett COUNTY NORTH CAROLINA

Initial Application Date: 1/2/19

Application # SFD 1901-0003

CU# _____

COUNTY OF HARNETT RESIDENTIAL LAND USE APPLICATION

Central Permitting 108 E. Front Street, Lillington, NC 27546 Phone: (910) 893-7525 ext:2 Fax: (910) 893-2793 www.harnett.org/permits

"A RECORDED SURVEY MAP, RECORDED DEED (OR OFFER TO PURCHASE) & SITE PLAN ARE REQUIRED WHEN SUBMITTING A LAND USE APPLICATION"

LANDOWNER: H&H Constructors of Fayetteville, LLC. Mailing Address: 2919 Breezewood Ave. Ste. 400

City: Fayetteville State: NC Zip: 28303 Contact No: 910-486-4864 Email: Stacysimmons@hhhomes.com

APPLICANT*: Same As Above Mailing Address: Same As Above

City: Fayetteville State: NC Zip: 28303 Contact No: 910-486-4864 Email: Stacysimmons@hhhomes.com

*Please fill out applicant information if different than landowner

CONTACT NAME APPLYING IN OFFICE: Stacy Simmons Phone #: 910-486-4864

ADDRESS: 170 Pitfield Run PIN: 9595-40-4615

DEED OR OTP: 3645:0286

PROPOSED USE:

☒ SFD: (Size 36 x 54) # Bedrooms: 4 # Baths: 2.5 Basement(w/wo bath): ☐ Garage: ☑ Deck: ☐ Crawl Space: ☐ Slab: ☐ Monolithic Slab: ☑

(Is the bonus room finished? (☐) yes (☐) no w/ a closet? (☐) yes (☐) no (if yes add in with # bedrooms)

☐ Mod: (Size ____x____) # Bedrooms___ # Baths___ Basement (w/wo bath) ☐ Garage: ☐ Site Built Deck: ☐ On Frame ☐ Off Frame ☐

(Is the second floor finished? (☐) yes (☐) no Any other site built additions? (☐) yes (☐) no

☐ Manufactured Home: ☐ SW ☐ DW ☐ TW (Size_____x_____) # Bedrooms: ___ Garage: ☐ (site built? ☐ Deck: ☐ site built? ☐

☐ Duplex: (Size ____x____) No. Buildings:_____ No. Bedrooms Per Unit:_____

☐ Home Occupation: # Rooms:_____ Use:_____ Hours of Operation:_____ #Employees:_____

☐ Addition/Accessory/Other: (Size ____x____) Use:_____ Closets in addition? (☐) yes (☐) no

Water Supply: ✓ County ____ Existing Well ____ New Well *(# of dwellings using well _____)* *Must have operable water before final
(Need to Complete New Well Application at the same time as New Tank)

Sewage Supply: ____ New Septic Tank ____ Expansion ____ Relocation ____ Existing Septic Tank ✓ County Sewer
(Complete Environmental Health Checklist on other side of application if Septic)

Does owner of this tract of land, own land that contains a manufactured home within five hundred feet (500') of tract listed above? (___) yes (✓) no

Does the property contain any easements whether underground or overhead (✓) yes (___) no

Structures (existing or proposed): Single family dwellings: Proposed Manufactured Homes:_____ Other (specify):_____

If permits are granted I agree to conform to all ordinances and laws of the State of North Carolina regulating such work and the specifications of plans submitted. I hereby state that foregoing statements are accurate and correct to the best of my knowledge. Permit subject to revocation if false information is provided.

Stacy Simmons 1/2/19

Signature of Owner or Owner's Agent Date

It is the owner/applicants responsibility to provide the county with any applicable information about the subject property, including but not limited to: boundary information, house location, underground or overhead easements, etc. The county or its employees are not responsible for any incorrect or missing information that is contained within these applications.

*This application expires 6 months from the initial date if permits have not been issued**

APPLICATION CONTINUES ON BACK

strong roots • new growth

Harnett COUNTY NORTH CAROLINA

Application # SFD1901-0003

Harnett County Central Permitting
PO Box 65 Lillington, NC 27546
910-893-7525 Fax 910-893-2793 www.harnett.org/permits

* Each section below to be filled out by whomever performing work. Must be owner or licensed contractor. Address, company name & phone must match information on license.

Application for Residential Building and Trades Permit

Owner's Name: H&H Constructors of Fayetteville, LLC. Date: 1/2/19

Site Address: 170 Pittfield Run Phone: 910-486-4864

Subdivision: Manor @ Lexington Plantation Lot: 637

Description of Proposed Work: New Single Family Residential

General Contractor Information

H&H Constructors of Fayetteville, LLC. — 910-486-4864
Building Contractor's Company Name — Telephone

2919 Breezewood Ave. Ste. 400 Fayetteville, NC 28303 — Stacysimmons@hhhomes.com
Address — Email Address

74158
License #

Electrical Contractor Information

Description of Work Single Family Electric Service Size: 200 Amps T-Pole: ☒ Yes ☐ No

JM Pope Electric, Inc. — 919-776-5144
Electrical Contractor's Company Name — Telephone

409 Chatham Street Sanford, NC 27330 — Electricpope@windstream.net.
Address — Email Address

21326
License #

Mechanical/HVAC Contractor Information

Description of Work Single Family HVAC

Carolina comfort Air, Inc. — 910-891-1239
Mechanical Contractor's Company Name — Telephone

703 N. Clinton Ave. Dunn, NC 28334 — Carolinacomfortair@yahoo.com
Address — Email Address

29077 H-3-1
License #

Plumbing Contractor Information

Description of Work Single Family Plumbing # Baths 2.5

Dell HairePlumbing — 910-429-9939
Plumbing Contractor's Company Name — Telephone

PO Box 65048/ 620 Gillespie St. Fay. NC 28306 — dellhaireplumbing@hotmail.com
Address — Email Address

32886 P-1
License #

Insulation Contractor Information

Tricity Insulation Inc. 418 Person St. Fay. NC 28301 — 910-486-8855
Insulation Contractor's Company Name & Address — Telephone

***NOTE: General Contractor / owner must fill out and sign the second page of this application.**

Harnett COUNTY NORTH CAROLINA

I hereby certify that I have the authority to make necessary application, that the application is correct and that the construction will conform to the regulations in the Building, Electrical, Plumbing and Mechanical codes, and the Harnett County Zoning Ordinance. I state the information on the above contractors is correct as known to me and that **by signing below I have obtained all subcontractors permission to obtain these permits** and if **any** changes occur including listed contractors, site plan, number of bedrooms, building and trade plans, Environmental Health permit changes or proposed use changes, I certify it is my responsibility to notify the Harnett County Central Permitting Department of any and all changes.

EXPIRED PERMIT FEES - 6 Months to 2 years permit re-issue fee is $150.00. After 2 years re-issue fee is as per current fee schedule.

Signature of Owner/Contractor/Officer(s) of Corporation — Date 1/2/19

Affidavit for Worker's Compensation N.C.G.S. 87-14

The undersigned applicant being the:

☒ General Contractor ☐ Owner ☒ Officer/Agent of the Contractor or Owner

Do hereby confirm under penalties of perjury that the person(s), firm(s) or corporation(s) performing the work set forth in the permit:

☒ Has three (3) or more employees and has obtained workers' compensation insurance to cover them.

☐ Has one (1) or more subcontractors(s) and has obtained workers' compensation insurance to cover them.

☒ Has one (1) or more subcontractors(s) who has their own policy of workers' compensation insurance covering themselves.

☐ Has no more than two (2) employees and no subcontractors.

While working on the project for which this permit is sought it is understood that the Central Permitting Department issuing the permit may require certificates of coverage of worker's compensation insurance prior to issuance of the permit and at any time during the permitted work from any person, firm or corporation carrying out the work.

Sign w/Title: _____ Date: 1/2/19

I, MICHAEL P. GRIFFIN, certify that under my direction and supervision this map was drawn from an actual field survey; that the error of closure of the survey as calculated by coordinates is 1: 10,000+ ; that the area shown hereon was calculated by coordinates.

