DATE 04/22/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027765

APPLICANT CONNIE L. STUART PHONE 386.755.1190

ADDRESS 210 SW BULLARD COURT LAKE CITY FL 32025

OWNER CONNIE STUART PHONE 755-1190

ADDRESS 210 SW BULLARD COURT LAKE CITY FL 32025

CONTRACTOR CONNIE STUART PHONE 386.755.1190

LOCATION OF PROPERTY 47S, TL ON BRODERICK, TR ON BULLARD CT,TR AND IT;S THE 3RD HOME ON L @ CUL-DE-SAC.

TYPE DEVELOPMENT ADDITION/SFD ESTIMATED COST OF CONSTRUCTION 14450.00

HEATED FLOOR AREA 289.00 TOTAL AREA 289.00 HEIGHT 15.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC

LAND USE & ZONING RSF-1 MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 18-4S-17-08466-113 SUBDIVISION SADDLE OF THE SOUTH

LOT 13 BLOCK PHASE UNIT TOTAL ACRES 1.00

		OWNER	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	09-0202-M	BLK	HD	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS:

Check # or Cash 637

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by

Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by

Framing date/app. by Insulation date/app. by

Rough-in plumbing above slab and below wood floor date/app. by Electrical rough-in date/app. by

Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by Pool date/app. by

Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by

Pump pole date/app. by Utility Pole date/app. by M/H tie downs, blocking, electricity and plumbing date/app. by

Reconnection date/app. by RV date/app. by Re-roof date/app. by

BUILDING PERMIT FEE $ 75.00 CERTIFICATION FEE $ 1.45 SURCHARGE FEE $ 1.45

MISC. FEES $ 0.00 ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 152.90

INSPECTORS OFFICE CLERKS OFFICE CH

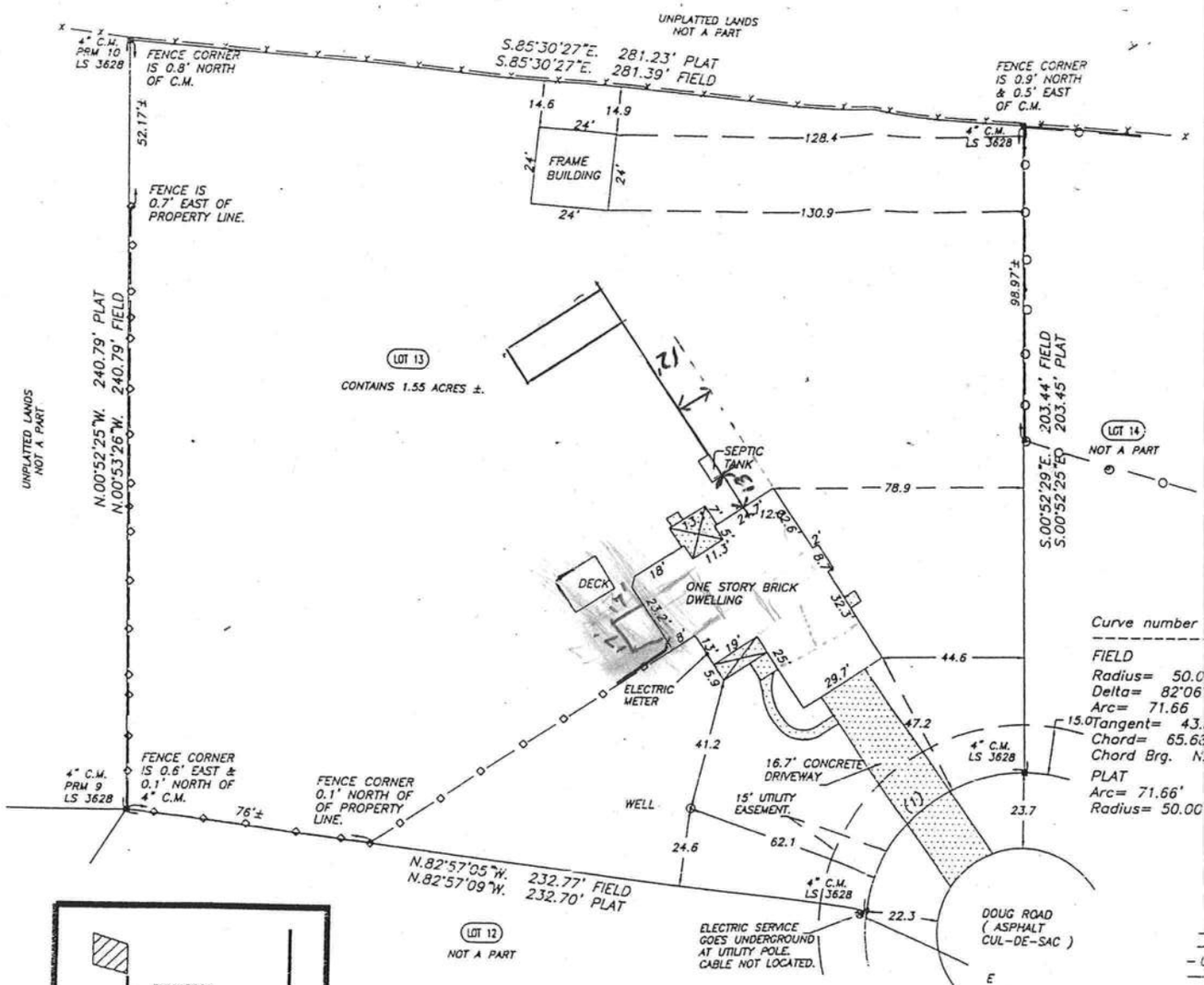
NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

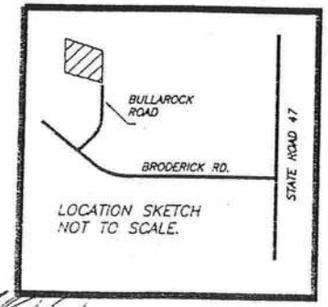
"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

BOUNDARY SURVEY
IN SECTION 18,
TOWNSHIP 4 SOUTH,
RANGE 17 EAST.
COLUMBIA COUNTY, FL.





SIGNED: _____
MARK D. DUREN, LS 4708

DESCRIPTION:
LOT 13 OF "SADDLE OF THE SOUTH ESTATES" AS PER PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 64 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

SURVEYOR'S NOTES:
1. BOUNDARY BASED ON MONUMENTATION FOUND IN ACCORDANCE WITH THE RETRACEMENT OF PLAT OF RECORDS.
2. BEARINGS BASED ON PLAT OF RECORD USING MONUMENTS FOUND FOR THE NORTH LINE OF SAID LOT 13.
3. THIS PARCEL IS IN ZONE "X" AND IS DETERMINED TO BE OUTSIDE THE 500 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE RATE MAP, DATED JANUARY 6, 1988, COMMUNITY PANEL NO. 120070 0175 B.
4. NO EASEMENT FOR DRAINAGE IS SHOWN ON THIS LOT IN SAID PLAT OF RECORD.
5. THE IMPROVEMENTS, IF ANY, INDICATED ON THIS SURVEY DRAWING ARE AS LOCATED ON DATE OF FIELD SURVEY AS SHOWN HEREON.
6. IF THEY EXIST, NO UNDERGROUND ENCROACHMENTS AND/OR UTILITIES WERE LOCATED FOR THIS SURVEY EXCEPT AS SHOWN HEREON.
7. "NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER."
8. CLOSURE OF FIELD SURVEY IS 1/30,171
9. CERTIFIED TO:
   TIMOTHY & CONSTANCE JONES
   TRINITY MORTGAGE COMPANY OF DALLAS
   TITLE OFFICES, LLC.
   ALLIANCE TITLE OF AMERICA, INC.
   OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY

Curve number 1

FIELD
Radius= 50.00
Delta= 82°06'45"
Arc= 71.66
Tangent= 43.55
Chord= 65.63
Chord Brg. N.48°05'28"E.

PLAT
Arc= 71.66'
Radius= 50.00'

SYMBOL LEGEND

■	CONCRETE MONUMENT FOUND
□	CONCRETE MONUMENT SET, LS 4708
●	IRON PIN OR PIPE FOUND
○	5/8" IRON ROD SET, LS 4708
—x—	WIRE FENCE
—E—	ELECTRIC UTILITY LINE (OVERHEAD)
– UGE –	UNDERGROUND ELECTRIC SERVICE
— CTV –	CABLE TV LINE (OVERHEAD)
—o—	CHAIN LINK FENCE
—o—	WOODEN FENCE
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
LS	LAND SURVEYOR
LB	LICENSED BUSINESS
ORB	OFFICIAL RECORD BOOK
PRM	PERMANENT REFERENCE MONUMENT
PCP	PERMANENT CONTROL POINT
⊗	UTILITY POLE
R/W	RIGHT-OF-WAY
NO ID.	NO IDENTIFICATION
FLA. D.O.T.	FLA. DEPT. OF TRANSPORTATION
℄	CENTERLINE
C.M.	CONCRETE MONUMENT
I.R.	IRON ROD
I.P.	IRON PIPE

0 10 20 40 80
GRAPHIC SCALE

MARK D. DUREN, P.S.M.
LS 4708
RT. 18 BOX 555
SISTERS WELCOME ROAD
LAKE CITY, FLA. 32025
(386) 758-9831 OFFICE
(386) 758-8010 FAX

FIELD SURVEY DATE 4/20/01
DATE DRAWN 4/23/01
FOR TIMOTHY & CONSTANCE JONES

FIELD BOOK 93 PAGE 25
DRAWN BY BRANDON STUBBS / M. DUREN

WO# 01-237

Columbia County Building Permit Application

For Office Use Only Application # 0904-12 Date Received 4/9 By JW Permit # 27765

Zoning Official BLK Date 22.04.09 Flood Zone X Land Use RU2D Zoning RSF-1

FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner ND Date 4-21-09

Comments

NOC ~~EH~~ ~~Deed or PA~~ ~~Site Plan~~ □ State Road Info □ Parent Parcel #

□ Dev Permit # □ In Floodway ~~Letter of Auth. from Contractor~~ □ F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL exempt addition to existing Dwelling

Septic Permit No. 09-0202-M Fax

Name Authorized Person Signing Permit Connie L Stuart Phone 386-755-1190

Address 210 SW Bullard Ct Lake City, Fl 32025

Owners Name Connie L Stuart & Carol Attenbaugh Phone 755-1190

911 Address 210 SW Bullard Ct, Lake City, Fl 32025

Contractors Name J & R's Construction Maintenance Inc Phone 904-266-2697

Address PO Box 221, Bryceville, Fl 32009

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Gary Gill - PO Box 187 - 130 W. Howard ST, Live Oak Fl. 32064

Mortgage Lenders Name & Address N/A Countrywide

Circle the correct power company – FL Power & Light – (Clay Elec.) – Suwannee Valley Elec. – Progress Energy

Property ID Number 18-4S-17-08466-113 HX Estimated Cost of Construction 25,000.

Subdivision Name Saddle of the Swell Estates Lot 13 Block Unit Phase

Driving Directions From Lake City Town - Drive South on 41 - Take Fork to 47 > Drive Approx 1.5 miles to Brodrick Rd - Take Right to Bullard Ct - Turn RT 3rd House on Left

Number of Existing Dwellings on Property 1

Construction of 17'X17' Room Addition Total Acreage 1+- Lot Size

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 15'

Actual Distance of Structure from Property Lines - Front 47' Side R-78.4(B) 44.6(E) Side L. 65.6 Rear 130'

Number of Stories 1 Heated Floor Area 289 Total Floor Area 289 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

CK# 637.

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full.
This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: ***YOU ARE HEREBY NOTIFIED*** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

Contractor's Signature (Permitee)

Contractor's License Number_____
Columbia County
Competency Card Number_____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this ____ day of _____ 20___.

Personally known_____ **or Produced Identification**_____

SEAL:

State of Florida Notary Signature (For the Contractor)

Columbia County Property Appraiser

DB Last Updated: 3/5/2009

2009 Preliminary Values

Tax Record | Property Card | Interactive GIS Map | Print

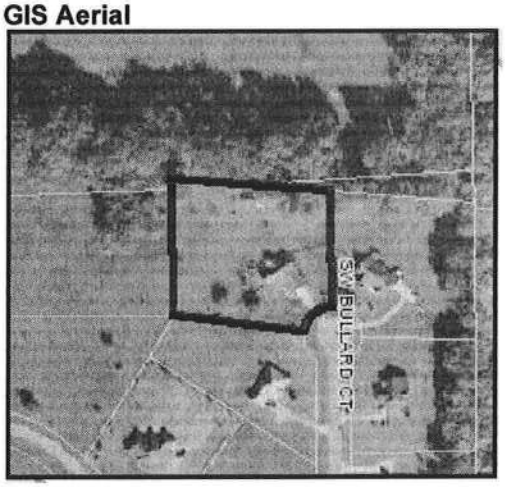
Parcel: 18-4S-17-08466-113 HX

Search Result: 1 of 1

Owner & Property Info

Owner's Name	STUART CONNIE L &		
Site Address	BULLARD		
Mailing Address	CAROL ALTENBAUGH (JTWRS) 210 SW BULLARD COURT LAKE CITY, FL 32025		
Use Desc. (code)	SINGLE FAM (000100)		
Neighborhood	18417.01	**Tax District**	2
UD Codes	MKTA06	**Market Area**	06
Total Land Area	0.000 ACRES		
Description	LOT 13 SADDLE OF THE SOUTH ESTATES S/D. ORB 751-2137, 775-196, 967-29.		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	$31,050.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (1)	$154,325.00
XFOB Value	cnt: (3)	$7,553.00
Total Appraised Value		$192,928.00

Just Value		$192,928.00
Class Value		$0.00
Assessed Value		$151,443.00
Exempt Value	(code: HX)	$50,000.00
Total Taxable Value		$101,443.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
10/31/2002	967/29	WD	I	Q		$140,000.00
5/21/1993	775/196	WD	V	Q		$14,500.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	SINGLE FAM (000100)	1994	Common BRK (19)	2082	3302	$154,325.00
	Note: All S.F. calculations are based on exterior building dimensions.					

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0180	FPLC 1STRY	1994	$2,300.00	1.000	0 x 0 x 0	(.00)
0166	CONC,PAVMT	1994	$2,085.00	1390.000	0 x 0 x 0	(.00)
0210	GARAGE U	1994	$3,168.00	576.000	24 x 24 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.15/1.00	$31,050.00	$31,050.00

 27765

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 18-4S-17-08466-113-HX

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes the following information is provided in this **NOTICE OF COMMENCEMENT.**

1. Description of property *(legal description)*: 18-4S-17-08466-113-HX Lot 13 Saddle of The
   a) Street *(job)* Address: 210 SW Bullard Ct., Lake City, FL 32025 Estates S/D
2. General description of improvements: _____
3. Owner Information
   a) Name and address: Connie L Stuart & Carol Alterbaust
   b) Name and address of fee simple titleholder (if other than owner) _____
   c) Interest in property 100%
4. Contractor Information
   a) Name and address: Homeowner
   b) Telephone No.: _____ Fax No. (Opt.)
5. Surety Information
   a) Name and address
   b) Amount of Bond: N/A
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: NA
   b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served
   a) Name and address: _____
   b) Telephone No.: _____

Inst: 200912005839 Date: 4/9/2009 Time: 1:49 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1170 P:2485

8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes:
   a) Name and address: N/A
   b) Telephone No _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement **(the expiration date is one year from the date of recording unless a different date is specified)**: _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10. _____
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Connie L Stuart
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 9th day of April, 20 09, by:

_____ as _____ **(type of authority, e.g. officer, trustee, attorney fact)** for _____ **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification _____ Type _____

CONNIE F. SCOTT
MY COMMISSION # DD 559203
EXPIRES: June 1, 2010
Bonded Thru Notary Public Underwriters

Notary Signature Connie F. Scott Notary Stamp or Seal

—AND—

11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief

_____
Signature of Natural Person Signing (in line #10 above.)

STATE OF FLORIDA
DEPARTMENT OF HEALTH

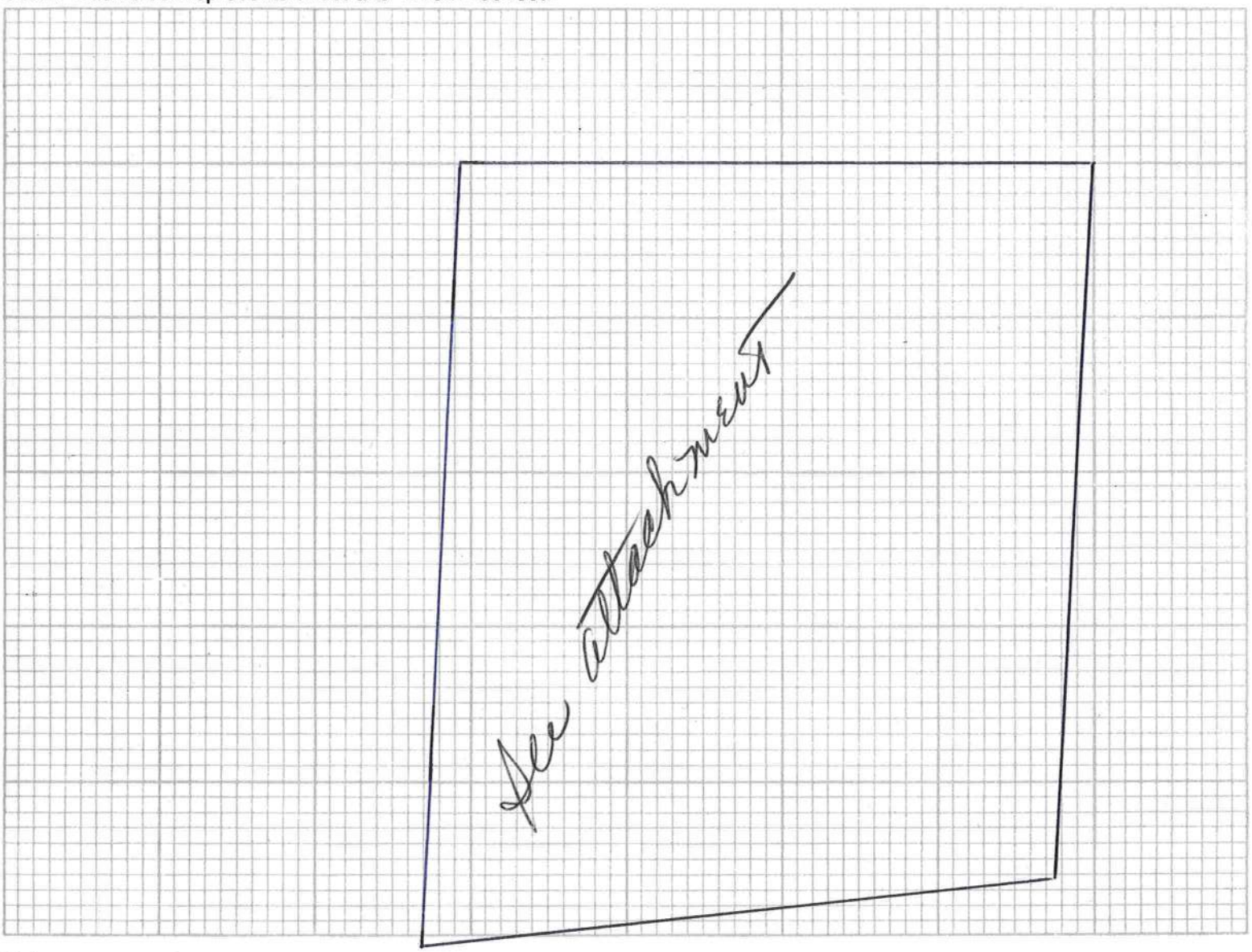
JDE OKAYED 4.9.09

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number _____

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.