Witness my hand and seal this day of MONTH 2008.

MAP 2017 PGS 98-99
HARNETT CO. REGISTRY

SITE PLAN APPROVAL

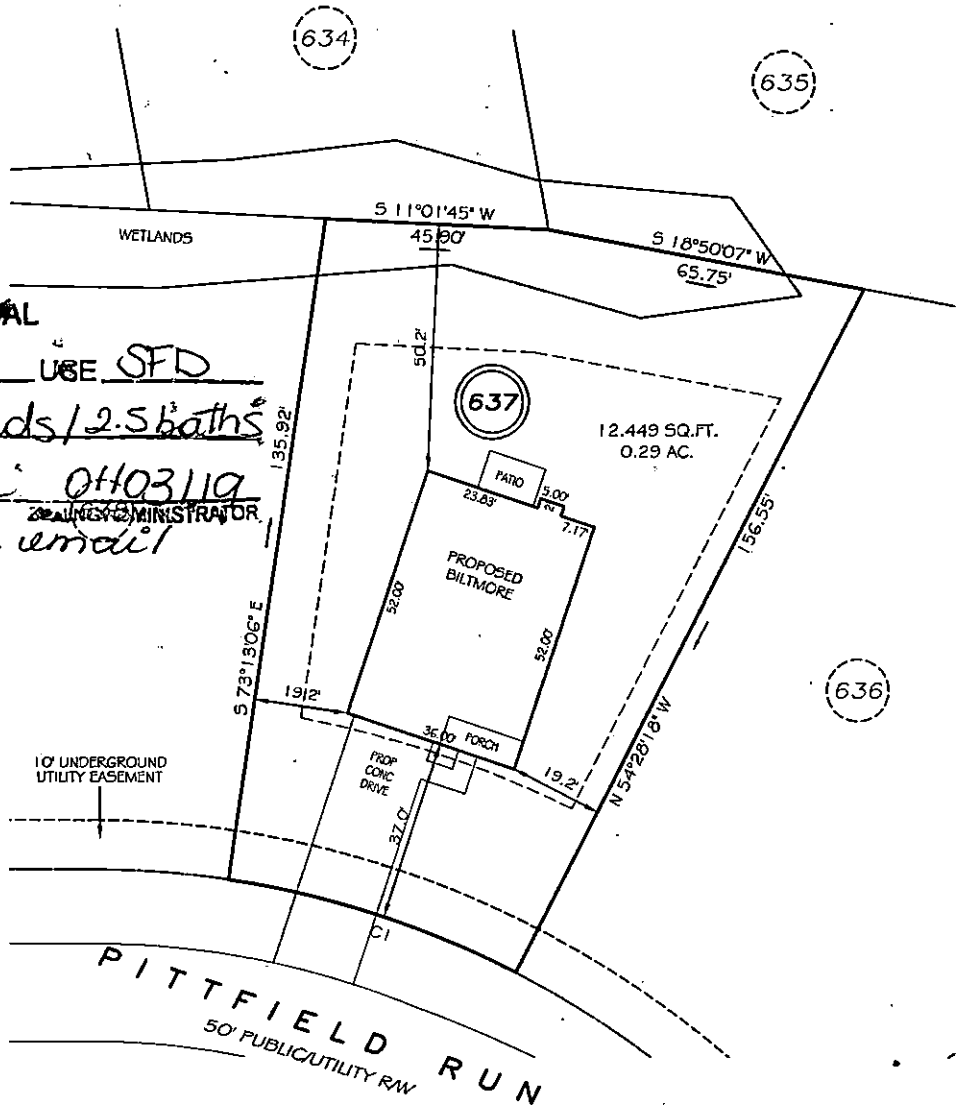
DISTRICT RA-20 USE SFD

#BEDROOMS 4beds/2.5baths

Okiaszuski 01/03/19
ZONING ADMINISTRATOR

*Received via email

*GIS ✓



SETBACKS

FRONT	35'
REAR	25'
SIDE (ONE SIDE)	5'
SIDE (ONE SIDE)	10'
CORNER SIDE	20'

C1 R=190.00' L=62.17' N26°09'18"E 61.89'

PRELIMINARY
NOT FOR RECORDATION, SALES OR CONVEYANCE

LEGEND

EIP	EXISTING IRON PIPE	FES	FLARED END SECTION
IPS	IRON PIPE SET	WM	WATER METER
R/W	RIGHT OF WAY	CO	CLEAN OUT
N/F	NOW OR FORMERLY	FH	FIRE HYDRANT
EIS	EXISTING IRON STAKE	CB	CATCH BASIN

GRIFFIN LAND SURVEYING, INC.
P.O. BOX 148
FUQUAY-VARINA, NC 27526
(919)-567-1963

PLOT PLAN
FOR
H & H HOMES
LEXINGTON PLANTATION
LOT 637
PITTFIELD RUN
NORTH CAROLINA
HARNETT COUNTY ANDERSON CREEK TOWNSHIP

DRAWN BY NMF | DATE 11/15/18

CHECKED BY MPG | SCALE 1" = 30'

DO NOT REMOVE!

Details: Appointment of Lien Agent

Entry #: 966480

Filed on: 12/18/2018
Initially filed by: meaganbradshaw

Designated Lien Agent

First American Title Insurance Company
Online: www.liensnc.com
Address: 19 W. Hargett St., Suite 507 /
Raleigh, NC 27601
Phone: 888-690-7384
Fax: 913-489-5231
Email: support@liensnc.com

Owner Information

H & H Constructors of Fayetteville, LLC
2919 Breezewood Avenue Suite 400
Fayetteville, NC 28303
United States
Email: stacyslmmons@hhhomes.com
Phone: 910-486-4864

Project Property

Lot 637 Manor at Lexington MLP000637
170 Pittfield Run
Cameron, NC 28326
Harnett County

Property Type

1-2 Family Dwelling

Date of First Furnishing

11/15/2018

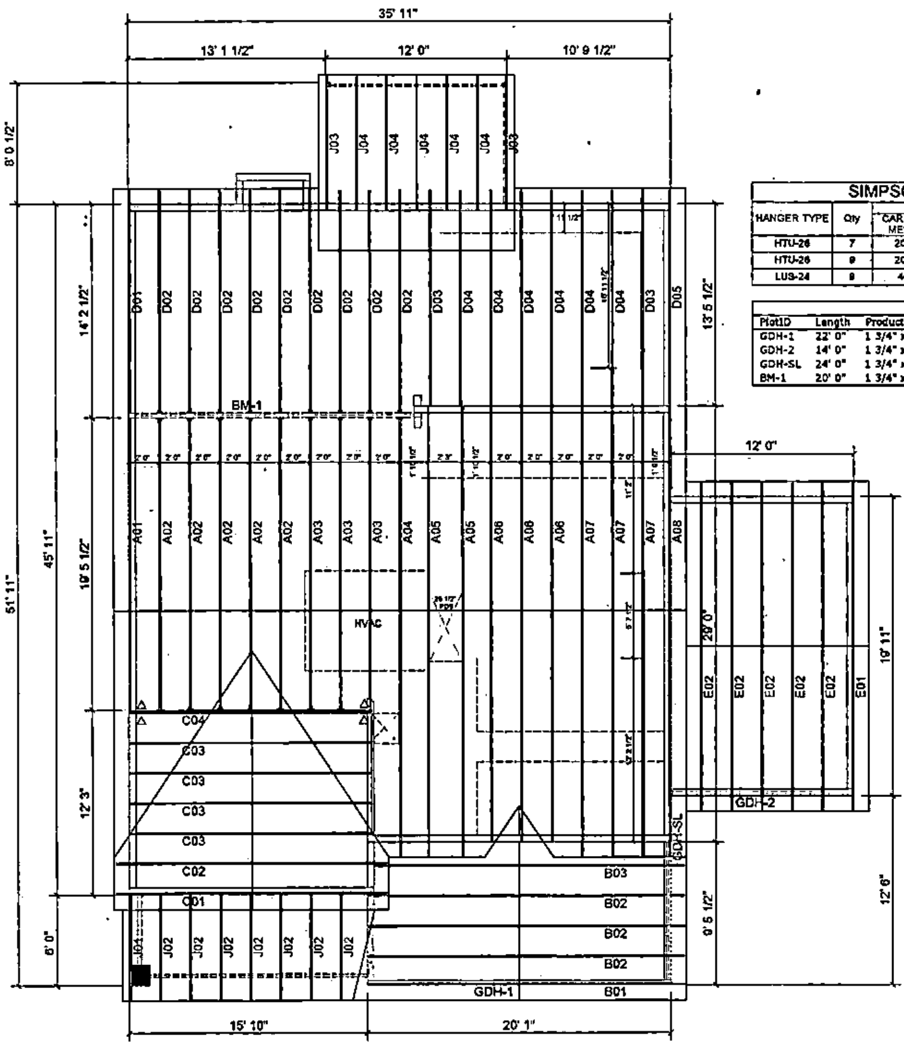
Print & Post

Contractors:
Please post this notice on the Job Site.

Suppliers and Subcontractors:
Scan this image with your smart phone to view this filing. You can then file a Notice to Lien Agent for this project.

View Comments (0)

Technical Support Hotline: (888) 690-7384



SIMPSON CONNECTOR SCHEDULE

HANGER TYPE	Qty	FASTENERS CARRYING MEMBER	FASTENERS CARRIED MEMBER	CARRYING MEMBER	CARRIED MEMBER
HTU-26	7	20-16d	20-10d x 1½	C04	A02-03
HTU-26	9	20-16d	20-10d x 1½	BM-1	A02-04
LUS-24	9	4-10d	2-10d	BM-1	D02

LVL

PlotID	Length	Product	Plies	Net Qty
GDH-1	22' 0"	1 3/4" x 11 7/8" 1.9E Microllam® LVL	2	2
GDH-2	14' 0"	1 3/4" x 11 7/8" 1.9E Microllam® LVL	2	2
GDH-SL	24' 0"	1 3/4" x 18" 1.9E Microllam® LVL	3	3
BM-1	20' 0"	1 3/4" x 24" 1.9E Microllam® LVL	2	2

THE SUGGESTED TRUSS HANGERS, CONNECTIONS AND TIE-DOWNS FOR GRAVITY, UPLIFT AND LATERAL LOADS, MUST BE REVIEWED BY THE BUILDING DESIGNER OR ENGINEER OF RECORD, PER ANSI/TPI 1-2002. ALL "TRUSS TO WALL" AND "TRUSS TO BEAM" CONNECTIONS ARE THE RESPONSIBILITY OF THE BUILDING DESIGNER. ALL "TRUSS TO TRUSS" CONNECTIONS ARE THE RESPONSIBILITY OF THE TRUSS DESIGNER/ MANUFACTURER.

All TIEDOWNS H10A UNLESS OTHERWISE NOTED

Symbol	Type	Qty
○	H2.5A	-
☆	H10A	87
△	HTS20	4
○	H14	-
□	TBE4	-
	LGT2	-
	LGT3	-

ROOF TRUSS NOTES:

DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss. *Espanol - (NO CORTE, PERFORE, HAGA MUESCAS O DANE DE CUALQUIER OTRA MANERA LAS TRUSSES (CERCHAS DE MADERA). Contacte a su representante de BFS para asistencia ANTES de realizar cualquier modificación.)*

1. *This Truss Placement Diagram is intended to serve* as a guide for truss installation. This Diagram has been prepared by a Truss Technician and is not an engineered drawing.
2. The responsibilities of the Owner, Building Designer, Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard.
3. The wood components shown on this diagram are to be used in dry service (moisture content<19%) and non-toxic environmental applications. The metal plates and hangers are galvanized to the G60 Standard unless noted otherwise.
4. Refer to the Truss Design Drawings for specific information about each individual truss design.
5. The Truss Technician shall provide Truss-to-Truss Connection Requirements. Any special or other connection shall be the responsibility of the Building Designer.
6. The Truss Placement Diagram and Truss Design Drawings are the property of Builders FirstSource and may not be reused or reproduced in part or in total under any circumstances without prior written authorization.
7. In some cases, field framing may be required to achieve the final appearance shown on the Construction Documents.
8. Field framing, including valley rafters, installed over roof trusses shall have a knee brace from the rafter to the truss top chord at intervals of 48" on center (O.C.) or less. Stagger knee braces from adjacent rafters such that the load is distributed uniformly over multiple truss locations and not concentrated at one location or along one truss.
9. Truss Top Chords shall be fully sheathed or have lateral bracing (purlins) spaced at 24" O.C. or less. Truss Bottom Chord Bracing shall not exceed the maximum shown on the Truss Design Drawing. Field framed bottom chord floor or ceiling attachments shall be spaced at 24" O.C. or less. Proper Bracing prevents buckling of individual truss members due to design loads.
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11. If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load category.
12. The Contractor shall follow the SBCA TTB Partition Separation Prevention and Solutions for truss attachment to non-load bearing walls and carefully complete these details to avoid gypsum wall board related issues.

WARNING:

TRUSSES MUST BE BRACED DURING INSTALLATION. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH. *Espanol - (TRUSSES (CERCHAS) DEBERAN TENER UN SOPORTE DURANTE LA INSTALACION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE.)*

1. Trusses shall be installed in a safe manner meeting all code, local, OSHA, TPI, and BCSI Specifications. Failure to follow these specifications may result in injury or death.
2. Buildings under construction are vulnerable to high winds and present a possible safety hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or death.
3. BCSI INSTRUCTIONS SHALL BE FOLLOWED:
BCSI-B1 = Safe Truss Handling and Installation
BCSI-B2 = Installation and Temporary Restraint
BCSI-B3 = Permanent Restraint
BCSI-B4 = Safe Construction Loading
BCSI-B5 = Truss Damage and Modification Guidelines
BCSI-B7 = Floor Truss Installation
BCSI-B8 = Toe-Nailed Connections
BCSI-B9 = Multi-Ply Girders
BCSI-B10 = Post Frame Truss Installation
BCSI-B11 = Fall Protection
4. Follow TPI Requirements for Long Span Trusses (>60').