Notes: _____

_____

_____

_____

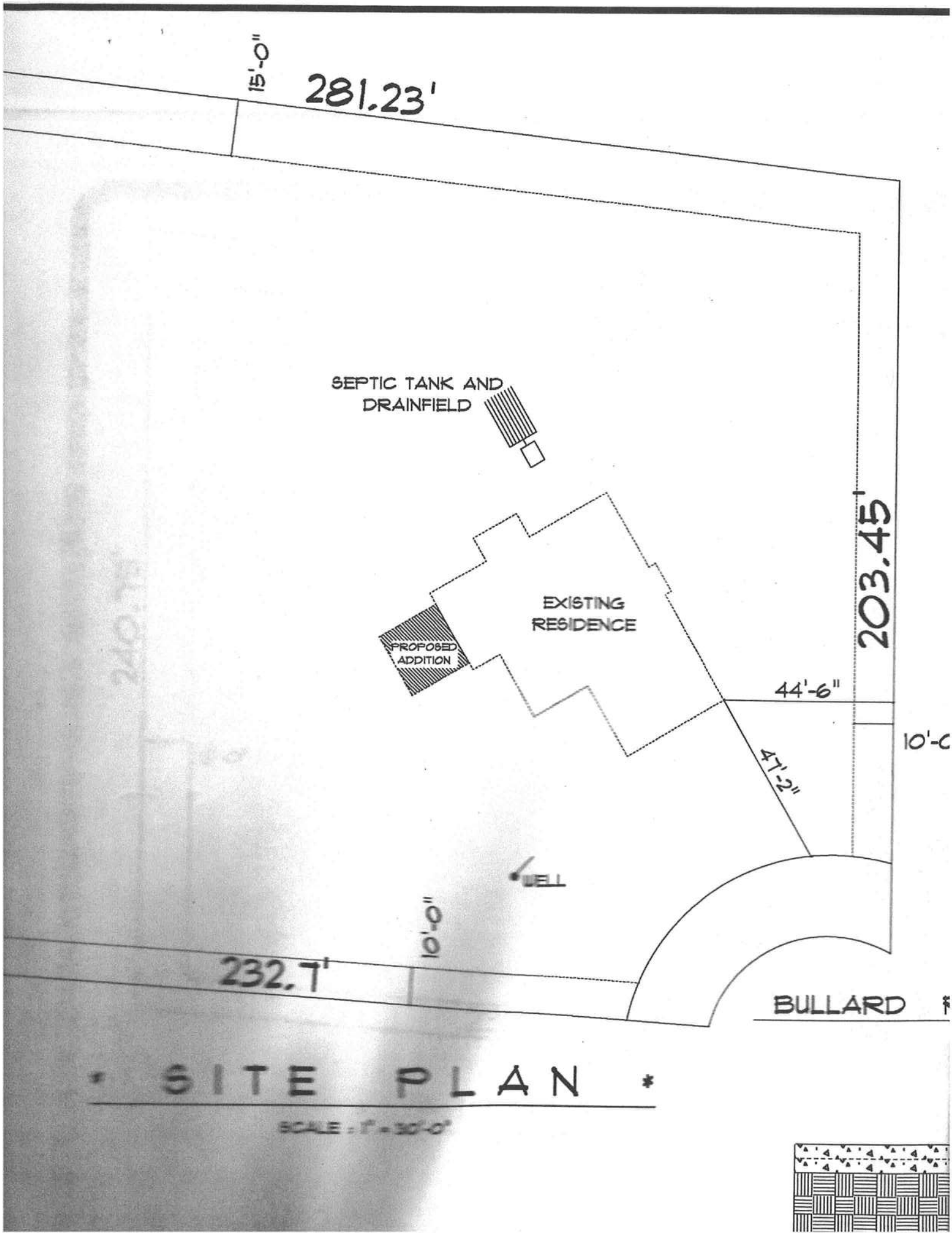
Site Plan submitted by: _____ _____
Signature Title

Plan Approved _____ Not Approved _____ Date _____

By _____ County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used)
(Stock Number: 5744-002-4015-6)



* SITE PLAN *

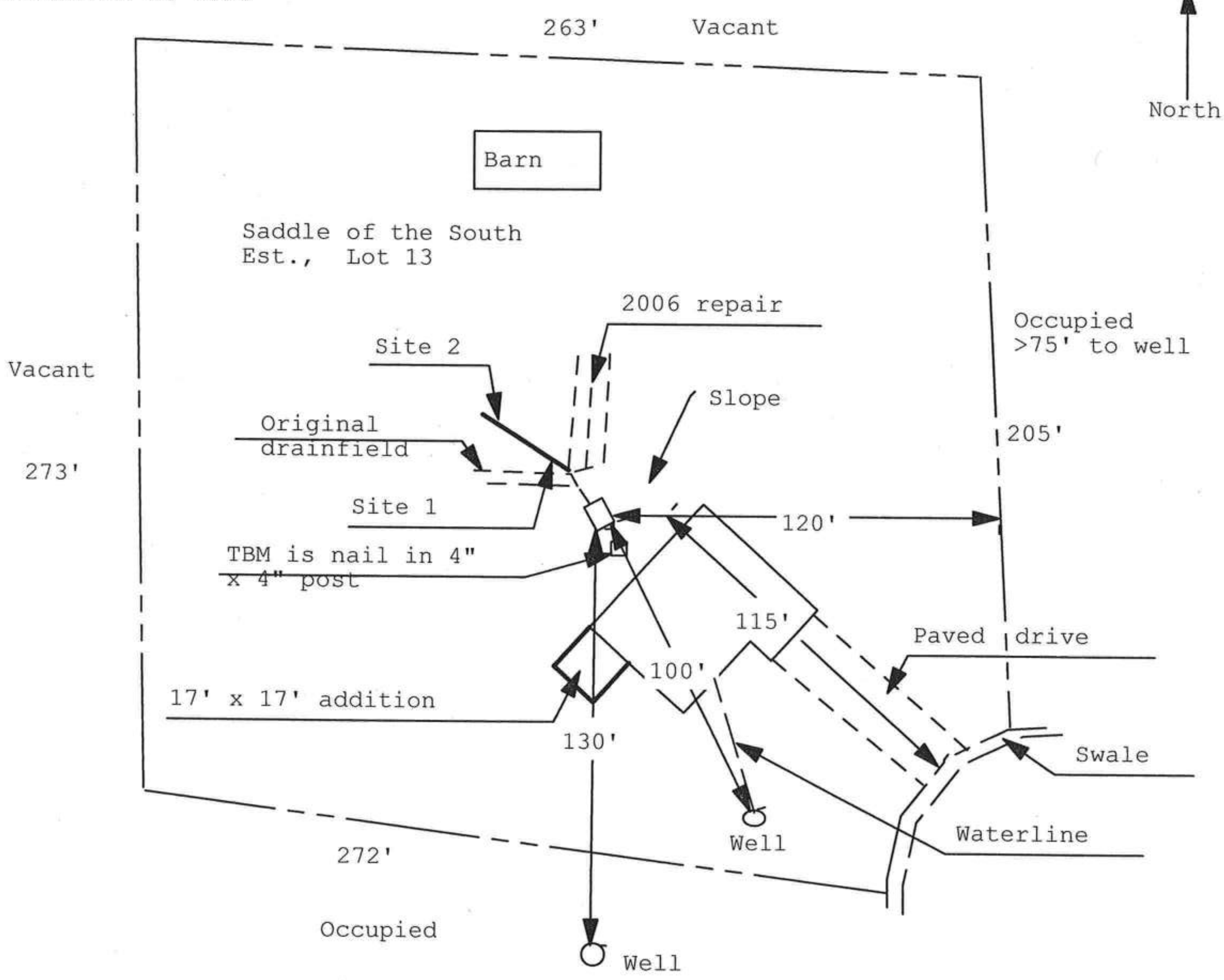
SCALE : 1" = 30'-0"

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 09-0202-M

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

STUART/CR 08-4604



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 4/1/09
Plan Approved ✓ **Not Approved**____ **Date** 4-8-09

By [illegible] ____ Columbia **CPHU**

Notes:

04-0202-M

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
ONSITE SEWAGE DISPOSAL SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT
Authority: Chapter 381, FS & Chapter 10D-6, FAC

PERMIT # AP 917532
DATE PAID 4/1/09
FEE PAID $ 205.00
RECEIPT # 12-PID-
CR # 08-4604

APPLICATION FOR:
[ ] New System [ ] Existing System [ ] Holding Tank [ ] Temporary/Experimental System
[ ] Repair [ ] Abandonment [X] Other (Specify) MODIFICATION

LC

APPLICANT: CONNIE L STUART TELEPHONE: 386-590-2951

AGENT: PAUL LLOYD

MAILING ADDRESS: 210 SW BULLARD COURT CITY: LAKE CITY STATE: FL ZIP: 32024

==========

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCALE SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

==========

PROPERTY INFORMATION [IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEED]

LOT: 13 BLOCK: P\A SUBDIVISION: SADDLE OF THE SOUTH EST. DATESUBD:

PROPERTY ID #: 18-4S-7-08466-113 [Section/Township/Range/Parcel] ZONING: SFR

PROPERTY SIZE: 1.0 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [X] PRIVATE [ ] PUBLIC

PROPERTY STREET ADDRESS: 210 SW BULLARD COURT

DIRECTIONS TO PROPERTY: STATE ROAD 47 SOUTH, TR ON BRODRICK DRIVE, TR ON BULLARD COURT, TO END ON LEFT

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	HOUSE	3	2082	4	Built 1994
2	ADDITION	0	284	1	
3	SEWING Room (17' x 17')				
4					

[N] Garbage Grinders/Disposals [N] Spas/Hot Tubs [N] Floor/Equipment Drains
[N] Ultra-low Volume Flush Toilets [N] Other (Specify)

APPLICANT'S SIGNATURE: Paul Lloyd DATE: 4/1/09

RECEIVED 4/1/09 ENTERED LC LSR

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

NOTARIZED DISCLOSURE STATEMENT
FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.
I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allows for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

TYPE OF CONSTRUCTION

( ) Single Family Dwelling ( ) Two-Family Residence ( ) Farm Outbuilding
( ) Other_____ (4 Addition, Alteration, Modification or other Improvement

I CONNIE STUART, have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number _____

Connie Stuart 04/09/09
Owner Builder Signature Date

FLORIDA NOTARY
The above signer is personally known to me or produced identification S363-112-33-592-0
Notary Signature Laurie Hodson Date 4-9-09

LAURIE HODSON
MY COMMISSION # DD 805657
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

FOR BUILDING DEPARTMENT USE ONLY
I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7). Date 4.9.09 Building Official/Representative

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	PF09- 026	Builder Name:	
Street:		Permit Office:	
City, State, Zip:	LAKE CITY , FL ,	Permit Number:	
Owner:	CONNIE STUART	Jurisdiction:	
Design Location:	FL, Gainesville		

1. New construction or existing		New (From Plans)	9. Wall Types		Insulation	Area
2. Single family or multiple family		Single-family	a. Frame - Wood, Exterior		R=19.0	718.88 ft²
3. Number of units, if multiple family		1	b. N/A		R=	ft²
4. Number of Bedrooms		1	c. N/A		R=	ft²
5. Is this a worst case?		Yes	d. N/A		R=	ft²
6. Conditioned floor area (ft²)		289	10. Ceiling Types		Insulation	Area
7. Windows	Description	Area	a. Under Attic (Vented)		R=30.0	289.00 ft²
a. U-Factor:	Sgl, U=1.00	27.50 ft²	b. N/A		R=	ft²
SHGC:	SHGC=0.64		c. N/A		R=	ft²
b. U-Factor:	N/A	ft²	11. Ducts			
SHGC:			a. Sup: Interior Ret: Interior AH: Interior Sup. R= 6, 58 ft²			
c. U-Factor:	N/A	ft²	12. Cooling systems			
SHGC:			a. PTAC and Room Unit		Cap: 12 kBtu/hr	
d. U-Factor:	N/A	ft²			EER: 13	
SHGC:			13. Heating systems			
e. U-Factor:	N/A	ft²	a. Electric Heat Pump		Cap: 4.8 kBtu/hr	
SHGC:					HSPF: 7.7	
8. Floor Types		Insulation Area	14. Hot water systems			
a. Slab-On-Grade Edge Insulation		R=10.0 289.00 ft²	a. Electric		Cap: 40 gallons	
b. N/A		R= ft²			EF: 0.92	
c. N/A		R= ft²	b. Conservation features			
			None			
			15. Credits			CF

Glass/Floor Area: 0.095

Total As-Built Modified Loads: 11.06

Total Baseline Loads: 15.15

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: GARY J. GILL

DATE: 04/20/2009

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires an envelope leakage test report, by a Florida Class 1 Rater, in accordance with N1113.A.1.

PROJECT

Title:	PF09- 026	Bedrooms:	1	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	CONNIE STUART	Conditioned Area:	289	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	Yes	Street:	
Permit Office:		Rotate Angle:	315	County:	COLUMBIA
Jurisdiction:		Cross Ventilation:		City, State, Zip:	LAKE CITY , FL ,
Family Type:	Single-family	Whole House Fan:			
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

√	Design Location	Tmy Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	68 ft	10	289 ft²	0	0	1

ROOF

√	#	Roof Type	Materials	Attic Type	Attic Area	Roof Color	Solar Absor.	Tested	RBS	Deck Insul.	Attic Vent Ratio (1 in)	Pitch
____	1	Gable or shed	Composition shingles	Full attic	289 ft²	Dark	0.96	No	N	0	300	26.6 deg

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic	30	289 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	N	Exterior	Frame - Wood	19	180.54 ft²	0	0.23	0.75
____	2	S	Exterior	Frame - Wood	19	185 ft²	0	0.23	0.75
____	3	E	Exterior	Frame - Wood	19	172.17 ft²	0	0.23	0.75
____	4	W	Exterior	Frame - Wood	19	181.17 ft²	0	0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
____	1	N	Wood	None	0.46	20 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
____	1	N	Metal	Single (Clear)	Yes	1	0.64	N	7.5 ft²	0 ft 30 in	0 ft 12 in	HERS 2006	None
____	2	S	Metal	Single (Clear)	Yes	1	0.64	N	12 ft²	0 ft 48 in	0 ft 24 in	HERS 2006	None
____	3	W	Metal	Single (Clear)	Yes	1	0.64	N	8 ft²	0 ft 72 in	0 ft 12 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ---- Supply CFM	Exhaust CFM	Run Time Fraction	Fan Watts
____	Proposed ACH	0.00036	273	6.30	15.0	28.2	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
____	1	PTAC and Room Unit	Through the Wall	EER: 13	12 kBtu/hr	360 cfm	0.75	True

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
____	1	Electric	0.92	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model#	Collector Model#	Collector Area(sq.ft.)	Storage Volume	FEF
____	None	None					

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
____	1	Interior	6	58 ft²	Interior	14 ft²	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: N

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS:	PERMIT #:
LAKE CITY, FL,	

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 73

The lower the EnergyPerformance Index, the more efficient the home.

, LAKE CITY, FL,

1. New construction or existing		New (From Plans)
2. Single family or multiple family		Single-family
3. Number of units, if multiple family		1
4. Number of Bedrooms		1
5. Is this a worst case?		Yes
6. Conditioned floor area (ft²)		289
7. Windows**	Description	Area
a. U-Factor: SHGC:	Sgl, U=1.00 SHGC=0.64	27.50 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=10.0	289.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=19.0	718.88 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	289.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Interior Ret: Interior AH: Interior Sup. R= 6, 58 ft²

12. Cooling systems
a. PTAC and Room Unit — Cap: 12 kBtu/hr EER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 4.8 kBtu/hr HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.92

b. Conservation features
None

15. Credits — CF

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

**Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

FORM 600A-2004R EnergyGauge® 4.5.2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**PF09-026**	Builder:	
Address:		Permitting Office:	Columbia
City, State:	,	Permit Number:	
Owner:	**CONNIE STUART**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		Addition	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		289 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description	Area	
(or Single or Double DEFAULT)	7a (Sngle Default)	27.5 ft²	
b. SHGC:			
(or Clear or Tint DEFAULT)	7b. (Clear)	27.5 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=13.0, 68.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 612.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 289.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			
12. Cooling systems			
a. N/A			
b. N/A			
c. N/A			
13. Heating systems			
a. N/A			
b. N/A			
c. N/A			
14. Hot water systems			
a. N/A			
b. N/A			
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)			
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)			

Glass/Floor Area: 0.10

Total as-built points: 2568

Total base points: 3537

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

PREPARED BY: _____

DATE: _____

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points
.18	289.0	18.59	967.0	1.Single, Clear	N	2.5	4.0	7.5	21.73	0.79	128.0
				2.Single, Clear	S	4.0	5.0	12.0	40.81	0.55	270.0
				3.Single, Clear	W	6.0	2.3	8.0	43.84	0.38	134.0
				As-Built Total:				**27.5**			**532.0**
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			19.0	612.0	0.90		550.8
Exterior	612.0	1.70	1040.4								
Base Total:	**612.0**		**1040.4**	**As-Built Total:**				**612.0**			**550.8**
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points
Adjacent	0.0	0.00	0.0	1.Exterior Wood				20.0	6.10		122.0
Exterior	20.0	6.10	122.0								
Base Total:	**20.0**		**122.0**	**As-Built Total:**				**20.0**			**122.0**
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points
Under Attic	289.0	1.73	500.0	1. Under Attic			30.0	289.0	1.73 X 1.00		500.0
Base Total:	**289.0**		**500.0**	**As-Built Total:**				**289.0**			**500.0**
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points
Slab	68.0(p)	-37.0	-2516.0	1. Slab-On-Grade Edge Insulation			13.0	68.0(p)	-35.70		-2427.6
Raised	0.0	0.00	0.0								
Base Total:			**-2516.0**	**As-Built Total:**				**68.0**			**-2427.6**
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points
	289.0	10.21	2950.7					289.0	10.21		2950.7
Summer Base Points: 3064.1				**Summer As-Built Points:**							**2227.9**
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Cooling Points		
3064.1	**0.3250**	**995.8**		**2227.9**	**1.00**	**1.000**	**0.310**	**1.000**	**691.6**		

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	289.0	20.17	1049.0	1.Single, Clear	N	2.5	4.0	7.5	33.22	1.01	252.0	
				2.Single, Clear	S	4.0	5.0	12.0	20.24	2.38	577.0	
				3.Single, Clear	W	6.0	2.3	8.0	28.84	1.23	284.0	
				As-Built Total:				**27.5**			**1113.0**	
WALL TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points		
Adjacent	0.0	0.00	0.0	1. Frame, Wood, Exterior			19.0	612.0	2.20	1346.4		
Exterior	612.0	3.70	2264.4									
Base Total:	**612.0**		**2264.4**	**As-Built Total:**				**612.0**		**1346.4**		
DOOR TYPES	Area X	BWPM =	Points	Type				Area X	WPM =	Points		
Adjacent	0.0	0.00	0.0	1.Exterior Wood				20.0	12.30	246.0		
Exterior	20.0	12.30	246.0									
Base Total:	**20.0**		**246.0**	**As-Built Total:**				**20.0**		**246.0**		
CEILING TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM X WCM =	Points		
Under Attic	289.0	2.05	592.5	1. Under Attic			30.0	289.0	2.05 X 1.00	592.5		
Base Total:	**289.0**		**592.5**	**As-Built Total:**				**289.0**		**592.5**		
FLOOR TYPES	Area X	BWPM =	Points	Type			R-Value	Area X	WPM =	Points		
Slab	68.0(p)	8.9	605.2	1. Slab-On-Grade Edge Insulation			13.0	68.0(p)	7.00	476.0		
Raised	0.0	0.00	0.0									
Base Total:			**605.2**	**As-Built Total:**				**68.0**		**476.0**		
INFILTRATION	Area X	BWPM =	Points					Area X	WPM =	Points		
	289.0	-0.59	-170.5					289.0	-0.59	-170.5		
Winter Base Points:			**4586.6**	**Winter As-Built Points:**								**3603.4**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points			
4586.6	**0.5540**	**2541.0**		**3603.4**	**1.00**	**1.000**	**0.521**	**1.000**	**1876.2**			

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

BASE			AS-BUILT					
WATER HEATING								
Number of Bedrooms	X Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total
1	2635.00	0.0			1	1.00	2635.00	1.00	2635.0
			As-Built Total:						**0.0**

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
996	**2541**	**0**	**3537**	**692**	**1876**	**0**	**2568**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , , PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 91.8

The higher the score, the more efficient the home.

CONNIE STUART, , , ,

1. New construction or existing		Addition	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		1	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		289 ft²	
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor:	Description	Area	
(or Single or Double DEFAULT)	7a (Sngle Default)	27.5 ft²	
b. SHGC:			
(or Clear or Tint DEFAULT)	7b. (Clear)	27.5 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=13.0, 68.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior		R=19.0, 612.0 ft²	
b. N/A			
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 289.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. N/A			
b. N/A			

12. Cooling systems	
a. N/A	
b. N/A	
c. N/A	
13. Heating systems	
a. N/A	
b. N/A	
c. N/A	
14. Hot water systems	
a. N/A	
b. N/A	
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)	
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	

I certify that this home has complied with the Florida Energy Efficiency Code For Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____

**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

BUILDING INPUT SUMMARY REPORT

PROJECT

Title:	PF09-026	**Family Type:**	Single	**Address Type:**	Street Address
Owner:	CONNIE STUART	**New/Existing:**	Addition	**Lot #:**	N/A
# of Units:	1	**Bedrooms:**	1	**Subdivision:**	N/A
Builder Name:	(blank)	**Conditioned Area:**	289	**Platbook:**	N/A
Climate:	North	**Total Stories:**	1	**Street:**	(blank)
Permit Office:	(blank)	**Worst Case:**	No	**County:**	(blank)
Jurisdiction #:	(blank)	**Rotate Angle:**	(blank)	**City, St, Zip:**	, ,

FLOORS

#	Floor Type	R-Val	Area/Perimeter	Units
1	Slab-On-Grade Edge Insulation	13.0	68.0(p) ft	1

DOORS

#	Door Type	Orientation	Area	Units
1	Wood	Exterior	20.0 ft²	1

CEILINGS

#	Ceiling Type	R-Val	Area	Base Area	Units
1	Under Attic	30.0	289.0 ft²	289.0 ft²	1

Credit Multipliers: None

COOLING

#	System Type	Efficiency	Capacity

Credit Multipliers: None

WALLS

#	Wall Type	Location	R-Val	Area	Units
1	Frame - Wood	Exterior	19.0	612.0 ft²	1

HEATING

#	System Type	Efficiency	Capacity

Credit Multipliers: None

WINDOWS

#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
1	Single	Clear	N	7.5 ft²	2.5 ft	4.0 ft	1
2	Single	Clear	S	12.0 ft²	4.0 ft	5.0 ft	1
3	Single	Clear	W	8.0 ft²	6.0 ft	2.3 ft	1

DUCTS

#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length

Credit Multipliers: None

WATER

#	System Type	EF	Cap.	Conservation Type	Con. EF

REFR.