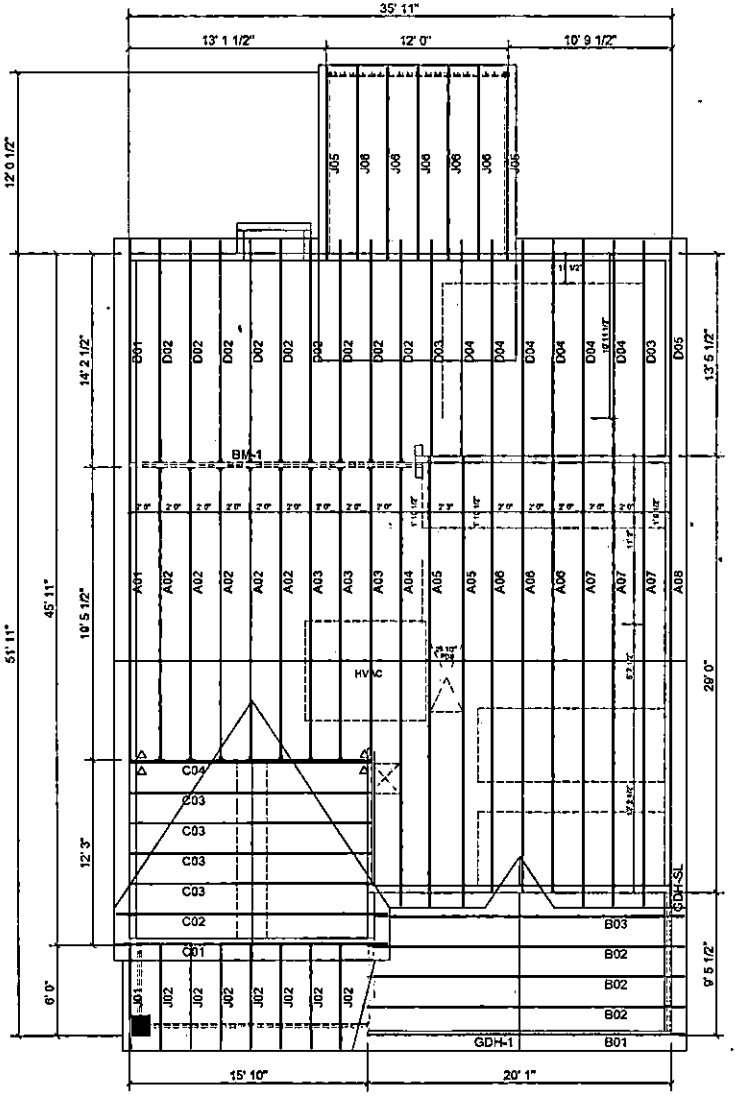
REVISIONS	
1	X
2	X
3	X
4	X

H&H
Biltmore A/B
Base + COP + 3CG
Lot - Sub
Roof Truss

SUMTER TRUSS PLANT
P.O. BOX 1546
SUMTER, SC 29151
PHONE: (803) 778-1921
FAX: (803) 773-4731

Builders FirstSource

DRAWN BY
JR
DATE
2/25/16
JOB NUMBER
XXXXXX
SHEET NUMBER
1 of 1



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ALL TIEDOWNS H10A UNLESS OTHERWISE NOTED

H2.5A	-
H10A	77
HTS20	4
H14	-
TBE4	-
LGT2	-
LGT3	-

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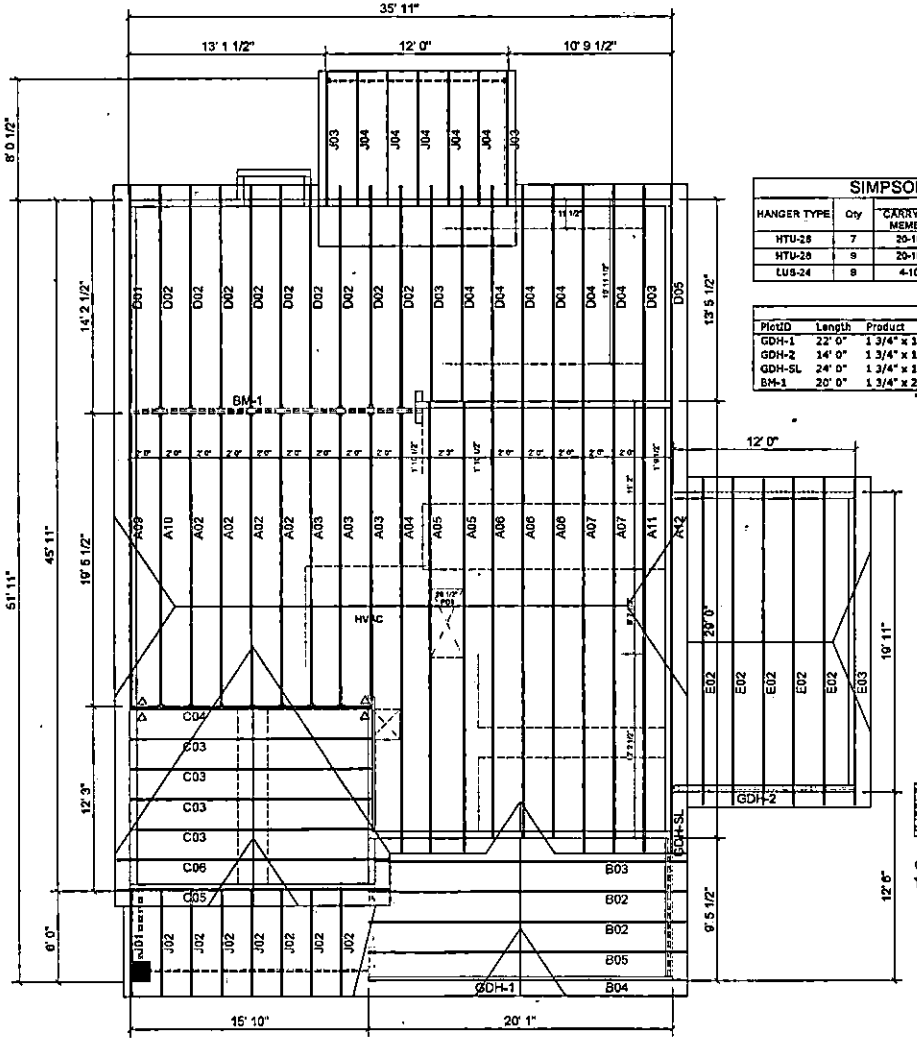
REVISIONS	
1	X
2	X
3	X
4	X

H&H
Biltmore A/B
Base + COPX
Lot - Sub
Roof Truss

SUMTER TRUSS PLANT
P.O. BOX 1546
SUMTER, SC 29151
PHONE: (803) 778-1921
FAX: (803) 773-4731

Builders FirstSource

DRAWN BY: JR
DATE: 2/25/16
JOB NUMBER: XXXXXX
SHEET NUMBER: 1 of 1



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LVL

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All TIEDOWNS H10A UNLESS OTHERWISE NOTED

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HTS20	4
H14	-
TBE4	-
LGT2	-
LGT3	-

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11. If Piggyback Trusses are included in this project, refer to the Mitek Piggyback Connection Detail applicable for the project details and wind load category.

12. The Contractor shall follow the SBCA TTB Partition Separation Prevention and Solutions for truss attachment to non-load bearing walls and carefully complete these details to avoid gypsum wall board related issues.

WARNING:

TRUSSES MUST BE BRACED DURING INSTALLATION. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH. *Espanol - (TRUSSES (CERCHAS) DEBERAN TENER UN SOPORTE DURANTE LA INSTALACION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE.)*

1. Trusses shall be installed in a safe manner meeting all code, local, OSHA, TPI, and BCSI Specifications. Failure to follow these specifications may result in injury or death.
2. Buildings under construction are vulnerable to high winds and present a possible safety hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or death.
3. BCSI INSTRUCTIONS SHALL BE FOLLOWED:
BCSI-B1 = Safe Truss Handling and Installation
BCSI-B2 = Installation and Temporary Restraint
BCSI-B3 = Permanent Restraint
BCSI-B4 = Safe Construction Loading
BCSI-B5 = Truss Damage and Modification Guidelines
BCSI-B7 = Floor Truss Installation
BCSI-B8 = Toe-Nailed Connections
BCSI-B9 = Multi-Ply Girders
BCSI-B10 = Post Frame Truss Installation
BCSI-B11 = Fall Protection
4. Follow TPI Requirements for Long Span Trusses (>60').

REVISIONS	
1	X
2	X
3	X
4	X

H&H
Biltmore C
Base + COP + 3CG
Lot - Sub
Roof Truss

SUMTER TRUSS PLANT
P.O. BOX 1546
SUMTER, SC 29151
PHONE: (803) 778-1921
FAX: (803) 773-4731

Builders FirstSource

DRAWN BY: JR
DATE: 2/25/16
JOB NUMBER: XXXXXX
SHEET NUMBER: 1 of 1

BILTMORE
SEAL DATE 02/17/16
2ND FLOOR TJI PLACEMENT PLAN

TJIs

PlotID	Length	Product	Plies	Net Qty
F29	28' 6 1/2"	14" TJI® 110	1	6
F29A	28' 4 3/4"	14" TJI® 110	1	2
F29B	28' 4 3/4"	14" TJI® 110	1	1
F28	27' 5 1/4"	14" TJI® 110	1	5
F28A	27' 5 1/4"	14" TJI® 110	1	2
F16	15' 10"	14" TJI® 110	1	2
F14	13' 5"	14" TJI® 110	1	1
F12	11' 10 3/4"	14" TJI® 110	1	1
F10	10' 0 1/2"	14" TJI® 110	1	1
F6	5' 4 1/2"	14" TJI® 110	1	1
F4	3' 6"	14" TJI® 110	1	1
CBk1	2' 0"	14" TJI® 110	1	8
CBk2	2' 0"	14" TJI® 110	1	1
CBk2	1' 0"	14" TJI® 110	1	3

Microllam

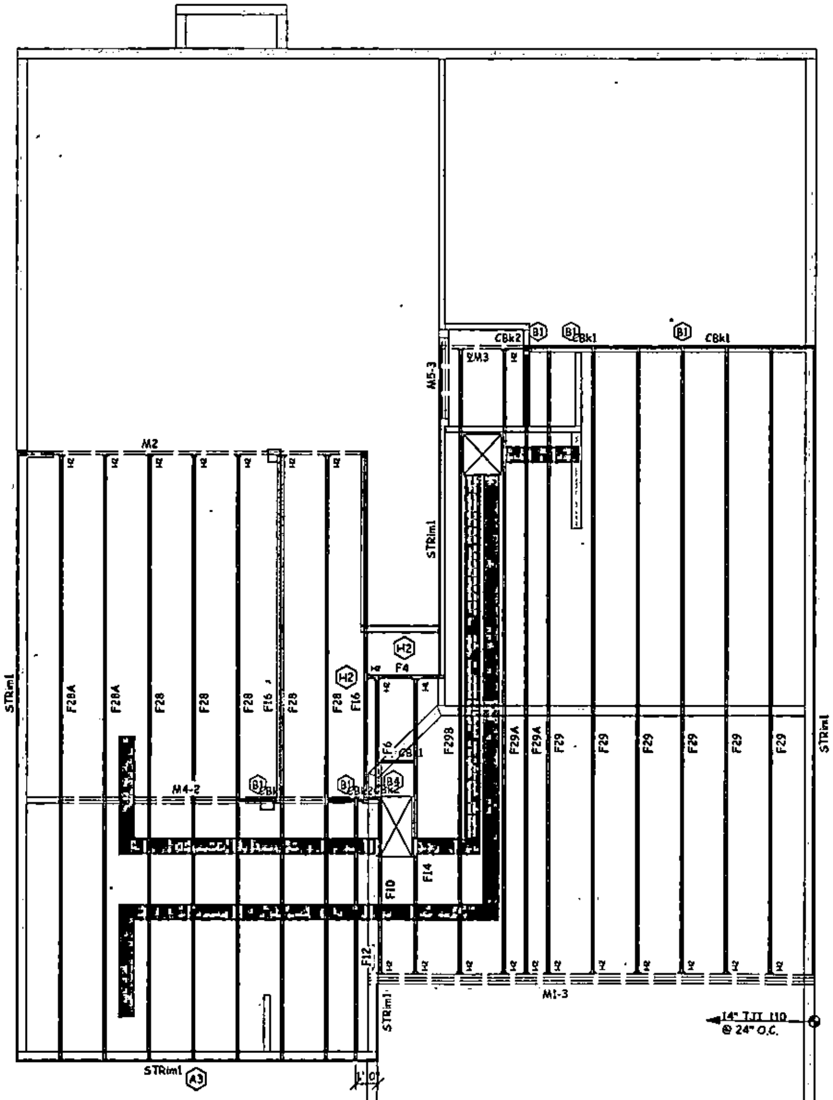
PlotID	Length	Product	Plies	Net Qty
M1-3	22' 0"	1 3/4" x 18" 2.0E Microllam® LVL	3	3
M2	16' 0"	1 3/4" x 14" 2.0E Microllam® LVL	1	1
M3	4' 0"	1 3/4" x 14" 2.0E Microllam® LVL	1	1
M4-2	16' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL	2	2
M5-3	4' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL	3	3

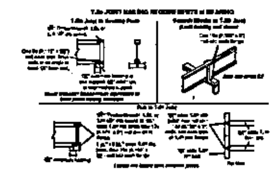
TJ Rim Board

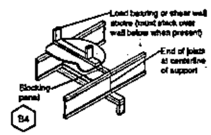
PlotID	Length	Product	Plies	Net Qty
STRim1	16' 0"	1 1/8" x 14" TJ® Rim Board	1	6

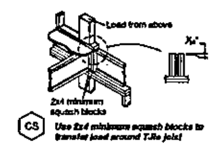
Framing Connector Summary

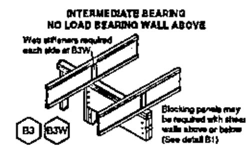
PlotID	Qty	Manuf	Product
H1	1	Simpson	HU14
H2	22	Simpson	IUS1.81/14

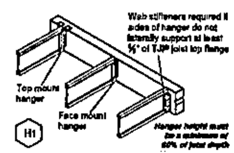


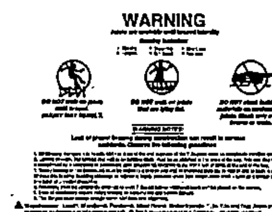












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FAYETTEVILLE NC 28305
V: 910.485.1111

3189 NC HIGHWAYS
ABERDEEN NC 28315
V: 910.944.2516

GENERAL NOTES
1.) READ THE INSTALLATION GUIDE BEFORE FRAMING
2.) ALL WALL SHOWN ARE LOAD BEARING UNLESS NOTES OTHERWISE. WALLS NOT SHOWN HAVE BEEN CONSIDERED NON LOAD BEARING
3.) UNLESS STATED OTHERWISE ALL CEILING & ROOF LOADS BRACE DIRECTLY TO LOAD BEARING WALLS SUPPORTED BY FOUNDATION
4.) CONTACT YOU LOCAL BUILDERS FIRSTSOURCE LOCATION BEFORE MAKING ANY ALTERATION & ADJUSTMENTS. FAILURE MAY RESULT IN COSTLY REPAIRS

BUILDER: **H & H HOMES**
MODEL: **BILTMORE - MASTER**
SECOND FLOOR EWP PLACEMENT PLAN
BFS - Greensboro, Aberdeen, & Fayetteville Mkt
DRAWN BY: JG | JOB FILE: | Date: XX/XX/XX
SCALE: NTS

MINIMUM DESIGN DATA
LIVE LOAD 40 PSF
DEAD LOAD 10 PSF
TOTAL LOAD 50 PSF
STRESS DURATION = 100%
DEFLECTION CRITERIA
L/480 minimum

FRAMER NOTE !!!!
SOLID BLOCK POST LOADS WITH 2x4 SQUASH BLOCKS FROM ABOVE TO BEARING PLATE BELOW. (ALL EXTERIOR DOOR HEADER JACK)