#	Use Default?	Annual Operating Cost	Electric Rate
1	Yes	N/A	N/A

MISC

Rater Name:	CodeOnlyPro	**Class #:**	3	**Pool Size:**	0
Rater Certification #:	CodeOnlyPro	**Duct Leakage Type:**	N/A	**Pump Size:**	0.00 hp
Area Under Fluorescent:	0.0	**Visible Duct Disconnects:**	N/A	**Dryer Type:**	Electric
Area Under Incandescent:	289.0	**Leak Free Duct System Proposed:**	No	**Stove Type:**	Electric
NOTE: Not all Rating info shown		**HRV/ERV System Present?:**	No	**Avg Ceil Hgt:**	

Summary Energy Code Results

Residential Whole Building Performance Method A

CONNIE STUART

Project Title:
PF09-026

Code Only
Professional Version
Climate: North

3/12/2009

Building Loads			
Base		As-Built	
Summer:	**3064 points**	Summer:	**2228 points**
Winter:	**4587 points**	Winter:	**3603 points**
Hot Water:	**0 points**	Hot Water:	**0 points**
Total:	**7651 points**	Total:	**5831 points**

Energy Use			
Base		As-Built	
Cooling:	**996 points**	Cooling:	**692 points**
Heating:	**2541 points**	Heating:	**1876 points**
Hot Water:	**0 points**	Hot Water:	**0 points**
Total:	**3537 points**	Total:	**2568 points**

PASS
e-Ratio: 0.73

Builders FirstSource

HLAKMF

JULIUS LEE LICENSE NO. 34869 STATE OF FLORIDA PROFESSIONAL ENGINEER

Project Information:

Builder: Cash Account
Model: custom
Builders FirstSource Job #: 301354
Street: 210 Bullard Ct
City: Lake City
County: Columbia
Building Code: FBC2007/TPI2002
Computer Program Used: MiTek 7.1.1

Builders FirstSource
2525 E. Duval St.
Lake City, FL 32055

1109 COASTAL BAY
BOYNTON BCH,FL.33435
ELLECTRONICALLY SEAL
IN ACCORDANCE TO
SS.668.001-668.006

Truss Design Information:

Gravity Loads
Roof: 32 psf Total
Floor: 55 psf Total

Wind
Wind Standard: ASCE 7-05
Wind Speed: 110 mph
Mean Roof Ht: 18 ft
Exposure: C

Note: Refer to individual truss design drawings for special loading conditions, design criteria, truss geometry, lumber, and plate information.

Design Professional Information:

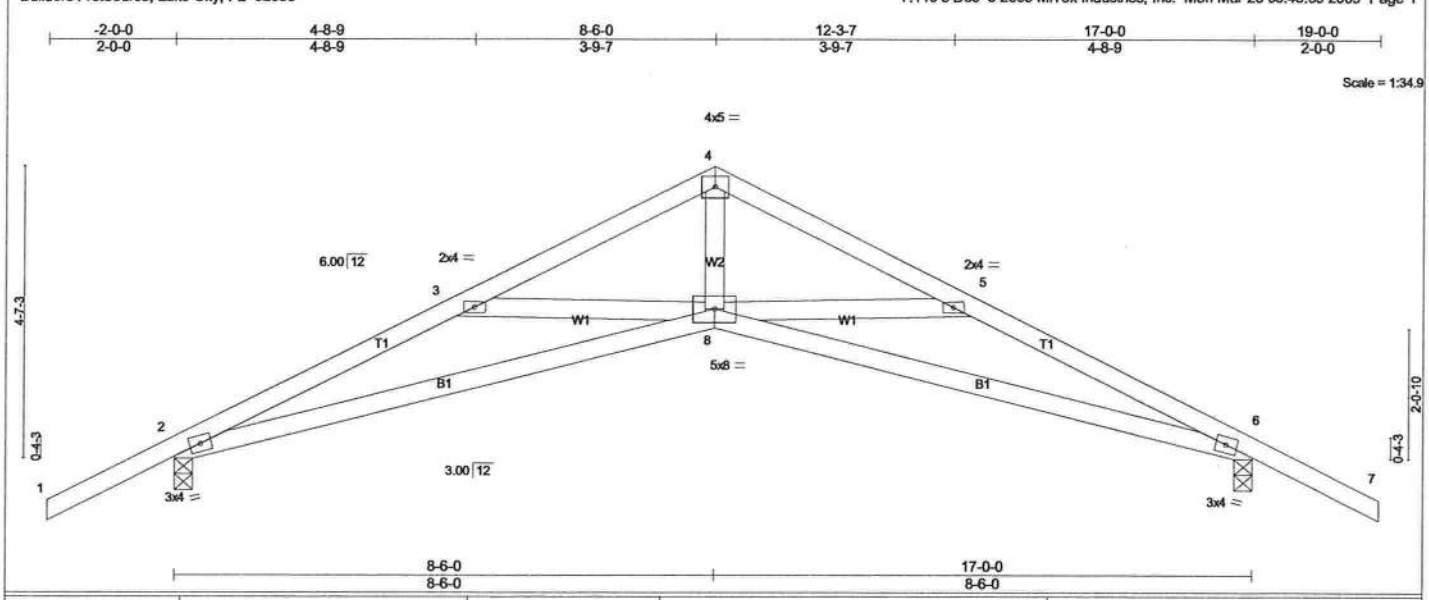
Design Professional Of Record: Owner Builder
License # :
Delegated Truss Engineer: Julius Lee
License # : 34869

This truss specification package consists of this index sheet and 1 truss design drawings.
This signed and sealed index sheet indicates acceptance of my professional engineering responsibility solely for listed truss design drawings. The suitability and use of each truss component for any particular building is the responsibility of the building designer per TPI.

Truss #	Truss Label	Drawing #	Seal Date	Truss #	Truss Label	Drawing #	Seal Date	Truss #	Truss Label	Drawing #	Seal Date
1	T01	301354001	3/23/2009								

Job	Truss	Truss Type	Qty	Ply	CASH ACCT - CONNIE STUART
301354	T01	SCISSOR	9	1	Job Reference (optional)

Builders FrstSource, Lake City, FL 32055 — 7.110 s Dec 8 2008 MiTek Industries, Inc. Mon Mar 23 08:48:39 2009 Page 1



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.40	Vert(LL)	-0.16	2-8	>999	360	MT20	244/190
TCDL	7.0	Lumber Increase	1.25	BC	0.36	Vert(TL)	-0.31	2-8	>647	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.24	Horz(TL)	0.12	6	n/a	n/a		
BCDL	5.0	Code FBC2007/TPI2002		(Matrix)		Wind(LL)	0.10	8	>999	240	Weight: 76 lb	

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Structural wood sheathing directly applied or 5-0-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 7-7-13 oc bracing.

REACTIONS (lb/size) 2=651/0-1-8 (input: 0-3-8), 6=651/0-1-8 (input: 0-3-8)
Max Horz 2=107(LC 6)
Max Uplift2=-304(LC 6), 6=-304(LC 7)

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 2-3=-1519/949, 3-4=-1143/602, 4-5=-1143/602, 5-6=-1519/949
BOT CHORD 2-8=-666/1336, 6-8=-666/1336
WEBS 4-8=-296/753, 5-8=-345/417, 3-8=-345/417

NOTES (8-9)
1) Unbalanced roof live loads have been considered for this design.
2) Wind: ASCE 7-05; 110mph (3-second gust); TCDL=4.2psf; BCDL=3.0psf; h=18ft; Cat. II; Exp C; enclosed; MWFRS (low-rise) and C-C Exterior(2) zone;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
4) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
5) Bearing at joint(s) 2, 6 considers parallel to grain value using ANSI/TPI 1 angle to grain formula. Building designer should verify capacity of bearing surface.
6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 304 lb uplift at joint 2 and 304 lb uplift at joint 6.
7) "Semi-rigid pitchbreaks including heels" Member end fixity model was used in the analysis and design of this truss.
8) This manufactured product is designed as an individual building component. The suitability and use of this component for any particular building is the responsibility of the building designer per ANSI TPI 1 as referenced by the building code.
9) Truss Design Engineer: Julius Lee, PE: Florida P.E. License No. 34869: Address: 1109 Coastal Bay Blvd. Boynton Beach, FL 33435

LOAD CASE(S) Standard

FAX TO
935-6829
4-13
8:47

From: The Columbia County Building & Zoning Department
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: 0904-12

Applicant: Connie L. Stuart: Property Identification number: 18-4s-17-08466-113

On the date of April 13, 2009 application 0904-12 and plans were reviewed for compliance of the 2007 Florida building code existing building. The documents and plans submitted are for construction of an addition onto an existing group R-3 (single family dwelling) structure.

Please review the following information so this building permit application may proceed toward issuance.

The submitted Florida Energy Efficiency Code for Building Construction (form 600A-2001) is no longer an acceptable evaluation method, due to the adoption of the Florida Building Code Residential 2007 which became effective March 1, 2009. Please consult with EnergyGauge® to obtain the correct form to be utilized with the Florida Energy Efficiency Code for Building Construction.

If you should have any question please contact the above address, or call phone number (386) 758-1163.

Please include application number 0904-12 when making reference to this application.

<u>This is a plan review for compliance with the Florida Building Code 2007only and doesn't make any consideration toward the land use and zoning requirements.</u>

Thank You:

Joe Haltiwanger
Columbia County Building
Department

COLUMBIA COUNTY BUILDING DEPARTMENT
135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

4.7.09

CHECKLIST FOR PERMITTING

Revised 1-10-08

✓ **Completed Building Permit Application with owner's signature & notarized contractor's signature**
Notes:

✓ **If an Owner Builder, Notarized Disclosure Statement**
Notes:

✓ **Recorded Deed or a Notarized Affidavit (form from the Building Dept.)**
Notes:

✓ **Approved and Signed Site Plan from Environmental Health on the septic 386-758-1058**
Notes:

✓ **Site plan with actual distances of the structure to each property line**
Notes:

✓ **911 Address form, Contact 386.752.8787 for an appointment & fill out their application**
Notes: ON APPLICATION

✓ **Residential or Commercial Checklist completed (from the Building Dept.)**
Notes:

✓ **Driving directions including all road names** > FROM L.C. TOWN- DRIVE SOUTH
Notes ON 41 > TAKE 47 FORK > DRIVE TO BROADRICK Rd (APPROX 1.5M)
TURN RIGHT ~ DRIVE TO BUTLER CT #210

✓ **Well information (on plans or letter from the well driller)**
Notes: EXISTING

Before the 1st inspection Recorded (Clerks Office) Notice of Commencement signed by owner
Notes:

✓ **2 sets of plans (blueprints) folded to 9 x 12 size**
Notes:

✓ **2 sets of sealed truss engineering**
Notes:

✓ **2 sets of energy code & manual J**
Notes:

✓ **2 sets of engineering packets including specs on windows, doors, roof and etc. and/or Product Approval Code sheet (Included in packet)**
Notes:

There are two pages to the Building Permit Application that must be submitted with the required signatures for the Owner and the Notarized Contractor's signature.

Contact Joe Haltiwanger, Plans Examiner at 386-758-1163 for questions on building plans submittal.

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) **SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE -------- 100 MPH
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE --------110 MPH
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			Items to Include- Each Box shall be Circled as Applicable		
				Yes	No	N/A
1	Two (2) complete sets of plans containing the following:					
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.)		Total (Sq. Ft.) under roof	IIIIIII	IIIIIII	IIIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

Site Plan information including:

4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII YES	IIIII NO	IIIIII N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding			
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.			

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys			✓
18	Location and size of skylights with Florida Product Approval			✓
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	✓		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)			✓
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
25	Safety glazing of glass where needed			✓
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)			✓
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing valve of soil_____ Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

FBCR 506: CONCRETE SLAB ON GRADE

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓		

FBCR 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. **Protection shall be provided by registered termiticides**	✓		

FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	✓		

Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect

Floor Framing System: First and/or second story

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	✓		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or priers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or priers	✓		
42	Attachment of joist to girder	✓		
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space	✓		
45	Show required amount of ventilation opening for under-floor spaces	✓		
46	Show required covering of ventilation opening	✓		
47	Show the required access opening to access to under-floor spaces	✓		
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &	✓		

48	intermediate of the areas structural panel sheathing	✓		
49	Show Draftstopping, Fire caulking and Fire blocking	✓		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).	✓		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

FBCR :ROOF SYSTEMS:

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

FBCR 802:Conventional Roof Framing Layout

65	Rafter and ridge beams sizes, span, species and spacing	✓		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	✓		
67	Valley framing and support details	✓		
68	Provide dead load rating of rafter system	✓		

FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

FBCR ROOF ASSEMBLIES FRC Chapter 9

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure			
74	Attic space			✓
75	Exterior wall cavity	✓		
76	Crawl space			✓

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study			✓
78	Exhaust fans locations in bathrooms			✓
79	Show clothes dryer route and total run of exhaust duct			✓

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			✓
81	Show the location of water heater			✓

Private Potable Water

82	Pump motor horse power			✓
83	Reservoir pressure tank gallon capacity			✓
84	Rating of cycle stop valve if used			✓

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	✓		✓
86	Ceiling fans	✓		✓
87	Smoke detectors & Carbon dioxide detectors	✓		✓
88	Service panel, sub-panel, location(s) and total ampere ratings	✓		✓
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.			✓

				✓
90	Appliances and HVAC equipment and disconnects			✓
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

Disclosure Statement for Owner Builders *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

Notice Of Commencement

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	**Building Permit Application** A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	**Environmental Health Permit or Sewer Tap Approval** A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	**City of Lake City** A permit showing an approved waste water sewer tap			
96	**Toilet facilities shall be provided for all construction sites**	✓		
97	**Town of Fort White** (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			✓
98	**Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is **$50.00**	✓		
101	**Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (**$25.00**) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.			✓
102	**911 Address:** If the project is located in an area where a 911 address has not been issued, then application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		✓

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

Time limitation of application.

An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Single-family residential dwelling.

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the applicati or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

Permit intent.

Section 105.4.1: A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

If work has commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

New Permit.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became nu and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date if issuance of the new permit.

Work Shall Be:

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

The Fee:

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applican will be notified by phone as to the date and time a building permit will b prepared and issued by the Columbia County Building & Zoning Department

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are **applying for a building permit on or after April 1, 2004**. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging 1	ReliaBilt	36" Ext w/Blinds ## 234948	
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung 2	Am Craftsman	3/0 X 4/4 Mod# 2300 White 5/8"	
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed 2	LL Indust	VX3 DP 35	
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits			
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles ✓	Owens Corning	40yr Mod# ON 575N	
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation ✓			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates ✓			
3. Engineered lumber			
4. Railing ✓			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms ✓			
9. Plastics			
10. Deck-Roof ✓			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements.

I understand these products may have to be removed if approval cannot be demonstrated during inspectic

Contractor or Contractor's Authorized Agent Signature

CONNIE L. STUART

Print Name

08/09/09

Date

GTC DESIGN GROUP

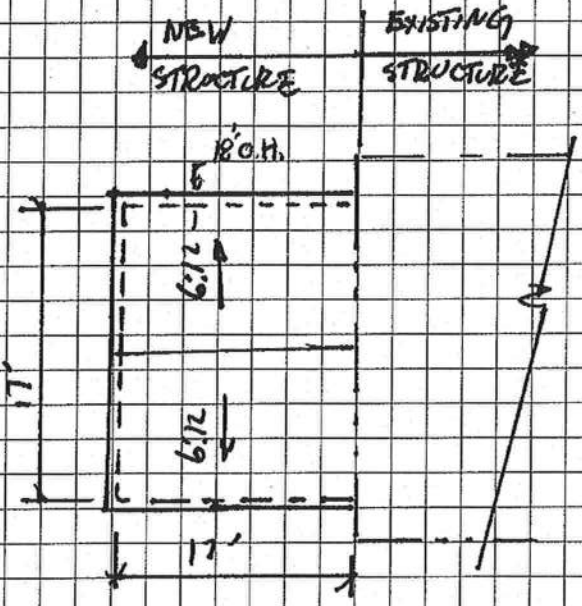
STRUCTURAL AND WIND LOAD CALCULATIONS

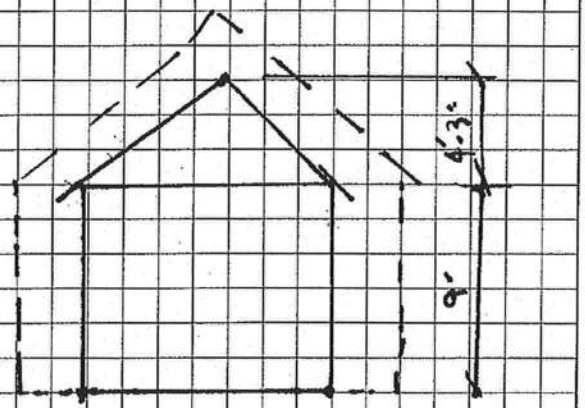
For
Connie Stuart and Carol Altenbaugh

3/10/09

Gary Gill, P.E. 51942
P.O. Box 187
130 West Howard Street
Live Oak, FL 32064
Ph. (386) 362-3678
Fax (386) 362-6133
AUTH # 9461

WIND LOAD ON ADDITION





- WIND SPEED = 110 mph
- INT. PRESSURE = +/- 0.18
  KzKztKd = 1.0
  EXP = B
  Mean Roof Height = 15.0

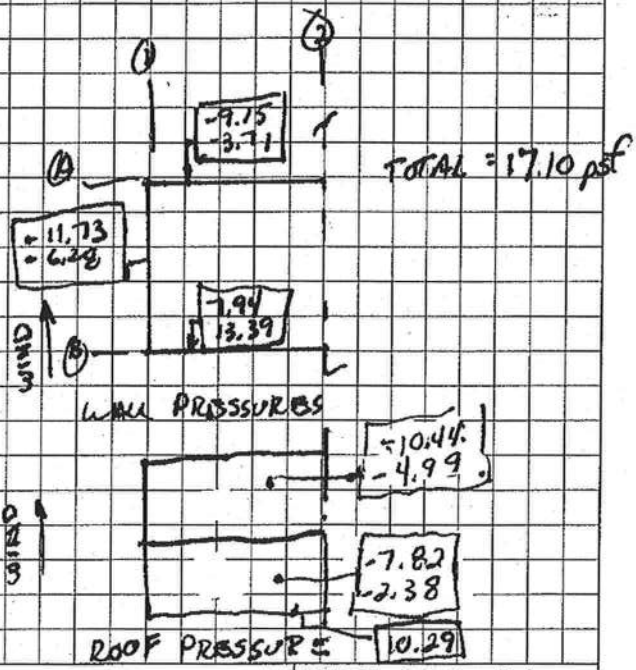
- SHEARWALL ANALYSIS (MWFRS)

PER WINDOZ V2.21 SPREADSHEET

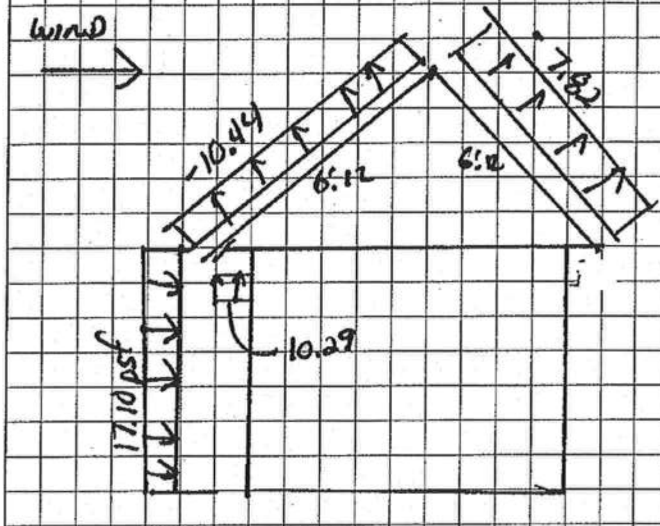
Q_h = 15.13 psf

Cp values
WINDWARD WALLS = 0.8
LEEWARD WALLS = -0.5
WINDWARD ROOF = -0.4
LEEWARD ROOF = -0.6
LEEWARD OH = -0.6
WINDWARD OH = -0.4

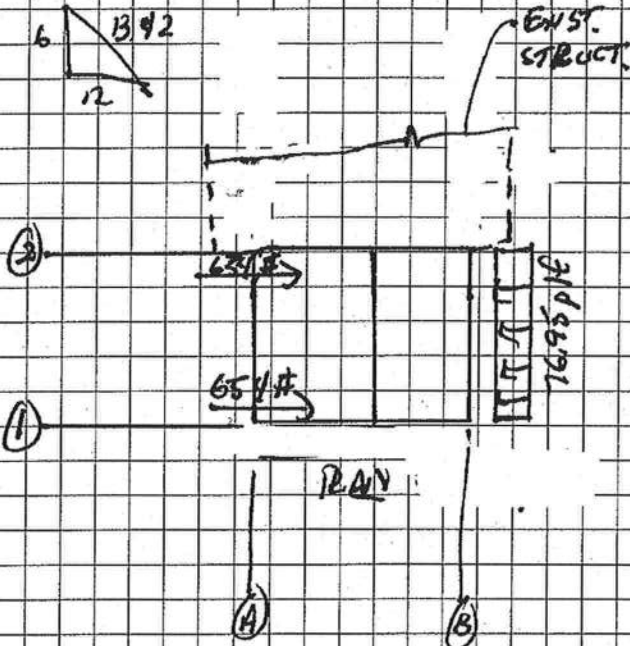
- TRUSS UPLIFT TO BE DETERMINE BY TRUSS MAN'F. SEE DRAWINGS UPLIFT SCHEDULE FOR CONNECTIONS TYPE