ARCHITECTURAL PLAN DATE: XX/XX/XX
REVISED ARCH. PLAN DATE: XX/XX/XX

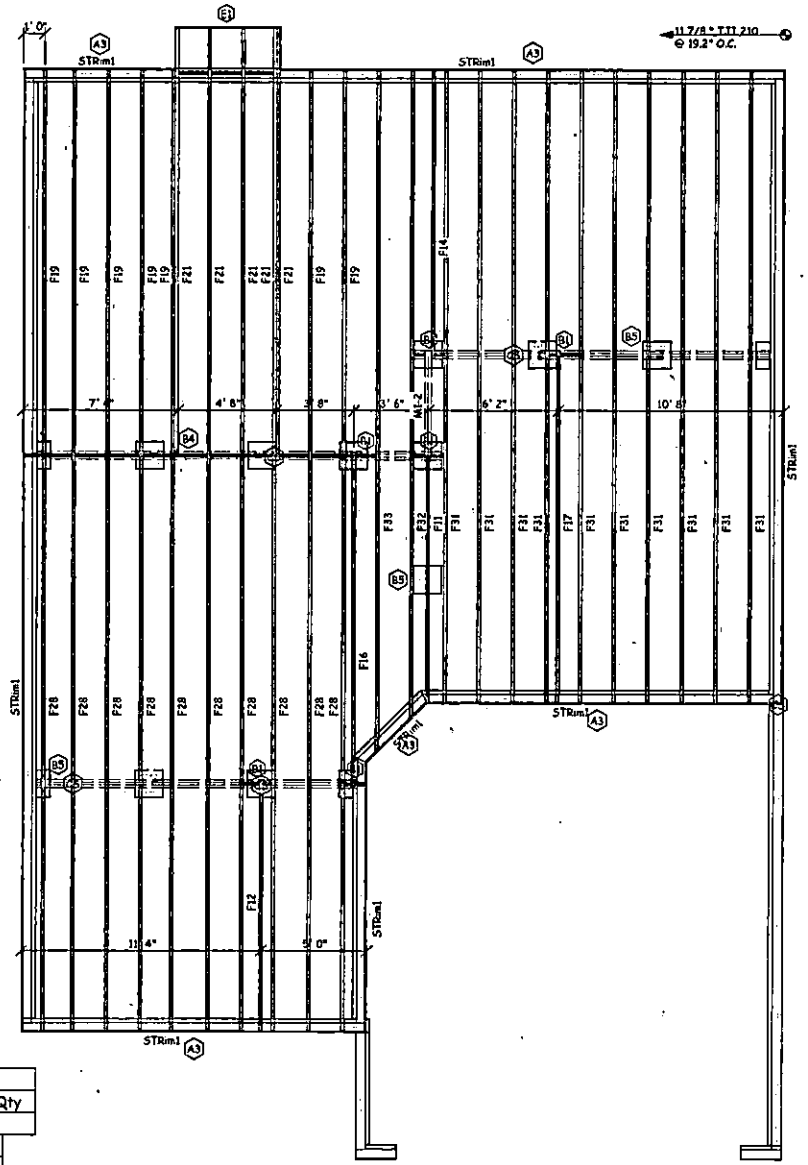
Sheet
1 of 3

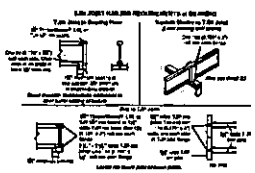
BILTMORE
SEAL DATE 02/17/16
1ST FLOOR TJI PLACEMENT PLAN

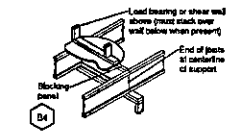
TJIs				
PlotID	Length	Product	Plies	Net Qty
F33	32' 10 1/2"	11 7/8" TJI® 210	1	1
F32	31' 3 1/4"	11 7/8" TJI® 210	1	1
F31	30' 1 3/4"	11 7/8" TJI® 210	1	10
F28	27' 5"	11 7/8" TJI® 210	1	10
F21	20' 5"	11 7/8" TJI® 210	1	5
F19	18' 5"	11 7/8" TJI® 210	1	7
F17	16' 9 1/4"	11 7/8" TJI® 210	1	1
F16	16' 0 1/2"	11 7/8" TJI® 210	1	1
F14	13' 9 1/4"	11 7/8" TJI® 210	1	1
F12	11' 11 1/4"	11 7/8" TJI® 210	1	1
F11	11' 9"	11 7/8" TJI® 210	1	1
FBk1	2' 0"	11 7/8" TJI® 210	1	12
FBk1	1' 0"	11 7/8" TJI® 210	1	2
FBk2	1' 0"	11 7/8" TJI® 210	1	11

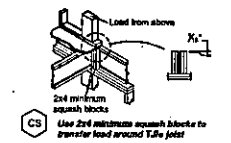
Microllam				
PlotID	Length	Product	Plies	Net Qty
M1-2	6' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	2	2

TJ Rim Board				
PlotID	Length	Product	Plies	Net Qty
STRim1	16' 0"	1 1/8" x 11 7/8" TJ® Rim Board	1	11

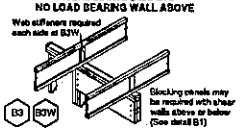


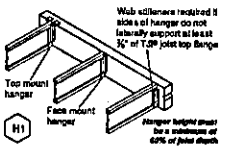






INTERMEDIATE BEARING
NO LOAD BEARING WALL ABOVE





WARNING

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V: 910.485.1111
3189 NC HIGHWAYS
ABERDEEN NC 28315
V: 910.944.2516

GENERAL NOTES
1.) READ THE INSTALLATION GUIDE BEFORE FRAMING.
2.) ALL WALLS NOT SHOWN HAVE NON-LOAD BEARING WALLS BELOW UNLESS OTHERWISE
WALLS NOT SHOWN HAVE NON-CONCRETE NON-LOAD BEARING
LOAD BEARING WALLS RESPONSIBILITY OF BUILDER'S FLOOR LOADS SHOULD BE DIRECTLY TO
3.) DO NOT CUT, NOTCH OR DRILL HOLES IN FLOOR JOISTS WITHOUT FIRST CONSULTING
4.) CONTACT YOU LOCAL BUILDERS FIRSTSOURCE LOCATION BEFORE MAKING ANY
ALTERATION'S AGAINST NOTE, FAILURE MAY RESULT IN COSTLY REPAIRS

TrusJoist

BUILDER: H & H HOMES
MODEL: BILTMORE - MASTER
FIRST FLOOR EWP PLACEMENT PLAN
BFS - Greensboro, Aberdeen, & Fayetteville Mkt
Drawn BY: JG
Date: XX/XX/XX
SCALE: NTS
Job No.:

MINIMUM DESIGN DATA
LIVE LOAD 40 PSF
DEAD LOAD 15 PSF
TOTAL LOAD 55 PSF
STRESS DURATION = 100%
DEFLECTION CRITERIA
L/360 (LIVE)L/240
FRAMER NOTE!!!
SOLID BLOCK POST LOADS WITH 2x4 SQUASH BLOCKS FROM ABOVE TO BEARING PLATE BELOW. (ALL EXTERIOR DOOR HEADER JACK)

ARCHITECTURAL PLAN DATE: XX/XX/XX
ENGINEERED PLAN DATE: XX/XX/XX

Sheet
1 of 3

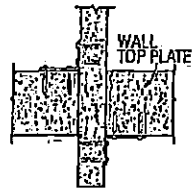
Truss/Rafter to Wood Double Top Plates

Model No.	Qty Reqd	Fasteners		DF/SP Allowable Loads				SPF Allowable Loads			
		To Rafters	To Plates	Uplift (133)	Uplift (160)	Parallel to Plate (F_1) (133/160)	Perp. to Plate (F_2) (133/160)	Uplift (133)	Uplift (160)	Parallel to Plate (F_1) (133/160)	Perp. to Plate (F_2) (133/160)
H2.5	1	5-8d	5-8d	415	415	150	150	365	365	130	130
H5A	1	3-8d	3-8d	350	420	115	180	245	245	100	120
HGA10	1	4-SDS¼x1½	4-SDS¼x3	435	435	1165	940	375	375	870	815
H5	1	4-8d	4-8d	455	465	115	200	285	265	100	170
H1	1	6-8dx1½	4-8d	490	585	485	165	400	400	415	140
H2.5A	1	5-8d	5-8d	600	600	110	110	520	535	110	110
LTS12	1	6-10dx1½	6-10dx1½	720	720	75	125	620	620	75	125
H8	1	5-10dx1½	5-10dx1½	620	745	—	—	530	565	—	—
H10-2	1	6-10d	6-10d	760	760	455	395	655	655	390	340
H2.5	2	10-8d	10-8d	830	830	300	300	730	730	260	260
H5	2	8-8d	8-8d	910	930	230	400	530	530	200	340
H10	1	8-8dx1½	8-8dx1½	905	990	585	525	780	850	505	450
MTS12	1	7-10dx1½	7-10dx1½	840	1000	75	125	730	860	75	125
H1	2	12-8dx1½	8-8d	980	1170	970	330	800	800	830	280
H2.5A	2	10-8d	10-8d	1200	1200	220	220	1040	1070	220	220
LTS12	2	12-10dx1½	12-10dx1½	1440	1440	150	250	1240	1240	150	250
HTS20	1	12-10dx1½	12-10dx1½	1450	1450	75	125	1245	1245	75	125
H16S	1	2-10dx1½	10-10dx1½	1470	1470	—	—	1265	1265	—	—
H16	1	2-10dx1½	10-10dx1½	1470	1470	—	—	1265	1265	—	—
H10	2	16-8dx1½	16-8dx1½	1810	1980	1170	1050	1560	1700	1010	900
MTS12	2	14-10dx1½	14-10dx1½	1680	2000	150	250	1460	1720	150	250

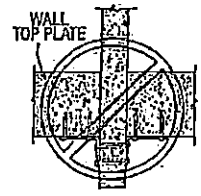
1. "—" In the tables indicates that the product has not been tested in the particular load direction listed.
2. For connections to single top plates, see page 12.
3. Fasten multiple members together to act as a single unit.

D7

Hurricane Tie Installations to Achieve Twice the Load (Top View)

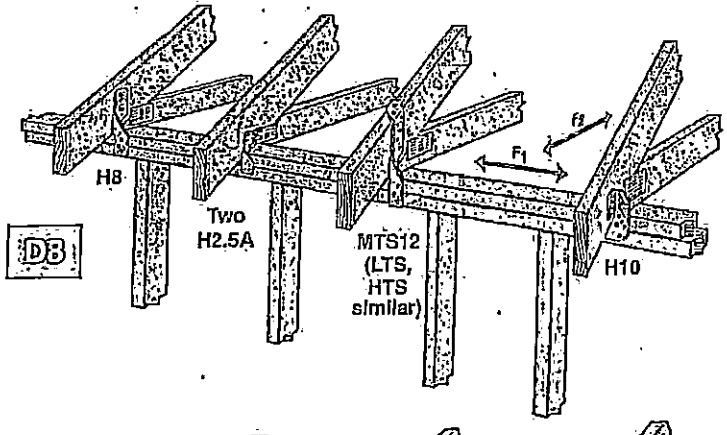


Install diagonally across from each other for minimum 2x truss.

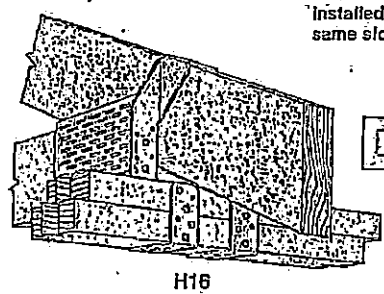


Nailing into both sides of a single ply 2x truss may cause the wood to split. A minimum rafter thickness of 2½" must be used when connectors are installed on the same side.

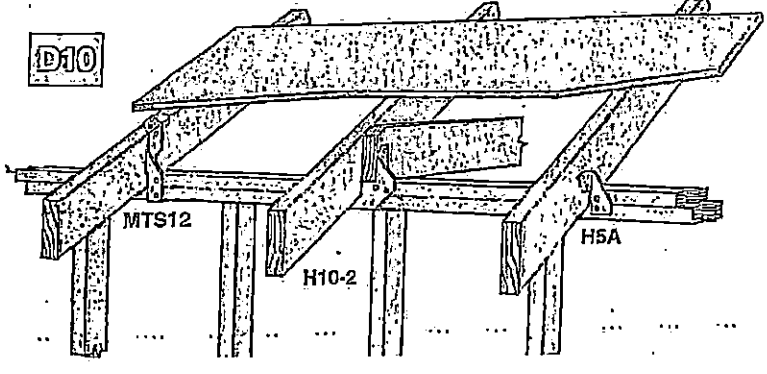
D8

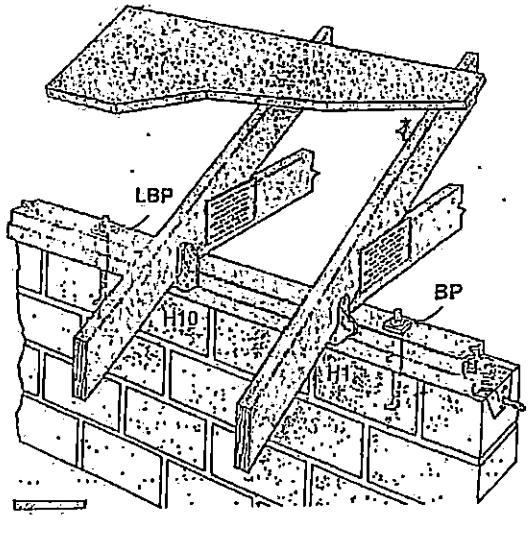


D9



D10





RES*check* Software Version 4.6.2.1
Compliance Certificate

Project Title: Biltmore worst case - slab foundation

Energy Code:	**North Carolina Energy Conservation Code**
Location:	**Lillington, North Carolina**
Construction Type:	**Single Family**
Project Type:	**New construction**
Building Orientation:	**Bldg. faces 90 deg. from North**
Glazing Area Percentage:	**7%**
Heating Degree Days:	**3502**
Climate Zone:	**4**

Construction Site:
NC

Owner/Agent:
H&H Homes
2919 Breezewood Avenue, Suite 400
Fayetteville, NC 28303

Designer/Contractor:
Justin Smith
Southern Energy Management
101 Kitty Hawk Dr
Morrisville, NC 27560
(919) 836-0330
jsmith@southern-energy.com

Compliance: Passes using UA trade-off

Compliance: **1.8% Better Than Code** Maximum UA: **507** Your UA: **498** Maximum SHGC: **0.30** Your SHGC: **0.27**

The % Better or Worse Than Code index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	969	26.0	12.0		26
Ceiling 2: Cathedral Ceiling	858	30.0	0.0		29
Wall 1: Wood Frame, 16" o.c. Orientation: Front	648	19.0	0.0		32
Window 1: Vinyl Frame:Double Pane with Low-E SHGC: 0.27 Orientation: Front	75			0.350	26
Door 1: Solid Orientation: Front	20			0.200	4
Door 2: Solid Orientation: Front	18			0.200	4
Wall 2: Wood Frame, 16" o.c. Orientation: Left Side	924	19.0	0.0		53
Window 2: Vinyl Frame:Double Pane with Low-E SHGC: 0.27 Orientation: Left Side	38			0.350	13
Wall 3: Wood Frame, 16" o.c. Orientation: Right Side	924	19.0	0.0		53
Window 3: Vinyl Frame:Double Pane with Low-E SHGC: 0.27 Orientation: Right Side	45			0.350	16
Wall 4: Wood Frame, 16" o.c. Orientation: Back	648	19.0	0.0		35
Window 4: Vinyl Frame:Double Pane with Low-E SHGC: 0.27 Orientation: Back	63			0.350	22
slab: Slab-On-Grade:Unheated Insulation depth: 0.0'	163		0.0		170
over garage: All-Wood Joist/Truss:Over Unconditioned Space	322	19.0	0.0		15

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the North Carolina Energy Conservation Code requirements in RES*check* Version 4.6.2.1 and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Name - Title

Justin Smith

Signature

Digitally signed by Justin Smith
DN: cn=Justin Smith, o=SEM, ou, email=jsmith@southern-energy.com, c=US
Date: 2016.11.22 11:30:47 -05'00'

Date

RES*check* Software Version 4.6.2.1
Inspection Checklist

Energy Code:	**North Carolina Energy Conservation Code**
Location:	**Lillington, North Carolina**
Construction Type:	**Single Family**
Project Type:	**New construction**
Building Orientation:	**Bldg. faces 90 deg. from North**
Glazing Area Percentage:	**7%**
Heating Degree Days:	**3502**
Climate Zone:	**4**

Ceilings:

☐ Ceiling 1: Flat Ceiling or Scissor Truss, R-26.0 cavity + R-12.0 continuous insulation
Comments: _____

☐ Ceiling 2: Cathedral Ceiling, R-30.0 cavity insulation
Comments: _____

Above-Grade Walls:

☐ Wall 1: Wood Frame, 16" o.c., R-19.0 cavity insulation
Comments: _____

☐ Wall 2: Wood Frame, 16" o.c., R-19.0 cavity insulation
Comments: _____

☐ Wall 3: Wood Frame, 16" o.c., R-19.0 cavity insulation
Comments: _____

☐ Wall 4: Wood Frame, 16" o.c., R-19.0 cavity insulation
Comments: _____

Windows:

☐ Window 1: Vinyl Frame:Double Pane with Low-E, U-factor: 0.350, SHGC: 0.27,
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 2: Vinyl Frame:Double Pane with Low-E, U-factor: 0.350, SHGC: 0.27,
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 3: Vinyl Frame:Double Pane with Low-E, U-factor: 0.350, SHGC: 0.27,
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 4: Vinyl Frame:Double Pane with Low-E, U-factor: 0.350, SHGC: 0.27,
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

Doors:

☐ Door 1: Solid, U-factor: 0.200
Comments: _____

☐ Door 2: Solid, U-factor: 0.200

Comments: _____

Floors:

☐ slab: Slab-On-Grade:Unheated, R-0 (uninsulated)

Comments: _____

Slab insulation extends down from the top of the slab to at least 0.0 ft. OR down to at least the bottom of the slab then horizontally for a total distance of 0.0 ft. Slab edge insulation must have a 2 inch termite inspection gap.