SUBJECT	LIVE OAK OFFICE		LAKE CITY OFFICE	PROJECT #: PF09-026
SHEET (1)	130 WEST HOWARD STREET LIVE OAK, FL 32064 PH: 386.362.3678	GTC DESIGN GROUP, LLC P.O. BOX 187 LIVE OAK, FL 32064 STRUCTURAL/CIVIL ENGINEERS FAX: 386.362.6133 www.gtcdesigngroup.com	930 SW BAYA DRIVE LAKE CITY, FL 32055 PH: 386.754.3677	PROJECT NAME: STUART DATE: ENGINEER:



SECTION



PLAN

- LOADING ON STRUCTURE

WALL PRESSURE

17.10 (4.5') = 76.95 plf →

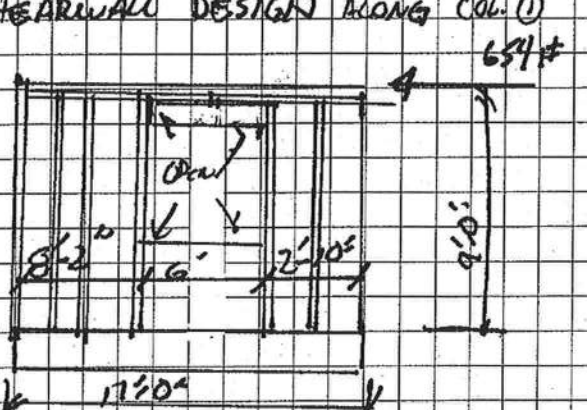
ROOF PRESSURE (HORIZ)

(-10.44 + 7.82)(6/13.42)[4.5'] = 5.61 plf (≈ 0)

- LOAD ON SHEAR WALLS

P = 76.95(17'/2) = 654#

SHEARWALL DESIGN ALONG COL. (1)



PERFORATED SHEARWALL COL (1)

SEE SHEARWALL CALCULATIONS

COL (2) EXIST. SHEARWALL TO REMAIN

COL (A) & (B) SHEARWALL TO REQ'D

SUBJECT	LIVE OAK OFFICE		LAKE CITY OFFICE	
SHEET (2)	130 WEST HOWARD STREET LIVE OAK, FL 32064 PH: 386.362.3678	GTC DESIGN GROUP, LLC P.O. BOX 187 LIVE OAK, FL 32064 STRUCTURAL/CIVIL ENGINEERS FAX: 386.362.6133 www.gtcdesigngroup.com	930 SW BAYA DRIVE LAKE CITY, FL 32055 PH: 386.754.3677	PROJECT #: DF09.026 PROJECT NAME: STUART DATE: ENGINEER:

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Analysis by: Gary Gill **Company Name:** GTC Design Group
Description: Stuart

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Struc Category (I, II, III, or IV)	II	
Exposure (B, C, or D)	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof	6.0	:12
Slope of Roof (Theta)	26.6	Deg
Type of Roof	Gabled	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	12.00	ft
Ridge Height (RHt)	17.00	ft
Mean Roof Height (Ht)	15.00	ft
Width Perp. To Wind Dir (B)	17.00	ft
Width Paral. To Wind Dir (L)	17.00	ft

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	0.88	
Flexible Structure	No	

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table 6-2 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	0.9322	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8850	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

Fig 6-5 Internal Pressure Coefficients for Buildings, Gcpi

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
Enclosed Buildings	**0.18**	**-0.18**

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

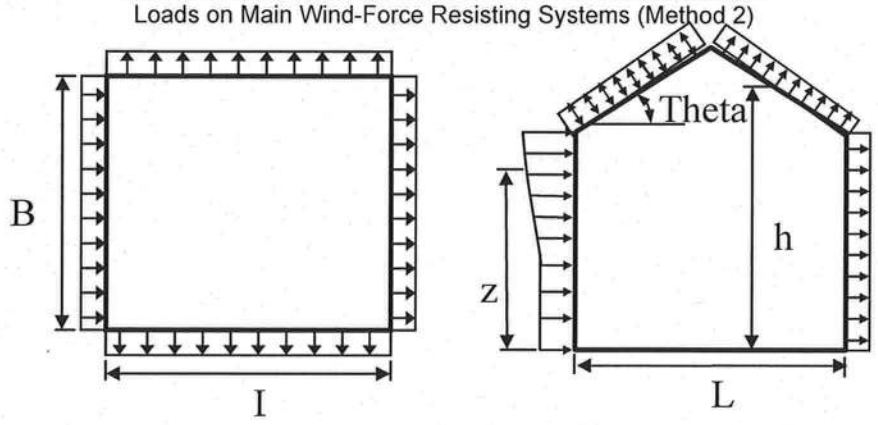
6.5.12.2.1 Design Wind Pressure - Buildings of All Heights

Elev	Kz	Kzt	qz	Pressure (lb/ft^2)						
				Windward Wall*		Leeward Wall		Total	Shear	Moment
ft			lb/ft^2	+GCpi	-GCpi	+GCpi	-GCpi	+/-Gcpi	(Kip)	(Kip-ft)
17	0.60	1.00	15.68	7.94	13.39	-9.15	-3.71	17.10	0.58	0.58
15	0.57	1.00	15.13	7.57	13.01	-9.15	-3.71	16.72	4.85	41.86

Note: 1) Positive forces act toward the face and Negative forces act away from the face.

Figure 6-6 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems (Method 2)



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.57	
Kht	Topographic factor (Fig 6-4)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	15.13	psf
Khcc	Comp & Clad: Table 6-3 Case 1	0.70	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	Cp
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 17 ft Face *Additional Runs may be req'd for other wind directions*	Cp	Pressure (psf) +GCpi	 -GCpi
Leeward Walls (Wind Dir Normal to 17 ft wall)	-0.50	-9.15	-3.71
Leeward Walls (Wind Dir Normal to 17 ft wall)	-0.50	-9.15	-3.71
Side Walls	-0.70	-11.73	-6.28
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 17 ft face			
Windward - Min Cp	-0.40	-7.82	-2.38
Windward - Max Cp	0.10	-1.49	3.96
Leeward Normal to Ridge	-0.60	-10.44	-4.99
Overhang Top (Windward)	-0.40	-5.10	-5.10
Overhang Top (Leeward)	-0.60	-7.72	-7.72

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

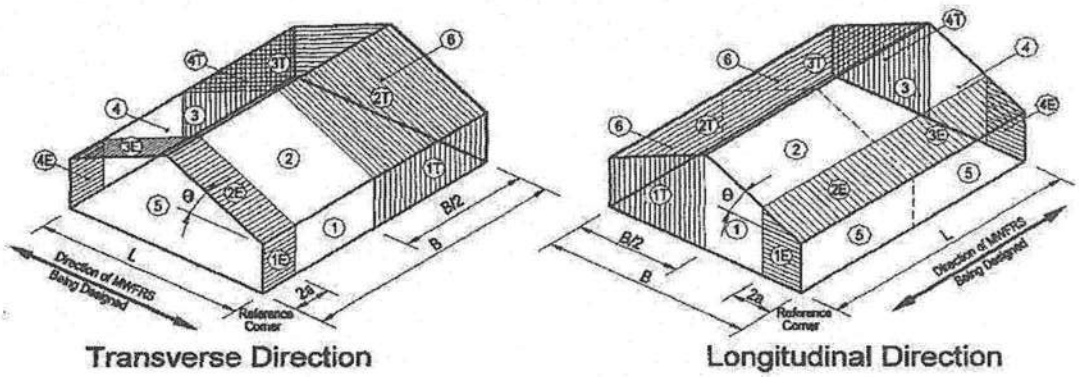
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 17 ft face			
Dist from Windward Edge: 0 ft to 30 ft - Max Cp	-0.18	-5.04	0.41
Dist from Windward Edge: 0 ft to 7.5 ft - Min Cp	-1.21	-18.23	-12.79
Dist from Windward Edge: 7.5 ft to 15 ft - Min Cp	-0.75	-12.33	-6.89
Dist from Windward Edge: 15 ft to 17 ft - Min Cp	-0.65	-11.12	-5.67

* Horizontal distance from windward edge

Figure 6-10 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.70
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	18.45
Theta =	Angle of Roof	=	26.6 Deg



Torsional Load Cases

Wind Pressures on Main Wind Force Resisting System						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.55	0.18	-0.18	18.45	6.82	13.46
2	-0.10	0.18	-0.18	18.45	-5.09	1.55
3	-0.45	0.18	-0.18	18.45	-11.57	-4.93
4	-0.39	0.18	-0.18	18.45	-10.52	-3.88
5	-0.45	0.18	-0.18	18.45	-11.62	-4.98
6	-0.45	0.18	-0.18	18.45	-11.62	-4.98
1E	0.73	0.18	-0.18	18.45	10.10	16.74
2E	-0.19	0.18	-0.18	18.45	-6.74	-0.10
3E	-0.58	0.18	-0.18	18.45	-14.10	-7.46
4E	-0.53	0.18	-0.18	18.45	-13.18	-6.54

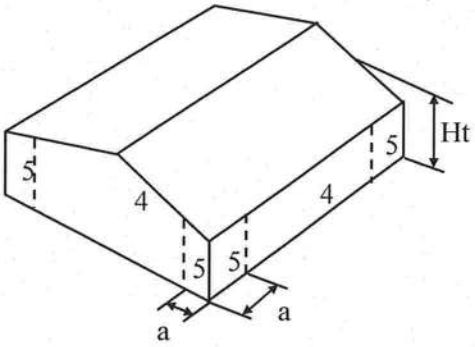
* p = qh * (GCpf - GCpi)

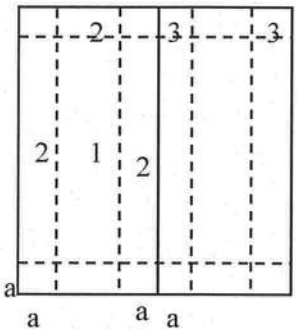
Figure 6-11 - External Pressure Coefficients, GCp

WIND02 v2-21

Detailed Wind Load Design (Method 2) per ASCE 7-02

Loads on Components and Cladding for Buildings w/ Ht <= 60 ft





Gabled Roof

7 < Theta <= 45

a = 1.7 ==> 3.00 ft

Double Click on any data entry line to receive a help Screen

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2	
					Max	Min	Max	Min
Wall	10	1	10.00	4	1.00	-1.10	21.77	-23.61
Wall Exterior	10	1	10.00	5	1.00	-1.40	21.77	-29.15
Roof	10	1	10.00	1	0.50	-0.90	12.54	-19.92
Roof Exterior	10	1	10.00	2	0.50	-1.70	12.54	-34.68
Roof Corner	10	1	10.00	3	0.50	-2.60	12.54	-51.28
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					

Note: * Enter Zone 1 through 5, or 1H through 3H for overhangs.

Shear Wall Design	
Project Name:	**Stuart**
Project Number:	**PF09-026**
Client:	
Date:	**3/12/2009**

Design Info				
Hold-downs	**Simpson**	**HD2A**	**2775**	lbs
Anchor bolts	**1/2"**	**@ 4' O.C.**	**226**	plf
Hurricane straps	**Simpson**	**H10**	**905**	lbs

Shear Wall Design N/S (force acting perpendicular to ridge)			
Wall shear values to each shearwall (lb)	**654.00**		
Total Shear, V	**654.00**		

Shear Wall Design - Case A		
	Wall 1	
Full wall length	**17**	
Shearwall Length	**11**	
Percent Full-Height Sheathing Shearwall	100.00	
Shear capacity adjustment, C_o (table 2305.3.7)	**1.00**	
SG	**1**	
Shearwall rating (plf)	**380**	
Shearwall with wind allowance	532	
Allowable Shear Capacity	532	
unit shear, v	59.45	
pass?	**yes**	
shear and uplift between holddown, v and u (plf)	59.45	
anchor bolts pass?	**yes**	
T on hold-downs (lbf)	535.09	
hold-downs pass?	**yes**	

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
ggill@gtcdesigngroup.com

April 22, 2009

Columbia County
Building and Zoning Department
135 NE Hernando Ave.
Lake City, FL 32055

SUBJECT: Stuart Residence
Permit # 904-12
Re-bar Revisions

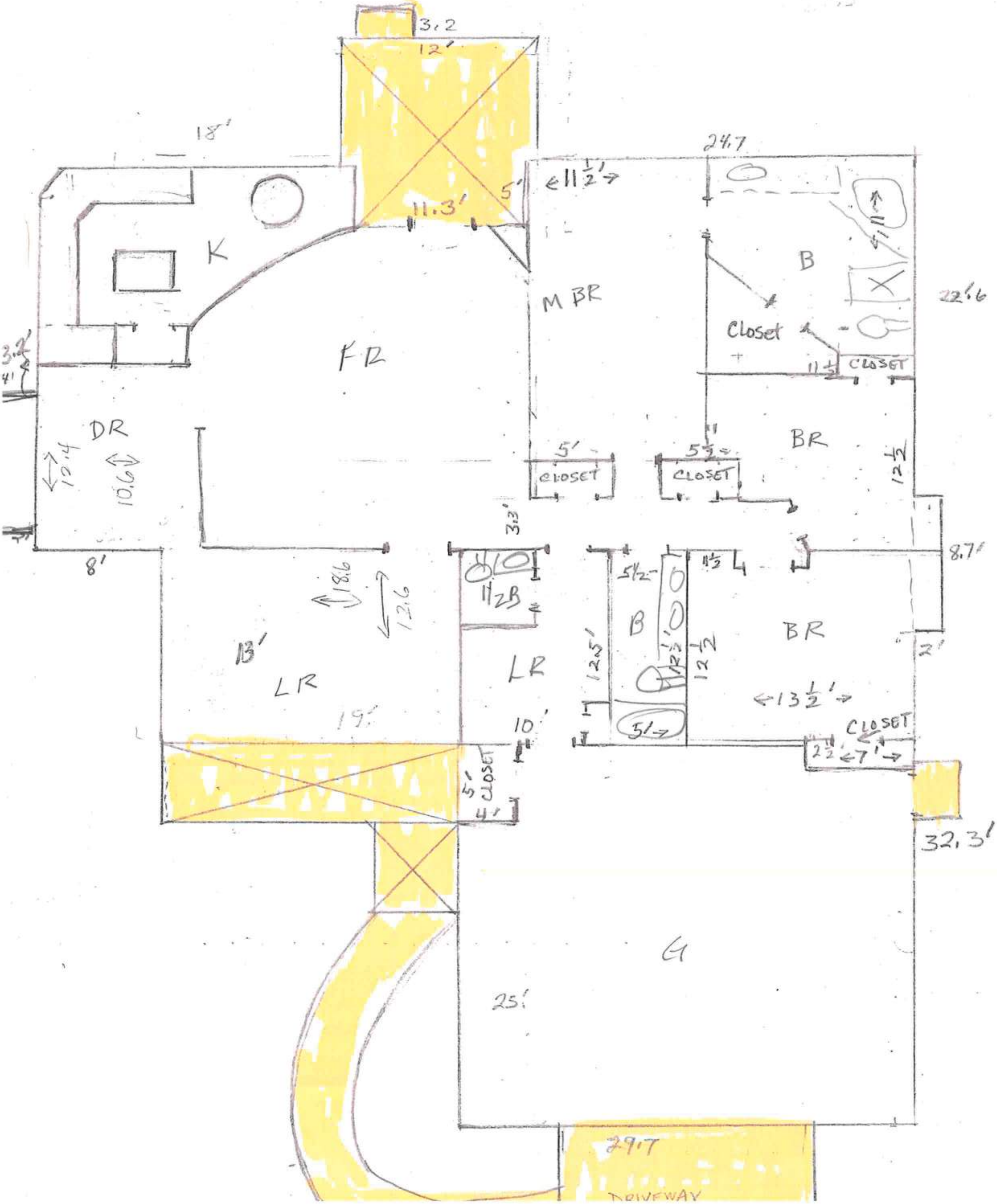
Joe Haltiwanger,

I approve the field change for the abovementioned project. The contractor changed the rebar specification from A615 Grade 60 to Grade 40.

If you have any questions or require additional information, please contact me at your convenience.

Thank you,

Gary Gill, PE 51942
Project Manager
4/22/09



3.2
12'
18'
24.7
11.3'
5'
K
M BR
B
Closet
CLOSET
22.6
FR
DR
BR
CLOSET
CLOSET
8'
8.7'
LR
LR
B
BR
CLOSET
13'
19'
10'
5' CLOSET
4'
32.3'
G
25'
29.7
DRIVEWAY

Notice of Treatment NO Contract

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE BAYA Ave
City Lake Ct, Phone 752-1703

Site Location: Subdivision
Lot # Block# Permit # 27765
Address

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Exterior perimeter	N/A	72	15

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line JDP.

6/24/09 (Date) 0800 (Time) James D Parker (Print Technician's Name)

Remarks: HEAVY SLAG UNDER DECK ALONG the FOUNDATION OF STRUCTURE

Applicator - White Permit File - Canary Permit Holder - Pink

10/05 ©

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 536 SE BAYA AVE
City ______ Phone 752 1703

Site Location: Subdivision ______
Lot # ______ Block# ______ Permit # ~~1334~~ 27765
Address 214 SW BULLARD CT

Product used	**Active Ingredient**	**% Concentration**
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	**Square feet**	**Linear feet**	**Gallons Applied**
ADDITION	324	72	40

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line ______.

5/4/09 — Date

1330 — Time

JAMES D PARKER — Print Technician's Name

Remarks: ______

Applicator - White   Permit File - Canary   Permit Holder - Pink

10/05 ©

CONNIE STUART NEW ADDITION

LAKE CITY, FLORIDA

PRODUCT APPROVAL SPECIFICATION TABLE				
USED THIS PROJECT	CATAGORY / SUBCATAGORY	MANUFACTURER	PRODUCT DESCRPTION	FLORIDA APPROVAL NUMBERS
DOORS				
X	SWING	MASONITE INTERNATIONAL	METAL EDGE STEEL DOOR UNITS	19.1
	SECTIONAL DOOR ASSEMBLY	WAYNE-DALTON CORPORATION	5500/9700 #0510 10' MAX WIDTH X 8' MAX HEIGHT	5587.11
	SECTIONAL DOOR ASSEMBLY	WAYNE-DALTON CORPORATION	8300/8500-5150/5200 #0124 16' MAX WIDTH X 16' MAX HEIGHT	10737.1
	SLIDING DOOR ASSEMBLY	PELLA CORPORATION	SERIES 10/25 VINYL HIGH PERFORMANCE	1824.1
WINDOWS				
X	VINYL SINGLE HUNG	SCHWINCO INDUSTRIES INC.	SH320	132.1
	VINYL DOUBLE HUNG	PELLA CORPORATION	ARCHITECT SERIES HURRICANE SHIELD CLAD 33"X53"	11366.5
	VINYL FLANGE FIXED	PELLA CORPORATION	SERIES 10 96"X60"	6694.1
ROOFING				
X	ASPHALT SHINGLES	TAMKO BUILDING PRODUCTS	HERITAGE 30 AR	1956.3
X	ASPHALT UNDERLAYMENT	TAMKO BUILDING PRODUCTS	MASTER SMOOTH	1481.1
	METAL ROOFING	ASI BUILDING PRODUCTS	CMF EZLOCK 1.5	8695.1
STRUCTURAL COMPONANTS				
X	HOLD DOWN	SIMPSON STRONG-TIE	HD2A	503.10
	HOLD DOWN	SIMPSON STRONG-TIE	AB66	474.10
	COILED STRAP	SIMPSON STRONG-TIE	CS16	1901.4
	STRAP TIE	SIMPSON STRONG-TIE	LSTA36	1901.36
	STRAP TIE	SIMPSON STRONG-TIE	MSTC40	1901.64
	STRAP TIE	SIMPSON STRONG-TIE	MSTCM40	1901.70
	COLUMN CAP	SIMPSON STRONG-TIE	CC44	5805.4
	COLUMN CAP	SIMPSON STRONG-TIE	CC46	5805.5
	ADJUSTABLE U HANGER	SIMPSON STRONG-TIE	LSSU410	474.248
	FACE MOUNT HANGER	SIMPSON STRONG-TIE	LUS210	3750.87
	FACE MOUNT HANGER	SIMPSON STRONG-TIE	LUS26	3750.93
	FACE MOUNT HANGER	SIMPSON STRONG-TIE	LUS28	3750.96
	STUD PLATE TIES	SIMPSON STRONG-TIE	SPH4	538.21
	STUD PLATE TIES	SIMPSON STRONG-TIE	SPH6	538.35
X	HURRICANE TIES	SIMPSON STRONG-TIE	H10	474.109
	HURRICANE TIES	SIMPSON STRONG-TIE	H162	1423.4
	VALLEY TRUSS CLIP	SIMPSON STRONG-TIE	VTC2	5731.6

LEGEND	
SYMBOL	DESCRIPTION
	ELEVATION MARK
	SECTION MARK
	DETAIL CALLOUT
ELEV. = 0'-0"	ELEVATION INDICATOR
01	DOOR TAG
1	WINDOW TAG
ROOM 000	ROOM TAG
1	REVISION CLOUD W/ TAG

DRAWING INDEX - BUILDING PACKAGE

Sheet Number	Sheet Title	Rev. #	REV. DATE
T-1.0	TITLE SHEET		
S-1.0	GENERAL NOTES		
S-2.0	FOUNDATION PLAN		
S-3.0	ROOF FRAMING PLAN		
S-3.1	ROOF FASTENING PLAN		
S-4.0	SECTIONS		
S-5.0	DETAILS		

APPLICABLE CODES
2005 NATIONAL ELECTRIC CODE (NFPA 70)
2007 FLORIDA BUILDING CODE (RESIDENTIAL)

CONSTRUCTION DOCUMENTS
THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DICREPANCIES SHALLL BE REPORTED TO YOUR SALES REPRESENTATIVE PRIOR TO THE COMENCEMENT OF ANY WORK OR FABRICATION OF ANY MATERIALS.

DO NOT SCALE OFF THESE PLANS
AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

16-Mar-09

P.O. Box 187
130 West Howard Street
Live Oak FL 32064
Phone: (386) 362-3678
Fax: (386) 362-6133
STRUCTURAL/CIVIL ENGINEERS Gary J. Gill, PE
Auth. # 9461

CONNIE STUART
NEW ADDITION
LAKE CITY, FLORIDA

TITLE SHEET

PROJECT NUMBER PF09-026
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

T-1.0

DESIGN CRITERIA

DESIGN PER 2007 FLORIDA BUILDING CODE UNLESS OTHERWISE NOTED.

LIVE LOADS:

ROOFS AND CANOPIES:
- 0 TO 200 SF 16PSF
- 201 TO 600 SF 14PSF
- OVER 600 SF 12PSF
- STAIRS 100PSF
- FLOORS 50PSF
- CORRIDORS 80PSF
- LOBBIES 80PSF
- BALCONIES 60PSF
- PARTITION LOAD (DEAD LOAD) 20PSF

WIND LOADS:
- BASIC WIND SPEED: (ASCE 7) ..... 110 MPH
- MEAN ROOF HEIGHT ..... ___ FT
- WIND IMPORTANCE FACTOR (CATEGORY II) 1.0
- WIND EXPOSURE ..... B

ENCLOSURE
- CLASSIFICATION ..... ENCLOSED
- INTERNAL PRESSURE COEFFICIENT ..... ±0.18
- DIRECTIONALITY FACTOR (Kd) 0.85
- SHAPE FACTORS ..... PER CODE

THIS BUILDING IS NOT LOCATED IN THE WIND BORNE DEBRIS REGION. IMPACT EXISTANT GLAZING IS NOT REQUIRED.

DESIGN WIND PRESSURES FOR COMPONENTS & CLADDING:

WALLS & WALL OPENINGS

TRIBUTARY AREA	INTERIOR ZONE	END ZONE
(>6.3 ft FROM BLDG. CORNER)	(<6.3 ft FROM BLDG. CORNER)	
10 sf	-23.61 /21.7	-29.2 / 21.77
25 sf	-22.31 / 20.5	-26.55 / 20.5
(LINEARLY INTERPOLATE BETWEEN STATED VALUES)		

ROOFS &ROOF OPENINGS

TRIBUTARY AREA	INTERIOR ZONE	END ZONE
(>6.3 ft FROM BLDG. CORNER)	(>6.3 ft FROM BLDG. CORNER)	
10 sf	-21.77/19.92	-25.46 / 19.92
25 sf	-20.30 / 19.19	-23.99 / 19.19
(LINEARLY INTERPOLATE BETWEEN STATED VALUES)		

CONCRETE (DESIGN PER CURRENT EDITION ACI 318)
- SLAB ON GRADE ..... F'C= 3000 PSI
- FOOTINGS ..... F'C= 3000 PSI
- ALL OTHER CONCRETE ..... F'C= 3000 PSI

ALL REINFORCING STEEL ASTM A615 GRADE 60, ALL WELDED WIRE FABRIC ASTM A185

CONCRETE MASONRY (DESIGN PER CURRENT EDITION ACI 530)
- COMPRESSIVE STRENGTH ..... F'M= 1500 PSI

STRUCTURAL STEEL (DESIGN PER CURRENT EDITION AISC), UNLESS OTHERWISE NOTED MATERIALS SHALL BE AS FOLLOWS:
- W-SHAPES ..... ASTM 992, Fy=50 KSI
- OTHER SHAPES & PLATES ..... ASTM A36, Fy=36 KSI
- HSS SQUARE & RECTANGULAR SHAPES ..... ASTM A500 GRADE B, Fy= 46 KSI
- HSS ROUND SHAPES ..... ASTM A500 GRADE B, Fy= 42 KSI
- STEEL PIPES ..... ASTM A53 GRADE B, Fy= 35 KSI
- WELDING ELECTRODES ..... AWS A5.1 OR A5.5 SERIES E70
- HIGH-STRENGTH BOLTS ..... ¾"ø ASTM A325
- ANCHOR RODS ..... GRADE 36 ASTM F1554
- WELDED STUDS ..... ASTM A108
- DEFORMED BARS ..... ASTM A496
- PAINT & PROTECTION ..... SSPC PAINT 25
- SOIL BEARING (DESIGN MAXIMUM) 1000PSF

FOUNDATIONS

F-1 ALL FINISHED EXCAVATIONS AND BEARING GRADES SHALL BE INSPECTED AND APPROVED BY THE OWNERS SOIL TESTING AGENCY BEFORE ANY CONCRETE IS PLACED.

F-2. ALL FOUNDATION WALLS SHALL BE BRACED DURING THE OPERATION OFBACKFILLING AND COMPACTION BRACING SHALL BE LEFT IN POSITION UNTIL PERMANENT RESTRAINTS ARE EFFECTIVE. BACKFILL NO FOUNDATION WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS IN PLACE AND OF ADEQUATE STRENGTH TO WITHSTAND THE APPLIED LATERAL PRESSURES.

F-3. LOCATE ALL EXISTING BELOW GRADE UTILITIES. PROVIDE UTILITIES WITH POSITIVE PROTECTION AGAINST DAMAGE DUE TO SETTLEMENT AND CONSTRUCTION OPERATIONS.

F-4. ALL FOOTING SUBGRADES, AS REQUIRED, AND ALL SLAB SUBGRADES SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT BASED ON LABORATORY DESIGNATION ASTM D1557.

CONCRETE

C-1. ALL CONCRETE SHALL BE CONTROLLED CONCRETE.

C-2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
- A. FOUNDATION WALLS, PIERS AND FOOTINGS ..... 3000 PSI
- B. SLABS ON GRADE ..... 3000 PSI
- C. ALL OTHER CONCRETE ..... 3000 PSI

C-3. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE WITH A NOMINAL AIR DRY DENSITY OF 145 PCF.

C-4. PROVIDE CONSTRUCTION JOINTS WHERE SHOWN. OMIT NONE AND ADD NONE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER. SUBMIT DRAWINGS SHOWING ALL PROPOSED CONSTRUCTION JOINT LOCATIONS FOR APPROVAL PRIOR TO PREPERATION OF AFFECTED REINFORCEMENT SHOP DRAWINGS.

C-5. MINIMUM ELAPSED TIME BETWEEN ADJACENT CONCRETE PLACEMENTS SHALL BE 48 HRS.

C-6. CONCRETE MIX DESIGN FOR EACH TYPE AND STRENGTH OF CONCRETE SPECIFIED SHALL BE SUBMITTED FOR ARCHITECT /ENGINEER REVIEW 30 DAYS PRIOR TO PLACEMENT OF CONCRETE.

REINFORCING

R-1. ALL BAR REINFORCEMENT SHALL CONFORM TO ASTM 615 GRADE 60

R-2. WELDED WIRE FABRIC REINFORCEMENT SHALL CONFORM TO ASTM A185.

R-3. CLEARANCE OF MAIN REINFORCEMENT FROM ADJACENT SURFACES SHALL CONFORM TO THE FOLLOWING (UNLESS OTHERWISE SHOWN IN DETAIL)
- A. UNFORMED SURFACES IN CONTACT WITH GROUND (FOOTING OR WAL BOTTOM) ..... 3"
- B. SLABS ON GRADE ..... 2 1/2"
- C. FORMED SURFACE IN CONTACT WITH GROUND OR EXPOSED TO WEATHER (WALLS, PIERS) ..... 2"
- D. IN ALL CASES, CLEARANCE NOT LESS THAN DIAMETER OF BARS.

NOTE-MAXIMUM DEVIATION FROM THESE REQUIREMENTS SHALL BE + 1/4" FOR SECTIONS 10" OR LESS AND + 1/2" FOR SECTIONS OVER 10" THICK.

R-4. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON DRAWINGS.

R-5. WHERE REINFORCEMENT IS NOT SHOWN ON DRAWINGS, PROVIDE REINFORCEMENT IN ACCORDANCE WITCE WITH APPLICABLE TYPICAL DETAILS OR SIMILAR TO THAT SHOWN FOR MOST NEARLY SIMILAR SITUATIONS, AS DETERMINED BY THE ARCHITECT/ENGINEER. IN NO CASE SHALL REINFORCEMENT BE LESS THAN MINIMUM PERMITTED BY APPLICABLE CODES.

R-6. ALL WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (ACI-315).

R-7. ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BY THE ARCHITECT/ENGINEER OR OWNER TESTING AGENCY BEFORE CONCRETE IS PLACED.

R-8. WHERE CONTINUOUS BARS ARE CALLED FOR THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS, LAPPING AT NECESSARY SPLICES AND HOOKED AT DISCONTINUOUS ENDS.

R-9. WELDED WIRE FABRIC SHALL BE LAPPED ONE FULL MESH PANEL OR 6" MINIMUM.

R-1. ALL REINFORCING SPLICES SHALL CONFORM TO THE TABLE(S) PRVIDED IN THE GENERAL NOTES FOR STRENGTH OF CONCRETE BUT IN NO CASE LESS THAN THE REQUIREMENTS OF THE LATEST EDITION OF ACI-318.

R-11. SLABS AND WALLS SHALL NOT BE SLEEVED OR BOXED OUT OR HAVE THEIR REINFORCING INTERUPTED EXCEPT AS SPECIFICALLY NOTED ON THE DRAWINGS. PROVIDE ADDITIONAL REINFORCEMENT AROUND OPENINGS AS SHOWN IN THE DETAILS.

R-12. SUBMIT CHECKED SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION OF REINFORCING. DRAWINGS SHALL SHOW REINFORCING DETAILS, INCLUDING SIZE AND SPACING OF BARS AND SUPPORT DETAILS. SHOP DRAWINGS SHALL INDICATE CONSTRUCTION JOINTS, CURBS, DEPRESSIONS, SLEEVES AND OPENINGS, ETC. WITH ALL ADDITIONAL REINFORCING REQUIRED.

R-13. BAR SUPPORTS SHALL BE GALVANIZED OR STAINLESS STEEL. BAR SUPPORTS IN CONTACT WITH EXPOSE SURFACES SHALL BE GALVANIZED AND PLASTIC TIPPED.

SLAB AND WALL REINFORCING LAP SPLICE LENGTHS

LAP SPLICE LENGTHS FOR REINFRCING IN 4000 PSI CONCRETE ARE AS FOLLOWS:

BAR SIZE	TENSION SPLICE TOP	TENSION SPLICE OTHER	DEVELOPMENT LENGTH
3	21	15	13
4	29	20	17
5	35	25	21
6	43	31	25
7	54	39	32
8	71	51	42

LAP SPLICE LENGTHS FOR REINFORCING IN 3000 PSI CONCRETE ARE AS FOLLOWS:

BAR SIZE	TENSION SPLICE TOP	TENSION SPLICE OTHER	DEVELOPMENT LENGTH
3	21	15	13
4	29	20	17
5	35	25	21
6	46	33	27
7	63	45	37
8	82	59	49

NOTES:
1. LAPPED SPLICE LENGTHS BASED ON ASTM A-615. GADE 60, REBAR
2. REINFORCING BARS ARE CLASSIFIED AS TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BENEATH RESPECTIVE REINFORCING BAR.
3. COMPRESSION SPLICES PERMISSIBLE ONLY WHERE SPECIFICALLY NOTED ON THE DRAWINGS, DETAILS OR SCHEDULS.
4. TENSION SPLICES SHALL BE USED IN ALL BEAMS, SLABS AND WALLS UNLESS OTHERWISE NOTED
5. WHEN LAPPING LARGER BAR WITH SMALLER BAR, LAP LENGTH FOR SMALLER BAR SHALL GOVERN RESPECTIVE SPLICE.
6. SPLICE CONTINUOUS TOP REINFORCING BARS AT CENTER OF CLEAR SPAN WITH COMPRESSION SPLICES.
7. SPLICE CONTINUOUS BOTTOM REINFORCING BARS AT CENTER OF SUPPORTING ELEMENT WITH COMPRESSION SPLICES
8. ALL SPLICE LENGTHS NOTED IN INCHES.

FLOOR SLABS

FLOOR SLABS SHALL BE SUPPORTED ON AT LEAST 4" OF RELATIVELY CLEAN GRANULAR MATERIAL SUCH AS SAND, SAND AND GRAVEL, OR CRUSHED STONE. GRANULAR MATERIAL SHALL HAVE 100% PASSING THE 1 1/2" SIEVE AND A MAXIMUM OF 10% PASSING THE NO. 200 SIEVE.

STRUCTURAL FILL SHALL BE PLACED IN THIN LOOSE LIFTS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED WITH A HEAVY ROLLER. EACH LIFT SHALL BE THOROUGHLY COMPACTED WITH THE LABORATORY ROLLER TO PROVIDE DENSITIES TO AT LEAST 95% OF THE PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557). STRUCTURAL FILL SHALL CONSIST OF AN INORGANIC, NON-PLASTIC, GRANULAR SOIL CONTAINING LESS THAN 10% MATERIAL PASSING THE 200 MESH SIEVE.

NOTES:

1) ALL CONNECTORS LISTED ARE SIMPSON STRONG-TIE, UON. OTHER MANUFACTURERS MAY BE SUBSTITUTED. SCREW SIZE AND NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S CATALOG. ROOF TRUSS CLIPS SHALL BE SELECTED TO PROVIDE THE UPLIFT RESISTANCE SHOWN ON THE ROOF TRUSS SHOP DRAWINGS. 2) TRUSS ENGINEER MAY PROVIDE ALTERNATE CONNECTIONS.

SUPPLEMENTARY NOTES

PROVIDE ALL TEMPORARY BRACING, SHORING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. THE STRUCTURE SHOULD NOT BE CONSIDERED STABLE UNTIL ALL STRUCTURAL ELEMENTS HAVE BEEN CONSTRUCTED.
VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR EMBEDS, OPENINGS, SLEEVES, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.
ALL STRUCTURAL OPENINGS AROUND OR AFFECTED BY MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCTURAL WORK AFFECTED.
EMBEDMENT FOR EXPANSION BOLTS SHALL BE 3 ½"ø MINIMUM FOR ⅜" BOLTS IN CONCRETE, 5 ¼" IN GROUTED MASONRY, HILTI KWIK BOLT II OR EQUAL.
EPOXY GROUT SHALL BE POWER FAST CARTRIDGE SYSTEM BY RAWL, HY150 CARTRIDGE SYSTEM BY HILTI: (HILTI RE500, IF HOLE IS CORED INSTEAD OF DRILLED) OR APPROVED EQUAL, UON.
EMBEDMENT SHALL BE 12 BAR DIAMETERS MINIMUM, UON. HOLES SHALL BE ¼" LARGER THAN REBAR SIZE, AND ½" LARGER THAN THREADED ROD SIZE. HOLE SHALL BE BRUSHED OUT WITH BOTTLE BRUSH AND THEN BLOWN OUT WITH AIR USING A COMPRESSOR WITH A FUNCTIONAL OIL TRAP.
INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS.
ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF AN ENGINEER IN THE STATE OF THE PROJECT.
GENERAL CONTRACTOR MUST REVIEW AND APPROVE SHOP DRAWINGS PRIOR TO SUBMITTAL TO ARCHITECT / ENGINEER. SUBMITTALS WHICH DO NOT CONTAIN THE CONTRACTOR'S SHOP DRAWING STAMP OR HAVE BEEN MERELY "RUBBER STAMPED" SHALL BE RETURNED WITHOUT REVIEW.
CHANGES TO THE CONTRACT DOCUMENTS SHALL BE CLOUDED ON SHOP DRAWINGS OR REQUESTED IN WRITING. THE CONTRACTOR IS LIABLE FOR ANY DEVIATIONS UNLESS REVIEWED AND ACKNOWLEDGED BY THE ENGINEER. SHOP DRAWING SUBMITTALS SHALL ONLY BE CHECKED FOR CONFORMANCE WITH THE DESIGN CONCEPT AND THE INFORMATION SHOWN ON THE CONSTRUCTION DOCUMENTS.

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:
A PERMANENT SIGN THAT IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1042.6
CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
IRRIGATION/SPRINKLERS SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN ⅜" THICK ADHERED DIRECTLY TO FOUNDATION WALL. FBC 1816.1.1
INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS, PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ILLIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
MINIMUM 6 MIL VAPOR RETATRDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
CONCRTE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC. 1816.1.5
SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6
ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. FBC 1816.1.6
A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLTET TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7
AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 503.1.3
NO WOOD, VEGETATION , STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 3203.1.4

LUMBER NOTES:

IDENTIFICATION AND QUALITY CONTROL - EACH PIECE OF LUMBER SHOULD BE GRADE MARKED BY AN AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARD COMMITTEE (ALSC), AND MANUFACTURED IN ACCORDANCE WITH PRODUCT STANDARD PS 20 PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE.
PRODUCT CLASSIFICATION - PRODUCTS SHOULD BE IDENTIFIED BY MANUFACTURED CATEGORIES SUCH AS DIMENSION, STRUCTURAL LIGHT FRAMING, DECKING, BOARDS, TIMBERS, ETC. PRODUCTS IN CATEGORIES SUCH AS FINISH, FLOORING, CEILING, AND SIDING, ETC., SHOULD INCLUDE THE PATTERN NAME AND NUMBER ASSIGNED BY THE RULESWRITING AGENCY. THIS WILL CORRECTLY IDENTIFY THE PRODUCT AND ENSURE THAT IT CONFORMS TO STANDARD. SELECT FROM THE GRADE DESCRIPTIONS HERE.
SIZE AND LENGTH OF PIECES - PRODUCTS INCLUDED IN LUMBER STANDARDS, SUCH AS DIMENSION LUMBER, SHOULD BE SPECIFIED BY NOMINAL SIZES FOR THICKNESS AND WIDTH, AND BY COMMON LENGTHS WHICH ARE 8' TO 20' IN TWO-FOOT INCREMENTS. PRODUCTS WITH PATTERNS AND SPECIAL ORDERS SHOULD INCLUDE THE DESIRED NET, DRY SIZE, PLUS THE DIMENSIONED PROFILE PATTERN FOR LESS COMMON ITEMS. VIEW STANDARD SIZES BY CLICKING HERE.
GRADE AND STRENGTH OF MATERIAL - STANDARD GRADES FOR EACH PRODUCT CLASS SHOULD BE SPECIFIED AFTER CONSIDERING ALL GRADES APPROPRIATE FOR THE INTENDED USE AND STRENGTH REQUIREMENTS. FOR STRUCTURAL APPLICATIONS, INCLUDE THE REQUIRED DESIGN VALUES ALONG WITH THE GRADE THAT REPRESENTS THOSE DESIGN VALUES.
MOISTURE CONTENT - SPECIFY DESIRED MOISTURE CONTENT (PERCENT) BASED ON REQUIREMENTS FOR THE PRODUCT, GRADE & INTENDED USE. MOST PRODUCT CLASSES AND GRADES OF SOUTHERN PINE HAVE SPECIFIC MOISTURE REQUIREMENTS. VIEW MOISTURE CONTENT LIMITS BY CLICKING HERE.
SURFACE TEXTURE - SURFACING REQUIREMENTS SHOULD BE SPECIFIED. LUMBER IS COMMONLY ORDERED S4S (SMOOTH SURFACED ON ALL FOUR SIDES), OR ROUGH SAWN. OTHER EXAMPLES INCLUDE: S1S2E (SURFACED ONE SIDE AND TWO EDGES); OR S2S4CM (SURFACED TWO SIDES AND CENTER MATCHED ON EDGES WITH CENTERED TONGUE AND GROOVE). VARIANCES FROM S4S WILL CAUSE A CHANGE FROM THE STANDARD DRESSED SIZES, SO THE EFFECT ON DESIRED NET DRY SIZE SHOULD BE CONSIDERED. REFER TO THE SPIB STANDARD GRADING RULES FOR SOUTHERN PINE LUMBER FOR MORE INFORMATION ON SURFACING DESIGNATIONS AND NET PRODUCT SIZES.
TRANSPORTATION AND STORAGE - ALL LUMBER IN TRANSIT, STORAGE AND HANDLING AREAS SHOULD BE PROTECTED FROM MOISTURE, WEATHER AND CONTAMINANTS. COATINGS, WRAPPINGS OR COVERINGS SHOULD ALLOW CIRCULATION AND NOT TRAP MOISTURE. VIEW PROPER STORAGE GUIDELINES BY CLICKING HERE.
PRESERVATIVE TREATMENT - WHEN PRESSURE-TREATED LUMBER IS REQUIRED, IT SHOULD BE TREATED ACCORDING TO APPROPRIATE AMERICAN WOOD-PRESERVERS' ASSOCIATION (AWPA) STANDARDS. QUALITY CONTROL FOR TREATING SHOULD BE DONE BY AN APPROVED INSPECTION AGENCY. EACH PIECE OF LUMBER SHOULD BE IDENTIFIED WITH A QUALITY MARK OR END TAG BEARING THE NAME OF THE INSPECTION AGENCY, APPLICABLE AWPA STANDARD, USE EXPOSURE, PRESERVATIVE USED, RETENTION LEVEL, TREATING COMPANY AND YEAR OF TREATMENT. JOBSITE FABRICATION CUTS AND BORINGS SHOULD BE FIELD TREATED WITH COPPER NAPHTHENATE HAVING A MINIMUM 2% METALLIC SOLUTION IN ACCORDANCE WITH AWPA STANDARD M4. PRODUCTS PRESERVATIVES, USES AND STANDARDS ARE DESCRIBED AT PRESSURE-TREATED SOUTHERN PINE.

TRUSS FASTENER SCHEDULE

LOCATION	UPLIFT	FASTENER	TRUSS	PLATE
ROOF TRUSS	<415 #	(1) H2.5	(5) 8d	(5) 8d
ROOF TRUSS	<905#	(1) H10	(8) 8dX1 1/2	(8) 8dX1 1/2
ROOF TRUSS	<1200#	(2) H2.5A	(10) 8d	(10) 8d
ROOF TRUSS	<905#	(1) H10	(8) 8dX1 1/2	(8) 8dX1 1/2
ROOF TRUSS	<1200#	(2) H2.5A	(10) 8d	(10) 8d
ROOF TRUSS	<1470	(1) H16	(10) 10dX1 1/2	(10) 10dX1 1/2

CONNECTION LISTING

MANUFACTURER	MODEL #	FASTENER COUNT	MAX. LOAD
SIMPSON STRONG TIE	ABU66	(12) 16d POST, (1) 5/8" ANCHOR BOLT	12000
SIMPSON STRONG TIE	H10	(8) 8d x 1 ½ TRUSS, (8) 8d x 1 ½ PLATES	905
SIMPSON STRONG TIE	HD2A	(2) 5/8" MACHINE BOLTS TO STUD, (1) 5/8" ANCHOR BOLT	2335
SIMPSON STRONG TIE	LSSU210	(10) 10d FACE, (7) 10d X 1 1/2 JOIST	1200
SIMPSON STRONG TIE	MIU1	(16) 16d FACE, (2) 10d X 1 1/2 JOIST	2460
SIMPSON STRONG TIE	PC66	(4) 16d POST FLANGE, (6) 16d BEAM FLANGE	925
SIMPSON STRONG TIE	RR	(4) 10dX1 1/2 HEADER, (4) 10dX1 1/2 RAFTER	415
SIMPSON STRONG TIE	VTC2	(4) 10d COMMON TRUSS, (5) 10dX1 1/2" VALLEY TRUSS	650

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Gary J. Gill, PE
Auth. # 9461

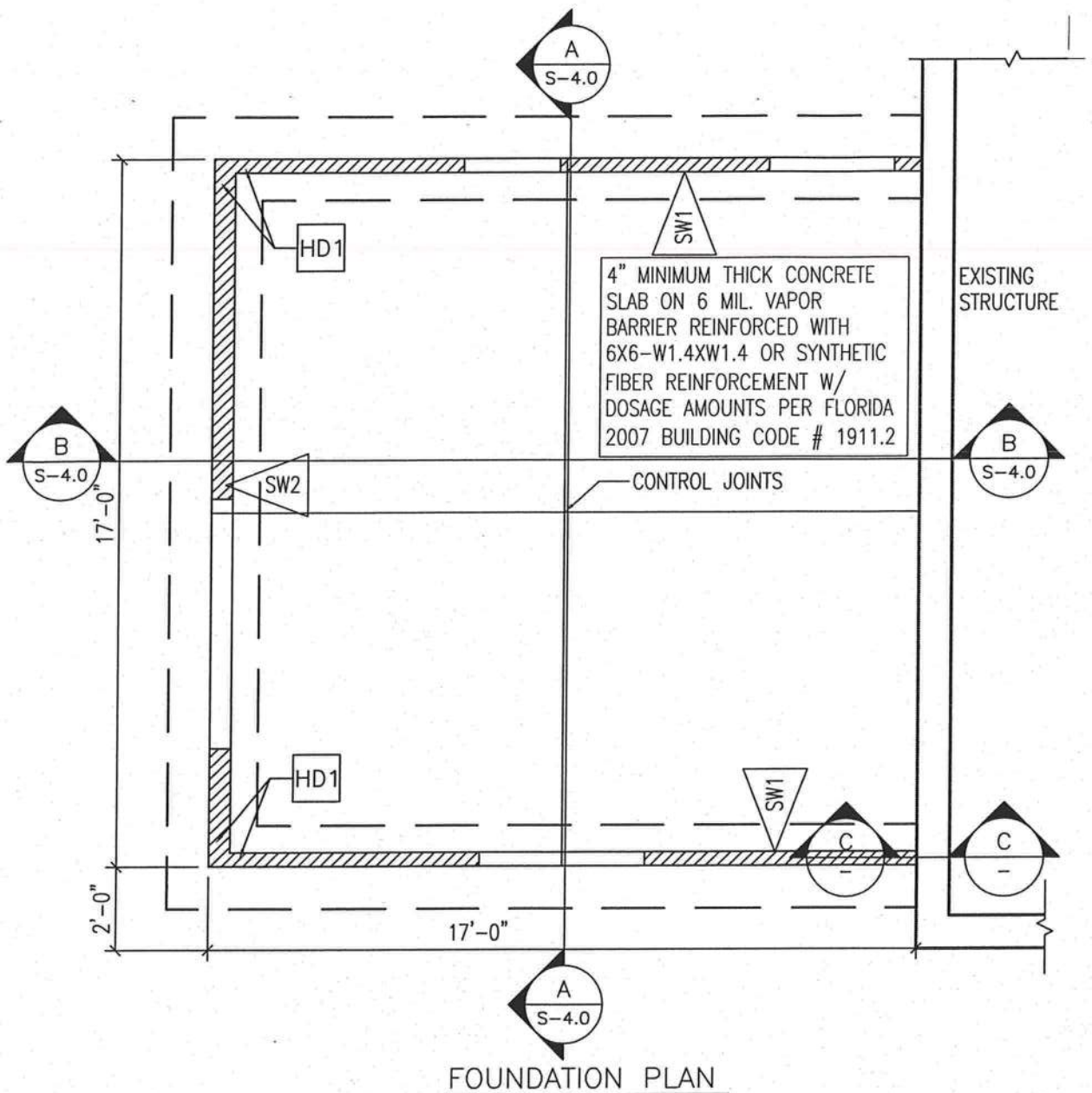
CONNIE STUART
NEW DESCRIPTION
LAKE CITY, FLORIDA

GENERAL NOTES

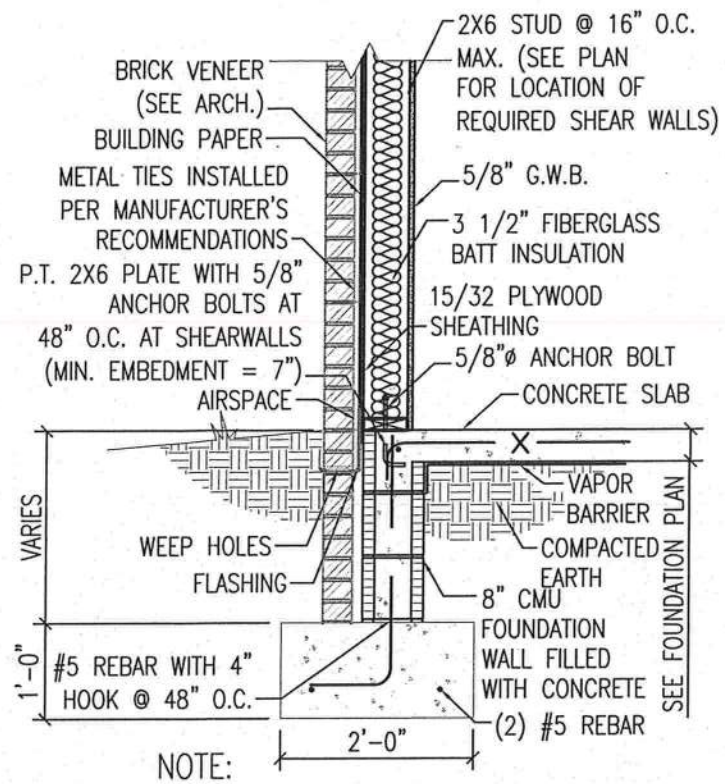
PROJECT NUMBER: PF09-026
DRAWN BY: F. VULETICH
CHECKED BY: G.J.G.

S-1.0

SHEET 2 OF 7

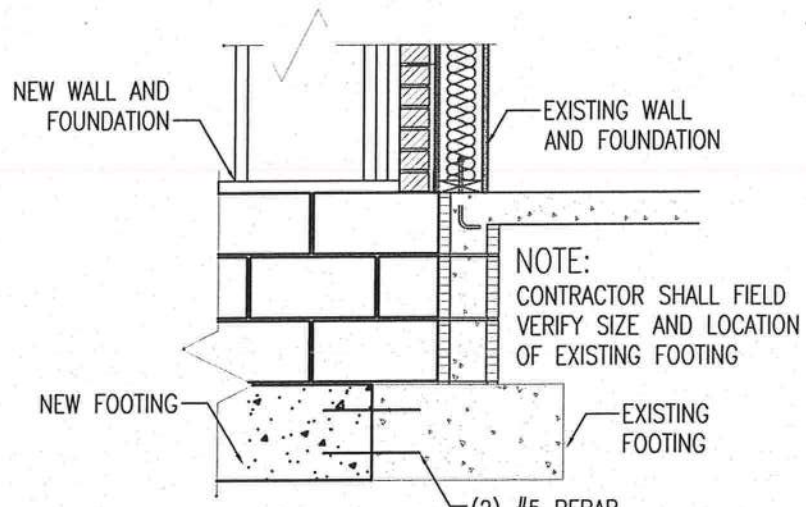


FOUNDATION PLAN
1/4" = 1'-0"

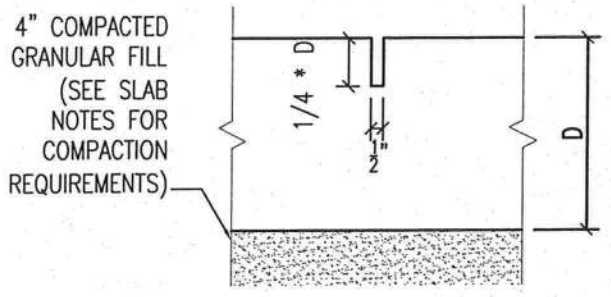


NOTE:
2X4 STUD WALL IS THE SAME AS 2X6 (SHOWN) EXCEPT REPLACE STUDS AND PLATES WITH 2X4

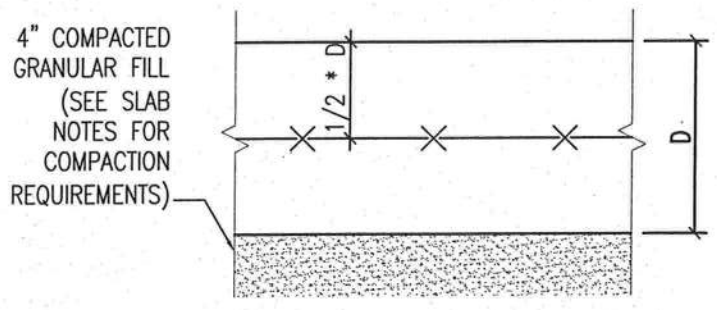
STEMWALL SECTION
1/2" = 1'-0"



C SECTION
1/8" = 1'-0"

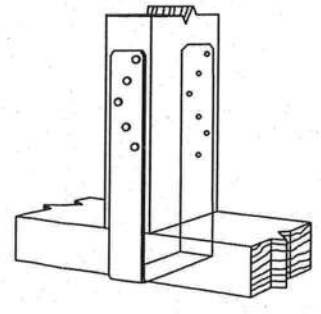


CONTROL JOINT DETAIL
3" = 1'



SLAB REINFORCEMENT DETAIL
3" = 1'

SHEARWALL SCHEDULE				
MARK	NAILING PATTERN	HOLDOWN REQUIREMENT	ANCHOR BOLTS SPACING	REMARKS
SW1	8d NAILS @ 4" O.C. EDGES AND 8" O.C. FIELD	SIMPSON HD2A W/ 5/8" A.B. @ EA. END OF SHEAR	5/8"ø @ 48" O.C.	2X4 STUDS @ 16" O.C. WITH 15/32 PLYWOOD SHEATHING
SW2	8d NAILS @ 4" O.C. EDGES AND 8" O.C. FIELD	SIMPSON HD2A W/ 5/8" A.B. @ EA. END OF SHEAR	5/8"ø @ 48" O.C.	2X6 STUDS @ 16" O.C. WITH 15/32 PLYWOOD SHEATHING



SIMPSON SPH
STUD PLATE TIE

*NOTES:

(1) HD1 = SIMPSON STRONG-TIE HD2A HOLD DOWN

(2) CONTRACTOR SHALL VERIFY ALL FOUNDATION DIMENSIONS PRIOR TO CONSTRUCTION. IF A DIMENSION CONFLICT OCCURS BETWEEN FLOOR PLAN AND THE FOUNDATION PLAN, THE FLOOR PLAN SHALL CONTROL.

(3) ADDED FILL SHALL BE APPLIED IN 8" LIFTS. EACH LIFT SHALL BE COMPACTED TO 90% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

(4) ▨ = SHEAR WALL

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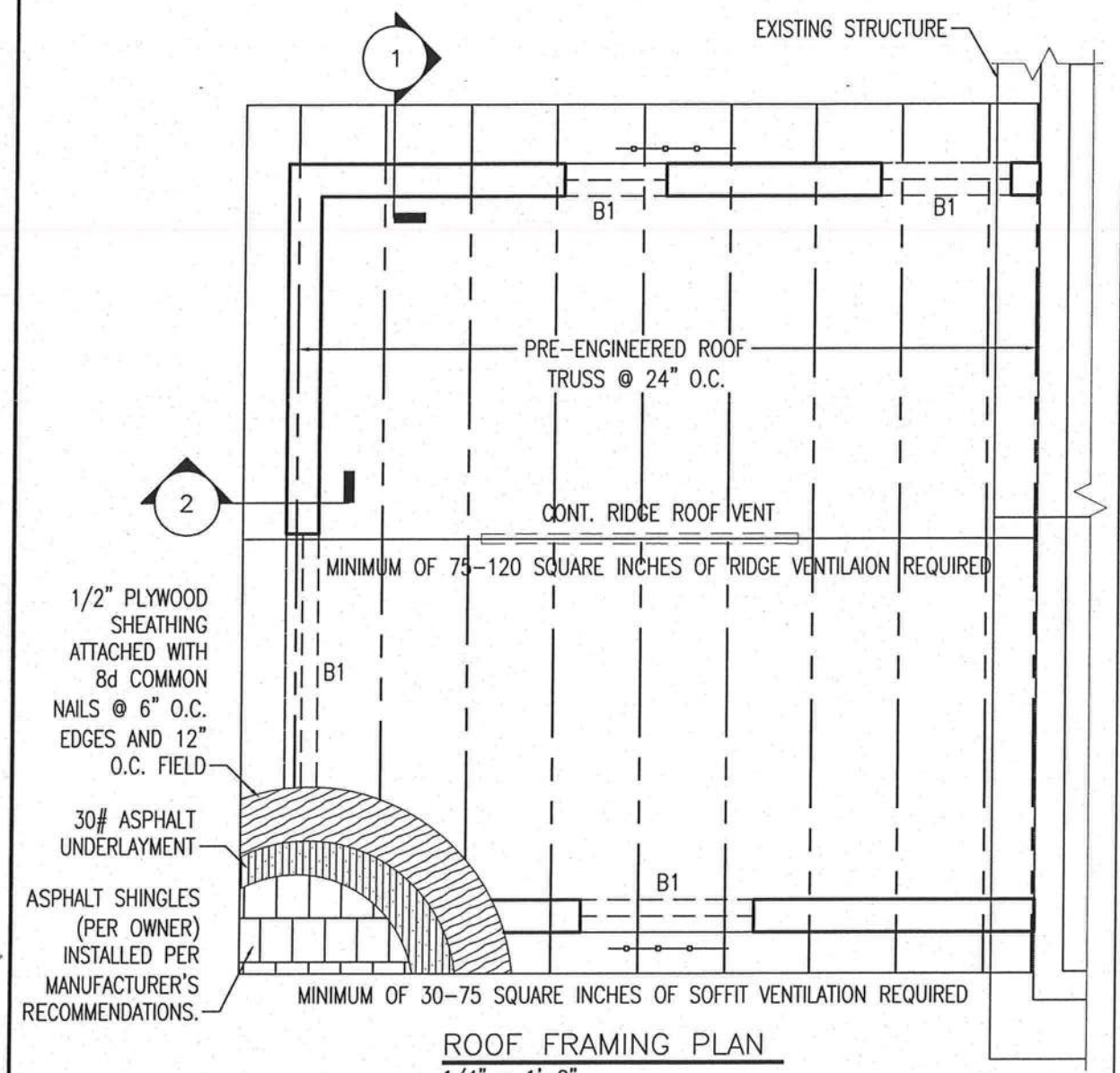
CONNIE STUART
NEW DESCRIPTION
LAKE CITY, FLORIDA

FOUNDATION PLAN

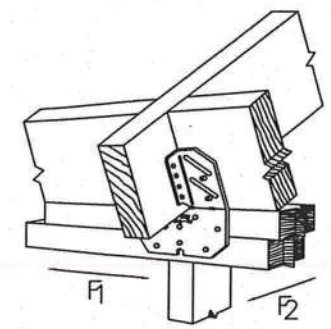
PROJECT NUMBER PF09-026
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

S-2.0

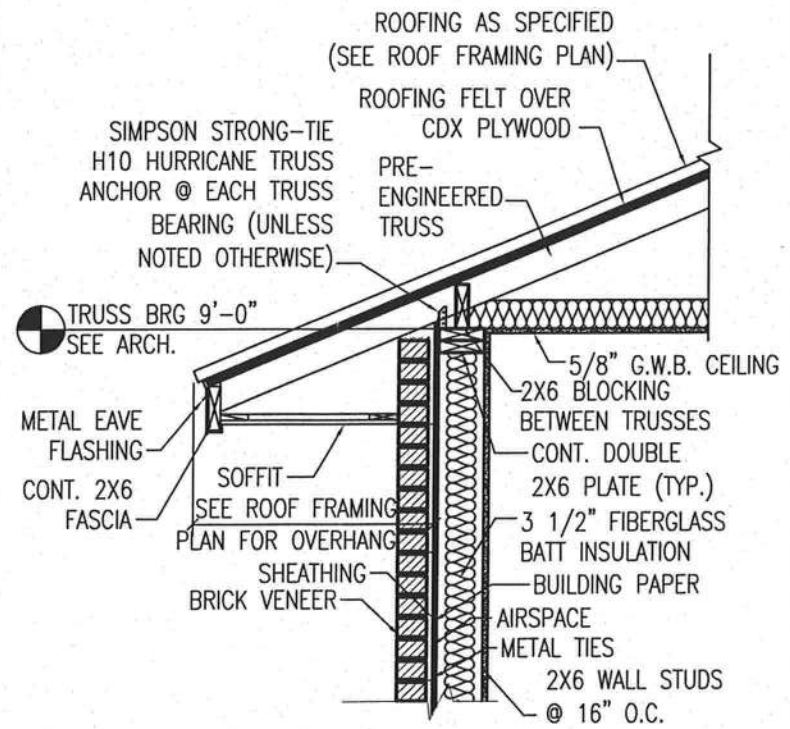
SHEET 3 OF 7



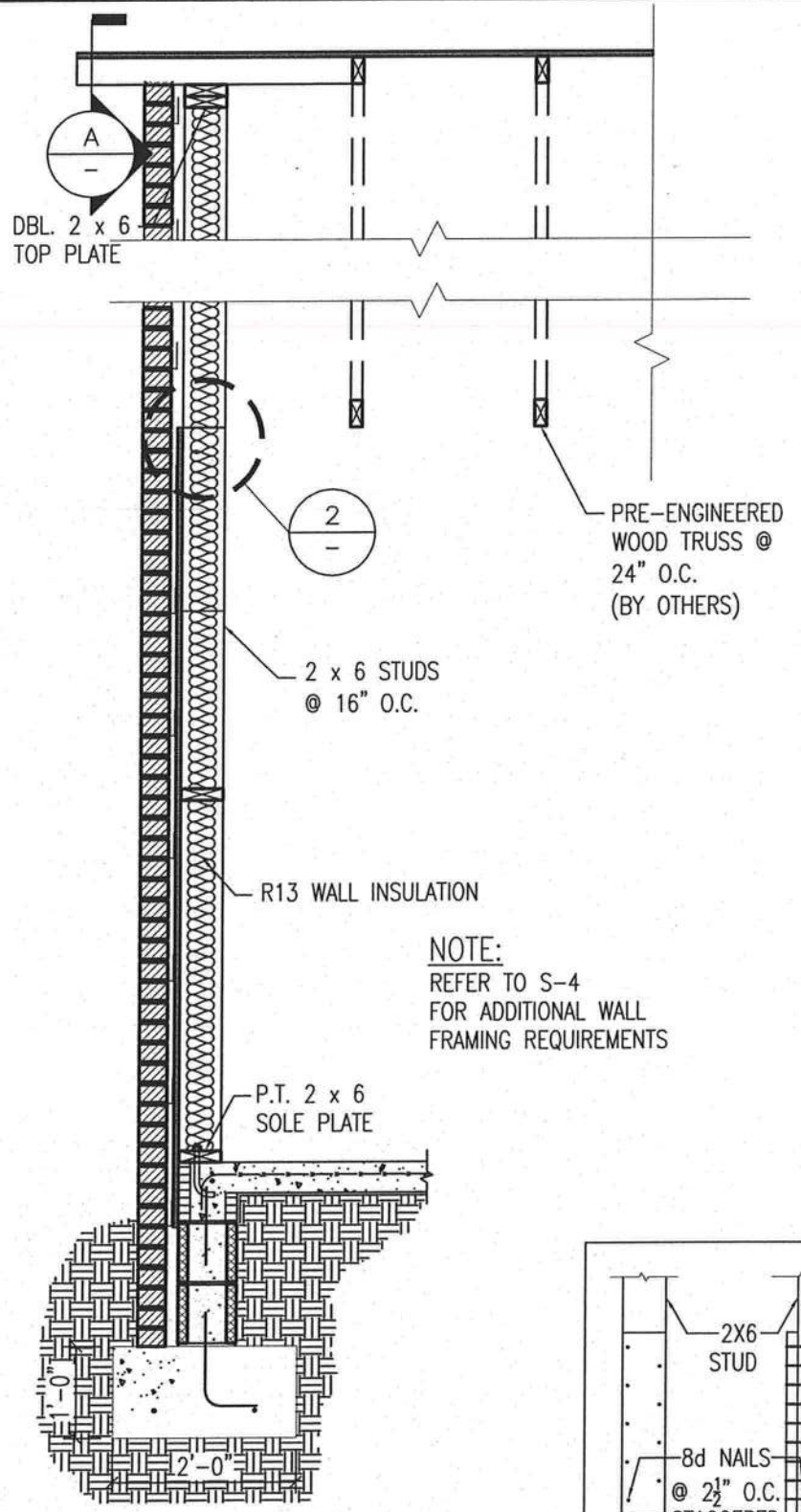
ROOF FRAMING PLAN
1/4" = 1'-0"



SIMPSON STRONG-TIE H10



1 SECTION
1/2" = 1'



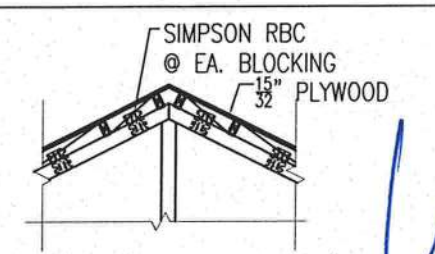
TYPICAL GABLE END DETAIL
1/8" = 1'-0"

BEAM SCHEDULE	
I.D.	DESCRIPTION
B1	(2) 2 X 10 W/ $\frac{1}{2}$" PLYWOOD

NOTES:
(1) TYPICAL ROOF TRUSS BEARING @ EL 9'-0". USE 1/2" APA 24/0 CD EXP1 PLYWOOD ON ALL ROOF COMPONANTS.
(2) SLOPED ROOF SHEATHING SHALL BE 1/2" CDX PLYWOOD OR 5/8" OSB NAILED @ 6' O.C. ALONG SUPPORTED EDGES W/ 8d NAILS AND 12" O.C. ALONG INTERMEDIATE FRAMING.
(3) COORDINATE LOCATION OF ALL DOORS AND WALL OPENINGS WITH ARCHITECTURAL DRAWINGS.

TRUSS FASTENER SCHEDULE

LOCATION	PLY	UPLIFT	FASTENER		NAILS REQUIRED	
			QUANTITY	ITEM #	TRUSS	PLATE
ROOF TRUSS	1	< 415 #	1	H2.5	(5) 8d	(5) 8d
	1	< 905 #	1	H10	(8) 8dX1$\frac{1}{2}$	(8) 8dX1$\frac{1}{2}$
	1	< 1200 #	2	H2.5	(10) 8d	(10) 8d
	2	< 870 #	1	H10S	(8) 8dX1$\frac{1}{2}$	(8) 8dX1$\frac{1}{2}$
	2	< 2150 #	1	LGT2	(14) 16d SINKERS	(16) 16d SINKERS
	3	< 3685 #	1	LGT3-SDS2.5	(26) 16d SINKERS	(12) SDS $\frac{1}{4}$"X2$\frac{1}{2}$"



A SECTION
1/4" = 1'-0"

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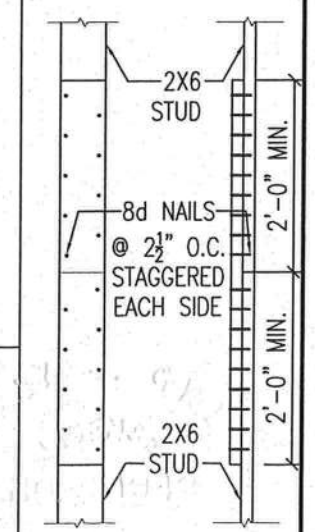

2 DETAIL
1/2" = 1'-0"

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CONNIE STUART
NEW DESCRIPTION
LAKE CITY, FLORIDA

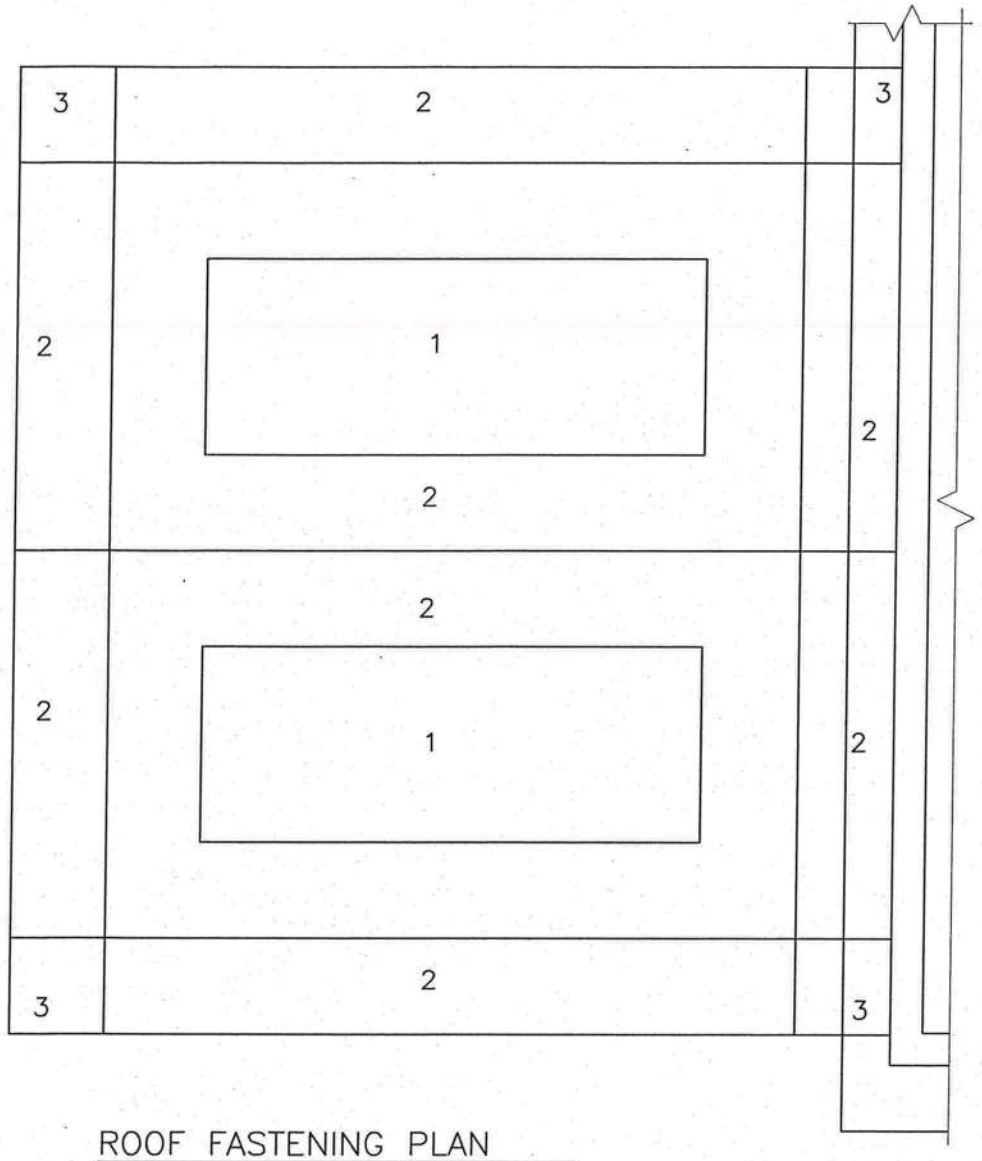
ROOF FRAMING PLAN

PROJECT NUMBER PF09-026
DRAWN BY F. VULETICH
CHECKED BY G.J.G.

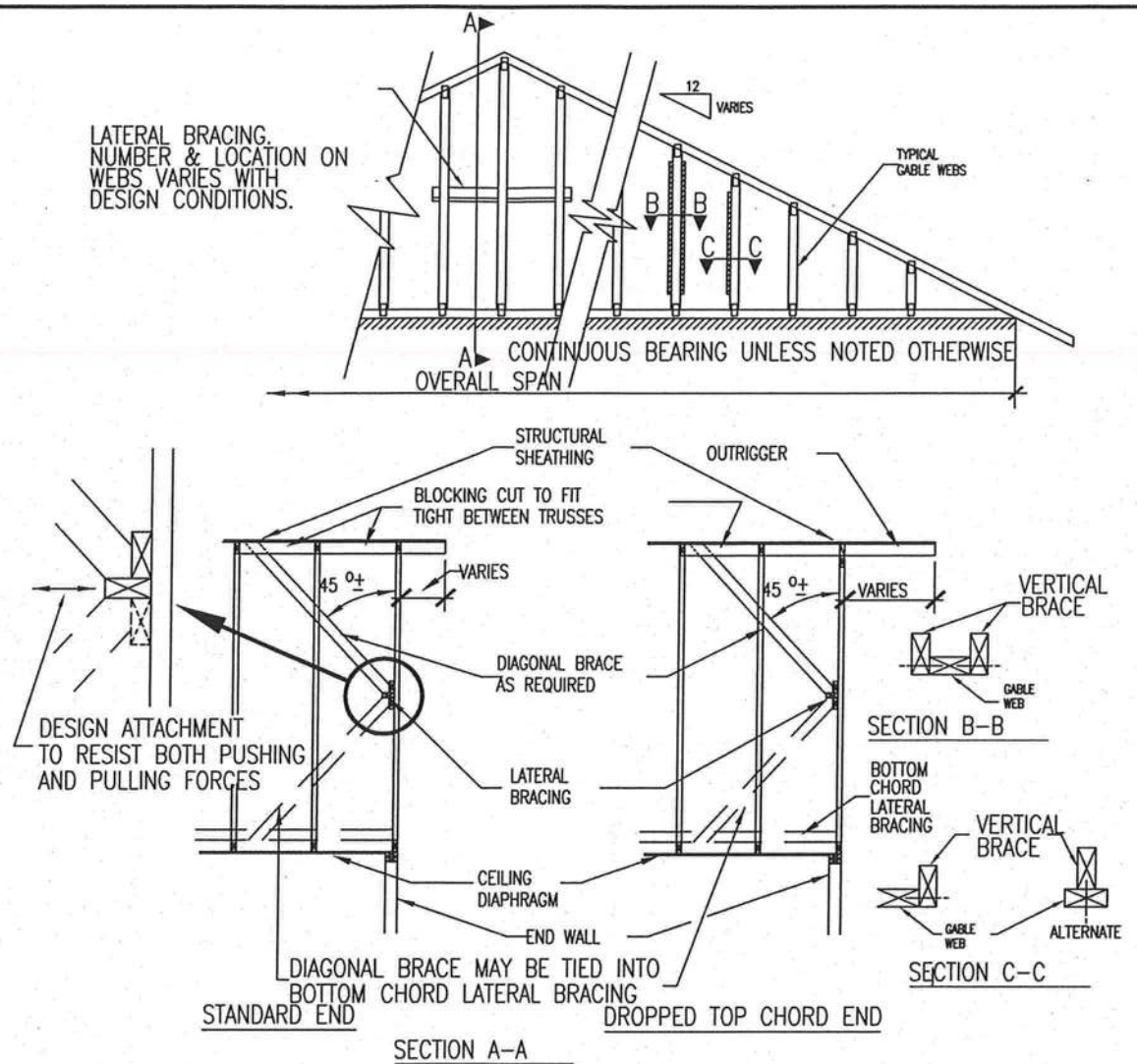
S-3.0

SHEET 4 OF 7

16-Mar-09

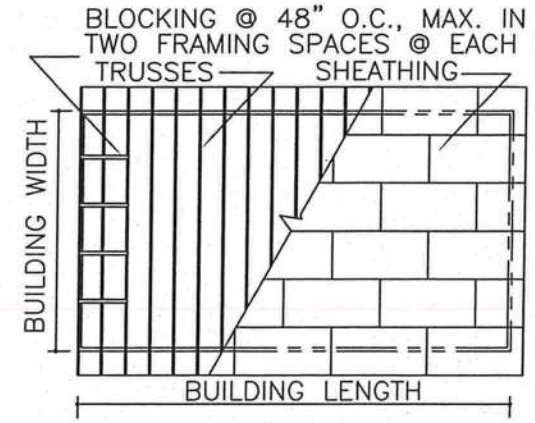


ROOF FASTENING PLAN
1/4" = 1'-0"



NOTES:

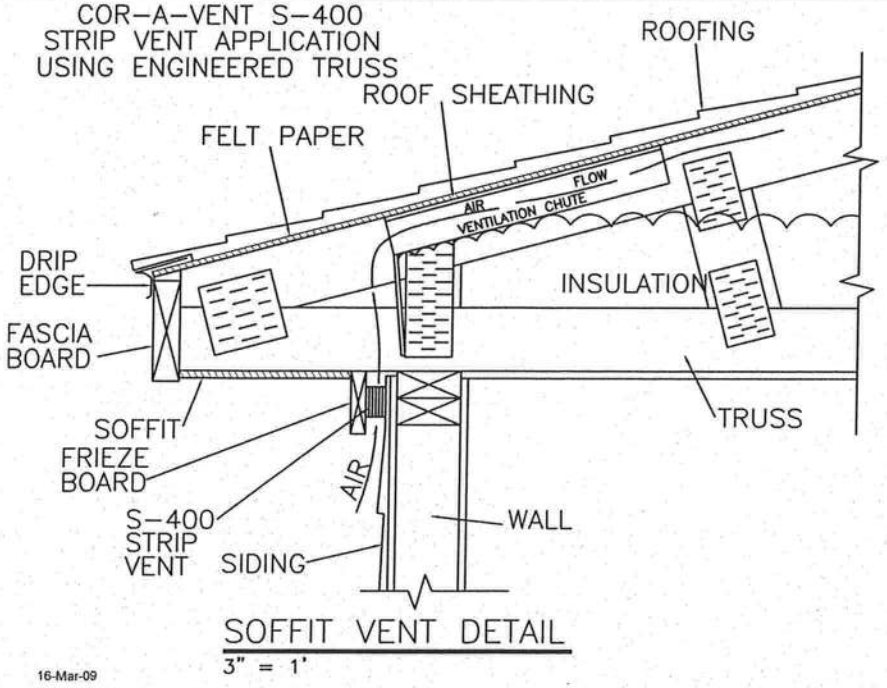
1) ACTUAL BRACING REQUIREMENTS WILL VARY DUE TO WIND LOAD, CODE CRITERIA, BUILDING HEIGHT, TRUSS SPAN, WEB LUMBER GRADE/SPECIES/ON CENTER SPACING AND OTHER VARIABLES. BRACING (AND ATTACHMENT) REQUIREMENTS SHOULD BE DESIGNED FOR EACH SPECIFIC JOB.
2) CONNECTION BETWEEN BOTTOM CHORD OF GABLE END TRUSS AND WALL, AS WELL AS THE DESIGN AND SPECIFICATION OF TEMPORARY AND PERMANENT BRACING OF THE ROOF SYSTEM IS THE RESPONSIBILITY OF THE BUILDING DESIGNER.



ROOF SHEATHING LAYOUT AND ENDWALL ROOF BRACING

ROOF FASTENING ZONE

WIND VELOCITY (3 SECOND GUST) 120 MPH		MAIN ROOF			SHEATING–TO –GABLE–END– WALL FRAMING		OVERHANG (EAVES)	
	PANEL LOCATION	1	2	3	2	3	2	3
		FASTENING SCHEDULE (INCHES ON CENTER)						
	SUPPORTED PANEL END AND EDGES	6	6	6	3	3	6	6
	PANEL FIELD	12	6	4	3	3	6	4



SOFFIT VENT DETAIL
3" = 1'

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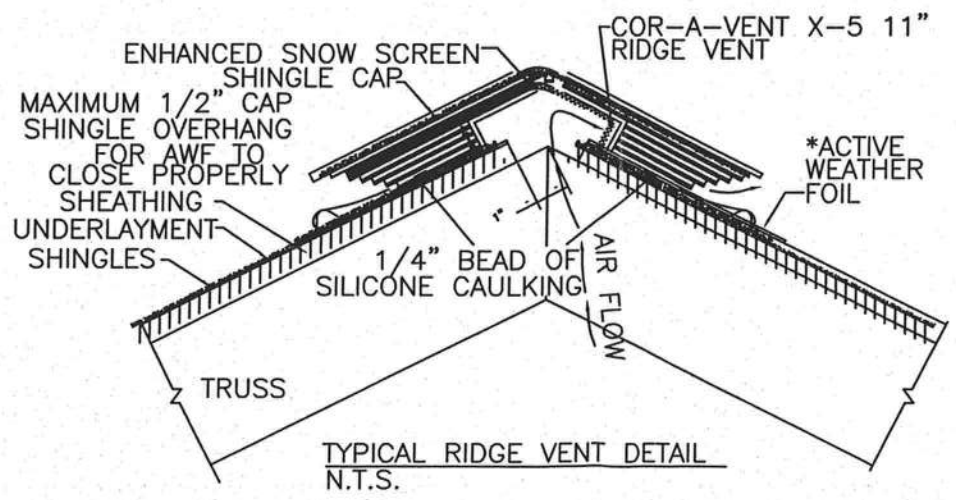
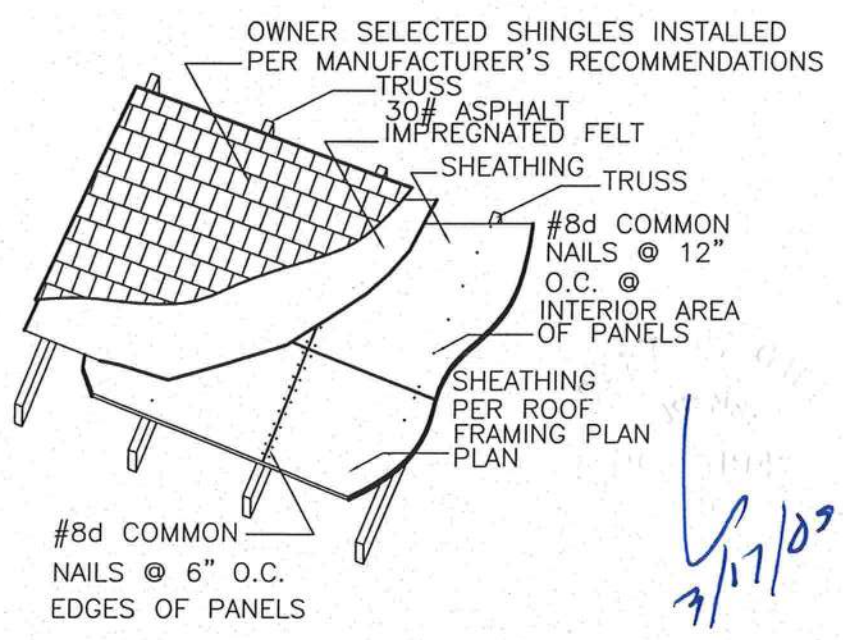


TYPICAL RIDGE VENT DETAIL
N.T.S.



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ROOFING & SHEATHING CONNECTIONS TO TRUSSES

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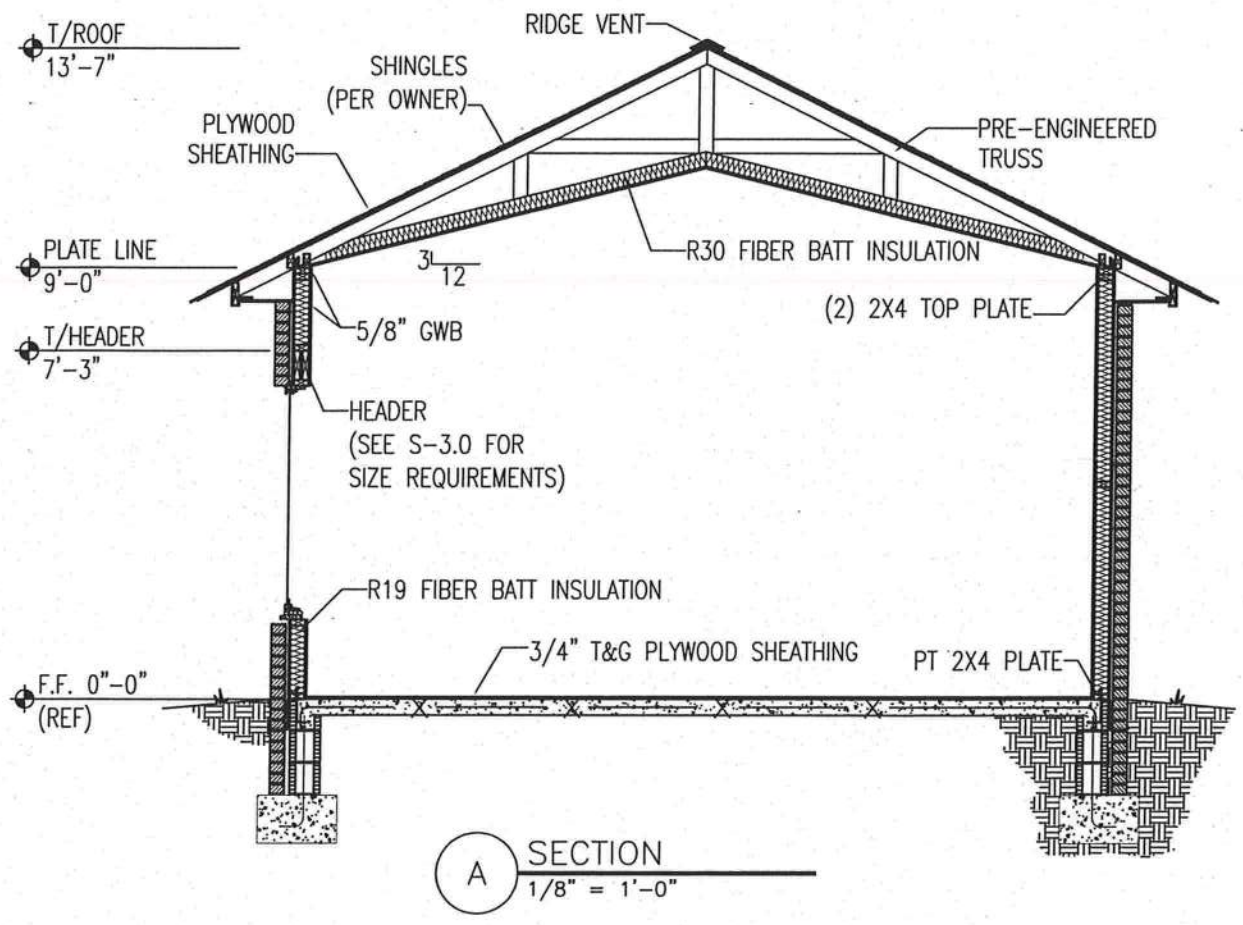
CONNIE STUART
NEW DESCRIPTION
LAKE CITY, FLORIDA

ROOF FASTENING PLAN

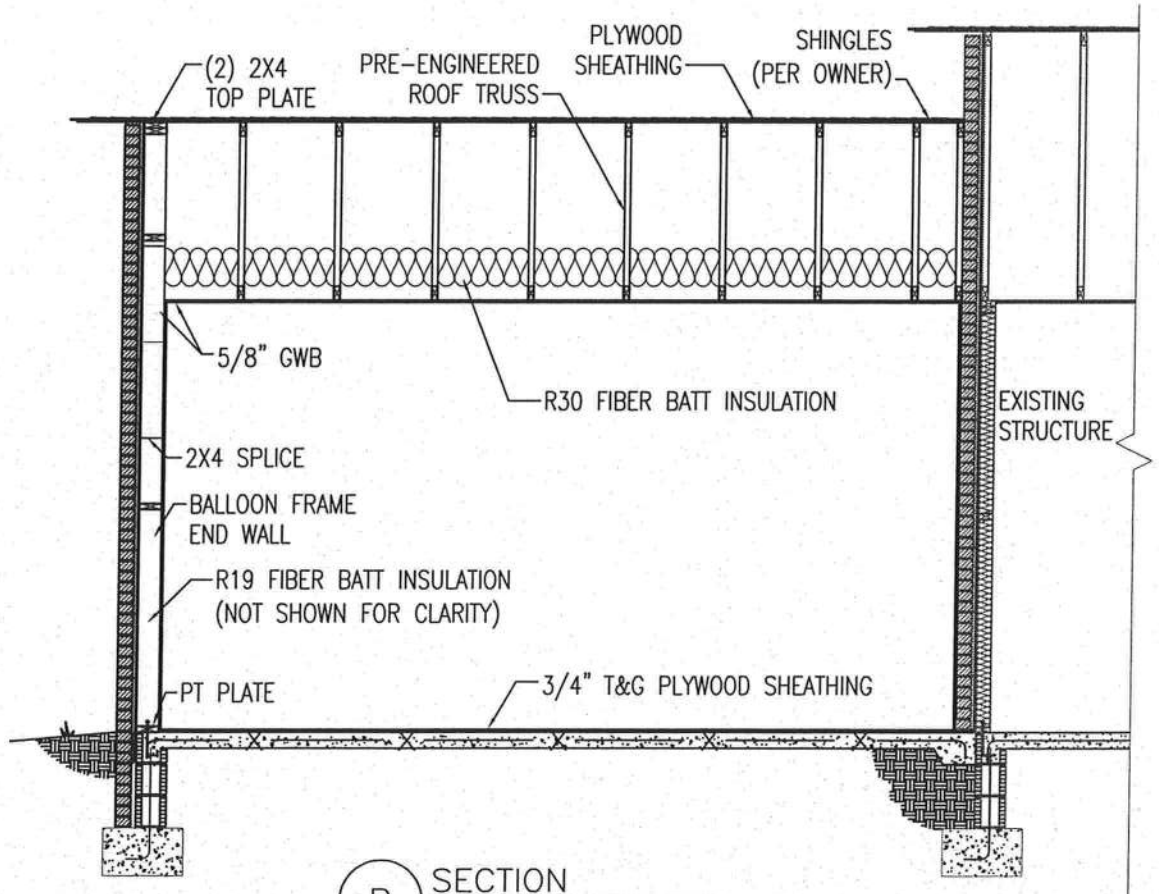
PROJECT NUMBER: PF09-026
DRAWN BY: F. VULETICH
CHECKED BY: G.J.G.

S-3.1

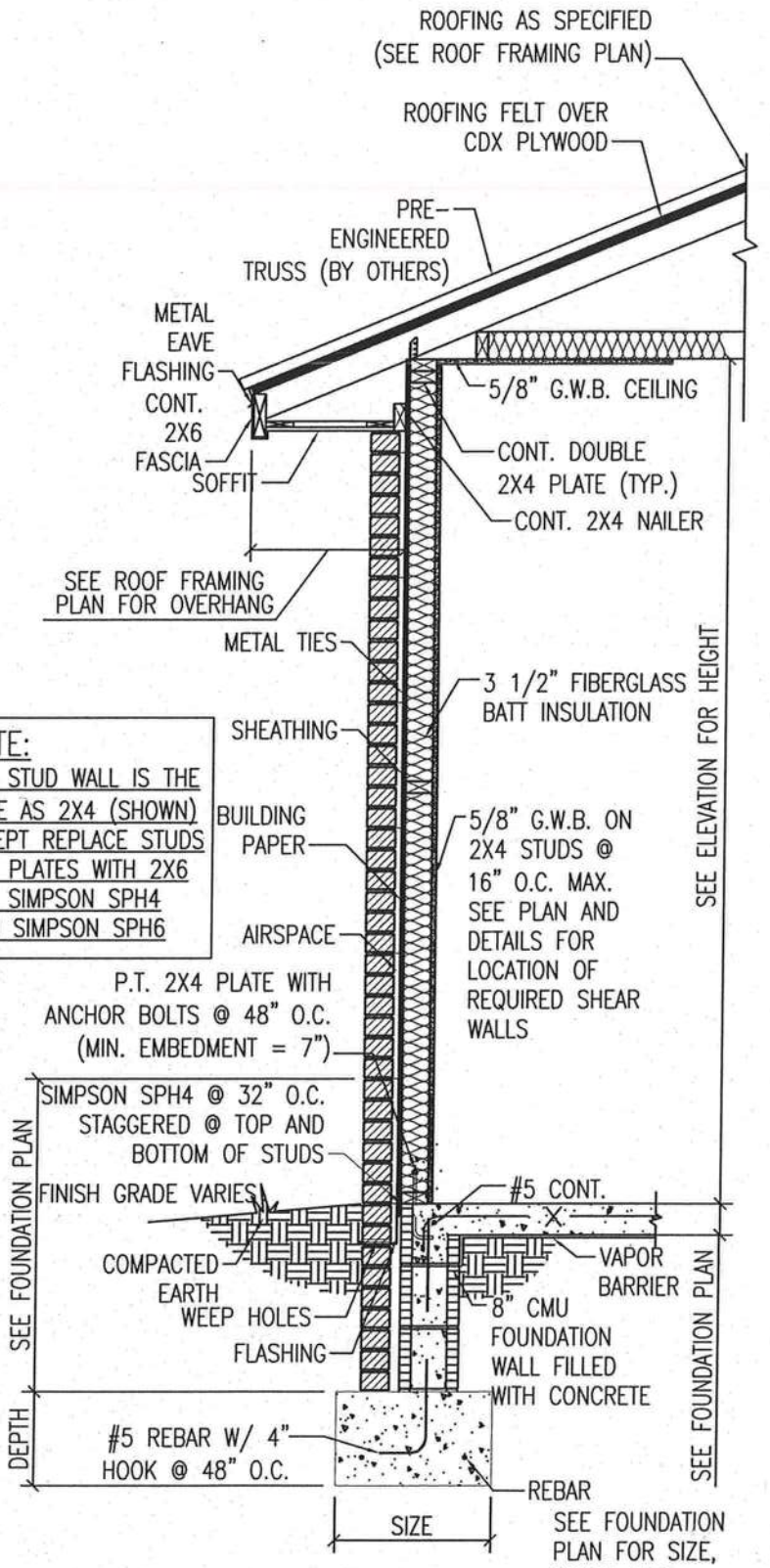
SHEET 5 OF 7



A SECTION
1/8" = 1'-0"



B SECTION
1/8" = 1'-0"



NOTE:
2X6 STUD WALL IS THE SAME AS 2X4 (SHOWN) EXCEPT REPLACE STUDS AND PLATES WITH 2X6 AND SIMPSON SPH4 WITH SIMPSON SPH6

WALL SECTION (TYP.)
1/2" = 1'

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16-Mar-09

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SECTIONS

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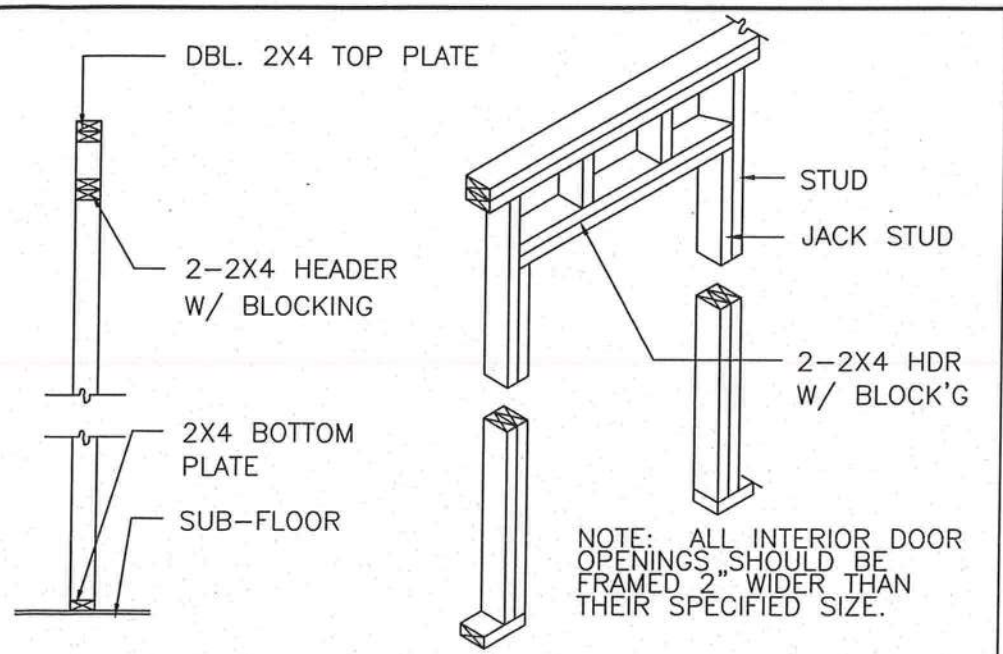
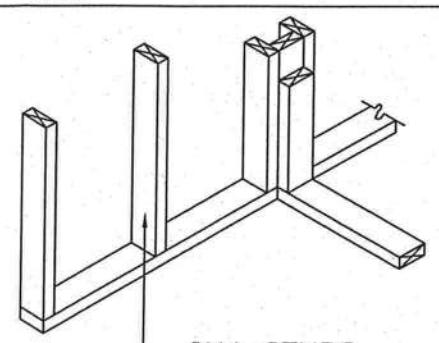
S-4.0



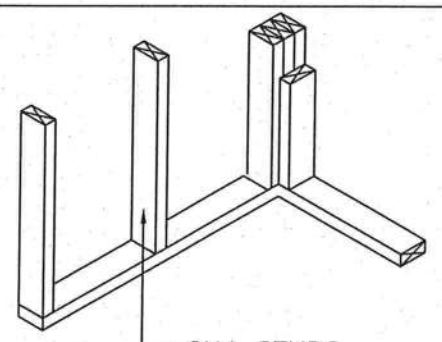
NOTE: ALL INTERIOR DOOR OPENINGS SHOULD BE FRAMED 2" WIDER THAN THEIR SPECIFIED SIZE.

NON–BEARING WALL HEADER

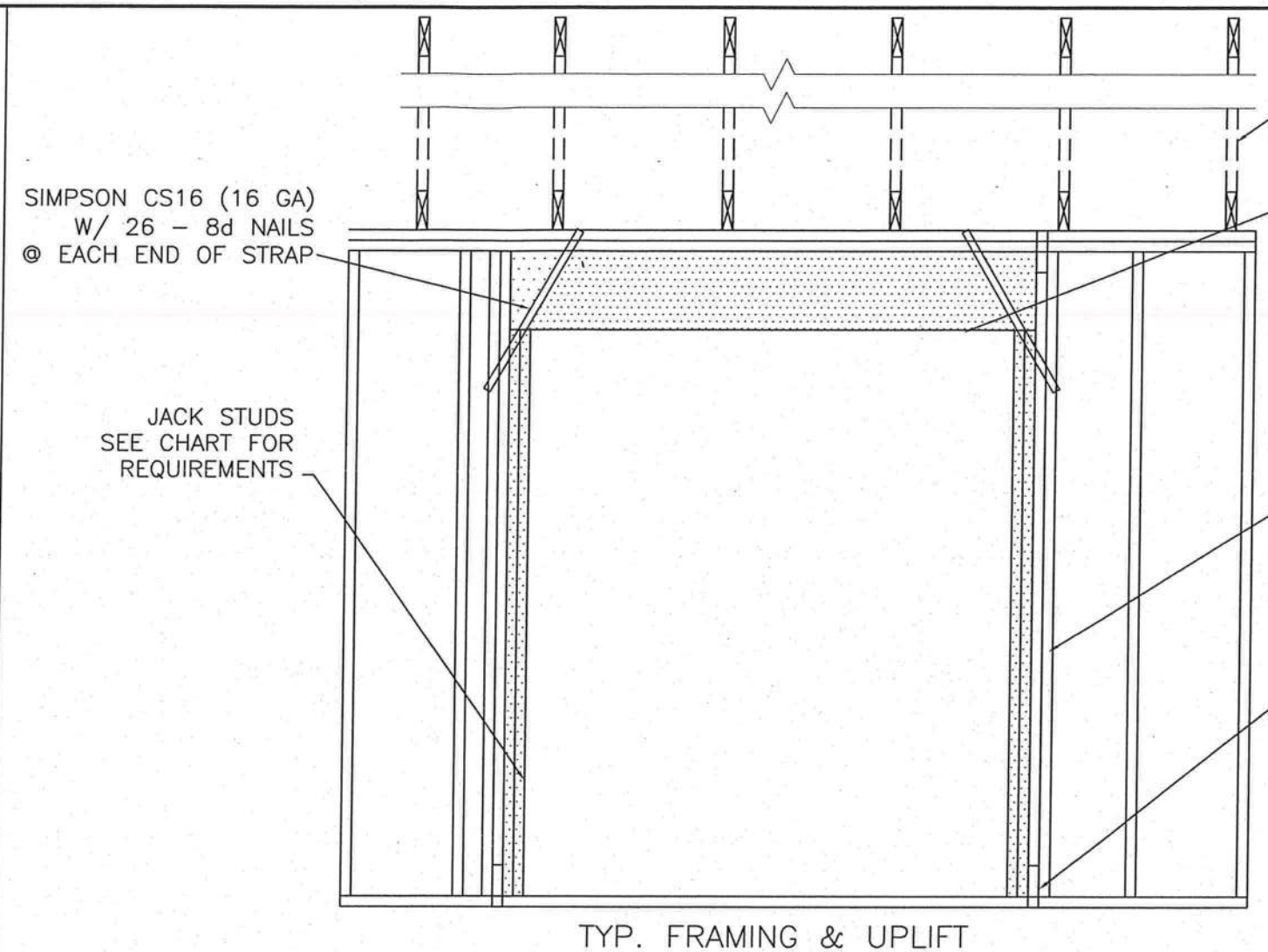
N.T.S.



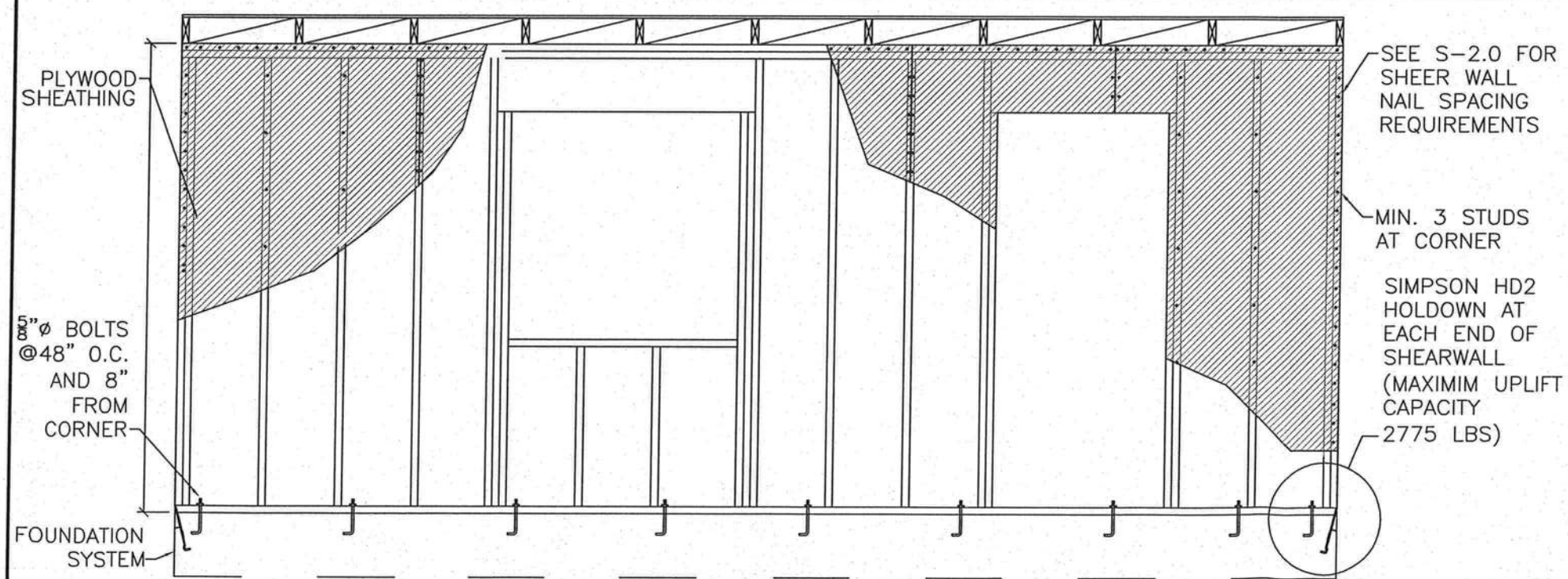
WALL INTERSECTION



WALL CORNER



TYP. FRAMING & UPLIFT
CONNECTIONS FOR OPENINGS



TYPICAL PERFORATED SHEARWALL

N.T.S.

16-Mar-09

HEADER SPANS FOR EXTERIOR BEARING WALLS

SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT) 20' SPAN	20' JACKS	28' SPAN	28' JACKS	36' SPAN	36' JACKS
ROOF, CEILING	2–2x4	3'–6"	1	3'–2"	1	2'–10"	1
	2–2x6	5'–5"	1	4'–8"	1	4'–2"	1
	2–2x8	6'–10"	1	5'–11"	2	5'–4"	1
	2–2x10	8'–5"	2	7'–3"	2	6'–6"	2
	2–2x12	9'–9"	2	8'–5"	2	7'–6"	2
	3–2x8	8'–4"	1	7'–5"	1	6'–8"	1
	3–2x10	10'–6"	1	9'–1"	2	8'–2"	1
	3–2x12	12'–2"	2	10'–7"	2	9'–5"	2
	4–2x8	9'–2"	1	8'–4"	1	9'–2"	1
	4–2x10	11'–8"	1	10'–6"	1	9'–5"	1
	4–2x12	14'–1"	1	12'–2"	2	10'–11"	1

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DETAILS

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S-5.0

SHEET 7 OF 7