☐ over garage: All-Wood Joist/Truss:Over Unconditioned Space, R-19.0 cavity insulation

Comments: _____

Floor insulation is installed to maintain permanent continuous contact with the underside of the subfloor decking, and insulation ends are blocked. Insulation supports that are noncontinuous (i.e., tension support wires) are spaced no more than 18 inches apart and are within 6 inches from each end of the insulation.

Solar Heat Gain Coefficient:

☐ Solar Heat Gain Coefficient (SHGC) values are determined in accordance with the NFRC test procedure or taken from the default table.

Air Leakage:

☐ Joints (including rim joist junctions), attic access openings, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed with caulk, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material.

☐ Air barrier and sealing exists on common walls between dwelling units, on exterior walls behind tubs/showers, and in openings between window/door jambs and framing.

☐ Recessed lights in the building thermal envelope are 1) type IC rated and ASTM E283 labeled and 2) sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.

☐ Access doors separating conditioned from unconditioned space (e.g., attic, unconditioned basements and crawlspaces) are weather-stripped and insulated (without insulation compression or damage). Where loose fill insulation exists, a wood framed or equivalent baffle is installed to maintain insulation application. Required insulation values are as follows:

(1) Hinged vertical doors have a minimum of R-5 insulation.

(2) Hatches/scuttle hole covers have a minimum of R-10 insulation.

(3) Pull down stairs have a minimum of R-5 rigid insulation.

☐ Site-built masonry fireplaces have doors and comply with Section R1006 of the North Carolina Residential Code for combustion air.

Air Sealing and Insulation:

☐ Building envelope air tightness and insulation installation complies with one of the following (mark the method that was applied):

(1) ____ Post rough-in blower door test result of less than or equal to 5 ACH at 50 pascals.

(2) ____ Post rough-in blower door test result of less than or equal to 0.30 CFM50/square foot of surface area.

(3) ____ Visual inspection. The following items, along with all other air leakage requirements in this report, are certified by the builder, permit holder or registered design professional as completed.

(a) Ceiling/attic: Sealants or gaskets provide a continuous air barrier system joining the top plate of framed walls with either the ceiling drywall or the top edge of wall drywall to prevent air leakage. Top plate penetrations are sealed.

(b) Ceiling/attic: For ceiling finishes that are not air barrier systems such as tongue-and-groove planks, air barrier systems (e.g., taped house wrap) are used above the finish.

(c) Above Grade Walls: Sill plate is gasketed or sealed to subfloor or slab.

(d) Windows/doors: Space between window and door jambs and framing are sealed.

(e) Floors: Air barrier system is installed at any exposed edge of insulation.

Sunrooms:

☐ Sunrooms that are thermally isolated from the building envelope have a maximum fenestration U-factor of 0.40 and the maximum skylight U-factor of 0.75.

☐ Sunrooms with cooling systems shall have a maximum fenestration SHGC or 0.40 for all glazing.

Materials Identification and Installation:

☐ Materials and equipment are installed in accordance with the manufacturer's installation instructions.

☐ Materials and equipment are identified so that compliance can be determined.

☐ Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment have been provided.

☐ Insulation R-values and glazing U-factors are clearly marked on the building plans or specifications.

Duct Insulation:

☐ Supply and return ducts in unconditioned space and outdoors are insulated to R-8. Supply ducts inside semi-conditioned space are insulated to R-4.

Duct Construction and Testing:

- ☐ Building framing cavities are not used as supply ducts.
- ☐ All joints and seams of air ducts, air handlers, filter boxes, and building cavities used as return ducts are sealed. Joints and seams comply with Part V - Mechanical, Section 603.9 of the North Carolina Residential Code.
- ☐ Postconstruction total duct leakage test (including air handler enclosure) has been performed and results are less than or equal to 147.1 cfm (6 cfm per 100 ft2 of conditioned floor area) pressure differential of 0.1 inches w.g. Tests are performed according to North Carolina Energy Conservation Code guidelines (Section 403.2.2).

Temperature Controls:

- ☐ Where the primary heating system is a forced air-furnace, at least one programmable thermostat is installed to control the primary heating system and has set-points initialized at 70 degree F for the heating cycle and 78 degree F for the cooling cycle.
- ☐ Heat pumps having supplementary electric-resistance heat have controls that prevent supplemental heat operation when the compressor can meet the heating load.

Heating and Cooling Equipment Sizing:

- ☐ Heating and cooling equipment shall be sized in accordance with the North Carolina Mechanical Code.
- ☐ For systems serving multiple dwelling units documentation has been submitted demonstrating compliance with 2009 IECC Commercial Building Mechanical and/or Service Water Heating (Sections 503 and 504).

Circulating Service Hot Water Systems:

- ☐ Circulating service hot water pipes are insulated to R-2.
- ☐ Circulating service hot water systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use.

Heating and Cooling Piping Insulation:

- ☐ HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-3.

Swimming Pools:

- ☐ Heated swimming pools have an on/off heater switch.
- ☐ Pool heaters operating on natural gas or LPG have an electronic pilot light.
- ☐ Timer switches on pool heaters and pumps are present.
  Exceptions:

  Where public health standards require continuous pump operation.

  Where pumps operate within solar- and/or waste-heat-recovery systems.
- ☐ Heated swimming pools and in-ground permenantly installed spas have a vapor-retardent cover.
  Exceptions:

  Covers are not required when 70% of the heating energy is from site-recovered energy or solar energy source.

Lighting Requirements:

- ☐ A minimum of 75 percent of the lamps in permanently installed lighting fixtures can be categorized as one of the following:

  (a) Compact fluorescent

  (b) T-8 or smaller diameter linear fluorescent

  (c) 40 lumens per watt for lamp wattage <= 15

  (d) 50 lumens per watt for lamp wattage > 15 and <= 40

  (e) 60 lumens per watt for lamp wattage > 40

Other Requirements:

- ☐ Snow- and ice-melting systems with energy supplied from the service to a building shall include automatic controls capable of shutting off the system when a) the pavement temperature is above 50 degrees F, b) no precipitation is falling, and c) the outdoor temperature is above 40 degrees F (a manual shutoff control is also permitted to satisfy requirement 'c').

Certificate:

- ☐ A permanent certificate is provided on or in the electrical distribution panel listing the predominant insulation R-values; window U-factors; type and efficiency of space-conditioning and water heating equipment. The certificate does not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels.

NOTES TO FIELD: (Building Department Use Only)

North Carolina Energy Efficiency Certificate

Insulation Rating	R-Value
Ceiling / Roof	38.00
Above-Grade Wall	19.00
Below-Grade Wall	0.00
Floor	19.00
Ductwork (unconditioned spaces):	_____

Glass & Door Rating	U-Factor	SHGC
Window	0.35	0.27
Door	0.20	NA

Heating & Cooling Equipment	Efficiency
Heating System: _____	_____
Cooling System: _____	_____
Water Heater: _____	_____

Building Air Leakage and Duct Test Results	
Air Leakage Compliance Method:	___ Visual Inspection ___ Air Leakage Test
Building Air Leakage Test Results	_____
Name of Air Leakage Tester	_____
Duct Tightness Test Results	_____
Name of Duct Tester	_____

Name: _____ Date: _____

Comments: