DATE 02/25/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028390

APPLICANT JANE BLAIS PHONE 386 454-7562

ADDRESS 293 SE RIVER BEND LOOP HIGH SPRINGS FL 32643

OWNER JANE BLAIS PHONE 386 454-7562

ADDRESS 184 SE RIVER BEND LOOP HIGH SPRINGS FL 32643

CONTRACTOR JANE BLAIS PHONE

LOCATION OF PROPERTY 441S, TL RIVERVIEW CIRCLE, TR RIVER BEND LOOP, ALL THE WAY TO RIVER

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 113000.00

HEATED FLOOR AREA 1500.00 TOTAL AREA 1500.00 HEIGHT STORIES 1

FOUNDATION WALLS FRAMED ROOF PITCH 10/12 FLOOR

LAND USE & ZONING ESA MAX. HEIGHT

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

NO. EX.D.U. 1 FLOOD ZONE AE DEVELOPMENT PERMIT NO. 10-002

PARCEL ID 27-7S-17-10055-002 SUBDIVISION

LOT BLOCK PHASE UNIT 0 TOTAL ACRES 41.00

Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor
EXISTING	10-0036	BK	HD	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: NOC ON FILE, MFE @ 48.4, ELEVATION CERTIFICATE NEEDED, INCLUDING EQUIPMENT BEFORE POWER

Check # or Cash 1586

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 $ 565.00 CERTIFICATION FEE $ 7.50 SURCHARGE FEE $ 7.50

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

FLOOD DEVELOPMENT FEE $ 50.00 FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 705.00

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.

10-002

Columbia County Building Permit Application ☑ "ZERO RISE"

For Office Use Only Application # 1002-08 Date Received 2/5 By JW Permit # 28390

Zoning Official BLK Date 18.02.10 Flood Zone AE Land Use ESA Zoning ESA-2

FEMA Map # 0551C Elevation 47.4' MFE 48.4' River Santa Fe Plans Examiner HD Date 2-24-10

Comments Elevation Cert. ~~Driveway~~ required before power.

☑ 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 ☒ SUSPENDED ☑ "SRWMD"

Septic Permit No. 10-0036 Fax ____

Name Authorized Person Signing Permit JANE BLAIS Phone 386 454 7562

Address 293 SE River Bend Loop High Springs, Fl. 32643

Owners Name Jane Blais Phone 386 454 7562

911 Address 184 SE, River Bend Loop, High Springs, Fl 32643

Contractors Name Suwannee River Log Homes Phone 386 963 5417

Address Hwy 90 Wellborn, FL, 32094

Fee Simple Owner Name & Address Jane Blais 184 SE River Bend Loop

Bonding Co. Name & Address NA

Architect/Engineer Name & Address Gary Gill, LIVE OAK

Mortgage Lenders Name & Address NA

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

Property ID Number 27-7S-17-10055-002 Estimated Cost of Construction 135,000

Subdivision Name ____ Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Hwy 441 S to Riverview Circle (L). Center road straight to River Bend Loop (R) all way to river.

Number of Existing Dwellings on Property 5

Construction of residence "S70" PRIVATE Total Acreage 41.00 Lot Size ____

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 39'

BL * SEE ATTACHED SITE PLAN

Actual Distance of Structure from Property Lines - Front 1000' Side 1100' Side 300' Rear 80'

Number of Stories 1 Heated Floor Area 1500 Total Floor Area 1500 Roof Pitch 10-12

2260 Roof Area

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.

left message 2/25/10

Columbia County Building Permit Application

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 CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

_____
Owners Signature ****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

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 License Number**_____
Contractor's Signature (Permitee) **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 Building Department
Flood Development Permit

Development Permit
F 023- 10-002

DATE 02/25/2010 BUILDING PERMIT NUMBER 000028390

APPLICANT JANE BLAIS PHONE 386 454-7562

ADDRESS 293 SE RIVER BEND LOOP HIGH SPRINGS FL 32643

OWNER JANE BLAIS PHONE 386 454-7562

ADDRESS 184 SE RIVER BEND LOOP HIGH SPRINGS FL 32643

CONTRACTOR JANE BLAIS PHONE

ADDRESS FL

SUBDIVISION Lot Block Unit 0 Phase

TYPE OF DEVELOPMENT SFD,UTILITY PARCEL ID NO. 27-7S-17-10055-002

FLOOD ZONE AE BY BK 2-4-2009 FIRM COMMUNITY # 120070 - PANEL # 551C

FIRM 100 YEAR ELEVATION 47.4' PLAN INCLUDED YES or NO

REQUIRED LOWEST HABITABLE FLOOR ELEVATION 48.4'

IN THE REGULATORY FLOODWAY YES or NO RIVER Santa Fe

SURVEYOR / ENGINEER NAME Gary Gill LICENSE NUMBER 51942

✓ ONE FOOT RISE CERTIFICATION INCLUDED

ZERO RISE CERTIFICATION INCLUDED

SRWMD PERMIT NUMBER
(INCLUDING THE ONE FOOT RISE CERTIFICATION)

DATE THE FINISHED FLOOR ELEVATION CERTIFICATE WAS PROVIDED

INSPECTED DATE BY

COMMENTS

135 NE Hernando Ave., Suite B-21
Lake City, Florida 32055
Phone: 386-758-1008
Fax: 386-758-2160

LW

10-0036

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

PERMIT # 9499948
DATE PAID 1/26/10
FEE PAID $ 370.00
RECEIPT # 133374

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

APPLICANT: JANE E BLAIS TELEPHONE: 755-6372

AGENT: Robert Ford NFST INC

MAILING ADDRESS: 580 NW Guerdon Rd

==========

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: / BLOCK: / SUBDIVISION: ~~Meg~~ River Rise Resort DATE OF SUBDIVISION:

PROPERTY ID #: 27-7S-17 R.10055-002 [Section/Township/Range/Parcel No.] ZONING:

PROPERTY SIZE: 34 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [X] PRIVATE [ ] PUBLIC

PROPERTY STREET ADDRESS: ~~252~~ SE Resort Loop

DIRECTIONS TO PROPERTY: 441 SOUTH to Riverview Circle TL follow to Right SITE AT END

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	Log Cabin	1	1500	1	
2					
3					
4	Held for 2nd level approval, rec'd 2-9-10.				

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

APPLICANT'S SIGNATURE: Robert W Ford DATE: 1-15-10

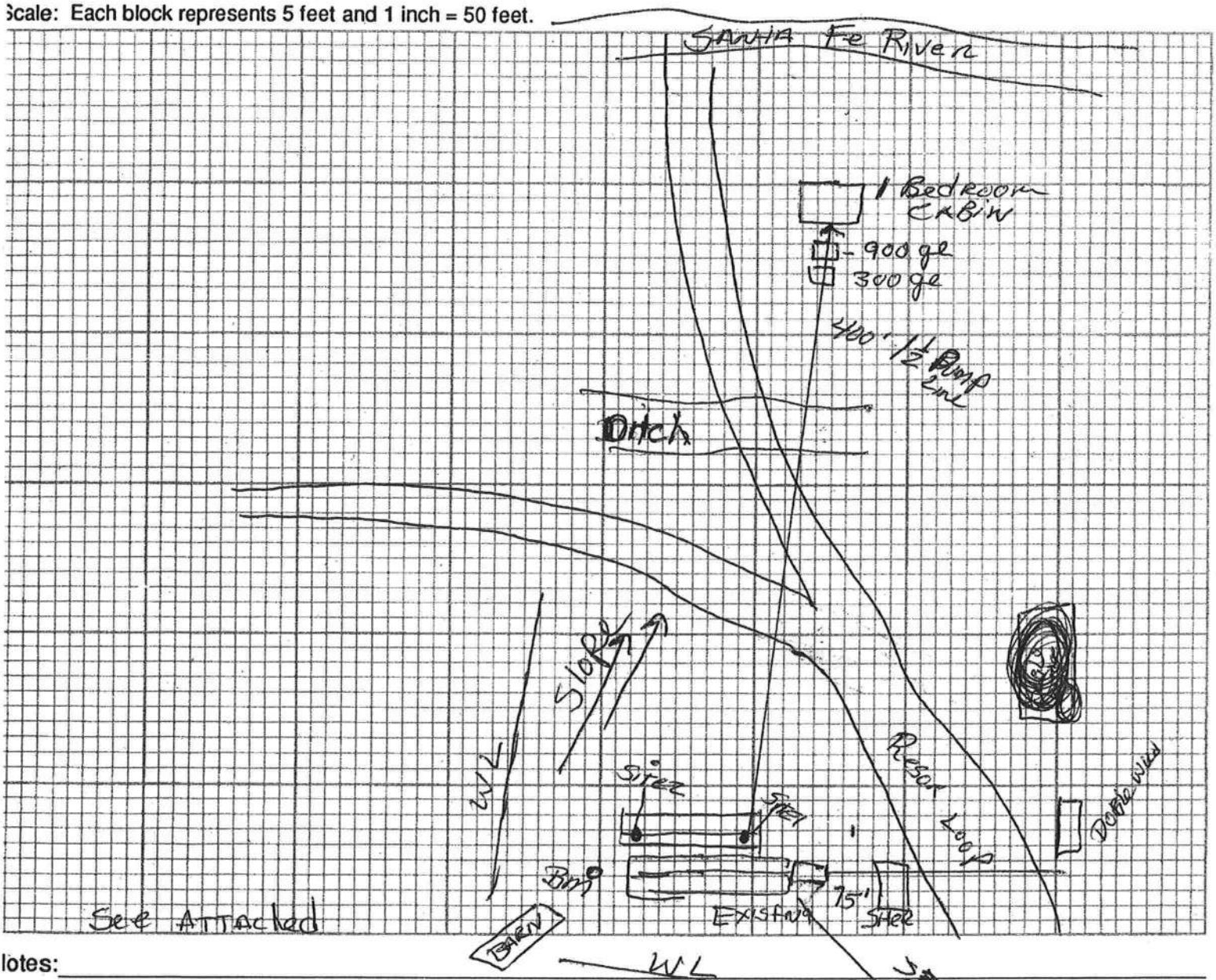
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 10-0036

PART II - SITE PLAN

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



Notes:

Jane E Blais

River Rise Resort

27-7S-17-10055-002

Site Plan submitted by: Robert W. Ford Agent
Signature Title

Plan Approved ✓ Not Approved ____ Date 2-8-10

By Sallie Ford. EH Director. Columbia CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Inst:201012001764 Date:2/5/2010 Time:1:14 PM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1188 P:1934

NOTICE OF COMMENCEMENT

See. 27-7S-17

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number R10055-002

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)*: → COMM NW COR, RUN E 100 FT TO E R/W US-41, S ALONG R/W 416 FT FOR POB, E 937.22 FT, S 98.42 FT, E 172.60 FT, S 39 DG E 100 See Tax Roll for extra legal.
   a) Street *(job)* Address: 184 SE Riverbend Loop
2. General description of improvements: none yet
3. Owner Information
   a) Name and address: Jane Blais
   b) Name and address of fee simple titleholder (if other than owner) same
   c) Interest in property
4. Contractor Information
   a) Name and address: Suwannee River Log Homes
   b) Telephone No.: 386 963 5417 Fax No. (Opt.)
5. Surety Information
   a) Name and address: NA
   b) Amount of Bond: VOID
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address:
   b) Phone No.: VOID
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.: Fax No. (Opt.)
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:
   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

JANE BLAIS
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 5th day of February, 20 10, by: JANE BLAIS as OWNER of PROPERTY (type of authority, e.g. officer, trustee, attorney fact) for JANE BLAIS (name of party on behalf of whom instrument was executed).

Personally Known ____ OR Produced Identification ✓ Type DL

Notary Signature Gale Tedder Notary Stamp or Seal

GALE TEDDER
MY COMMISSION # DD 805698
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

—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.)

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 12/14/2009 **DATE ISSUED:** 12/18/2009

ENHANCED 9-1-1 ADDRESS:

184 SE RIVERBEND LOOP

HIGH SPRINGS FL 32643

PROPERTY APPRAISER PARCEL NUMBER:

27-7S-17-10055-002

Remarks:

~~ROAD NAME PENDING~~

Correct per Ron Croft

2/26/10

Address Issued By: _____

Columbia County 9-1-1 Addressing / GIS Department

NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.

1607

Corporate Warranty Deed

This Indenture, made this 8th day of May
A.D. 2002 . **Between**
Santa Fe River Resort & Campground, Inc.

whose post office address is: 114 SE 1st Street, #9
Gainesville, Florida 32601

a corporation existing under the laws of the
State of Florida , Grantor and
Janc E. Blais

whose post office address is: Rt 1. Box 3510
Fort White, Florida 32038
Grantees' Tax Id # :

Grantee,

Witnesseth, that the said Grantor, for and in consideration of the sum of (Ten & NO/100) Dollars, to it in hand paid by the said Grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said Grantee forever, the following described land, situate, lying and being in the County of Columbia , State of Florida, to wit:

See Schedule A attached hereto and by this reference made a part hereof.

Inst:2002009631 Date:05/14/2002 Time:09:00:09
Doc Stamp-Deed : 2375.00
DC,P.DeWitt Cason,Columbia County B:953 P:1067

Subject to covenants, restrictions and easements of record.
Subject also to taxes for 2001 and subsequent years.
Parcel Identification Number: R10055-002

And the said Grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, the said Grantor has caused this instrument to be executed in its name by its duly authorized officer and caused its corporate seal to be affixed the day and year first above written.

Santa Fe River Resort & Campground, Inc.

By: William B. Scheel
Its President

Signed and Sealed in Our Presence:

Witness Print Name PATRICIA A MOSER

Witness Print Name MARY T. DOTSON

(Corporate Seal)

State of Florida
County of Alachua

The foregoing instrument was acknowledged before me this 8th day of May , 2002 , by William B. Scheel, President of Santa Fe River Resort & Campground, Inc.

a corporation existing under the laws of the State of Florida , on behalf of the corporation. He/She is personally known to me or has produced valid drivers license as identification.

PREPARED BY: Mary T. Dotson
RECORD & RETURN TO:
Alachua Title Services, LLC
16407 Northwest 174th Drive
Alachua, Florida 32615
File No: 02-055

Notary Public
Print Name: Mary T.
My Commission Expires:

OFFICIAL NOTARY SEAL
MARY T DOTSON
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. CC890398
MY COMMISSION EXP. DEC. 19,2003

CWD-1
6/99

Inst:2002009631 Date:05/14/2002 Time:09:06:09
Doc Stamp-Deed : 2975.00
DC,P.DeWitt Cason,Columbia County B:953 P:1049

EXHIBIT "A"

LEGAL DESCRIPTION

Commence at the Northwest corner of Section 27, Township 7 South, Range 17 East, Columbia County, Florida and run North 88 deg. 29 min. 22 sec. East along the North line of said Section 27 a distance of 100.00 feet to a point on the Easterly Right-of-Way line of U.S. Highway No. 41 (State Road No. 25); thence South 01 deg. 52 min. 52 sec. East along said Easterly Right-of-Way line 416.00 feet to the POINT OF BEGINNING; thence North 88 deg. 29 min. 22 sec. East parallel with the North line of said Section 27 a distance of 937.22 feet to a point on the Westerly line of "RIVER VIEW" a proposed Subdivision; thence South 00 deg. 11 min. 12 sec. East still along said Westerly line 98.42 feet; thence South 83 deg. 20 min. 21 sec. East still along said Westerly line 172.60 feet; thence South 39 deg. 45 min. 00 sec. East still along said Westerly line 100.00 feet; thence South 50 deg. 15 min. 00 sec. West still along said Westerly line 174.37 feet to a Concrete Monument (PRM 7); thence South 50 deg. 42 min. 25 sec. East still along said Westerly line 50.93 feet; thence South 53 deg. 18 min. 09 sec. East still along said Westerly line 510.35 feet to a Concrete Monument; thence continue South 53 deg. 18 min. 09 sec. East 3 feet, more or less, to a point on the approximate water's edge of the Santa Fe River; thence Westerly, Southwesterly and Westerly along and with the meander of said water's edge 1900 feet, more or less, to a point on the Eastery Right-of-Way line of said U.S. Highway No. 41 (State Road No. 25), said point lying South 01 deg. 52 min. 52 sec. East 2 feet, more or less, from a Concrete Monument; thence North 01 deg. 52 min. 52 sec. West along said Easterly Right-of-Way line 2 feet, more or less, to said Concrete Monument; thence continue North 01 deg. 52 min. 52 sec. West still along said Easterly Right-of-Way line 1117.99 feet; thence North 88 deg. 07 sec. 08 min. East still along said Easterly Right-of-Way line 15.00 feet; thence North 01 deg. 52 min. 52 sec. West, still along said Easterly Right-of-Way line 207.15 feet to the POINT OF BEGINNING.

SUBJECT TO a 50 feet Easement for Ingress and Egress lying 25 foot each side of the following described Centerline:

COMMENCE at the Northwest corner of said Section 27 and run South 01 deg. 52 min. 52 sec. East along the West line of said Section 27 (being also the Centerline of U.S. Highway No. 41) a distance of 635.40 feet; thence South 69 deg. 47 min. 16 sec. East 124.11 feet to the POINT OF BEGINNING of Centerline; thence continue South 06 deg. 47 min. 16 sec. East 142.53 feet; thence North 68 deg. 51 min. 40 sec. East 415.70 feet; thence North 89 deg. 20 min. 00 sec. East 383.24 feet; thence South 50 deg. 42 min. 25 sec. East 167.61 feet to the TERMINAL POINT of said Centerline, said point being North 50 deg. 15 min. 00 sec. East 25.46 feet from aforementioned Concrete Monument (PRM 7).

Inst:2002009631 Date:05/14/2002 Time:09:06:09
Doc Stamp-Deed : 2975.00
DC,P.DeWitt Cason,Columbia County B:952 P:1088

Schedule A

Subject to that certain mortgage executed by Santa Fe Resort & Campground, Inc., a Florida corporation, if favor of William B. Scheel, dated 05/08/1987, recorded 06/08/1987, in Official Records Book 624, page 667, of the Public records of Columbia County, Florida.

Subject to that certain mortgage executed by Scheel Enterprises, Inc., and Santa Fe River Resort and Campground, Inc., in favor of First Union National Bank dated 02/11/2002, recorded 02/15/2002, in Official Records Book 946, page 2029 of the Public Records of Columbia County, Florida.

File No: 02-055

RONNIE BRANNON, CFC
COLUMBIA COUNTY TAX COLLECTOR

2007 REAL ESTATE 01304240000
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

TAX ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R10055-002		349,582	25,000	324,582	003

R

0028969 SL T 0810 32643-123

BLAIS JANE E
252 SE RIVERVIEW CIR
HIGH SPRINGS FL 32643

SEE INSERT FOR IMPORTANT INFO
AND TELEPHONE NUMBERS
WWW.COLUMBIATAXCOLLECTOR.COM

27-7S-17 3600/3600 41.61 acres
COMM NW COR, RUN E 100 FT TO E
R/W US-41, S ALONG R/W 416 FT
FOR POB, E 937.22 FT, S 98.42
FT, E 172.60 FT, S 39 DG E 100
See Tax Roll for extra legal.

PLEASE RETURN THIS ENTIRE NOTICE WITH A SELF-ADDRESSED STAMPED ENVELOPE FOR A VALIDATED RECEIPT.

AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE (DOLLARS PER $1,000 OF TAXABLE VALUE)			TAXES LEVIED
C001 BOARD OF COUNTY COMMISSIONERS	7.8530	25,000	324,582	2,548.94
S002 COLUMBIA COUNTY SCHOOL BOARD				
DISCRETIONARY	.7600	25,000	324,582	246.69
LOCAL	4.7800	25,000	324,582	1,551.50
CAPITAL OUTLAY	2.0000	25,000	324,582	649.16
W SR SUWANNEE RIVER WATER MGT DIST	.4399	25,000	324,582	142.78
HLSH LAKE SHORE HOSPITAL AUTHORITY	2.0220	25,000	324,582	656.30
IIDA COLUMBIA COUNTY INDUSTRIAL	.1240	25,000	324,582	40.25

TOTAL MILLAGE 17.9789 AD VALOREM TAXES $5,835.62

NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	RATE	AMOUNT
FFIR FIRE ASSESSMENTS		7691.43

PAY ONLY ONE AMOUNT IN YELLOW SHADED AREA NON-AD VALOREM ASSESSMENTS $7,691.43

COMBINED TAXES AND ASSESSMENTS $13,527.05 PAY ONLY ONE AMOUNT See reverse side for important information.

IF PAID BY PLEASE PAY	Nov 30	Dec 31	Jan 31	Feb 29	Mar 31
	12,985.97	13,121.24	13,256.51	13,391.78	13,527.05

IF PAID BY

RONNIE BRANNON, CFC
COLUMBIA COUNTY TAX COLLECTOR

2007 REAL ESTATE 01304240000
NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

TAX ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R10055-002		349,582	25,000	324,582	003

SL0028969 R
BLAIS JANE E
252 SE RIVERVIEW CIR
HIGH SPRINGS FL 32643

27-7S-17 3600/3600 41.61 acres
COMM NW COR, RUN E 100 FT TO E
R/W US-41, S ALONG R/W 416 FT
FOR POB, E 937.22 FT, S 98.42
FT, E 172.60 FT, S 39 DG E 100
See Tax Roll for extra legal.

PAY IN U.S. FUNDS TO RONNIE BRANNON TAX COLLECTOR • 135 NE HERNANDO AVE., SUITE 125, LAKE CITY, FL 32055-4006 • www.columbiataxcollector.com

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

OWNER BUILDER DISCLOSURE STATEMENT

I understand that state law requires construction to be done by a licensed contractor and have applied for an owner-builder permit under an exemption from the law. The exemption specifies that I, as the owner of the property listed, may act as my own contractor with certain restrictions even though I do not have a license.

I understand that building permits are not required to be signed by a property owner unless he or she is responsible for the construction and is not hiring a licensed contractor to assume responsibility.

I understand that, as an owner-builder, I am the responsible party of record on a permit. I understand that I may protect myself from potential financial risk by hiring a licensed contractor and having the permit filed in his or her name instead of my own name. I also understand that a contractor is required by law to be licensed and bonded in Florida and to list his or her license numbers on permits and contracts.

I understand that I may build or improve a one-family or two-family residence or farm outbuilding. I may also build or improve a commercial building if the costs do not exceed $75,000. The building or residence must be for my own use or occupancy. It may not be built or substantially improved for sale or lease. If a building or residence that I have built or substantially improved myself is sold or leased with in 1 year after the construction is complete, the law will presume that I built or substantially improved it for sale or lease, which violates the exemption.

I understand that, as the owner-builder, I must provide direct, onsite supervision of the construction.

I understand that I may not hire an unlicensed person to act as my contractor or to supervise persons working on my building or residence. It is my responsibility to ensure that the persons whom I employ have the licenses required by law and by county or municipal ordinance.

I understand that it is frequent practice of unlicensed persons to have the property owner obtain an owner-builder permit that erroneously implies that the property owner is providing his or her own labor and materials. I, as an owner-builder, may be held liable and subjected to serious financial risk for any injuries sustained by an unlicensed person or his or her employees while working on my property. My homeowner's insurance may not provide coverage for those injuries. I am willfully acting as an owner-builder and am aware of the limits of my insurance coverage for injuries to workers on my property.

I understand that I 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 my building who is not licensed must work under my direct supervision and must be employed by me, which means that I must comply with laws requiring the withholding of federal income tax and social security contributions under the Federal Insurance Contributions Act (FICA) and must provide workers' compensation for the employee. I understand that my failure to follow these laws may subject me to serious financial risk.

I agree that, as the party legally and financially responsible for this proposed construction activity, I will abide by all applicable laws and requirements that govern owner-builders as well as employers. I also understand that the construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that I may obtain more information regarding my obligations as an employer from the Internal Revenue Service, the United States Small Business Administration, the Florida Department of Financial Services, and the Florida Department of Revenue. I also understand that I may contact the Florida Construction Industry Licensing Board at 850-487-1395 or Internet website address http://www.myflorida.com/dbpr/pro/cilb/index.html for more information about licensed contractors.

I am aware of, and consent to, an owner-builder building permit applied for in my name and understand that I am the party legally and financially responsible for the proposed construction activity at the following address:

_____.

I agree to notify Columbia County Building Department immediately of any additions, deletions, or changes to any of the information that I have provided on this disclosure. Licensed contractors are regulated by laws designed to protect the public. If you contract with a person who does not have a license, the Construction Industry Licensing Board and Department of Business and Professional Regulation may be unable to assist you with any financial loss that you sustain as a result of a complaint. Your only remedy against an unlicensed contractor may be in civil court. It is also important for you to understand that, if an unlicensed contractor or employee of an individual of firm is injured while working on your property, you may be held liable for damages. If you obtain an owner-builder permit and wish to hire a licensed contractor, you will be responsible for verifying whether the contractor is properly licensed and the status of the contractor's workers' compensation coverage.

I understand that if I hire subcontractors they must be licensed for that type of work in Columbia County, ex: framing, stucco, masonry, and state registered builders. Registered Contractors must have a minimum of $300,000.00 in General Liability insurance coverage and the proper workers' compensation. Specialty Contractors must have a minimum of $100,000.00 in General Liability insurance coverage and the proper workers' compensation coverage.

Before a building permit can be issued, this disclosure statement must be completed and signed by the property owner and returned to Columbia County Building Department.

TYPE OF CONSTRUCTION

(/) Single Family Dwelling ( ) Two-Family Residence ( ) Farm Outbuilding

( ) Addition, Alteration, Modification or other Improvement

( ) Commercial, Cost of Construction_____ Construction of_____

( ) Other_____

I JANE BLAIR, 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 allowing this exception for the construction permitted by Columbia County Building Permit.

_____ 2-5-10

Owner Builder Signature Date

NOTARY OF OWNER BUILDER SIGNATURE

The above signer is personally known to me or produced identification DL

Notary Signature _____ Date 2-5-10 (Seal)

GALE TEDDER
MY COMMISSION # DD 805686
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 given notice of the restriction stated above.

Building Official/Representative_____

Revised: 7-23-09
DISCLOSURE STATEMENT 09
Documents: B&Z Forms

For Jane Blias 386 758 2160

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name _____ License #:	Signature _____ Phone #:
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	CBC 1255845	Michael Morrison	
CONCRETE FINISHER CBC	1255845	Michael Morrison	
FRAMING CBC	1255845	Michael Morrison	
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

'OWNER BUILDER'

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1002. CONTRACTOR OWNER PHONE 386.454.7562

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is REQUIRED that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

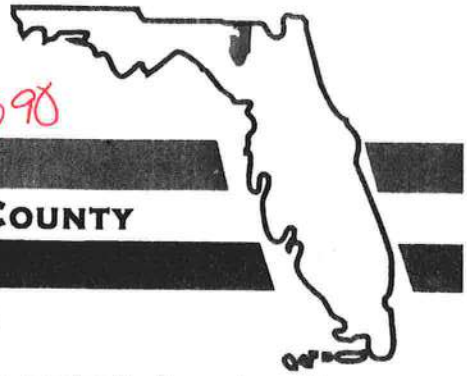
Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name JANE BLAIS License #:	Signature Phone #: 386 454 7562
MECHANICAL/ A/C _____	Print Name License #:	Signature Phone #:
PLUMBING/ GAS	Print Name License #:	Signature Phone #:
ROOFING	Print Name License #:	Signature Phone #:
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
* MASON	—		
* CONCRETE FINISHER			
* FRAMING			
INSULATION	NA	Logs are the insulation - (walls.)	
STUCCO	N/A	won't be doing any	
DRYWALL	N/A	finish work like	
PLASTER	N/A	floor instatation -	
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING	N/A	—	—
GARAGE DOOR	N/A		
METAL BLDG ERECTOR	N/A	—	—

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

#28390



BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

Memo of review for correctness and completion

In accordance with participation in the NFIP/CRS program, all elevation certificates are required to be reviewed for correctness and completion prior to acceptance by the community. This form shall be attached to all elevation certificates maintained on file and provided with requested copies of elevation certificates.

_____ The attached certificate requires correction by the surveyor of section (s) _____ prior to acceptance by the community.

✓ The attached elevation certificate is complete and correct.

_____ Minor corrections have been made in the below marked section(s) by the authorized Community Official.

SECTION A - PROPERTY INFORMATION	For Insurance Company Use:
A1. Building Owner's Name	Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.	Company NAIC Number
City State ZIP Code	

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) _____

A5. Latitude/Longitude: Lat. _____ Long. _____ Horizontal Datum: ☐ NAD 1927 ☐ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number_____

A8. For a building with a crawl space or enclosure(s), provide:
- a) Square footage of crawl space or enclosure(s) _____ sq ft
- b) No. of permanent flood openings in the crawl space or enclosure(s) walls within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A8.b _____ sq in

A9. For a building with an attached garage, provide:
- a) Square footage of attached garage _____ sq ft
- b) No. of permanent flood openings in the attached garage walls within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A9.b _____ sq in

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☐ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☐ NAVD 1988 ☐ Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☐ No
Designation Date_____ ☐ CBRS ☐ OPA

Comments: _____

Date of Review: 29 MAY 2013 Community Official: _____

All elevation certificates shall be maintained by the community and copies with the attached memo made available upon request.

U.S. DEPARTMENT OF HOMELAND SECURITY
FEDERAL EMERGENCY MANAGEMENT AGENCY
National Flood Insurance Program

ELEVATION CERTIFICATE

Important: Read the instructions on pages 1–9.

OMB No. 1660-0008
Expiration Date: July 31, 2015

SECTION A – PROPERTY INFORMATION

FOR INSURANCE COMPANY USE

A1. Building Owner's Name Jane Blais — Policy Number:

A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.
184 SE Riverbend Loop — Company NAIC Number:

City High Springs State FL ZIP Code 32643

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)
27-7S-17-10055-002

28390

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential

A5. Latitude/Longitude: Lat. 29*51.279' Long. 82*36.335 Horizontal Datum: ☐ NAD 1927 ☒ NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 5

A8. For a building with a crawlspace or enclosure(s):
- a) Square footage of crawlspace or enclosure(s) N/A sq ft
- b) Number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade N/A
- c) Total net area of flood openings in A8.b N/A sq in
- d) Engineered flood openings? ☐ Yes ☐ No

A9. For a building with an attached garage:
- a) Square footage of attached garage N/A sq ft
- b) Number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade N/A
- c) Total net area of flood openings in A9.b N/A sq in
- d) Engineered flood openings? ☐ Yes ☐ No

SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number	B2. County Name	B3. State
Columbia 120070	Columbia	FL

B4. Map/Panel Number	B5. Suffix	B6. FIRM Index Date	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s)	B9. Base Flood Elevation(s) (Zone AO, use base flood depth)
12023C0551C	C	4 Feb 2009	4 Feb 2009	AE	48.00

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.
☒ FIS Profile ☐ FIRM ☐ Community Determined ☐ Other/Source: _____

B11. Indicate elevation datum used for BFE in Item B9: ☐ NGVD 1929 ☒ NAVD 1988 ☐ Other/Source: _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? ☐ Yes ☒ No
Designation Date: _____ ☐ CBRS ☐ OPA

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: ☐ Construction Drawings* ☐ Building Under Construction* ☒ Finished Construction
*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO. Complete Items C2.a–h below according to the building diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: Spike in 20" oak Vertical Datum: NAVD 88

Indicate elevation datum used for the elevations in items a) through h) below. ☐ NGVD 1929 ☐ NAVD 1988 ☒ Other/Source: _____
Datum used for building elevations must be the same as that used for the BFE.

		Check the measurement used.	
a) Top of bottom floor (including basement, crawlspace, or enclosure floor)	51.39	☒ feet	☐ meters
b) Top of the next higher floor	N.A	☐ feet	☐ meters
c) Bottom of the lowest horizontal structural member (V Zones only)	N.A	☐ feet	☐ meters
d) Attached garage (top of slab)	N.A	☐ feet	☐ meters
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	54.79	☒ feet	☐ meters
f) Lowest adjacent (finished) grade next to building (LAG)	36.4	☒ feet	☐ meters
g) Highest adjacent (finished) grade next to building (HAG)	36.9	☒ feet	☐ meters
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support	37.13	☒ feet	☐ meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. *I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.*

☐ Check here if comments are provided on back of form.
☒ Check here if attachments.

Were latitude and longitude in Section A provided by a licensed land surveyor? ☒ Yes ☐ No

PLACE SEAL HERE

Certifier's Name L. Scott Britt License Number LS 5757

Title Chief Surveyor Company Name Britt Surveying and Mapping, LLC

Address 2086 SW Main Blvd. #112 City Lake City State FL ZIP Code 32025

Signature [signature] Date 05/20/13 Telephone 386-752-7163

IMPORTANT: In these spaces, copy the corresponding information from Section A.	FOR INSURANCE COMPANY USE
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 184 SE Riverbend Loop	Policy Number:
City High Springs State FL ZIP Code 32643	Company NAIC Number:

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments L-22559
See Attachment

Signature Date 05/20/13

SECTION E – BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1–E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1–E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.
b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the LAG.

E2. For Building Diagrams 6–9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8–9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E3. Attached garage (top of slab) is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E4. Top of platform of machinery and/or equipment servicing the building is _____.____ ☐ feet ☐ meters ☐ above or ☐ below the HAG.

E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? ☐ Yes ☐ No ☐ Unknown. The local official must certify this information in Section G.

SECTION F – PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.

Property Owner's or Owner's Authorized Representative's Name

Address City State ZIP Code

Signature Date Telephone

Comments

☐ Check here if attachments.

SECTION G – COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8–G10. In Puerto Rico only, enter meters.

G1. ☐ The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)

G2. ☐ A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.

G3. ☐ The following information (Items G4–G10) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued

G7. This permit has been issued for: ☐ New Construction ☐ Substantial Improvement

G8. Elevation of as-built lowest floor (including basement) of the building: _____.____ ☐ feet ☐ meters Datum _____

G9. BFE or (in Zone AO) depth of flooding at the building site: _____.____ ☐ feet ☐ meters Datum _____

G10. Community's design flood elevation: _____.____ ☐ feet ☐ meters Datum _____

Local Official's Name Title

Community Name Telephone

Signature Date

Comments

☐ Check here if attachments.

Building Photographs

See Instructions for Item A6.

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1364 SW Riverside Ave.	FOR INSURANCE COMPANY USE Policy Number:
City Ft. White State FL ZIP Code 32038	Company NAIC Number:

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.

Front View

Building Photographs

Continuation Page

IMPORTANT: In these spaces, copy the corresponding information from Section A.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 1364 SW Riverside Ave.	FOR INSURANCE COMPANY USE Policy Number:
City Ft. White State FL ZIP Code 32038	Company NAIC Number:

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

Rear View

BRITT SURVEYING

Land Surveyors and Mappers

LAKE CITY • VENICE • SARASOTA

Section A
A1 No additional comment
A2 The address is taken from the public records
A3 – A4 No additional comment
A5 Hand Held GPS coordinate at the center of building along the front wall
A6 The photographs were taken by Britt Surveying and Mapping, LLC as of the date of field work
A7 – A9 No additional comment

Section B
B1 – B7 No additional comment
B8 This building appears to be in Zone AE.
B9 – B10 The BFE as shown hereon is based on FIS Profile sheets.
B11 – B12 No additional comment

Section C
C1 No additional comment
C2 There is a benchmark in a 20" oak tree whose elevation is determined to be 38.00 feet NAVD 88 datum.
C2 a One story residence
C2 b-d No additional comment
C2 e The electric meter
C2 f - h No additional comment

Section D
No additional comment
Section E
No additional comment

Section F
No additional comment

Section G
No additional comment

Photographs
The photographs were taken by Britt Surveying and Mapping, LLC as of the date of field work

Suwannee River Water Management District
Effective Flood Information Report

Effective Flood Zones described on Page 2

- SFHA - AE w/Floodway
- SFHA - Zones AE, AH, AO
- SFHA - Zone VE
- SFHA - Zone A
- 0.2 % (shaded X)
- Wetlands
- FIRM Panel
- State Lands
- Counties
- SRWMD
- Parcels
- Depressions
- BFE
- Cross Sections

LOCATION

Date: 05-20-2013

Parcel: 27-7S-17-10055-002

County: Columbia

STR: S027 T07 R17

Columbia Flood Hazard Areas Status: Effective: 02/04/2009

FLOOD INFORMATION

FIRM Panel(s): 12001C0105D,12023C0551C

Parcel In Special Flood Hazard Area? (SFHA): Yes

Flood Zone(s): AE FW

1% Annual Chance Flood Elev (BFE): 47.6 (feet)

Floodway: Yes

10% Annual Chance Flood Elev: 41.7 (feet)

50% Annual Chance Flood Elev: 35.6 (feet)

Note: Elevations are based on NAVD88

The Federal Emergency Management Agency (FEMA) maintains information about map features, such as street locations and names, in or near designated flood hazard areas. The information herein represents the best available data as of the effective date shown. The applicable Flood Insurance Study and a Digital Flood Insurance Rate Map is available online (http://www.srwmdfloodreport.com). To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to also consult the FEMA Map Service Center at 1-800-358-9616 (http://www.msc.fema.gov) for information on available products associated with this FIRM panel. Available products from the Map Service Center may include previously issued Letters of Map Change.

Requests to revise flood information in or near designated flood hazard areas may be provided to FEMA during the community review period on preliminary maps, or through the Letter of Map Change process for effective maps.

Base Flood Elevation (BFE)

The elevation shown on the Flood Insurance Rate Map for Zones AE, AH, A1-A30, AR, AO, V1-V30, and VE that indicates the water surface elevation resulting from a flood that has a one percent chance of equaling or exceeding that level in any given year.

A

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones.

AE, A1-A30

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. In most instances, base flood elevations derived from detailed analyses are shown at selected intervals within these zones.

AH

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Usually areas of ponding with flood depths of 1 to 3 feet. Base Flood Elevations are determined.

AO

Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Usually areas of sheet flow on sloping terrain with flood depths of 1 to 3 feet. Base Flood Elevations are determined.

Supplemental Information:

10%-chance flood elevations (10-year flood-risk elevations) and 50%-chance flood elevations (2-year flood-risk elevations), are calculated during detailed flooding studies but are not shown on FEMA Digital Flood Insurance Rate Maps (FIRMs). They have been provided as supplemental information in the Flood Information section of this report.

AE FW (FLOODWAYS)

The channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood (1% annual chance flood event). The floodway must be kept open so that flood water can proceed downstream and not be obstructed or diverted onto other properties.

Please note, if you develop within the regulatory floodway, you will need to contact your Local Government and the Suwannee River Water Management District prior to commencing with the activity. Please contact the District at 800.226.1066.

VE

Areas with a 1% annual chance of flooding over the life of a 30-year mortgage with additional hazards due to storm-induced velocity wave action. Base Flood Elevations (BFEs) derived from detailed analyses.

X 0.2 PCT (X Shaded, 0.2 PCT ANNUAL CHANCE FLOOD HAZARD)

Same as Zone X; however, detailed studies have been performed, and the area has been determined to be within the 0.2 percent annual chance floodplain (also known as the 500-year flood zone). Insurance purchase is not required in this zone but is available at a reduced rate and is recommended.

X

All areas outside the 1-percent annual chance floodplain are Zone X. This includes areas of 1% annual chance sheet flow flooding where average depths are less than 1 foot, areas of 1% annual chance stream flooding where the contributing drainage area is less than 1 square mile, or areas protected from the 1% annual chance flood by levees. No Base Flood Elevations or depths are shown within this zone. Insurance purchase is not required in these zones.

LINKS

FEMA:

http://www.fema.gov

SRWMD:

http://www.srwmd.state.fl.us

CONTACT

SRWMD
9225 County Road 49
Live Oak, FL 32060

(386) 362-1001

Toll Free:
(800) 226-1066

GTC DESIGN GROUP

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

December 15, 2009

ZERO RISE CERTIFICATION

Client/Owner: **Jane Blais**

Property Description:
Parcel @ 27-7S-17-10055-002
Section 27, Township 7 South, Range 17 East
Columbia County, Florida

Structure in Floodway: **50' x 30' Residence on piers and 20'x12' deck**

River Mile: **28**

Elevation of 100yr flood: **47**
Community Panel: **12023C0551C**

I hereby certify that construction of the proposed residence will not increase flood elevations of the Sante Fe River.

Gary J. Gill
PE#51942
12/15/09
December 15, 2009

GTC DESIGN GROUP

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

December 15, 2009

Leroy Marshall II
c/o Suwannee River Water Management District
9225 County Road 49
Live Oak, FL 32060

SUBJECT: Zero Rise- Jane Blais

Mr. Marshall,

Mr. Tim Smith proposes to build a residence in Section27, Township 7 South, Range17 East, Columbia County, Florida. The structure will include a 50x30 residence with attached 8 ft x 50 ft front porch and back porch, and a 20'x12' deck. The structure will be located in the floodway of the Sante Fe River.

A new cross section was added at the site location. A site plan is attached locating the property, and existing cross sections.

All elevations per NAV D1998 Datum.

The following steps were executed in doing the zero rise calculations.

(1) Run the model with SRWMD existing cross sections. Verify that the model matches the original flood study results.

The output from the run using the existing cross sections matches the original flood study.

(2) Interpolate between existing cross sections and add a new cross section at the site location.

The new section, RS 28.10, was interpolated from river posts 27.68 and 28.93. The elevations from the interpolated cross sections were adjusted accordingly.

(3) Verify that the run using the additional cross section matches the original output.

The output from the run using the interpolated cross sections matches the original flood study.

(4) Add obstacles along the new cross section to model the piers under the house.

An obstacle width of 62 feet was added at cross section RS 28.10. RS 28.10 is located at the center of the building. An obstacle height of 60 feet was input to insure the structure would be modeled correctly.

(5) Verify the run including the obstacles matches the original model run.

The water surface elevations for all three runs match and a zero rise is achieved.

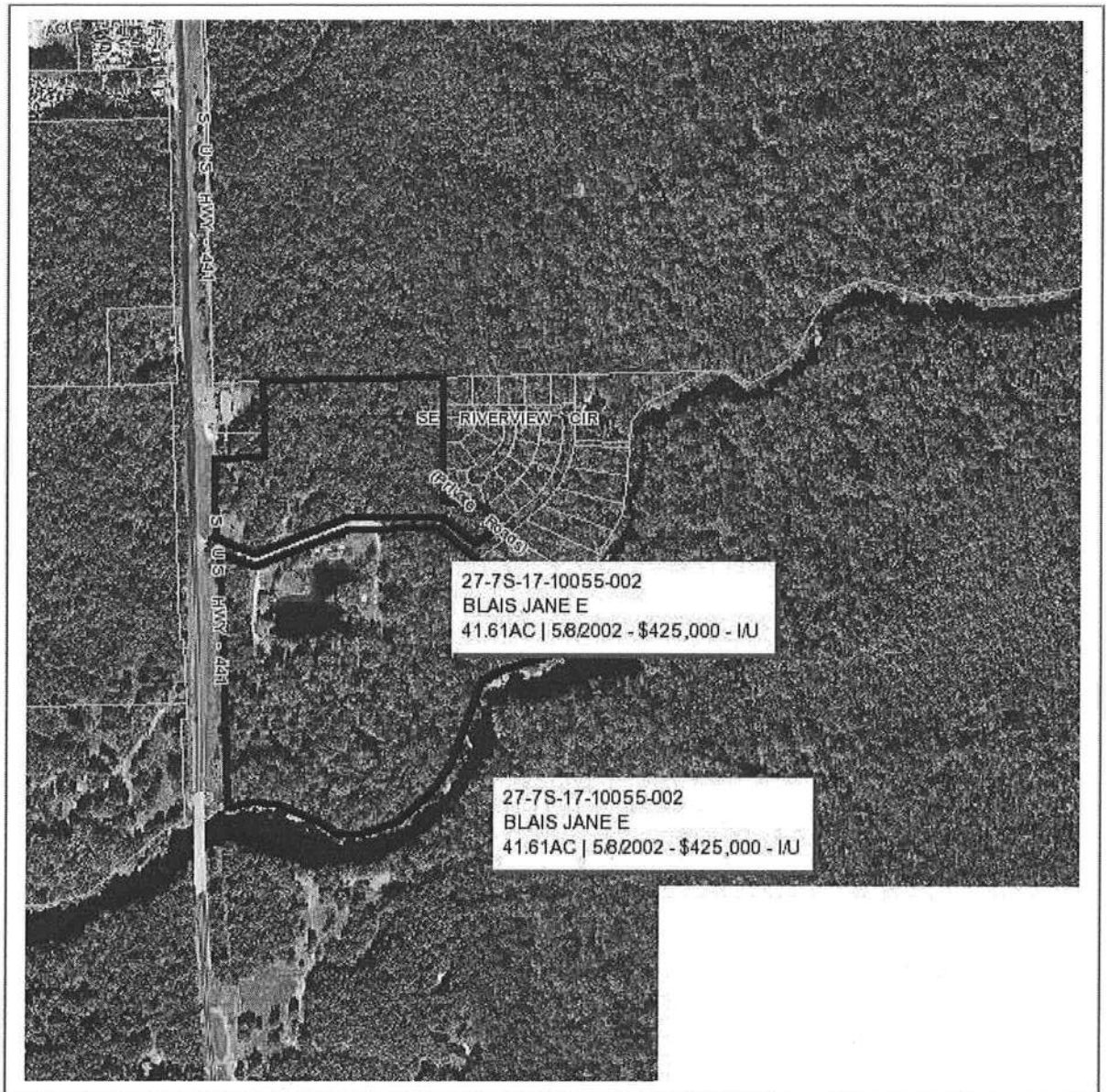
(6) Print out cross sections.

See attachments.

Thank you,

12/15/09

Gary J. Gill
P.E. #51942

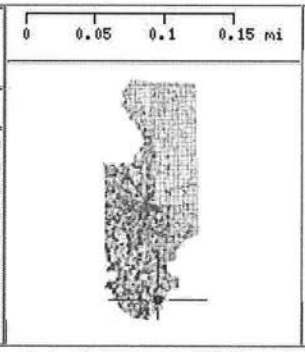


Columbia County Property Appraiser

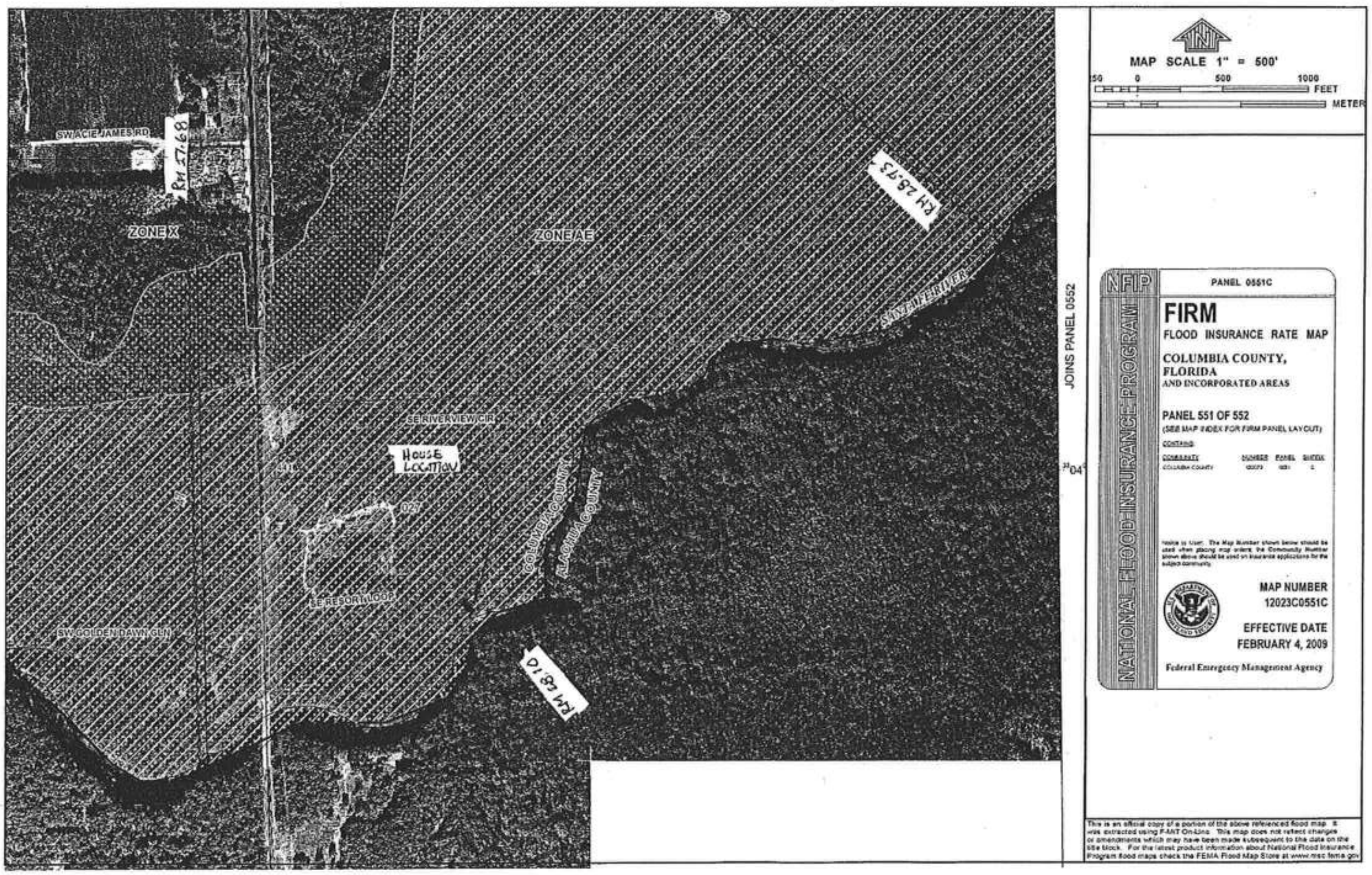
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 27-7S-17-10055-002 HA - IMPROVED A (005000)

Name:	BLAIS JANE E	LandVal	$96,320.00
Site:	RESORT	BldgVal	$226,726.00
Mail:	252 SE RIVERVIEW CIR HIGH SPRINGS, FL 32643	ApprVal	$336,416.00
		JustVal	$402,266.00
Sales Info		Assd	$336,416.00
		Exmpt	$27,932.00
		Taxable	County: $308,484.00 | City: $308,484.00 Other: $308,484.00 | School: $311,416.00



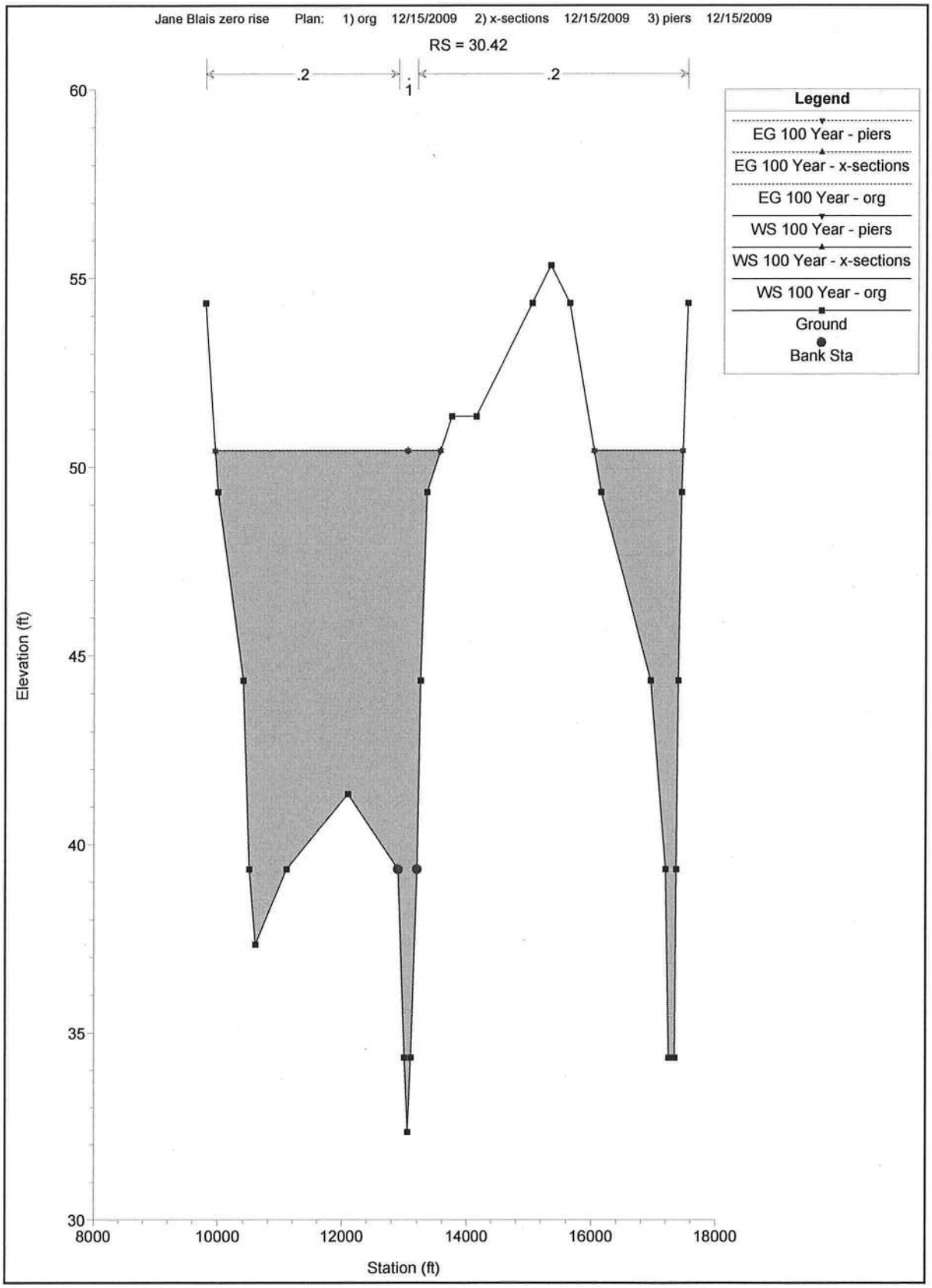
This information, GIS Map Updated: 11/13/2009, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

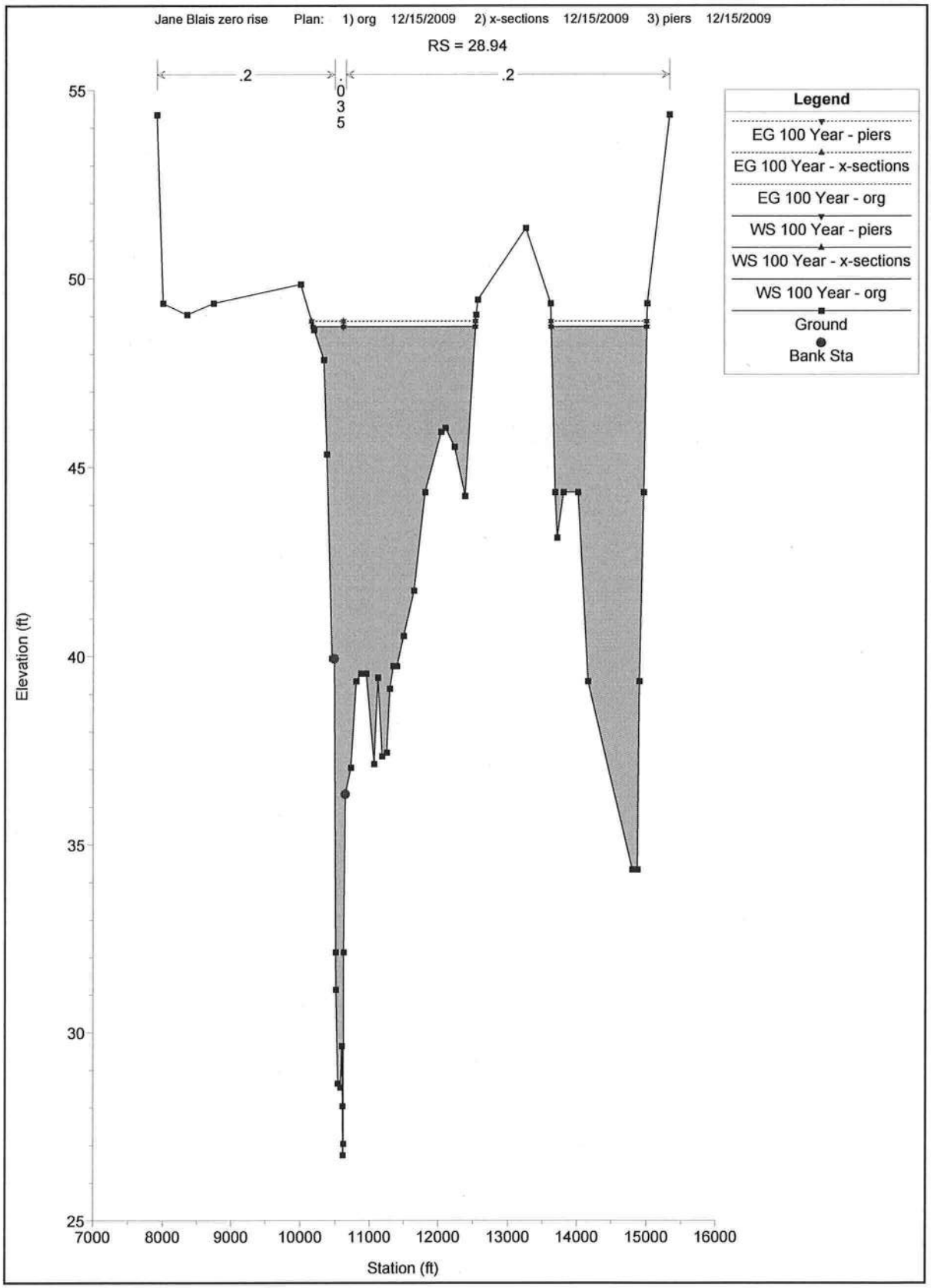


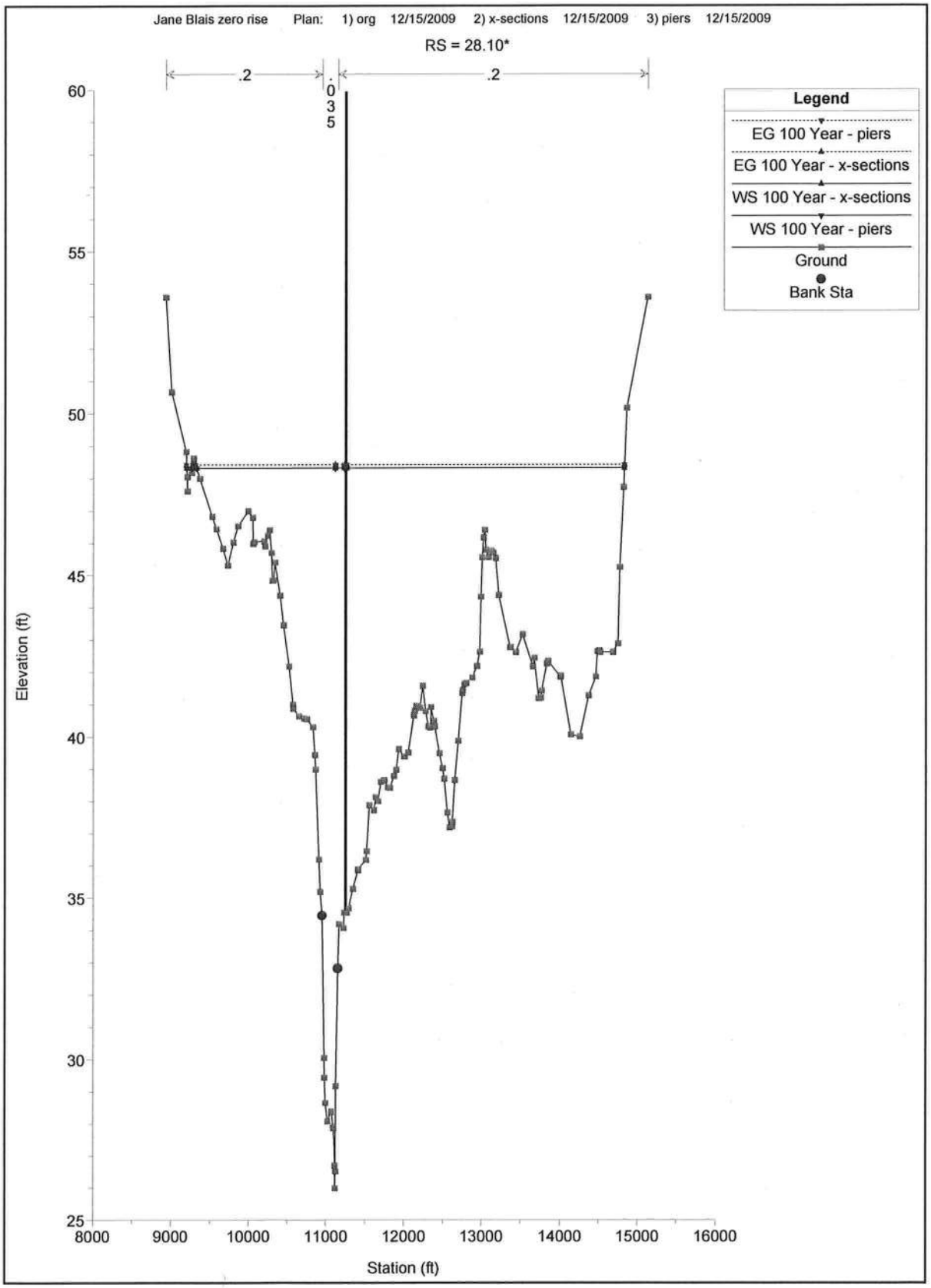
SW ACIE JAMES RD
RM 37.68
ZONE X
RM 28.73
ZONE AE
SE RIVERVIEW CIR
House Location
SE RESORT LOOP
SW GOLDEN DAWN GLN
COLUMBIA COUNTY
ALACHUA COUNTY
RM 28.10
JOINS PANEL 0552
MAP SCALE 1" = 500'
500
1000
FEET
METER
NFIP
NATIONAL FLOOD INSURANCE PROGRAM
PANEL 0551C
FIRM
FLOOD INSURANCE RATE MAP
COLUMBIA COUNTY,
FLORIDA
AND INCORPORATED AREAS
PANEL 551 OF 552
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)
MAP NUMBER
12023C0551C
EFFECTIVE DATE
FEBRUARY 4, 2009
Federal Emergency Management Agency
This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov

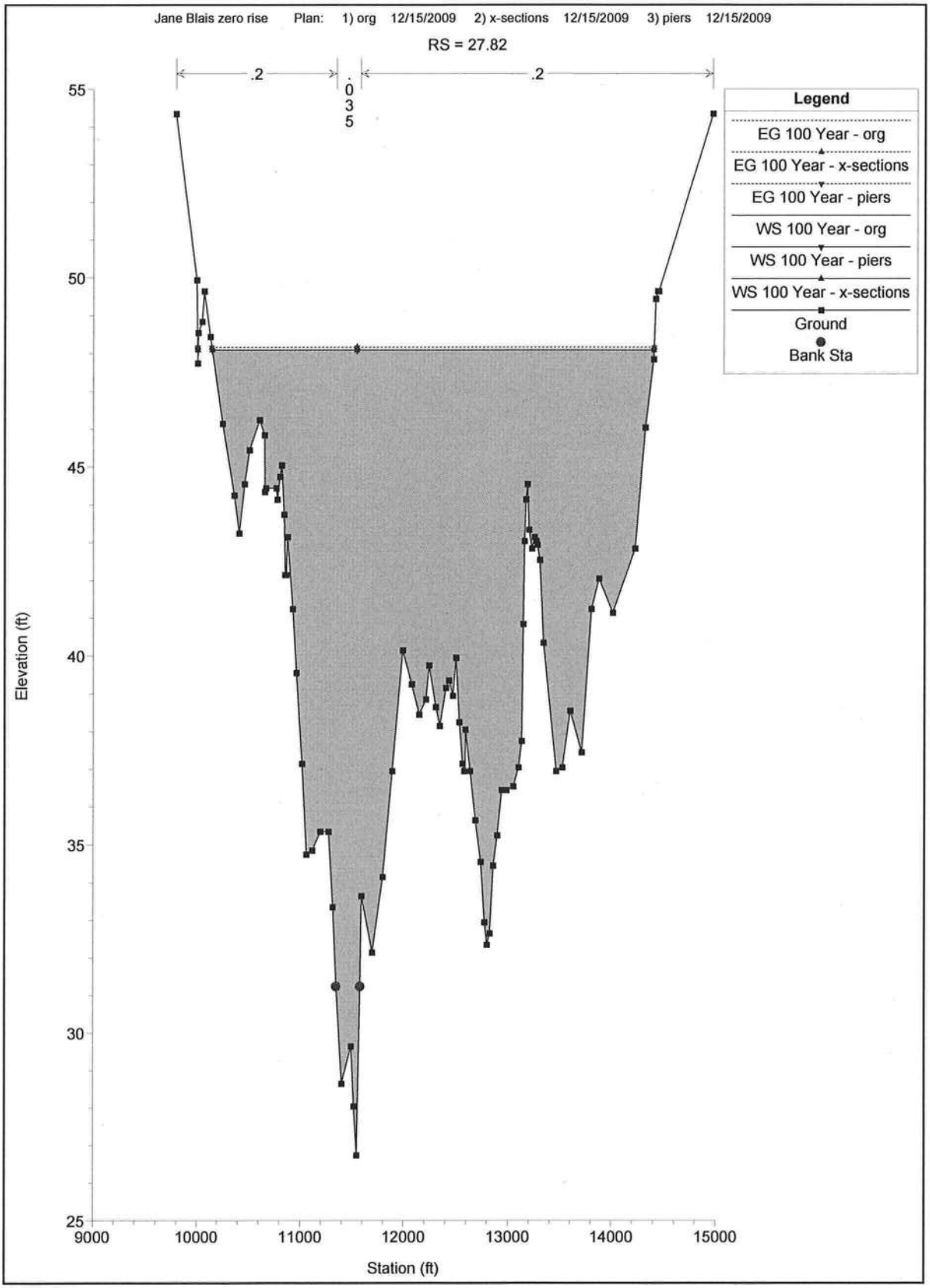
HEC-RAS River: Santa Fe Reach: Main Profile: 100 Year

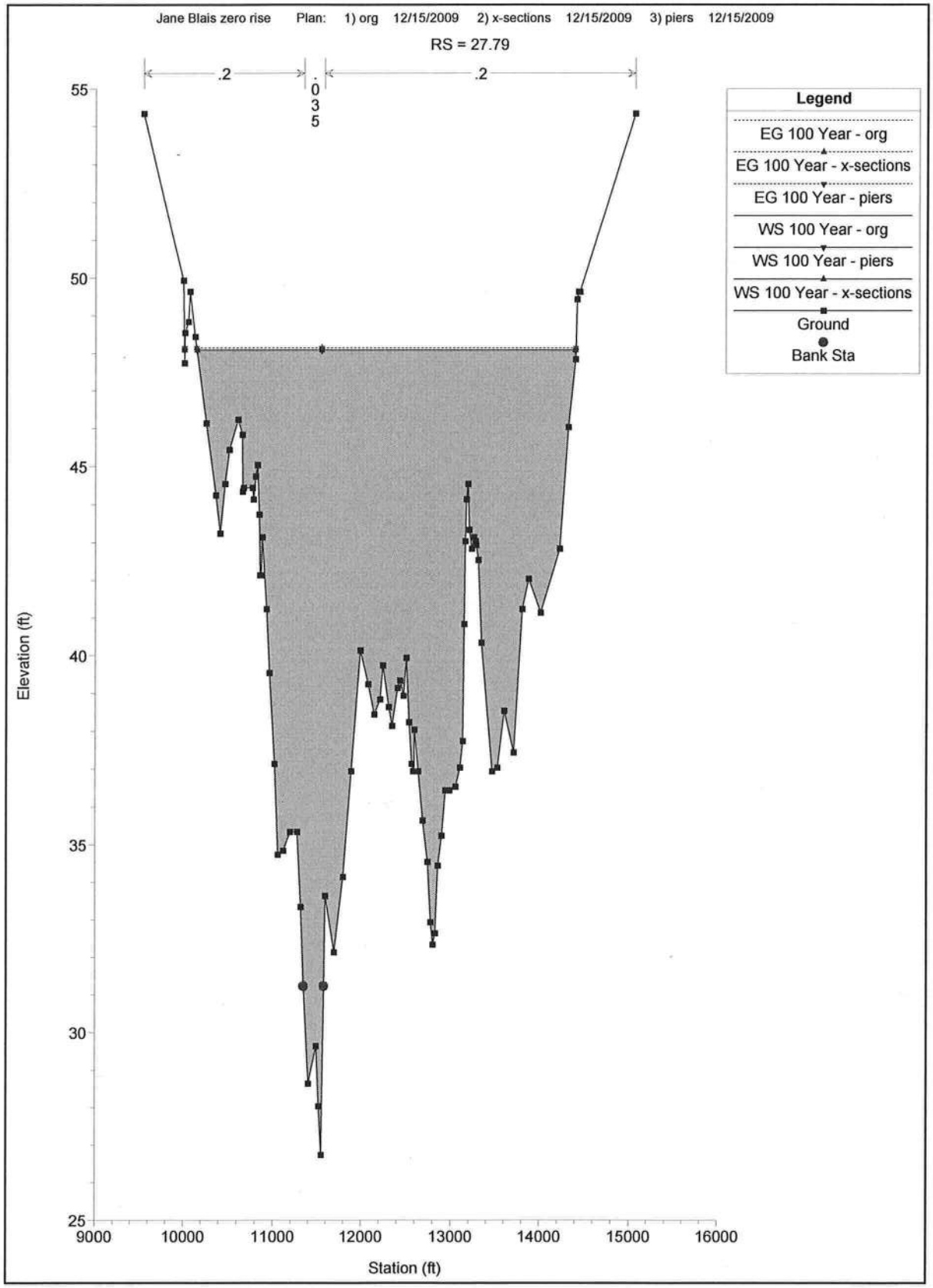
Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
Main	30.42	100 Year	org	24427.00	32.34	50.43		50.44	0.000259	1.44	41178.09	5042.10	0.07
Main	30.42	100 Year	x-sections	24427.00	32.34	50.43		50.44	0.000259	1.44	41193.36	5043.19	0.07
Main	30.42	100 Year	piers	24427.00	32.34	50.43		50.44	0.000259	1.44	41194.29	5043.25	0.07
Main	28.94	100 Year	org	23206.00	26.74	48.72		48.86	0.000213	4.17	28843.28	3721.38	0.17
Main	28.94	100 Year	x-sections	23206.00	26.74	48.72		48.87	0.000213	4.17	28862.86	3722.50	0.17
Main	28.94	100 Year	piers	23206.00	26.74	48.72		48.87	0.000213	4.17	28864.02	3722.56	0.17
Main	28.10*	100 Year	x-sections	23206.00	26.04	48.32		48.42	0.000124	3.37	37915.83	5557.33	0.14
Main	28.10*	100 Year	piers	23206.00	25.99	48.32		48.42	0.000124	3.38	37768.89	5537.98	0.14
Main	27.82	100 Year	org	23206.00	26.74	48.09		48.16	0.000093	2.91	38561.85	4256.10	0.12
Main	27.82	100 Year	x-sections	23206.00	26.74	48.09		48.16	0.000093	2.91	38561.85	4256.10	0.12
Main	27.82	100 Year	piers	23206.00	26.74	48.09		48.16	0.000093	2.91	38561.85	4256.10	0.12
Main	27.79	100 Year	org	20910.00	26.74	48.08		48.14	0.000075	2.62	38536.31	4255.66	0.11
Main	27.79	100 Year	x-sections	20910.00	26.74	48.08		48.14	0.000075	2.62	38536.31	4255.66	0.11
Main	27.79	100 Year	piers	20910.00	26.74	48.08		48.14	0.000075	2.62	38536.31	4255.66	0.11


Jane Blais zero rise Plan: 1) org 12/15/2009 2) x-sections 12/15/2009 3) piers 12/15/2009
RS = 30.42
.2
.1
.2
Legend
EG 100 Year - piers
EG 100 Year - x-sections
EG 100 Year - org
WS 100 Year - piers
WS 100 Year - x-sections
WS 100 Year - org
Ground
Bank Sta
Elevation (ft)
60
55
50
45
40
35
30
8000
10000
12000
14000
16000
18000
Station (ft)


Jane Blais zero rise Plan: 1) org 12/15/2009 2) x-sections 12/15/2009 3) piers 12/15/2009
RS = 28.94
.2
.035
.2
Legend
EG 100 Year - piers
EG 100 Year - x-sections
EG 100 Year - org
WS 100 Year - piers
WS 100 Year - x-sections
WS 100 Year - org
Ground
Bank Sta
Elevation (ft)
55
50
45
40
35
30
25
7000
8000
9000
10000
11000
12000
13000
14000
15000
16000
Station (ft)


Jane Blais zero rise Plan: 1) org 12/15/2009 2) x-sections 12/15/2009 3) piers 12/15/2009
RS = 28.10*
.2
.035
.2
Legend
EG 100 Year - piers
EG 100 Year - x-sections
WS 100 Year - x-sections
WS 100 Year - piers
Ground
Bank Sta
Elevation (ft)
Station (ft)
60
55
50
45
40
35
30
25
8000
9000
10000
11000
12000
13000
14000
15000
16000


Jane Blais zero rise Plan: 1) org 12/15/2009 2) x-sections 12/15/2009 3) piers 12/15/2009
RS = 27.82
.2
.035
.2
Legend
EG 100 Year - org
EG 100 Year - x-sections
EG 100 Year - piers
WS 100 Year - org
WS 100 Year - piers
WS 100 Year - x-sections
Ground
Bank Sta
Elevation (ft)
55
50
45
40
35
30
25
9000
10000
11000
12000
13000
14000
15000
Station (ft)


Jane Blais zero rise Plan: 1) org 12/15/2009 2) x-sections 12/15/2009 3) piers 12/15/2009
RS = 27.79
.2
.035
.2
Legend
EG 100 Year - org
EG 100 Year - x-sections
EG 100 Year - piers
WS 100 Year - org
WS 100 Year - piers
WS 100 Year - x-sections
Ground
Bank Sta
Elevation (ft)
55
50
45
40
35
30
25
9000
10000
11000
12000
13000
14000
15000
16000
Station (ft)

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	PF09-136	Builder Name:	
Street:		Permit Office:	
City, State, Zip:	, FL ,	Permit Number:	
Owner:	SRLH - BLAIS	Jurisdiction:	
Design Location:	FL, Gainesville		

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	2
5. Is this a worst case?	No
6. Conditioned floor area (ft²)	1500

7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.33	230.00 ft²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Raised Floor	R=19.0	1500.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Log - 6 inch, Exterior	R=0.0	1890.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Cathedral/Single Assembly (Vented)	R=30.0	1500.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Interior Ret: Interior AH: Interior Sup. R= 6, 300 ft²

12. Cooling systems
a. Central Unit — Cap: 48.0 kBtu/hr, SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 48.0 kBtu/hr, HSPF: 7.7

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

b. Conservation features
None

15. Credits — CF

Glass/Floor Area: 0.153

Total As-Built Modified Loads: 37.55
Total Baseline Loads: 45.57

PASS

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

PREPARED BY: Gail Gill
DATE: 12/16/09

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: _____

PROJECT

Title:	PF09-136	Bedrooms:	2	Adress Type:	Street Address
Building Type:	FLAsBuilt	Conditioned Area:	1500	Lot #	
Owner:	SRLH - BLAIS	Total Stories:	1	SubDivision:	
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:		Rotate Angle:	0	Street:	
Permit Office:		Cross Ventilation:		County:	COLUMBIA
Jurisdiction:		Whole House Fan:		City, State, Zip:	, FL ,
Family Type:	Single-family				
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	R-Value	Area		Tile	Wood	Carpet
_____	1	Raised Floor		1500 ft²	19	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Composition shingles	1952 ft²	624 ft²	Medium	0.96	No	0	39.8 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full cathedral ceilin	Vented	300	1500 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Cathedral/Single Assembly (Vented)	30	1500 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Log - 6 inch	0.01	500 ft²	0	0	0.75
_____	2	E	Exterior	Log - 6 inch	0.01	445 ft²	0	0	0.75
_____	3	S	Exterior	Log - 6 inch	0.01	500 ft²	0	0	0.75
_____	4	W	Exterior	Log - 6 inch	0.01	445 ft²	0	0	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Wood	None	0.460000	20 ft²
_____	2	S	Wood	None	0.46	5 ft²

WINDOWS

Orientation shown is the entered, asBuilt orientation.

√	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N	Wood	Low-E Double	Yes	0.33	0.35	N	9.5 ft²	9 ft 8 in	1 ft 7 in	HERS 2006	None
_____	2	N	Wood	Low-E Double	Yes	0.33	0.35	N	12.66666	9 ft 8 in	1 ft 7 in	HERS 2006	None
_____	3	N	Wood	Low-E Double	Yes	0.33	0.35	N	27 ft²	9 ft 8 in	1 ft 7 in	HERS 2006	None
_____	4	E	Wood	Low-E Double	Yes	0.33	0.35	N	6.333333	1 ft 6 in	8 ft 0 in	HERS 2006	None
_____	5	E	Wood	Low-E Double	Yes	0.33	0.35	N	27 ft²	1 ft 6 in	9 ft 0 in	HERS 2006	None
_____	6	S	Wood	Low-E Double	Yes	0.33	0.35	N	81 ft²	8 ft 0 in	0 ft 6 in	HERS 2006	None
_____	7	W	Wood	Low-E Double	Yes	0.33	0.35	N	27 ft²	1 ft 6 in	6 ft 6 in	HERS 2006	None
_____	8	W	Wood	Low-E Double	Yes	0.33	0.35	N	9.5 ft²	1 ft 6 in	7 ft 2 in	HERS 2006	None
_____	9	S	Wood	Low-E Double	Yes	0.33	0.35	N	16.66666	8 ft 0 in	0 ft 6 in	HERS 2006	None
_____	10	S	Wood	Low-E Double	Yes	0.33	0.35	N	13.33333	8 ft 0 in	0 ft 6 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
_____	Default	0.00036	1416	5.01	77.8	146.2	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	None	SEER: 13	48 kBtu/hr	1440 cfm	0.75	sys#0

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.7	48 kBtu/hr	sys#0

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	50 gal	120 deg	None

SOLAR HOT WATER SYSTEM

√	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft²		

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Interior	6	300 ft²	Interior	75 ft²	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: None

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 #:
, 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.	

Monthly Summary Energy Use Report

SRLH - BLAIS

, FL,
Registration #:

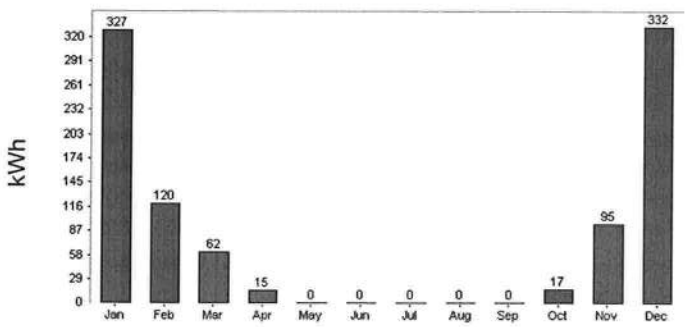
Title: PF09-136
FLAsBuilt

TMY City: FL_GAINESVILLE_R
Elec Util: Florida Average
Gas Util: Florida Average
Run Date: 12/03/2009 16:26:51

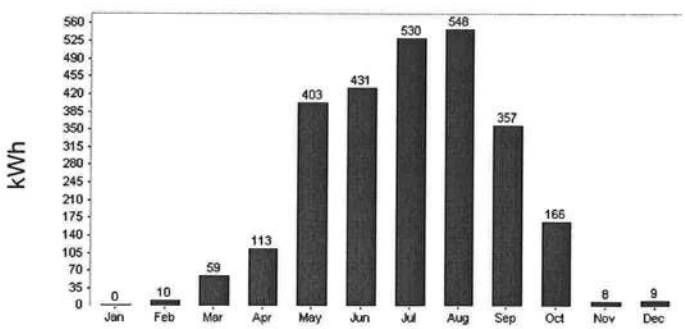
End-Use	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cooling	kWh	0	10	59	113	403	431	530	548	357	166	8	9	2581
Cooling Fan	kWh	0	2	12	23	82	88	108	111	72	34	2	2	524
Cooling Vent Fan	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Heating	kWh	327	120	62	15	0	0	0	0	0	17	95	332	968
Heating Fan/Pump	kWh	50	18	9	2	0	0	0	0	0	2	14	51	147
Heating Vent Fan	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Hot Water	kWh	223	200	212	190	178	159	156	156	160	181	192	214	2222
Hot Water Pump	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Ceiling Fans	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Clothes Washer	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Dishwasher	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Dryer	kWh	76	68	76	73	76	73	76	76	73	76	73	76	891
Lighting	kWh	141	127	141	136	141	136	141	141	136	141	136	141	1655
Miscellaneous	kWh	189	171	189	183	189	183	189	189	183	189	183	189	2223
Pool Pump	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Range	kWh	38	34	38	37	38	37	38	38	37	38	37	38	447
Refrigerator	kWh	66	59	66	64	66	64	66	66	64	66	64	66	775
Photovoltaics	kWh	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost	$	100	72	78	74	105	105	118	119	96	82	72	101	1118

Total kWh	12433	$1118
Total Therms	0	$0
Total Oil Gallons	0	$0
Total Propane Gallons	0	$0
Total PV Produced	0	$0

Heating Energy Use



Cooling Energy Use



Building Input Summary Report

PROJECT

Title:	PF09-136	Bedrooms:	2	Adress Type:	Street Address
Building Type:	User	Bathrooms:	0	Lot #	
Owner:	SRLH - BLAIS	Conditioned Area:	1500	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:		Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	COLUMBIA
Jurisdiction:		Cross Ventilation:		City, State, Zip:	,
Family Type:	Single-family	Whole House Fan:			FL ,
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

Design Location	Tmy Site	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_REGIONAL_AP	32	92	70	75	1305.5	51	Medium

UTILITY RATES

Fuel	Unit	Utility Name	Monthly Fixed Cost	$/Unit
Electricity	kWh	Florida Average	0	0.09
Natural Gas	Therm	Florida Average	0	1.72
Fuel Oil	Gallon	Florida Default	0	1.1
Propane	Gallon	Florida Default	0	1.4

SURROUNDINGS

Ornt	Type	Shade Trees Height	Shade Trees Width	Shade Trees Distance	Adjacent Buildings Exist	Adjacent Buildings Height	Adjacent Buildings Width	Adjacent Buildings Distance
N	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
NE	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
E	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
SE	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
S	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
SW	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
W	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft
NW	None	0 ft	0 ft	0 ft		0 ft	0 ft	0 ft

FLOORS

#	Floor Type	R-Value	Area	Tile	Wood	Carpet
1	Raised Floor	19	1500 ft²	0	0	1

ROOF

#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
1	Gable or shed	Composition shingles	1952 ft²	624 ft²	Medium	0.96	No	0	39.8 deg

ATTIC

#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
1	Full cathedral ceiling	Vented	300	1500 ft²	N	N

Building Input Summary Report

CEILING

#	Ceiling Type	R-Value	Area	Framing Fraction	Truss Type
1	Cathedral/Single Assembly (Vented)	30	1500 ft²	0.11	Wood

WALLS

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

#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
1	N	Exterior	Log - 6 inch	0.01	50		10		500 ft²	0	0	0.75
2	E	Exterior	Log - 6 inch	0.01	30		14	10	445 ft²	0	0	0.75
3	S	Exterior	Log - 6 inch	0.01	50		10		500 ft²	0	0	0.75
4	W	Exterior	Log - 6 inch	0.01	30		14	10	445 ft²	0	0	0.75

DOORS

#	Ornt	Door Type	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
1	N	Wood	None	0.46	3		6	8	20 ft²
2	S	Wood	None	0.46	0	9	6	8	5 ft²

WINDOWS

#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storm	Area	Overhang Depth	Overhang Separation	Interior Shade	Screening
1	N	Wood	Low-E Double	Yes	0.33	0.35	N	9.5 ft²	9 ft 8 in	1 ft 7 in	Drapes/blinds	None
2	N	Wood	Low-E Double	Yes	0.33	0.35	N	12.67 ft²	9 ft 8 in	1 ft 7 in	Drapes/blinds	None
3	N	Wood	Low-E Double	Yes	0.33	0.35	N	27 ft²	9 ft 8 in	1 ft 7 in	Drapes/blinds	None
4	E	Wood	Low-E Double	Yes	0.33	0.35	N	6.33 ft²	1 ft 6 in	8 ft 0 in	Drapes/blinds	None
5	E	Wood	Low-E Double	Yes	0.33	0.35	N	27 ft²	1 ft 6 in	9 ft 0 in	Drapes/blinds	None
6	S	Wood	Low-E Double	Yes	0.33	0.35	N	81 ft²	8 ft 0 in	0 ft 6 in	Drapes/blinds	None
7	W	Wood	Low-E Double	Yes	0.33	0.35	N	27 ft²	1 ft 6 in	6 ft 6 in	Drapes/blinds	None
8	W	Wood	Low-E Double	Yes	0.33	0.35	N	9.5 ft²	1 ft 6 in	7 ft 2 in	Drapes/blinds	None
9	S	Wood	Low-E Double	Yes	0.33	0.35	N	16.67 ft²	8 ft 0 in	0 ft 6 in	Drapes/blinds	None
10	S	Wood	Low-E Double	Yes	0.33	0.35	N	13.33 ft²	8 ft 0 in	0 ft 6 in	Drapes/blinds	None

INFILTRATION & VENTING

Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50	---- Forced Ventilation ---- Supply	Exhaust	Run Time	Terrain/Wind Shielding
Best Guess	0.00050	1967	108.0	203.1	0.385	6.96	0	0	0	Suburban / Suburban

MASS

Mass Type	Area	Thickness	Furniture Fraction
No Added Mass	0 ft²	0 ft	0.3

Building Input Summary Report

COOLING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
1	Central Unit	None	SEER: 13	48 kBtu/hr	1440 cfm	0.75	False

HEATING SYSTEM

#	System Type	Subtype	Efficiency	Capacity	Ductless
1	Electric Heat Pump	None	HSPF: 7.7	48 kBtu/hr	False

HOT WATER SYSTEM

#	System Type	EF	Cap	Use	SetPnt	Credits
1	Electric	0.92	40 gal	120 gal	120 deg	None

SOLAR HOT WATER

Collector Type	Collector Tilt	Azimuth	Surface Area	Loss Coef.	Absorp. Prod.	Trans Corr.	Tank Volume	Tank U-Value	Tank Surf Area	Heat Exch Eff	PV Pumped	Pump Energy

DUCTS

#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Number	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
1	Interior	6	300 ft²	Interior	75 ft²	(invalid)	Default Leakage	Interior	(Default)	(Default)		

TEMPERATURES

Programable Thermostat: None Ceiling Fans: N

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[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	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	80	80	78	78	78	78	78	78	78	78
Heating (WD)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	65	65	65	65	65	65	65	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

Building Input Summary Report

APPLIANCES & LIGHTING

Appliance Schedule: HERS 2006 Reference Schedule Type		Hours 1	2	3	4	5	6	7	8	9	10	11	12
Ceiling Fans (Summer)	AM	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.33	0.33	0.33	0.33	0.33
% Released: 100	PM	0.33	0.33	0.33	0.33	0.33	1	0.9	0.9	0.9	0.9	0.9	0.65
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									
Clothes Washer	AM	0.105	0.081	0.047	0.047	0.081	0.128	0.256	0.57	0.849	1	0.977	0.872
% Released: 60	PM	0.779	0.698	0.605	0.57	0.581	0.57	0.57	0.57	0.57	0.488	0.43	0.198
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									
Dishwasher	AM	0.139	0.05	0.028	0.024	0.029	0.09	0.169	0.303	0.541	0.594	0.502	0.443
% Released: 60	PM	0.377	0.396	0.335	0.323	0.344	0.448	0.791	1	0.8	0.597	0.383	0.281
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									
Dryer	AM	0.2	0.1	0.05	0.05	0.05	0.075	0.2	0.375	0.5	0.8	0.95	1
% Released: 10	PM	0.875	0.85	0.8	0.625	0.625	0.6	0.575	0.55	0.625	0.7	0.65	0.375
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									
Lighting	AM	0.16	0.15	0.16	0.18	0.23	0.45	0.4	0.26	0.19	0.16	0.12	0.11
% Released: 90	PM	0.16	0.17	0.25	0.27	0.34	0.55	0.55	0.88	1	0.86	0.51	0.28
Annual Use: 455 kWh/Yr				Peak Value: 149 Watts									
Miscellaneous	AM	0.48	0.47	0.47	0.47	0.47	0.47	0.64	0.71	0.67	0.61	0.55	0.53
% Released: 90	PM	0.52	0.5	0.5	0.5	0.59	0.73	0.79	0.99	1	0.96	0.77	0.55
Annual Use: 760 kWh/Yr				Peak Value: 139 Watts									
Pool Pump	AM	0	0	0	0	0	0	0	0	0	1	1	1
% Released: 0	PM	1	1	1	1	0	0	0	0	0	0	0	0
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									
Range	AM	0.057	0.057	0.057	0.057	0.057	0.114	0.171	0.286	0.343	0.343	0.343	0.4
% Released: 100	PM	0.457	0.343	0.286	0.4	0.571	1	0.857	0.429	0.286	0.229	0.171	0.114
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									
Refrigeration	AM	0.85	0.78	0.75	0.73	0.73	0.73	0.75	0.75	0.8	0.8	0.8	0.8
% Released: 100	PM	0.88	0.85	0.85	0.83	0.88	0.95	1	0.98	0.95	0.93	0.9	0.85
Annual Use: 775 kWh/Yr				Peak Value: 106 Watts									
Well Pump	AM	0.05	0.05	0.05	0.05	0.05	0.05	0.1	0.1	0.1	0.1	0.1	0.1
% Released: 0	PM	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Annual Use: 0 kWh/Yr				Peak Value: 0 Watts									

Florida Code Summary Report

SRLH - BLAIS

, FL,
Registration #:

Title: PF09-136
FLAsBuilt

TMY City: FL_GAINESVILLE_R
Elec Util: Florida Average
Gas Util: Florida Average
Run Date: 12/03/2009 15:18:59

Energy Uses	Baseline Home	As-Built Home	e-Ratio
Heating	5.17 MBtu	3.81 MBtu	0.74
Cooling	13.07 MBtu	10.60 MBtu	0.81
Hot Water	7.58 MBtu	7.58 MBtu	1.00
Total	25.82 MBtu	21.99 MBtu	0.85

Building Loads	Baseline Home	As-Built Home	e-Ratio
Heating	9.60 MBtu	7.07 MBtu*	0.74
Cooling	29.01 MBtu	23.52 MBtu*	0.81
Hot Water	6.95 MBtu	6.96 MBtu*	1.00
Total	45.57 MBtu	37.55 MBtu	0.82

* normalized modified loads

Glass/Floor Area: 0.153	Total As-Built Modified Loads: 37.55 Total Baseline Loads: 45.57	**PASS**

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

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

, , 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	2
5. Is this a worst case?	No
6. Conditioned floor area (ft²)	1500

7. Windows**

	Description	Area
a. U-Factor:	Dbl, U=0.33	230.00 ft²
SHGC:	SHGC=0.35	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types

	Insulation	Area
a. Raised Floor	R=19.0	1500.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types

	Insulation	Area
a. Log - 6 inch, Exterior	R=0.0	1890.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types

	Insulation	Area
a. Cathedral/Single Assembly (Vented)	R=30.0	1500.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts

a. Sup: Interior Ret: Interior AH: Interior Sup. R= 6, 300 ft²

12. Cooling systems

a. Central Unit — Cap: 48.0 kBtu/hr, SEER: 13

13. Heating systems

a. Electric Heat Pump — Cap: 48.0 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

**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.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 82

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

, , 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		2	
5. Is this a worst case?		No	
6. Conditioned floor area (ft²)		1500	
7. Windows**	Description		Area
a. U-Factor: SHGC:	Dbl, U=0.33 SHGC=0.35		230.00 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. Raised Floor	R=19.0	1500.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Log - 6 inch, Exterior	R=0.0	1890.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Cathedral/Single Assembly (Vented)	R=30.0	1500.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Interior Ret: Interior AH: Interior Sup. R= 6, 300 ft²

12. Cooling systems
a. Central Unit — Cap: 48.0 kBtu/hr SEER: 13

13. Heating systems
a. Electric Heat Pump — Cap: 48.0 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: _____

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.

Monthly Summary Utility Bill Report

SRLH - BLAIS

, FL,
Registration #:

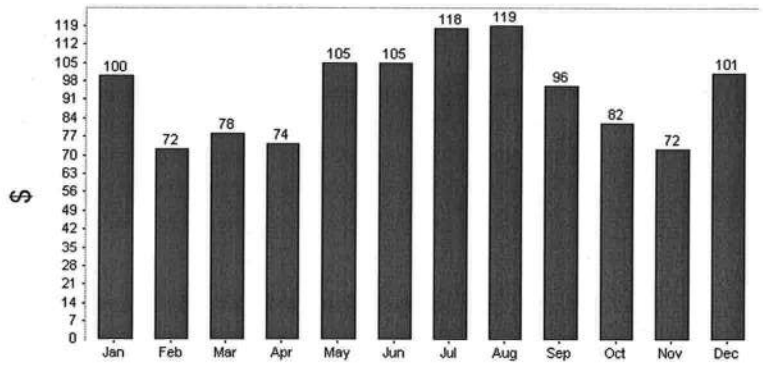
Title: PF09-136
FLAsBuilt

TMY City: FL_GAINESVILLE_R
Elec Util: Florida Average
Gas Util: Florida Average
Run Date: 12/03/2009 16:26:51

End-Use	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Cooling	0	1	5	10	36	39	48	49	32	15	1	1	$232
Cooling Fan	0	0	1	2	7	8	10	10	6	3	0	0	$47
Cooling Vent Fan	0	0	0	0	0	0	0	0	0	0	0	0	$0
Heating	29	11	6	1	0	0	0	0	0	2	9	30	$87
Heat Fan/Pump	5	2	1	0	0	0	0	0	0	0	1	5	$13
Heat Vent Fan	0	0	0	0	0	0	0	0	0	0	0	0	$0
Hot Water	20	18	19	17	16	14	14	14	14	16	17	19	$200
Hot Water Pump	0	0	0	0	0	0	0	0	0	0	0	0	$0
Ceiling Fans	0	0	0	0	0	0	0	0	0	0	0	0	$0
Clothes Washer	0	0	0	0	0	0	0	0	0	0	0	0	$0
Dishwahser	0	0	0	0	0	0	0	0	0	0	0	0	$0
Dryer	7	6	7	7	7	7	7	7	7	7	7	7	$80
Lighting	13	11	13	12	13	12	13	13	12	13	12	13	$149
Miscellaneous	17	15	17	16	17	16	17	17	16	17	16	17	$200
Pool Pump	0	0	0	0	0	0	0	0	0	0	0	0	$0
Range	3	3	3	3	3	3	3	3	3	3	3	3	$40
Refrigerator	6	5	6	6	6	6	6	6	6	6	6	6	$70
Photovoltaics	0	0	0	0	0	0	0	0	0	0	0	0	0
Cost by Month	100	72	78	74	105	105	118	119	96	82	72	101	$1118

Total kWh	12433	$1118
Total Therms	0	$0
Total Oil Gallons	0	$0
Total Propane Gallons	0	$0
Total PV Produced	0	$0

Monthly Utility Bill



SUWANNEE
RIVER
WATER
MANAGEMENT
DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: (386) 362-1001
TELEPHONE: 800-226-1066
FAX (386) 362-1056

GENERAL PERMIT

PERMITTEE:
JANE BLAIS
252 SE RIVERSIDE CIRCLE
HIGH SPRINGS, FL 32643

PERMIT NUMBER: ERP07-0031M
DATE ISSUED: 01/07/2010
DATE EXPIRES: 01/07/2013
COUNTY: COLUMBIA
TRS: S27/T7S/R17E

PROJECT: JANE BLAIS DISTRICT FLOODWAY RESIDENCE MODIFICATION

Approved entity to whom operation and maintenance may be transferred pursuant to rule 40B-4.1130, Florida Administrative Code (F.A.C.):

JANE BLAIS
252 SE RIVERSIDE CIRCLE
HIGH SPRINGS, FL 32643

Based on information provided, the Suwannee River Water Management District's (District) rules have been adhered to and an environmental resource general permit is in effect for the permitted activity description below:

This permit authorizes a single family residence with a 10 foot by 20 foot deck and a 12 foot by 20 foot floating dock within the regulatory floodway of the Sante Fe River. The project will be completed in a manner consistent with the application package received by the District on December 15, 2009, and the plans received on December 22, 2010. The plans were certified by Gary Gill, P.E., on December 16, 2009, and subject to conditions of District rule(s) 40B-4.3030, F.A.C.

It is your responsibility to ensure that adverse off-site impacts do not occur either during or after construction. Any additional construction or alterations not authorized by this permit may result in flood control or water quality problems both on and off site and will be a violation of District rule.

You or any other substantially affected persons are entitled to request an administrative hearing or mediation. Please refer to enclosed notice of rights.

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
9225 CR 49
LIVE OAK, FLORIDA 32060
TELEPHONE: 386/362-1001
TELEPHONE: 800/226-1066
FAX 386/362-1056

SUWANNEE RIVER WATER MANAGEMENT DISTRICT
SOVEREIGNTY SUBMERGED LANDS MANAGEMENT
GENERAL CONDITIONS FOR
CONSENT OF USE

JANE BLAIS DISTRICT FLOODWAY RESIDENCE MODIFICATION
ERP07-0031M

1. No activities other than those set forth in the attached letter dated January 7, 2010, are authorized. Any additional activities on state-owned sovereignty submerged lands must receive further consent from the Governor and Cabinet, sitting as the Board of Trustees of the Internal Improvement Trust Fund (hereinafter the "Board") or their properly designated agent.

2. Grantee agrees that all title and interest to all lands lying below the historical mean high water line or ordinary high water line are vested in the Board, and shall make no claim of title or interest in said lands by reason of the occupancy or use thereof.

3. Grantee agrees to use or occupy the subject premises for those purposes specified herein, and Grantee shall not permit the premises or any part thereof to be used or occupied for any other purpose or knowingly permit or suffer any nuisances or illegal operations of any kind on the premises.

4. Grantee agrees to maintain the premises in good condition in the interest of the public health, safety and welfare. The premises are subject to inspection by the Board or its designated agent at any reasonable time.

5. Grantee agrees to indemnify, defend, and hold harmless, the Board and the State of Florida from all claims, actions, lawsuits, and demands arising out of this consent.

6. No failure or successive failures, on the part of the Board to enforce any provision, waiver, or successive waivers on the part of the Board of any provision herein, shall operate as a discharge thereof or render the same inoperative or impair the right of the Board to enforce the same in the event of subsequent breach.

7. Grantee binds itself and its successors and assigns to abide by the provisions and conditions set forth herein. In the event Grantee fails or refuses to comply with the provisions and condition of this consent, the Consent of Use may be terminated by the Board after written notice to the Grantee. Upon receipt of such notice, the Grantee shall have thirty (30) days in which to correct the violation. Failure to correct the violations within this period shall result in the automatic revocation of this Letter of Consent.

8. All costs, including attorneys' fees, incurred by the Board in enforcing the terms and conditions of this consent shall be paid by the Grantee. Grantee agrees to accept service by certified mail of any notice required by Chapter 18-14, Florida Administrative Code, at the address shown on the attached Consent of Use letter and further agrees to notify the Board in writing of any change of address at least ten days before the change becomes effective.

9. Grantee agrees to assume responsibility for all liabilities that accrue to the sovereignty submerged land or to the Improvements thereon, including any and all drainage or special assessments or taxes of every kind and description which are now or may be lawfully assessed and levied against the property during the effective period of this consent.

10. Grantee agrees that any dispute arising from matters relating to this consent shall be governed by the laws of Florida.

11. The Letter of Consent associated with these General consent conditions, as well as these conditions themselves, are subject to modification after five years in order to reflect any applicable changes in statutes, rule, or policies of the Board or its designated agent.

12. In the event that any part of the structure(s) consented to herein is determined by a final adjudication issued by a court of competent jurisdiction to encroach on or interfere with adjacent riparian rights, Grantee agrees to either obtain written consent for the offending structure from the affected riparian owner or to remove the interference or encroachment within 60 days from the date of the adjudication. Failure to comply shall constitute a material breach of this consent and shall be grounds for its immediate termination.

5. The permit does not convey to the permittee any property right nor any rights or privileges other than those specified in the permit and chapter 40B-1, F.A.C.

6. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance, alteration, abandonment, or development in a Works of the District which is authorized by the permit.

7. The permit is issued based on the information submitted by the applicant which reasonably demonstrates that adverse off-site water resource impacts will not be caused by the permitted activity. It is the responsibility of the permittee to insure that such adverse impacts do not in fact occur either during or after construction.

8. It is the responsibility of the permittee to obtain all other clearances, permits, or authorizations required by any unit of local, state, or federal government.

9. The surfacewater management system shall be constructed prior to or concurrent with the development that the system is intended to serve and the system shall be completed within 30 days of substantial completion of the development which the system is intended to serve.

10. Except for General Permits After Notice or permits issued to a unit of government, or unless a different schedule is specified in the permit, the system shall be inspected at least once every third year after transfer of a permit to operation and maintenance by the permittee or his agent to ascertain that the system is being operated and maintained in a manner consistent with the permit. A report of inspection is to be sent to the District within 30 days of the inspection date. If required by chapter 471, F.S., such inspection and report shall be made by an engineer.

11. The permittee shall allow reasonable access to District personnel or agents for the purpose of inspecting the system to insure compliance with the permit. The permittee shall allow the District, at its expense, to install equipment or devices to monitor performance of the system authorized by their permit.

12. The surfacewater management system shall be operated and maintained in a manner which is consistent with the conditions of the permit and chapter 40B-4.2040, F.A.C.

13. The permittee is responsible for the perpetual operation and maintenance of the system unless the operation and maintenance is transferred pursuant to chapter 40B-4.1130, F.A.C., or the permit is modified to authorize a new operation and maintenance entity pursuant to chapter 40B-4.1110, F.A.C.

14. All activities shall be implemented as set forth in the plans, specifications and performance

criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

15. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

16. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.

17. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site-specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

18. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven days after the construction activity in that portion of the site has temporarily or permanently ceased.

19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40B-1.901(14) indicating the actual start date and the expected completion date.

20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40B-1.901(15). These forms shall be submitted during June of each following year.

21. For those systems which will be operated or maintained by an entity requiring an easement or deed restriction in order to provide that entity with the authority necessary to operate or maintain the system, such easement or deed restriction, together with any other final operation or maintenance

documents as are required by Paragraph 40B-4.2030(2)(g), F.A.C., and Rule 40B-4.2035, F.A.C., must be submitted to the District for approval. Documents meeting the requirements set forth in these subsections of District rules will be approved. Deed restrictions, easements and other operation and maintenance documents which require recordation either with the Secretary of State or Clerk of the Circuit Court must be so recorded prior to lot or unit sales within the project served by the system, or upon completion of construction of the system, whichever occurs first. For those systems which are proposed to be maintained by county or municipal entities, final operation and maintenance documents must be received by the District when maintenance and operation of the system is accepted by the local governmental entity. Failure to submit the appropriate final documents referenced in this paragraph will result in the permittee remaining liable for carrying out maintenance and operation of the permitted system.

22. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

23. Within 30 days after completion of construction of the permitted system, or independent portion of the system, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, using the supplied As-Built Certification Form No. 40B-1.901(16) incorporated by reference in Subsection 40B-1.901(16), F.A.C. When the completed system differs substantially from the permitted plans, any substantial deviations shall be noted and explained and two copies of as-built drawings submitted to the District. Submittal of the completed form shall serve to notify the District that the system is ready for inspection. The statement of completion and certification shall be based on on-site observation of construction (conducted by the registered professional engineer, or other appropriate individual as authorized by law, or under his or her direct supervision) or review of as-built drawings for the purpose of determining if the work was completed in compliance with approved plans and specifications. As-built drawings shall be the permitted drawings revised to reflect any changes made during construction. Both the original and any revised specifications must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawing. All surveyed dimensions and elevations shall be certified by a registered surveyor. The following information, at a minimum, shall be verified on the as-built drawings:

a. Dimensions and elevations of all discharge structures including all weirs, slots, gates, pumps, pipes, and oil and grease skimmers;

b. Locations, dimensions, and elevations of all filter, exfiltration, or underdrain systems including

cleanouts, pipes, connections to control structures, and points of discharge to the receiving waters;

c. Dimensions, elevations, contours, or cross-sections of all treatment storage areas sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems, when appropriate;

d. Dimensions, elevations, contours, final grades, or cross-sections of the system to determine flow directions and conveyance of runoff to the treatment system;

e. Dimensions, elevations, contours, final grades, or cross-sections of all conveyance systems utilized to convey off-site runoff around the system;

f. Existing water elevation(s) and the date determined; and

g. Elevation and location of benchmark(s) for the survey.

24. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the condition in paragraph 23 above, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with Rule 40B-4.2035, F.A.C., accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the approved responsible operation and maintenance operating entity if different from the permittee. Until the permit is transferred pursuant to Rule 40B-4.1130, F.A.C., the permittee shall be liable for compliance with the terms of the permit.

25. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior to implementation so that a determination can be made whether a permit modification is required.

26. This permit does not eliminate the necessity to obtain any required federal, state, local and special District authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and in this chapter and Chapter 40B-4, F.A.C.

27. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other

lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

28. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under 40B-400.046, F.A.C., provides otherwise.

29. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of Rule 40B-4.1130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

30. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

31. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

WITHIN 30 DAYS AFTER COMPLETION OF THE PROJECT, THE PERMITTEE SHALL NOTIFY THE DISTRICT, IN WRITING, THAT THE FACILITIES ARE COMPLETE.

Approved by _____ Date Approved 1-15-10
District Staff

_____ _____
Clerk Executive Director

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

NOTICE OF RIGHTS

1. A person whose substantial interests are or may be determined has the right to request an administrative hearing by filing a written petition with the Suwannee River Water Management District (District), or may choose to pursue mediation as an alternative remedy under Section 120.569 and 120.573, Florida Statutes, before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for pursuing mediation are set forth in Sections 120.569 and 120.57 Florida Statutes. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). A petition must comply with Chapter 28-106, Florida Administrative Code.

2. If the Governing Board takes action which substantially differs from the notice of District decision to grant or deny the permit application, a person whose substantial interests are or may be determined has the right to request an administrative hearing or may chose to pursue mediation as an alternative remedy as described above. Pursuant to Rule 28-106.111, Florida Administrative Code, the petition must be filed at the office of the District Clerk at District Headquarters, 9225 C.R. 49, Live Oak, Florida 32060 within twenty-one (21) days of receipt of written notice of the decision or within twenty-one (21) days of newspaper publication of the notice of District decision (for those persons to whom the District does not mail actual notice). Such a petition must comply with Chapter 28-106, Florida Administrative Code.

3. A substantially interested person has the right to a formal administrative hearing pursuant to Section 120.569 and 120.57(1), Florida Statutes, where there is a dispute between the District and the party regarding an issue of material fact. A petition for formal hearing must comply with the requirements set forth in Rule 28-106.201, Florida Administrative Code.

4. A substantially interested person has the right to an informal hearing pursuant to Section 120.569 and 120.57(2), Florida Statutes, where no material facts are in dispute. A petition for an informal hearing must comply with the requirements set forth in Rule 28-106.301, Florida Administrative Code.

5. A petition for an administrative hearing is deemed filed upon receipt of the petition by the Office of the District Clerk at the District Headquarters in Live Oak, Florida.

6. Failure to file a petition for an administrative hearing within the requisite time frame shall constitute a waiver of the right to an administrative hearing pursuant to Rule 28-106.111, Florida Administrative Code.

7. The right to an administrative hearing and the relevant procedures to be followed is governed by Chapter 120, Florida Statutes, and Chapter 28-106, Florida Administrative Code.

8. Pursuant to Section 120.68, Florida Statutes, a person who is adversely affected by final District action may seek review of the action in the District Court of Appeal by filing a notice of appeal pursuant to the Florida Rules of Appellate Procedure, within 30 days of the rendering of the final District action.

9. A party to the proceeding before the District who claims that a District order is inconsistent with the provisions and purposes of Chapter 373, Florida Statutes, may seek review of the order pursuant to Section 373.114, Florida Statutes, by the Florida Land and Water Adjudicatory Commission, by filing a request for review with the Commission and serving a copy of the Department of Environmental Protection and any person named in the order within 20 days of adoption of a rule or the rendering of the District order.

10. For appeals to the District Courts of Appeal, a District action is considered rendered after it is signed on behalf of the District, and is filed by the District Clerk.

11. Failure to observe the relevant time frames for filing a petition for judicial review, or for Commission review, will result in waiver of the right to review.

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing Notice of Rights has been sent by U.S. Mail to:

JANE BLAIS
252 SE RIVERSIDE CIRCLE
HIGH SPRINGS, FL 32643

At 4:00 p.m. this 19 day of Jan, 2010.

Jon M. Dinges
Deputy Clerk
Suwannee River Water Management District
9225 C.R. 49
Live Oak, Florida 32060

386.362.1001 or 800.226.1066 (Florida only)

cc: File Number: ERP07-0031M

GTC DESIGN GROUP

28390
Revisions

STRUCTURAL AND WIND LOAD CALCULATIONS
Revision 1 – 5/15/10
For

Suwannee River Log Homes

Jane Blais

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

MECAWind Version 2.0.2.8 per ASCE 7-05

Developed by MECA Enterprises, Inc. Copyright 2010 www.mecaenterprises.com

Date	: 4/14/2010	Project No.	: PF09-096
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Ted Smith Residence
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Alachua County

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais rev 1.wnd

Detailed Wind Load Design(Method 2) per ASCE 7-05

Basic Wind Speed(V)	= 120.00 mph	Structure Type	= Building
Structural Category	= II	Exposure Category	= C
Natural Frequency	= N/A	Flexible Structure	= No
Importance Factor	= 1.00	Kd Directional Factor	= 0.85
Alpha	= 9.50	Zg	= 900.00 ft
At	= 0.11	Bt	= 1.00
Am	= 0.15	Bm	= 0.65
Cc	= 0.20	l	= 500.00 ft
Epsilon	= 0.20	Zmin	= 15.00 ft
Slope of Roof	= 12 : 12	Slope of Roof(Theta)	= 45.00 Deg
Ht: Mean Roof Ht	= 17.00 ft	Type of Roof	= Gabled
RHt: Ridge Ht	= 25.50 ft	Eht: Eave Height	= 8.50 ft
OH: Roof Overhang at Eave	= 1.00 ft	Roof Area	= 2404.00 ft^2
Bldg Length Along Ridge	= 50.00 ft	Bldg Width Across Ridge	= 32.00 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: 0.6*Ht		= 15.00 ft
lzm: Cc*(33/Zm)^0.167		= 0.23
Lzm: l*(Zm/33)^Epsilon		= 427.06 ft
Q: (1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5		= 0.93
Gust2: 0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))		= 0.89

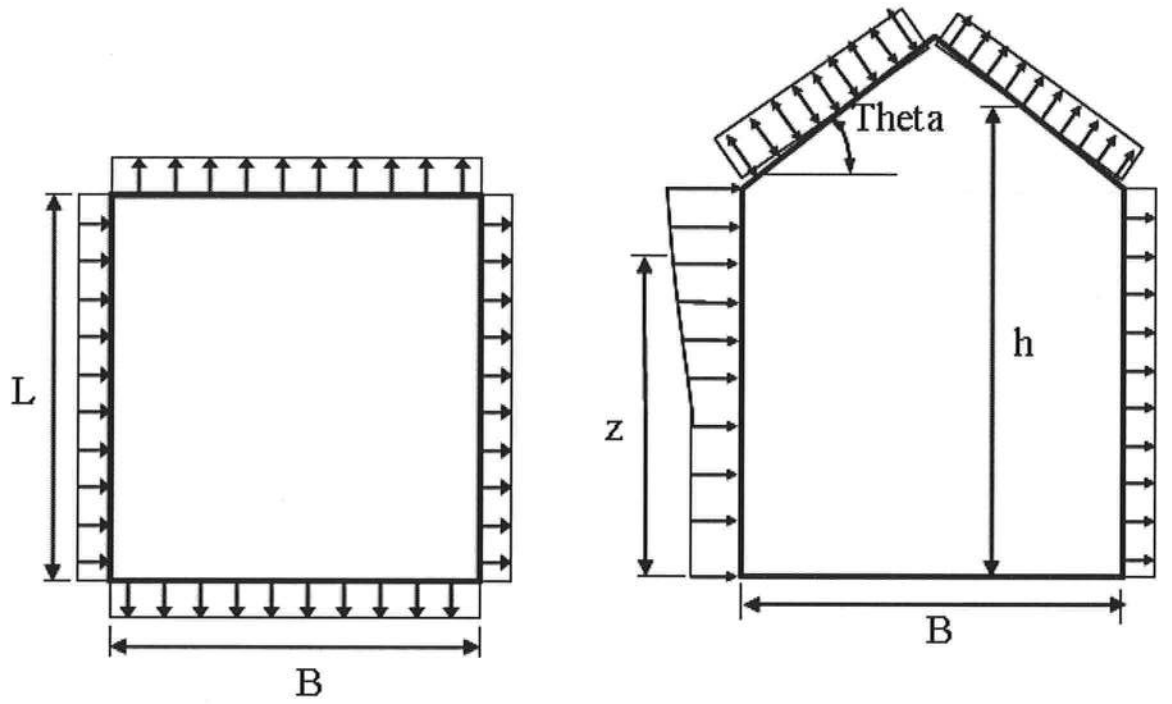
Gust Factor Summary

Not a Flexible Structure use the Lessor of Gust1 or Gust2	= 0.85

Figure 6-5 Internal Pressure Coefficients for Buildings, GCpi

GCPi : Internal Pressure Coefficient	= +/-0.18

Figure 6-6 External Pressure Coefficients
Cp - Loads on Main Wind-Force Resisting Systems(Method 2)



Kh: 2.01*(Ht/Zg)^(2/Alpha)	=	0.87
Kht: Topographic Factor (Figure 6-4)	=	1.00
Qh: .00256*(V)^2*I*Kh*Kht*Kd	=	27.31 psf
Cpww: Windward Wall Cp(Ref Fig 6-6)	=	0.80
Roof Area	=	2404.00 ft^2
Reduction Factor based on Roof Area	=	0.80

MWFRS-Wall Pressures Perpendicular to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)
Leeward Walls	-0.50	-16.52	-6.69
Side Walls	-0.70	-21.16	-11.33

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
25.50	15.50	0.95	1.00	29.74	15.31	25.14	31.83	8.8	24.1
20.00	10.00	0.90	1.00	28.26	14.30	24.13	30.82	24.2	188.7
10.00	.00	0.85	1.00	26.60	13.17	23.00	29.69	39.0	504.6

Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof Location	Cp	+GCpi(psf)	-GCpi(psf)
Windward - Min Cp	.00	-4.92	4.92
Windward - Max Cp	0.39	4.14	13.97
Leeward Perp to Ridge	-0.60	-18.84	-9.01
Overhang Top (Windward)	.00	.00	.00
Overhang Top (Leeward)	-0.60	-13.93	-13.93
Overhang (Windward only)	0.80	18.09	18.09

MWFRS-Wall Pressures Parallel to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)

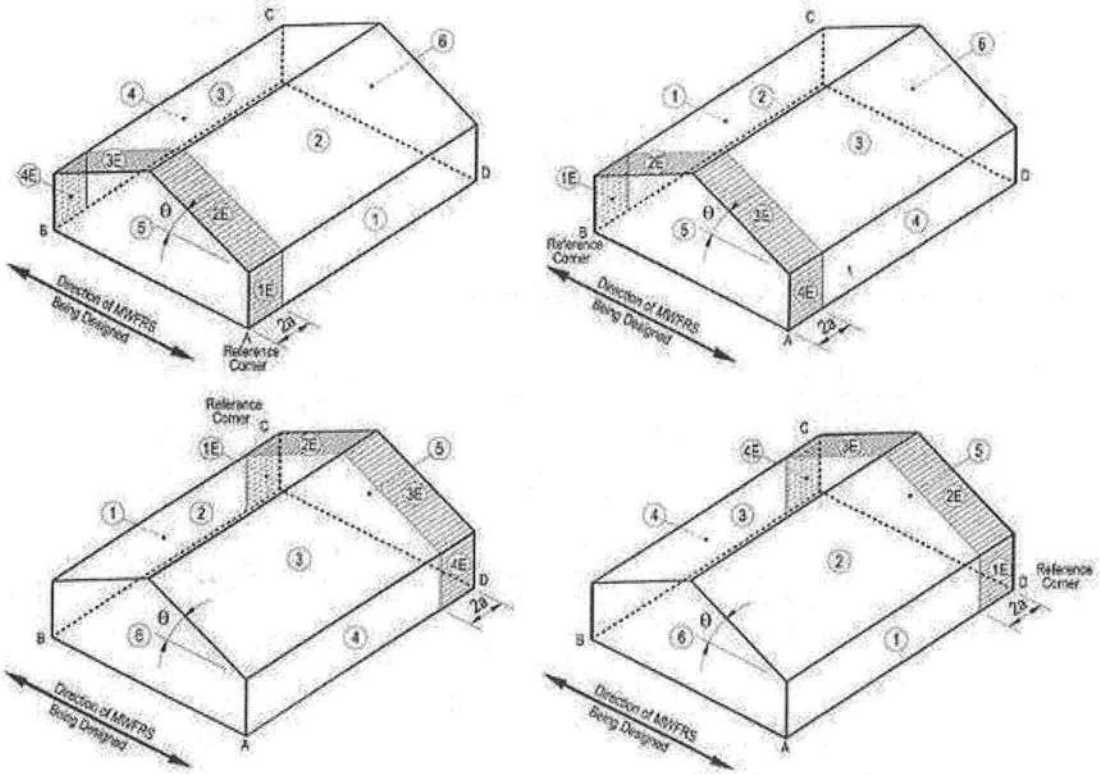
Leeward Walls	-0.39	-13.91	-4.08
Side Walls	-0.70	-21.16	-11.33

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
25.50	15.50	0.95	1.00	29.74	15.31	25.14	29.22	5.1	14.1
20.00	10.00	0.90	1.00	28.26	14.30	24.13	28.21	14.2	110.7
10.00	.00	0.85	1.00	26.60	13.17	23.00	27.08	22.8	295.7

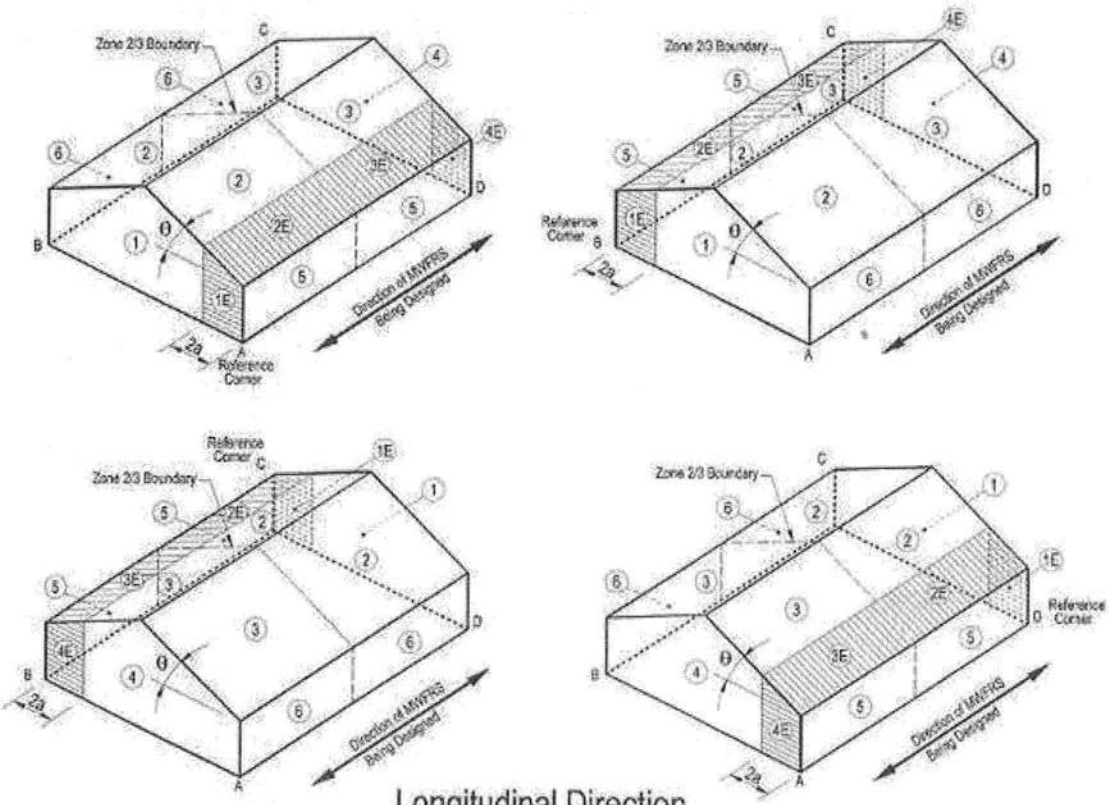
Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof - Dist from Windward Edge	Cp	+GCpi(psf)	-GCpi(psf)
0.0 ft to 8.5 ft	-0.90	-25.81	-15.98
8.5 ft to 17.0 ft	-0.90	-25.81	-15.98
17.0 ft to 34.0 ft	-0.50	-16.52	-6.69
34.0 ft to 50.0 ft	-0.30	-11.88	-2.05

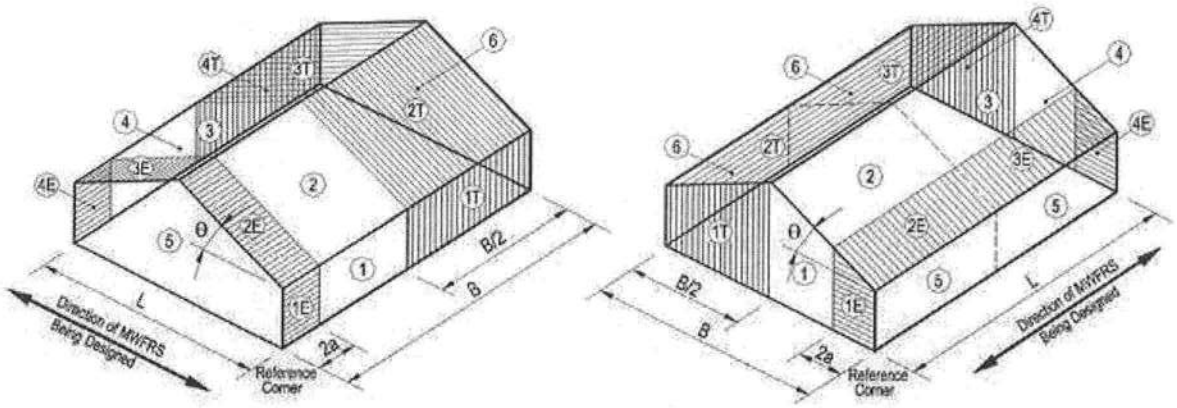
Basic Load Cases



Transverse Direction



Longitudinal Direction



Transverse Direction

Longitudinal Direction

Torsional Load Cases

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Transverse Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.56	0.18	-0.18	27.31	10.38	20.21
2	0.21	0.18	-0.18	27.31	0.82	10.65
3	-0.43	0.18	-0.18	27.31	-16.66	-6.83
4	-0.37	0.18	-0.18	27.31	-15.02	-5.19
5	-0.45	0.18	-0.18	27.31	-17.21	-7.37
6	-0.45	0.18	-0.18	27.31	-17.21	-7.37
1E	0.69	0.18	-0.18	27.31	13.93	23.76
2E	0.27	0.18	-0.18	27.31	2.46	12.29
3E	-0.53	0.18	-0.18	27.31	-19.39	-9.56
4E	-0.48	0.18	-0.18	27.31	-18.02	-8.19
1T	*	*	*	*	2.59	5.05
2T	*	*	*	*	0.20	2.66
3T	*	*	*	*	-4.16	-1.71
4T	*	*	*	*	-3.76	-1.30

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Longitudinal Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.4	0.18	-0.18	27.31	6.01	15.84
2	-0.69	0.18	-0.18	27.31	-23.76	-13.93
3	-0.37	0.18	-0.18	27.31	-15.02	-5.19
4	-0.29	0.18	-0.18	27.31	-12.84	-3.00
5	-0.45	0.18	-0.18	27.31	-17.21	-7.37
6	-0.45	0.18	-0.18	27.31	-17.21	-7.37
1E	0.61	0.18	-0.18	27.31	11.74	21.57
2E	-1.07	0.18	-0.18	27.31	-34.14	-24.31
3E	-0.53	0.18	-0.18	27.31	-19.39	-9.56
4E	-0.43	0.18	-0.18	27.31	-16.66	-6.83
1T	*	*	*	*	1.50	3.96
2T	*	*	*	*	-5.94	-3.48
3T	*	*	*	*	-3.76	-1.30

4T	*	*	*	*	-3.21	-0.75

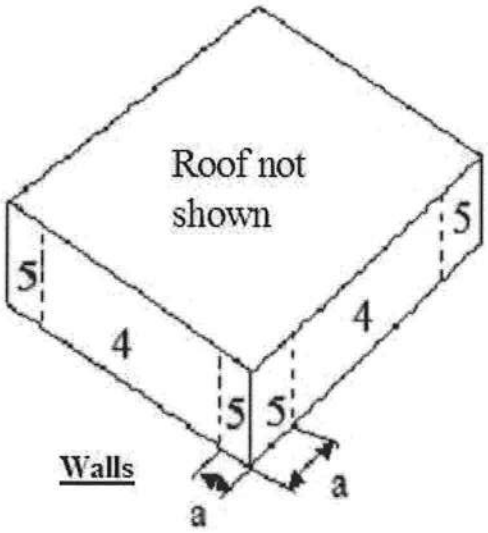
Notes: 1) Min P = qh * (GCPf - (+GCpi))
Notes: 2) Max P = qh * (GCPf - (-GCpi))
Notes: 3) * For Torsional Load Cases, the zones are designated with a "T". The pressures(Min P & Max P) are 25% of the full design wind pressures(Ld Case 1T=25%*1(ld case 1),2T=25%*2,3T=25%*3,4T=25%*4).
Exceptions to Torsional Load Cases: One story buildings with mean roof height<=30 ft(9.1m), buildings with two stories or less framed with light frame construction, and buildings two stories or less designed with flexible diaphragms need not be designed for the Torsional Load Cases. (Note 5 of Figure 6-10)

MECAWind Version 2.0.2.8 ASCE 7-05

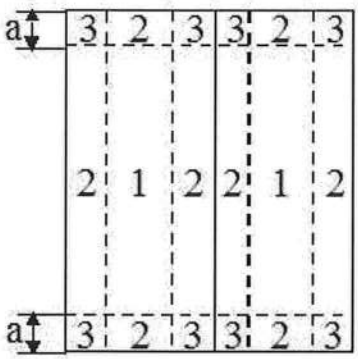
Developed by MECA Enterprises, Inc. Copyright 2010 www.mecaenterprises.com

Date	: 4/14/2010	Project No.	: PF09-096
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Ted Smith Residence
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Alachua County

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais rev 1.wnd



Walls



Gable Roof 7 < θ <= 45

Wind Pressure on Components and Cladding

Width of Pressure Coefficient Zone "a" = 3.2 ft

Description	Width ft	Span ft	Area ft^2	Zone	Max GCp	Min GCp	Max P psf	Min P psf
Walls corner	10.00	1.00	10.00	5	1.000	-1.400	32.225	-43.149
Walls	10.00	1.00	10.00	4	1.000	-1.100	32.225	-34.956
Roof Corner	10.00	1.00	10.00	3	0.900	-1.200	29.494	-37.687
Roof Edge	10.00	1.00	10.00	2	0.900	-1.200	29.494	-37.687
Roof	10.00	1.00	10.00	1	0.900	-1.000	29.494	-32.225

Khcc:Comp. & Clad. Table 6-3 Case 1 = 0.87

Qhcc:.00256*V^2*I*Khcc*Kht*Kd = 27.31 psf

MECAWind Version 2.0.2.8 per ASCE 7-05

Date	: 4/14/2010	Project No.	: PF09-096
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Blais Residence - Open Porch
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Alachua County

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais porch rev 1.wnd

Detailed Wind Load Design(Method 2) per ASCE 7-05

Basic Wind Speed(V)	= 110.00 mph	Structure Type	= Building
Structural Category	= II	Exposure Category	= B
Natural Frequency	= N/A	Flexible Structure	= No
Importance Factor	= 1.00	Kd Directional Factor	= 0.85
Alpha	= 7.00	Zg	= 1200.00 ft
At	= 0.14	Bt	= 0.84
Am	= 0.25	Bm	= 0.45
Cc	= 0.30	l	= 320.00 ft
Epsilon	= 0.33	Zmin	= 30.00 ft
Slope of Roof	= 3.97 : 12	Slope of Roof(Theta)	= 19.65 Deg
Ht: Mean Roof Ht	= 25.30 ft	Type of Roof	= Monoslope
RHt: Ridge Ht	= 27.80 ft	Eht: Eave Height	= 22.80 ft
OH: Roof Overhang at Eave	= 2.00 ft	Roof Area	= 751.00 ft^2
Bldg Length Along Ridge	= 50.50 ft	Bldg Width Across Ridge	= 12.00 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:	0.6*Ht	= 30.00 ft
lzm:	Cc*(33/Zm)^0.167	= 0.30
Lzm:	l*(Zm/33)^Epsilon	= 309.99 ft
Q:	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	= 0.93
Gust2:	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	= 0.88

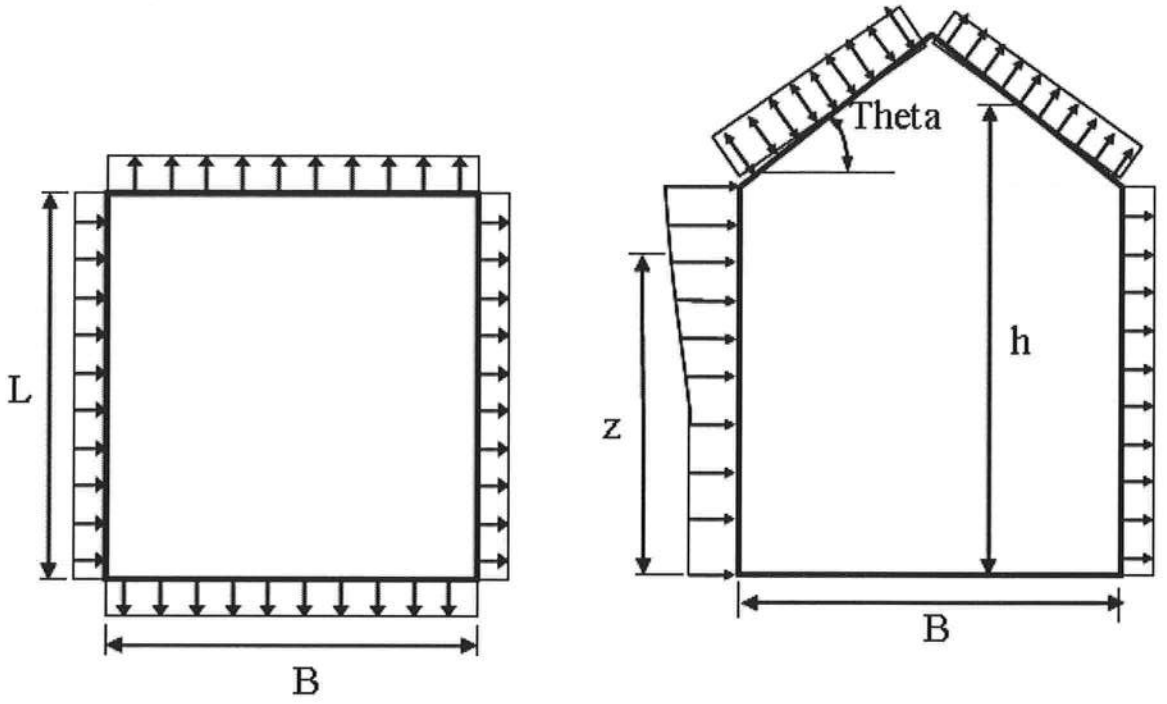
Gust Factor Summary

Not a Flexible Structure use the Lessor of Gust1 or Gust2 = 0.85

Figure 6-5 Internal Pressure Coefficients for Buildings, GCpi

GCPi : Internal Pressure Coefficient = +/-0.18

Figure 6-6 External Pressure Coefficients
Cp - Loads on Main Wind-Force Resisting Systems(Method 2)



Kh: 2.01*(Ht/Zg)^(2/Alpha)	=	0.67
Kht: Topographic Factor (Figure 6-4)	=	1.00
Qh: .00256*(V)^2*I*Kh*Kht*Kd	=	17.57 psf
Cpww: Windward Wall Cp(Ref Fig 6-6)	=	0.80
Roof Area	=	751.00 ft^2
Reduction Factor based on Roof Area	=	0.83

MWFRS-Wall Pressures Perpendicular to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)
Leeward Walls	-0.50	-10.63	-4.30
Side Walls	-0.70	-13.62	-7.29

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
27.80	17.80	0.69	1.00	18.05	9.11	15.44	19.74	7.8	30.3
20.00	10.00	0.62	1.00	16.43	8.01	14.33	18.64	17.2	155.1
10.00	.00	0.57	1.00	15.13	7.13	13.45	17.76	26.2	371.9

Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof Location	Cp	+GCpi(psf)	-GCpi(psf)
Windward - Min Cp	-0.72	-13.92	-7.59
Windward - Max Cp	-0.18	-5.85	0.47
Leeward Perp to Ridge	-0.60	-12.12	-5.80
Overhang Top (Windward)	-0.72	-10.75	-10.75
Overhang Top (Leeward)	-0.60	-8.96	-8.96
Overhang (Windward only)	0.80	11.60	11.60

MWFRS-Wall Pressures Parallel to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)

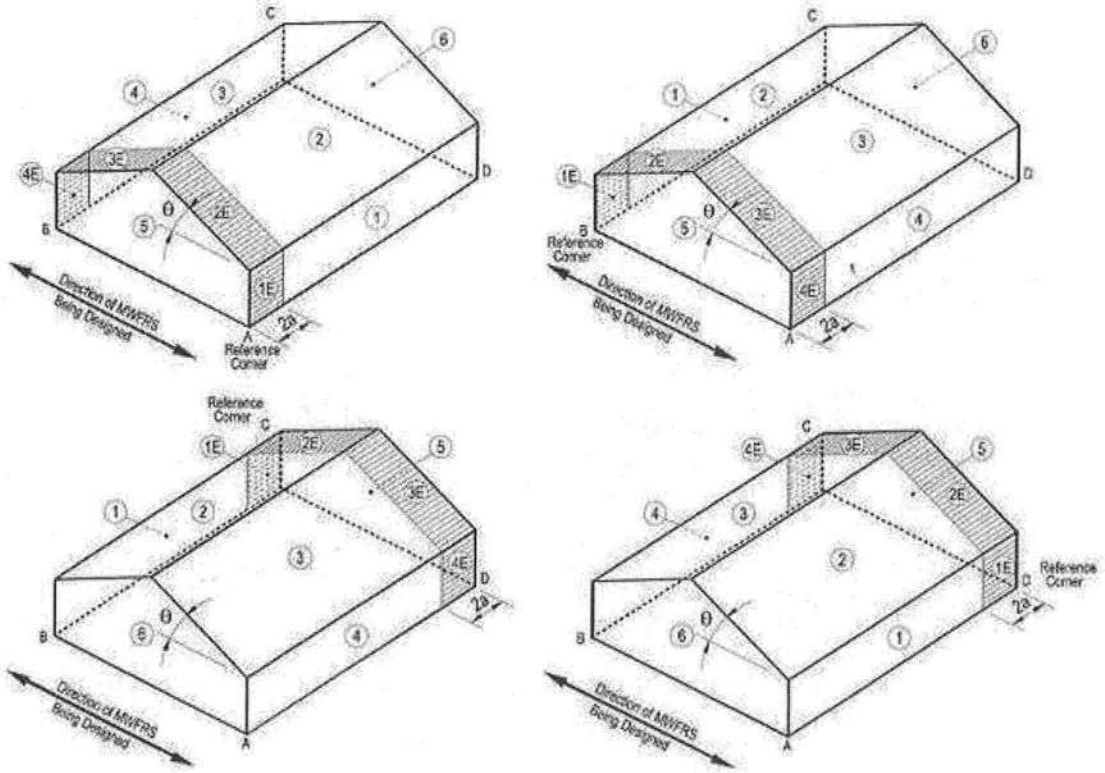
Leeward Walls	-0.20	-6.15	0.18
Side Walls	-0.70	-13.62	-7.29

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
27.80	17.80	0.69	1.00	18.05	9.11	15.44	15.26	1.4	5.6
20.00	10.00	0.62	1.00	16.43	8.01	14.33	14.16	3.1	28.3
10.00	.00	0.57	1.00	15.13	7.13	13.45	13.28	4.7	67.6

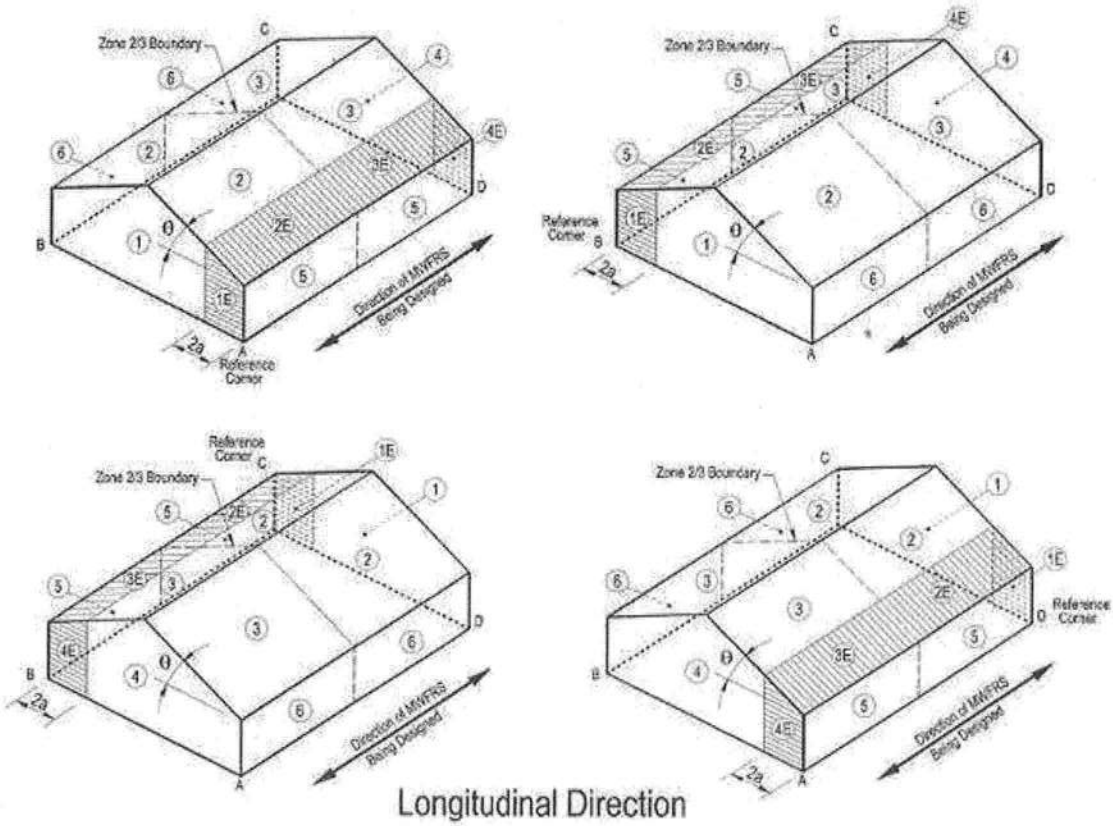
Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof - Dist from Windward Edge	Cp	+GCpi(psf)	-GCpi(psf)
0.0 ft to 12.7 ft	-0.90	-16.61	-10.28
12.7 ft to 25.3 ft	-0.90	-16.60	-10.27
25.3 ft to 50.5 ft	-0.50	-10.64	-4.31

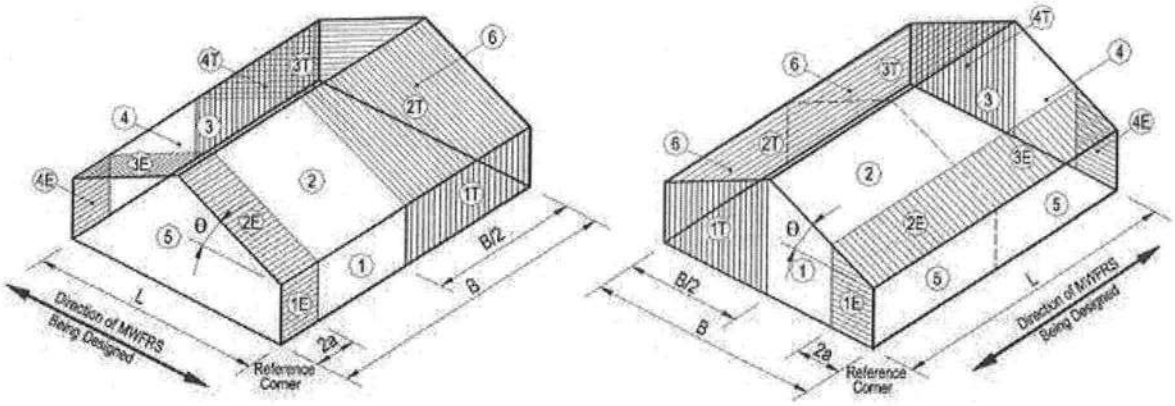
Basic Load Cases



Transverse Direction



Longitudinal Direction



Transverse Direction

Longitudinal Direction

Torsional Load Cases

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Transverse Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.53	0.18	-0.18	18.45	6.46	13.10
2	-0.69	0.18	-0.18	18.45	-16.05	-9.41
3	-0.48	0.18	-0.18	18.45	-12.18	-5.54
4	-0.43	0.18	-0.18	18.45	-11.25	-4.61
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	0.8	0.18	-0.18	18.45	11.44	18.08
2E	-1.07	0.18	-0.18	18.45	-23.06	-16.42
3E	-0.69	0.18	-0.18	18.45	-16.05	-9.41
4E	-0.64	0.18	-0.18	18.45	-15.13	-8.49
1T	*	*	*	*	1.61	3.27
2T	*	*	*	*	-4.01	-2.35
3T	*	*	*	*	-3.04	-1.38
4T	*	*	*	*	-2.81	-1.15

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Longitudinal Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.4	0.18	-0.18	18.45	4.06	10.70
2	-0.69	0.18	-0.18	18.45	-16.05	-9.41
3	-0.37	0.18	-0.18	18.45	-10.15	-3.51
4	-0.29	0.18	-0.18	18.45	-8.67	-2.03
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	0.61	0.18	-0.18	18.45	7.93	14.58
2E	-1.07	0.18	-0.18	18.45	-23.06	-16.42
3E	-0.53	0.18	-0.18	18.45	-13.10	-6.46
4E	-0.43	0.18	-0.18	18.45	-11.25	-4.61
1T	*	*	*	*	1.01	2.68
2T	*	*	*	*	-4.01	-2.35
3T	*	*	*	*	-2.54	-0.88

4T	*	*	*	*	-2.17	-0.51

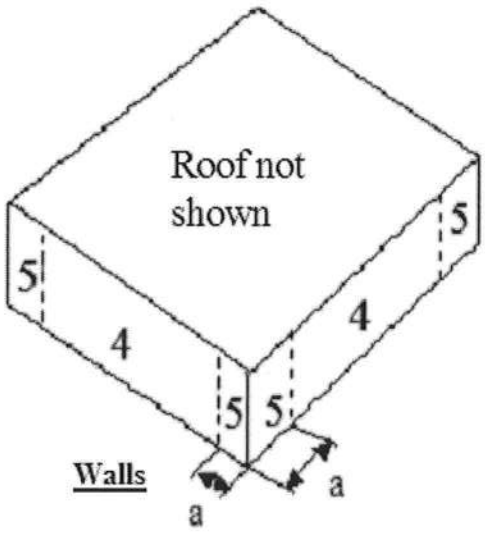
Notes: 1) Min P = qh * (GCPf - (+GCpi))
Notes: 2) Max P = qh * (GCPf - (-GCpi))
Notes: 3) * For Torsional Load Cases, the zones are designated with a "T". The pressures(Min P & Max P) are 25% of the full design wind pressures(Ld Case 1T=25%*1(ld case 1),2T=25%*2,3T=25%*3,4T=25%*4).
Exceptions to Torsional Load Cases: One story buildings with mean roof height<=30 ft(9.1m), buildings with two stories or less framed with light frame construction, and buildings two stories or less designed with flexible diaphragms need not be designed for the Torsional Load Cases. (Note 5 of Figure 6-10)

MECAWind Version 2.0.2.8 ASCE 7-05

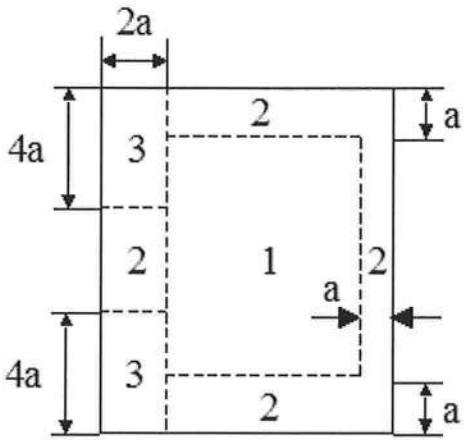
Developed by MECA Enterprises, Inc. Copyright 2010 www.mecaenterprises.com

Date	: 4/14/2010	Project No.	: PF09-096
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Blais Residence - Open Porch
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Alachua County

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais porch rev 1.wnd



Walls



Monoslope Roof 10 < θ <= 30

Wind Pressure on Components and Cladding

Width of Pressure Coefficient Zone "a" = 3 ft

Description	Width ft	Span ft	Area ft^2	Zone	Max GCp	Min GCp	Max P psf	Min P psf
Walls corner	10.00	1.00	10.00	5	1.000	-1.400	21.767	-29.145
Walls	10.00	1.00	10.00	4	1.000	-1.100	21.767	-23.611
Roof Corner	10.00	1.00	10.00	3	0.400	-2.900	10.699	-56.815
Roof Edge	10.00	1.00	10.00	2	0.400	-1.600	10.699	-32.834
Roof	10.00	1.00	10.00	1	0.400	-1.300	10.699	-27.301

Khcc:Comp. & Clad. Table 6-3 Case 1 = 0.70

Qhcc:.00256*V^2*I*Khcc*Kht*Kd = 18.45 psf

GTC DESIGN GROUP

Project name: Smith Residence
Project: PF09-096
Client SRLH
Calculations: G.G.
Date: 9/9/2007

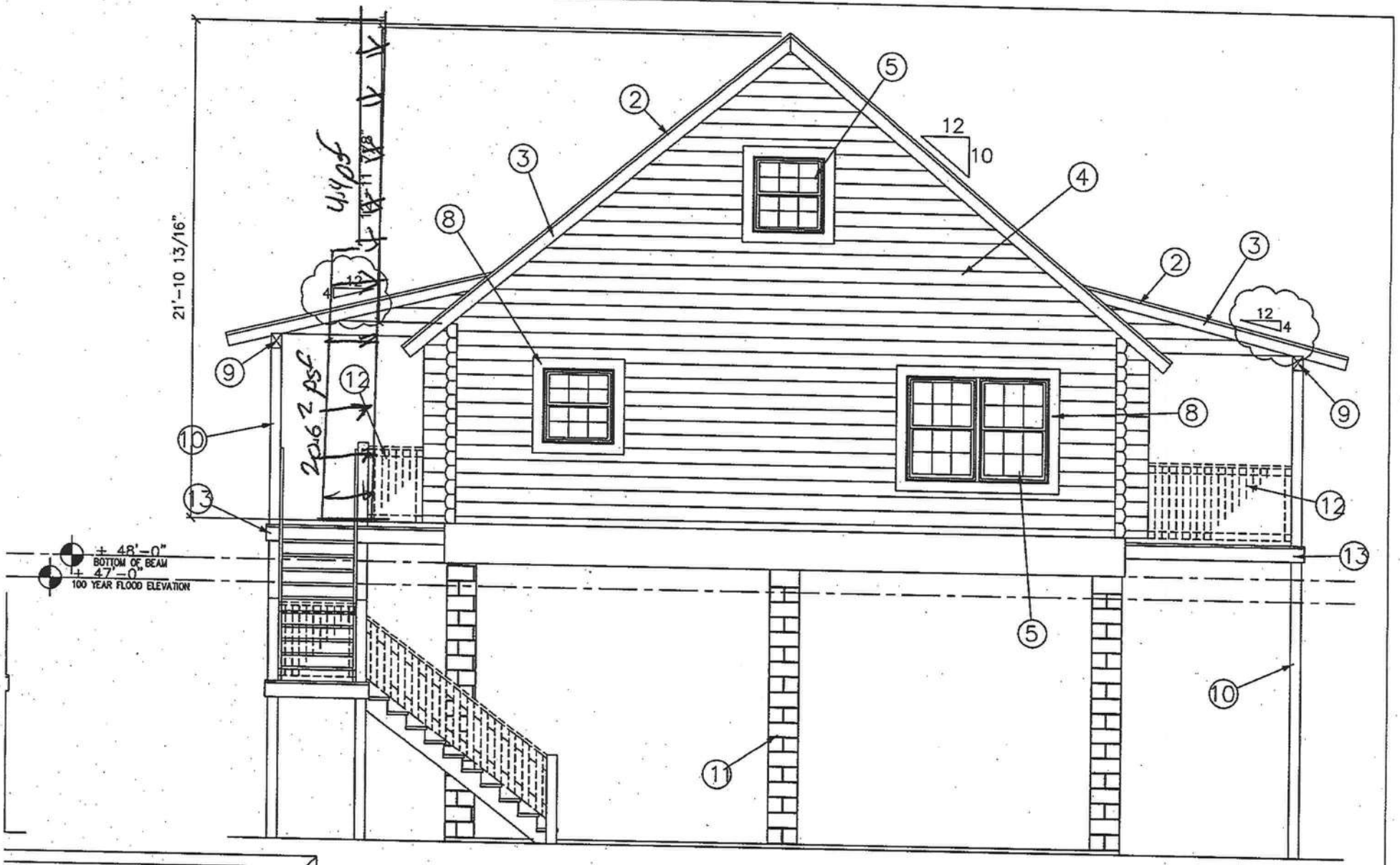
Wind, Dead and Live Load Calculations

Roof Elements

Items	Description	DL (psf)	RLL (psf)	WL -C&C)	WL-Main	Trib. Wid.	wdead	wrll	wwl(CC)	wwl(main)
1	Ridge Beams	15	20	-25.46	-16.05	15	261	300	-381.9	-240.75

Floor Elements

Items	Description	DL-flr (psf)	DL-wall (psf)	LL (psf)	RLL (psf)	Trib. Wid.	Wall hgt	wdead (plf)	wll (plf)	wrll (plf)
1	Flr Girder (1)	10	8	40		6.5	12.00	161	260	
2	Flr Girder (2)	10		40		16.50		165.00	660.00	
3	Flr Girder (3)	10		40		19.20		192.00	768.00	
4	Flr Girder (4)	10	8	40		8.50	12.00	181	340	
5	Perimeter Bm	15	8		20	7.00	10	185		140

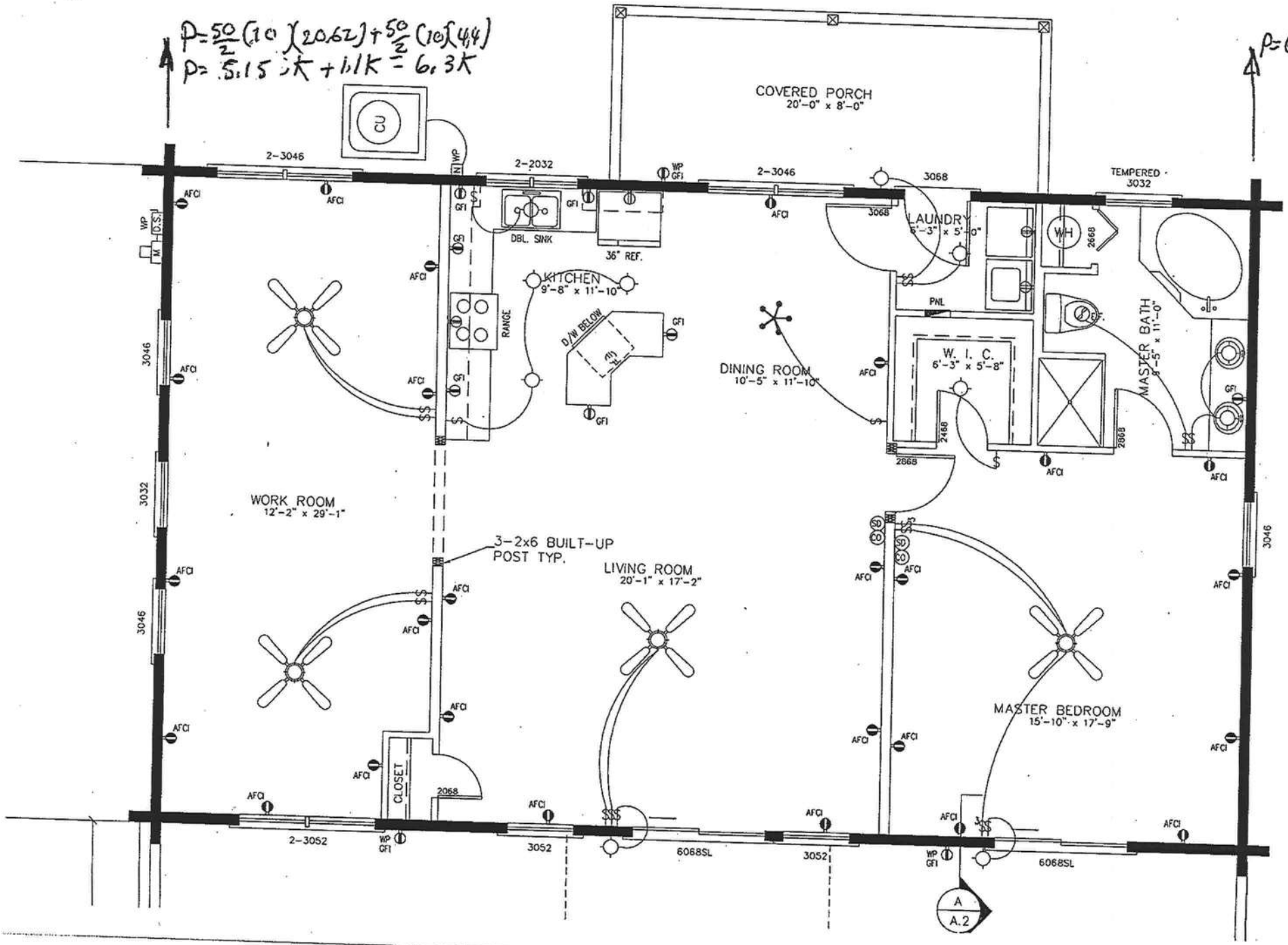


Right Side ELEVATION

SCALE: N.T.S.

PIERS
HORIZONTAL
LOAD

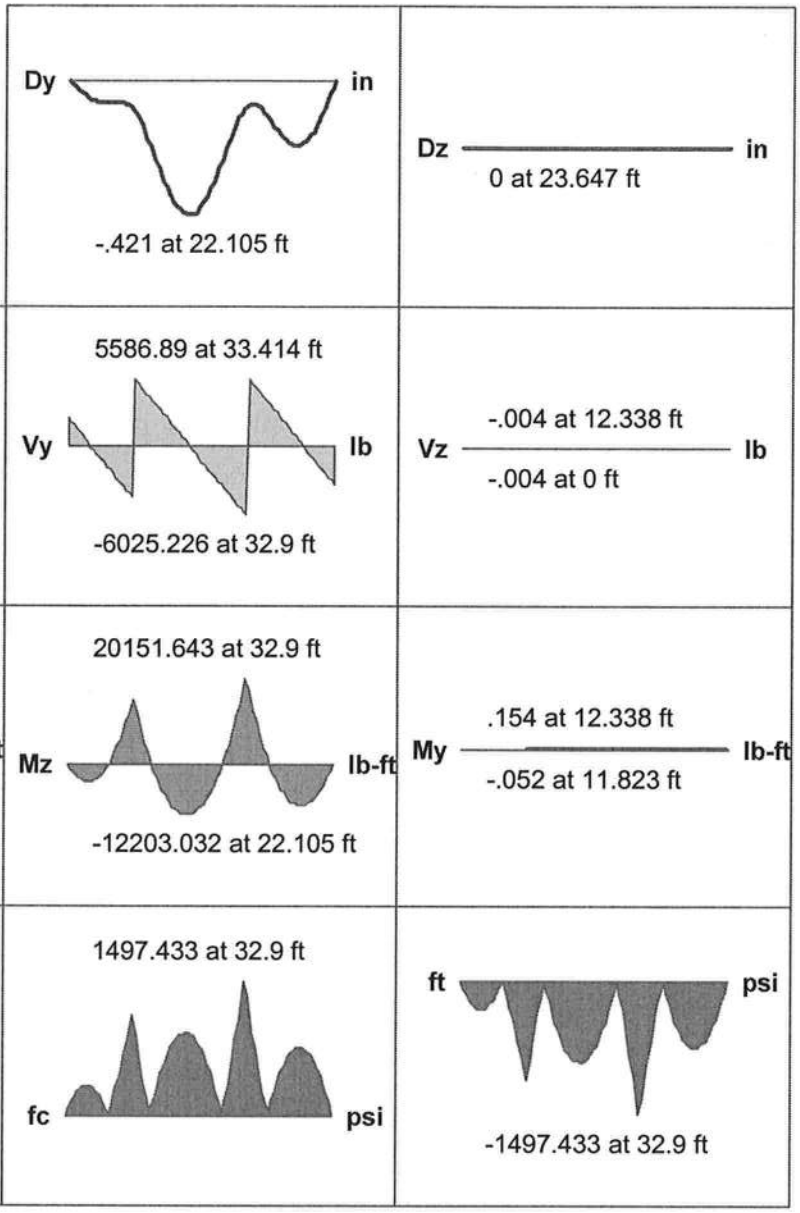
$P = \frac{50}{2}(10)(20.62) + \frac{50}{2}(10)(4.4)$
$P = 5.15K + 1.1K = 6.3K$



$P = 6.3K$

Beam: ***M1***

Shape: **5.125X13.75FS**
Material: **Glu-lam**
Length: **49.35 ft**
I Joint: **N1**
J Joint: **N4**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.587 (bending)**
Report Based On 97 Sections



NDS 2005 Code Check

Max Bending Check	**0.587**	Max Shear Check	**0.398 (y)**
Location	**32.9 ft**	Location	**32.9 ft**
Equation	**3.9-3**	Max Defl Ratio	**L/1406**

CD **1.25** RB **17.607** CL **.85** CV **.952**
Cr **1** Cfu **1.1** CP **.025**

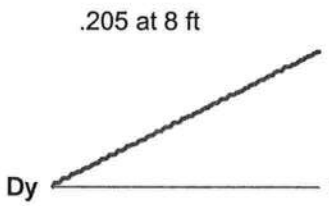
	(psi)	Cm	Ct	CF
Fc'	**51.922**	**1**	**1**	**1**
Ft'	**1437.5**	**1**	**1**	**1**
Fb1'	**2550.156**	**1**	**1**	**1**
Fb2'	**2289.978**	**1**	**1**	**1**
Fv'	**293.75**	**1**	**1**	
E'	**1.8e+6**	**1**	**1**	

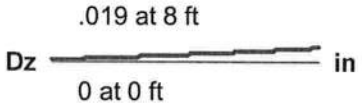
	Y-Y	Z-Z
Lb	**49.35 ft**	**49.35 ft**
le/d	**115.551**	**43.069**
Sway	**No**	**No**

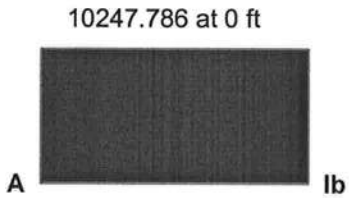
Le-Bending Top **49.35 ft**
Le-Bending Bot **49.35 ft**

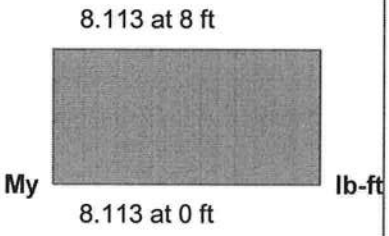
Column: ***M2***

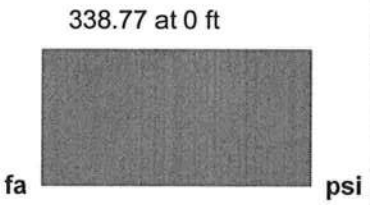
Shape: **6X6**
Material: **Cypress**
Length: **8 ft**
I Joint: **N2**
J Joint: **N5**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.582 (bending)**
Report Based On 97 Sections

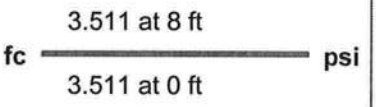


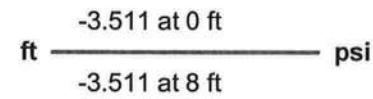












NDS 2005 Code Check

Max Bending Check	**0.582**	Max Shear Check	**0.000 (z)**
Location	**0 ft**	Location	**0 ft**
Equation	**3.6.3**	Max Defl Ratio	**L/5159**

CD **1.25** RB **4.178** CL **1**
Cr **1** Cfu **1** CP **.776**

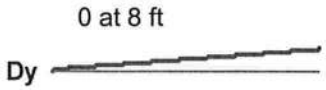
	(psi)	Cm	Ct	CF
Fc'	**582.081**	**1**	**1**	**1**
Ft'	**531.25**	**1**	**1**	**1**
Fb1'	**781.25**	**1**	**1**	**1**
Fb2'	**781.25**	**1**	**1**	**1**
Fv'	**218.75**	**1**	**1**	
E'	**1e+6**	**1**	**1**	

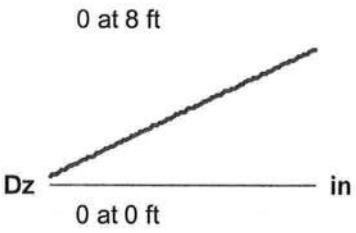
	Y-Y	Z-Z
Lb	**8 ft**	**8 ft**
le/d	**17.455**	**17.455**
Sway	**No**	**No**

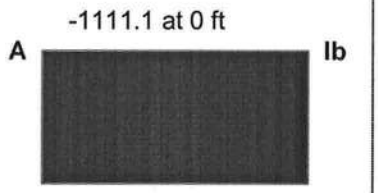
Le-Bending Top **8 ft**
Le-Bending Bot **8 ft**

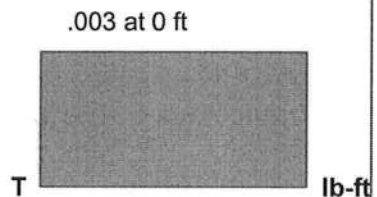
Column: ***M3***

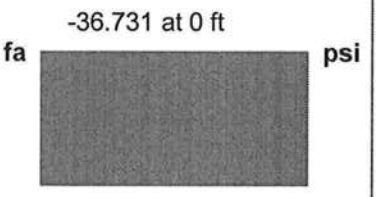
Shape: **6X6**
Material: **Cypress**
Length: **8 ft**
I Joint: **N3**
J Joint: **N6**
LC 5: (.6DL+WL)IBC 16-14
Code Check: **0.054 (bending)**
Report Based On 97 Sections











NDS 2005 Code Check

Max Bending Check	**0.054**	Max Shear Check	**0.000 (z)**
Location	**0 ft**	Location	**0 ft**
Equation	**3.9-1**	Max Defl Ratio	**L/10000**

CD **1.6** RB **4.178** CL **1**
Cr **1** Cfu **1** CP **.7**

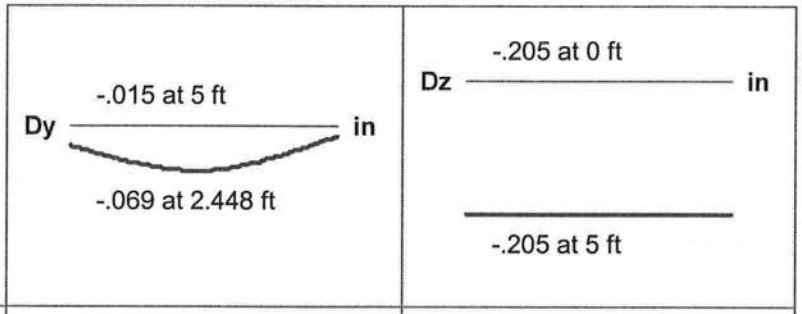
	(psi)	Cm	Ct	CF
Fc'	**672.011**	**1**	**1**	**1**
Ft'	**680**	**1**	**1**	**1**
Fb1'	**1000**	**1**	**1**	**1**
Fb2'	**1000**	**1**	**1**	**1**
Fv'	**280**	**1**	**1**	
E'	**1e+6**	**1**	**1**	

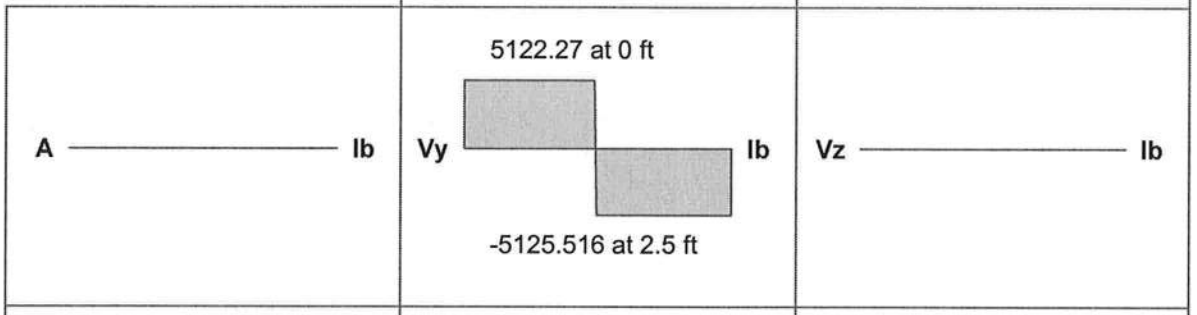
	Y-Y	Z-Z
Lb	**8 ft**	**8 ft**
le/d	**17.455**	**17.455**
Sway	**No**	**No**

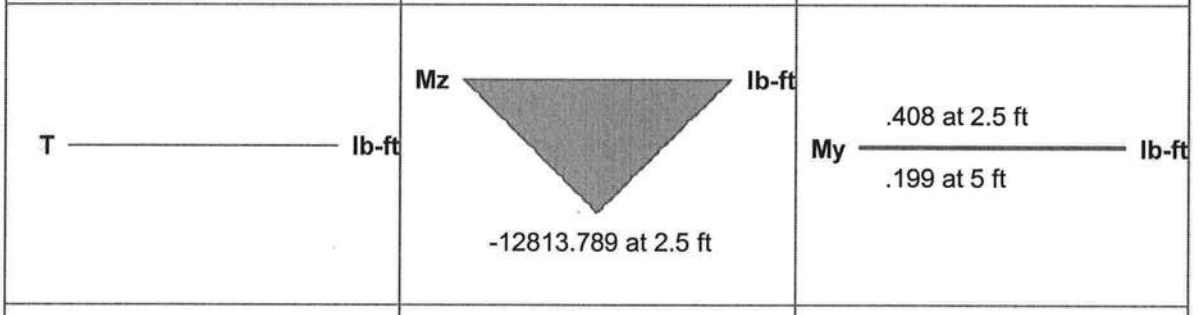
Le-Bending Top **8 ft**
Le-Bending Bot **8 ft**

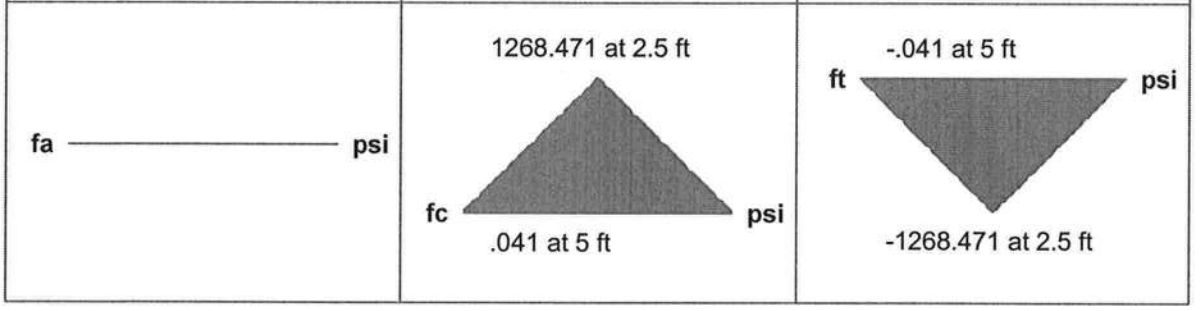
Column: ***M4***

Shape: **6X12**
Material: **DF Larch**
Length: **5 ft**
I Joint: **N7**
J Joint: **N8**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.752 (bending)**
Report Based On 97 Sections









NDS 2005 Code Check

Max Bending Check	**0.752**	Max Shear Check	**0.572 (y)**
Location	**2.5 ft**	Location	**2.5 ft**
Equation	**3.9-3**	Max Defl Ratio	**L/1304**

CD **1.25** RB **4.776** CL **1**
Cr **1** Cfu **1** CP **.932**

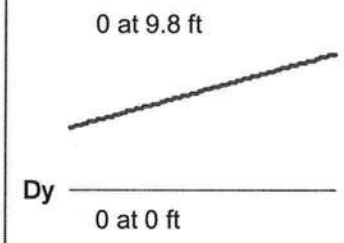
	(psi)	Cm	Ct	CF
Fc'	**1077.751**	1	1	1
Ft'	**843.75**	1	1	1
Fb1'	**1687.5**	1	1	1
Fb2'	**1687.5**	1	1	1
Fv'	**212.5**	1	1	
E'	**1.6e+6**	1	1	

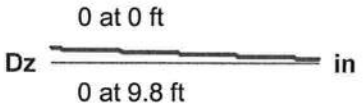
	Y-Y	Z-Z
Lb	**5 ft**	**5 ft**
le/d	**10.909**	**5.217**
Sway	**No**	**No**

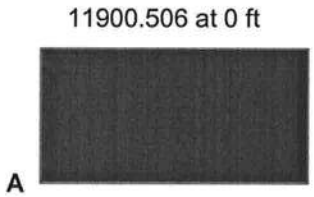
Le-Bending Top **5 ft**
Le-Bending Bot **5 ft**

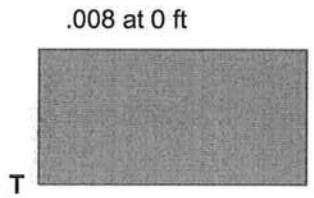
Column: ***M7***

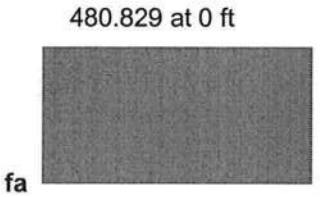
Shape: **3-2X6**
Material: **So Pine**
Length: **9.8 ft**
I Joint: **N6**
J Joint: **N9**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.748 (bending)**
Report Based On 97 Sections











NDS 2005 Code Check

Max Bending Check	**0.748**	Max Shear Check	**0.000 (z)**
Location	**0 ft**	Location	**0 ft**
Equation	**3.6.3**	Max Defl Ratio	**L/10000**

CD **1.25** RB **5.652** CL **1**
Cr **1** Cfu **1.15** CP **.321**

	(psi)	Cm	Ct	CF
Fc'	**642.645**	**1**	**1**	**1**
Ft'	**906.25**	**1**	**1**	**1**
Fb1'	**1562.5**	**1**	**1**	**1**
Fb2'	**1796.875**	**1**	**1**	**1**
Fv'	**218.75**	**1**	**1**	
E'	**1.6e+6**	**1**	**1**	

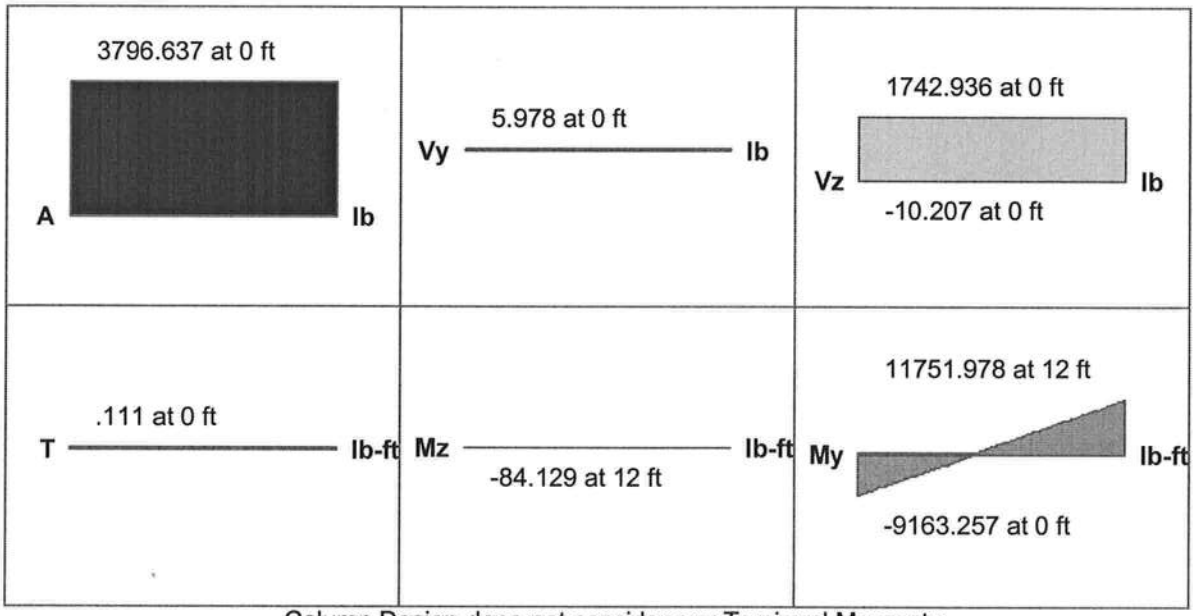
	Y-Y	Z-Z
Lb	**9.8 ft**	**9.8 ft**
le/d	**26.133**	**21.382**
Sway	**No**	**No**

Le-Bending Top **9.8 ft**
Le-Bending Bot **9.8 ft**

Column: ***M23***

Shape:	**CRECT12X12**	Concrete Stress Block:	**Rectangular**
Material:	**Conc3000NW**	Cracked Sections Used:	**Yes**
Length:	**12 ft**	Cracked 'I' Factor:	**.70**
I Joint:	**N31**	Effective 'I':	**1209.6 in^4**
J Joint:	**N36**	Biaxial Bending Solution:	**PCA Load Contour**
		Parme Beta Factor:	**0.65**

Code Check: **0.335 (bending)**
Report Based On 97 Sections

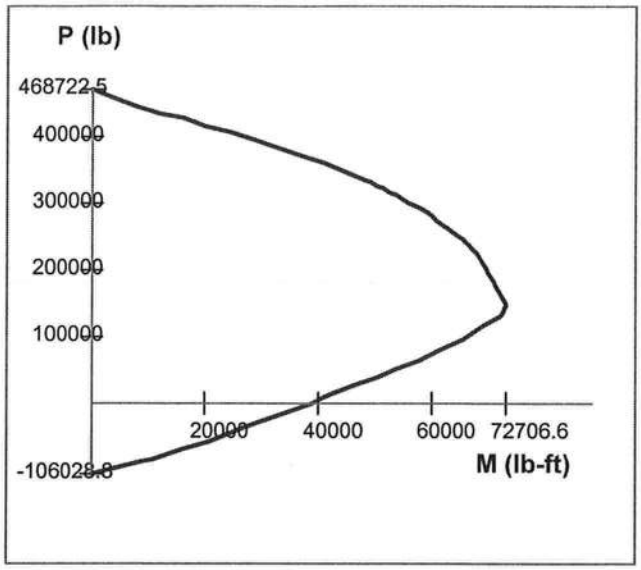


Column Design does not consider any Torsional Moments

ACI 318-05 Code Check

		Bending Check	**0.335**	Shear Check	**0.074 (z)**
Gov LC	**5**	Location	**.625 ft**	Location	**.625 ft**
Gov Pu	**0 lb**	Gov Muy	**-11751.978 lb-ft**	Gov Vuy	**5.978 lb**
phi*Pn	**0 lb**	Gov Muz	**0 lb-ft**	Gov Vuz	**1742.936 lb**
Phi eff.	**.9**	phi*Mny	**35035.508 lb-ft**	phi*Vny	**23663.276 lb**
		phi*Mnz		phi*Vnz	**23663.276 lb**
Tension Bar Fy	**60000 psi**	Concrete Weight	**.145 k/ft^3**	Bar Cover	**1.5 in**
Shear Bar Fy	**60000 psi**	Concrete Type	**Normal WT**	Sway yy	**No**
F'c	**3000 psi**	E_Concrete	**3.156e+6 psi**	Sway zz	**No**
Flex. Rebar Set	**ASTM A615**	Shear Rebar Set	**ASTM A615**		

Column Interaction Diagram



Span Information

Span	Span Length (ft)	I-Face Dist. (in)	J-Face Dist. (in)
1	0 - 12	6.875	0

Column Steel

Span	Main Bars	Gov LC	Loc (ft)	Pu (lb)	Muy (lb-ft)	Muz (lb-ft)
1	4 #6	1	.625 ft	0	105.346	105.346

Axial Span Results

Span	Phi_eff	Pn (lb)	Po (lb)	Rho Gross	As Prvd (in^2)
1	.9		468722.53	.0123	1.767

Bending Span Results

Span	ecc. y (ft)	ecc. z (ft)	NA y-y (ft)	NA z-z (ft)	Mny (lb-ft)	Mnz (lb-ft)	Mnoy (lb-ft)	Mnoz (lb-ft)
1	0	0			117.051	117.051	38928.343	38928.343

Slender Bending Span Results

Span	KL/r yy	KL/r zz	Cm yy	Cm zz	Lu yy (ft)	Lu zz (ft)	Mcy (lb-ft)	Mcz (lb-ft)
1	42	42	.4	.677	12	12	105.346	105.346

Shear Steel

Span	Region (ft)	Bars Provided
1	.6 - 12	12 #4 @12in
	-	
	-	
	-	

y-Dir Shear Span Results

Span	Region (ft)	Vny (lb)	Vcy (lb)	Vsy (lb)	Asy Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	31551.034	12652.391	18898.643	0	.033
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

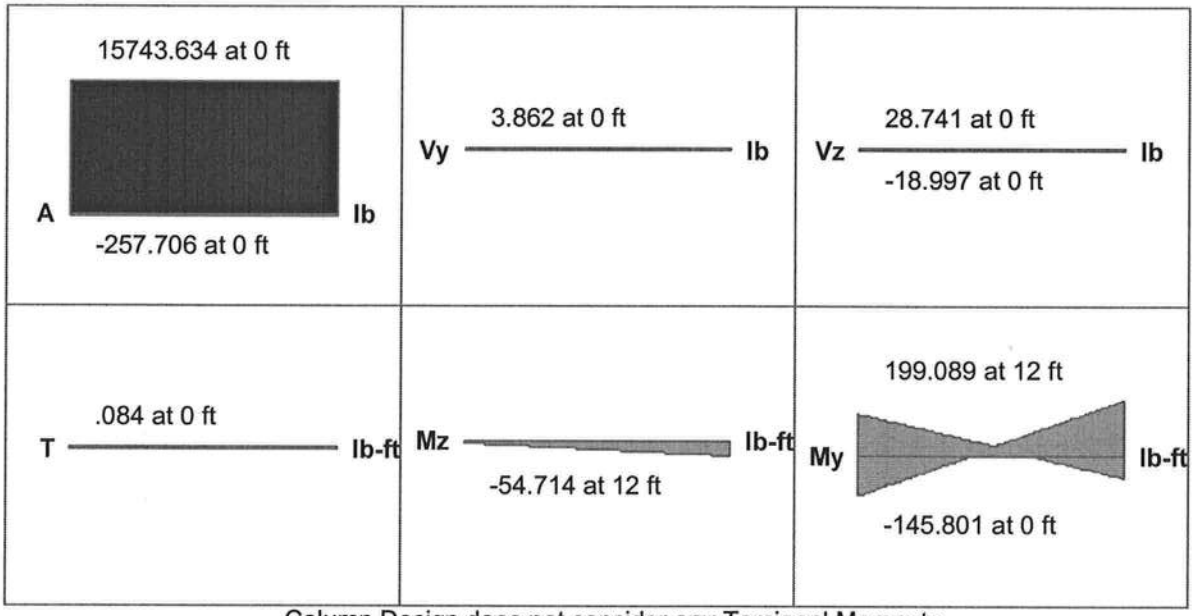
z-Dir Shear Span Results

Span	Region (ft)	Vnz (lb)	Vcz (lb)	Vsz (lb)	Asz Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	31551.034	12652.391	18898.643	0	.033
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

Column: ***M17***

Shape:	**CRECT12X12**	Concrete Stress Block:	**Rectangular**
Material:	**Conc3000NW**	Cracked Sections Used:	**Yes**
Length:	**12 ft**	Cracked 'I' Factor:	**.70**
I Joint:	**N9**	Effective 'I':	**1209.6 in^4**
J Joint:	**N21A**	Biaxial Bending Solution:	**PCA Load Contour**
		Parme Beta Factor:	**0.65**

Code Check: **0.008 (bending)**
Report Based On 97 Sections

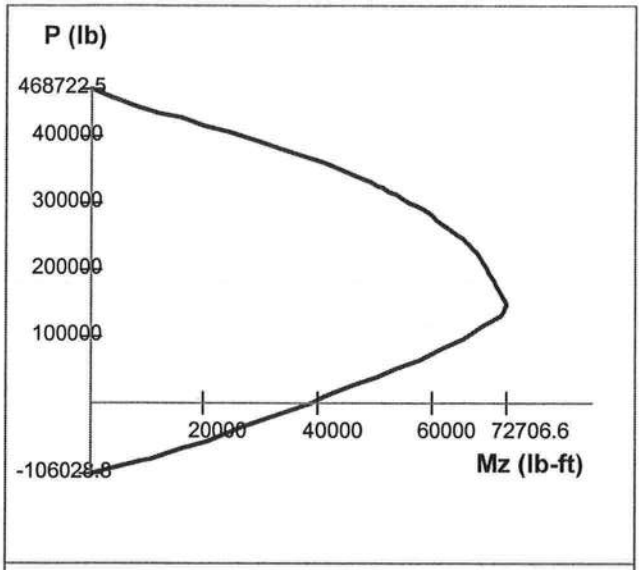


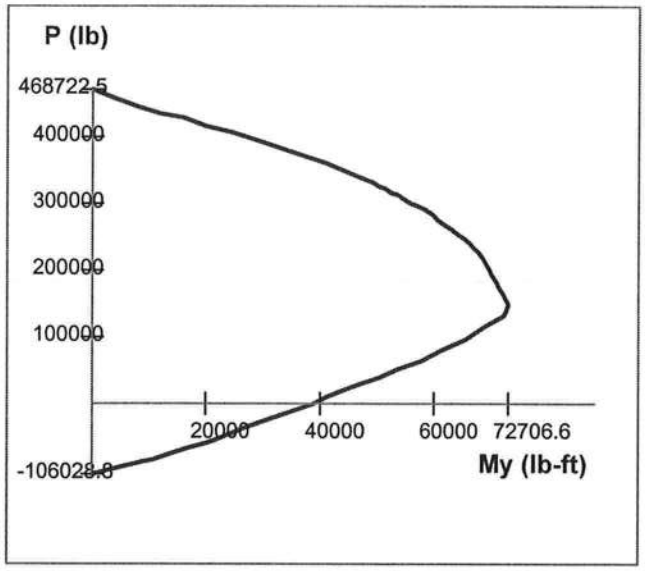
Column Design does not consider any Torsional Moments

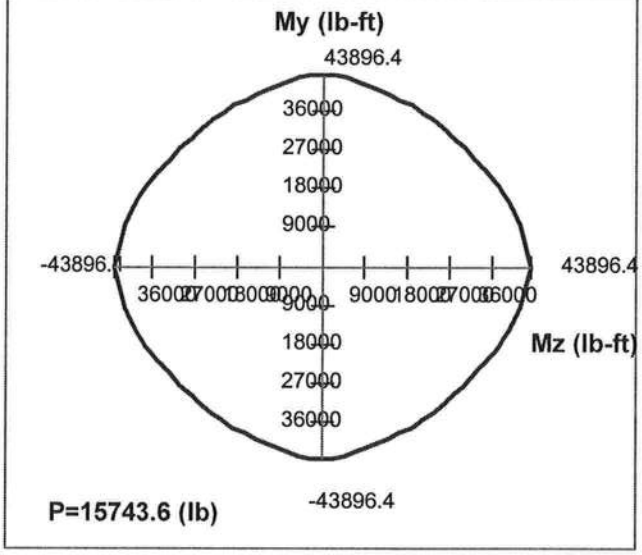
ACI 318-05 Code Check

		Bending Check	**0.008**	Shear Check	**0.001 (z)**
Gov LC	**4**	Location	**.625 ft**	Location	**.625 ft**
Gov Pu	**15743.634 lb**	Gov Muy	**1259.491 lb-ft**	Gov Vuy	**3.862 lb**
phi*Pn	**15743.634 lb**	Gov Muz	**1259.491 lb-ft**	Gov Vuz	**28.741 lb**
Phi eff.	**.9**	phi*Mny	**1259.491 lb-ft**	phi*Vny	**37957.173 lb**
		phi*Mnz	**1259.491 lb-ft**	phi*Vnz	**37957.173 lb**
Tension Bar Fy	**60000 psi**	Concrete Weight	**.145 k/ft^3**	Bar Cover	**1.5 in**
Shear Bar Fy	**60000 psi**	Concrete Type	**Normal WT**	Sway yy	**No**
F'c	**3000 psi**	E_Concrete	**3.156e+6 psi**	Sway zz	**No**
Flex. Rebar Set	**ASTM A615**	Shear Rebar Set	**ASTM A615**		

Column Interaction Diagram







Span Information

Span	Span Length (ft)	I-Face Dist. (in)	J-Face Dist. (in)
1	0 - 12	6.875	0

Column Steel

Span	Main Bars	Gov LC	Loc (ft)	Pu (lb)	Muy (lb-ft)	Muz (lb-ft)
1	4 #6	1	.625 ft	6841.992	547.359	547.359

Axial Span Results

Span	Phi_eff	Pn (lb)	Po (lb)	Rho Gross	As Prvd (in^2)
1	.9	7602.213	468722.53	.0123	1.767

Bending Span Results

Span	ecc. y (ft)	ecc. z (ft)	NA y-y (ft)	NA z-z (ft)	Mny (lb-ft)	Mnz (lb-ft)	Mnoy (lb-ft)	Mnoz (lb-ft)
1	.08	.08			608.177	608.177	41340.408	41340.408

Slender Bending Span Results

Span	KL/r yy	KL/r zz	Cm yy	Cm zz	Lu yy (ft)	Lu zz (ft)	Mcy (lb-ft)	Mcz (lb-ft)
1	42	42	.4	.679	12	12	547.359	547.359

Shear Steel

Span	Region (ft)	Bars Provided
1	.6 - 12	35 #4 @4in
	-	
	-	
	-	

y-Dir Shear Span Results

Span	Region (ft)	Vny (lb)	Vcy (lb)	Vsy (lb)	Asy Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	50609.564	0	50609.564	0	.098
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

z-Dir Shear Span Results

Span	Region (ft)	Vnz (lb)	Vcz (lb)	Vsz (lb)	Asz Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	50609.564	0	50609.564	0	.098
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

SOUTHERN PINE SPAN TABLES

Maximum spans given in feet and inches
Inside to inside of bearings

TABLE 2 FLOOR JOISTS – 40 PSF LIVE LOAD, 10 PSF DEAD LOAD, 360 DEFLECTION

ALL ROOMS EXCEPT SLEEPING ROOMS AND ATTIC FLOORS

Size (inches)	Spacing (inches on center)	Grade									
		Visually Graded				Machine Stress Rated (MSR)			Machine Evaluated Lumber (MEL)		
		SS	No.1	No.2	No.3	2400f - 2.0E	2250f - 1.9E	1950f - 1.7E	M23	M14	M29
2x6	12.0	11-2	10-11	10-9	9-4	11-7	11-4	10-11	11-2	10-11	10-11
	16.0	10-2	9-11	9-9	8-1	10-6	10-4	9-11	10-2	9-11	9-11
	19.2	9-6	9-4	9-2	7-4	9-10	9-8	9-4	9-6	9-4	9-4
	24.0	8-10	8-8	8-6	6-7	9-2	9-0	8-8	8-10	8-8	8-8
2x8	12.0	14-8	14-5	14-2	11-11	15-3	15-0	14-5	14-8	14-5	14-5
	16.0	13-4	13-1	12-10	10-3	13-10	13-7	13-1	13-4	13-1	13-1
	19.2	12-7	12-4	12-1	9-5	13-0	12-10	12-4	12-7	12-4	12-4
	24.0	11-8	11-5	11-0	8-5	12-1	11-11	11-5	11-8	11-5	11-5
2x10	12.0	18-9	18-5	18-0	14-0	19-5	19-1	18-5	18-9	18-5	18-5
	16.0	17-0	16-9	16-1	12-2	17-8	17-4	16-9	17-0	16-9	16-9
	19.2	16-0	15-9	14-8	11-1	16-7	16-4	15-9	16-0	15-9	15-9
	24.0	14-11	14-7	13-1	9-11	15-5	15-2	14-7	14-11	14-7	14-7
2x12	12.0	22-10	22-5	21-9	16-8	23-7	23-3	22-5	22-10	22-5	22-5
	16.0	20-9	20-4	18-10	14-6	21-6	21-1	20-4	20-9	20-4	20-4
	19.2	19-6	19-2	17-2	13-2	20-2	19-10	19-2	19-6	19-2	19-2
	24.0	18-1	17-5	15-5	11-10	18-9	18-5	17-9	18-1	17-9	17-9

These spans are intended for use in enclosed structures or where the moisture content in use does not exceed 19 percent for an extended period of time unless the table is labled Wet-Service. Applied loads are given in psf (pounds per square foot). Deflection is limited to the span in inches divided by 360, 240, or 180 and is based on live load only. The load duration factor, C_D, is 1.0 unless shown as 1.15 or 1.25. An asterisk (*) indicates the listed span has been limited to 26'0" based on availability; check sources of supply for lumber longer than 20'. Highlighted sizes/grades are NOT commonly produced.

The Southern Pine Council does not grade or test lumber, and accordingly, does not assign design values to Southern Pine lumber. The design values contained herein are based on the *2002 SPIB Standard Grading Rules for Southern Pine Lumber*, published by the Southern Pine Inspection Bureau, and modified as required by the *2001 National Design Specification® (NDS®) for Wood Construction* published by the American Forest & Paper Association (AF&PA).

The primary purpose of this publication is to provide a convenient reference for joist and rafter spans for specific grades of Southern Pine lumber. The maximum spans provided herein were determined on the same basis as those in *Span Tables for Joists and Rafters*, published by AF&PA. Accordingly, the Southern Pine Council, its principals and/or members, do not warrant in any way that the design values on which the span tables for Southern Pine lumber contained herein are based are correct, and specifically disclaim any liability for injury or damage resulting from the use of such span tables.

The conditions under which lumber is used in construction may vary widely, as does the quality of the lumber and workmanship. Neither the Southern Pine Council, nor its principals and/or members, have any knowledge of the construction methods, quality of materials and workmanship used on any construction project; and accordingly, cannot and do not, warrant the performance of the lumber used in completed structures.

Table 30 – No. 2 Southern Pine Lumber

Clear Opening	*	1-ply				2-ply				3-ply				4-ply			
		2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12
4'	TL	467	754	1036	1360	934	1508	2072	2721	1600	2569	3512	4577	2133	3426	4682	6102
	LL	467	754	1036	1360	934	1508	2072	2721	1600	2569	3512	4577	2133	3426	4682	6102
	BL	1.5	3.0	3.0	4.5	1.5	3.0	3.0	4.5	1.5	3.0	3.0	4.5	1.5	3.0	3.0	4.5
6'	TL	212	349	490	661	424	699	981	1322	730	1200	1680	2257	974	1600	2240	3009
	LL	212	349	490	661	424	699	981	1322	660	1200	1680	2257	879	1600	2240	3009
	BL	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0
8'	TL	120	199	281	382	239	397	562	764	413	684	966	1312	550	912	1288	1749
	LL	95	199	281	382	189	397	562	764	283	639	966	1312	377	852	1288	1749
	BL	1.5	1.5	1.5	3.0	1.5	1.5	1.5	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0
10'	TL	71	127	180	247	142	254	361	493	214	439	622	849	285	585	830	1132
	LL	49	111	180	247	98	221	361	493	146	331	622	849	195	442	830	1132
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	3.0
12'	TL	41	88	125	171	81	176	250	343	122	282	432	591	162	376	576	789
	LL	28	64	125	171	57	129	250	343	85	193	398	591	113	258	531	789
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
14'	TL	25	59	91	125	50	117	183	251	75	176	316	434	99	234	421	578
	LL	18	41	84	125	36	82	169	251	54	122	252	434	72	163	336	578
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16'	TL	16	39	69	95	32	77	139	191	48	116	240	330	64	154	320	441
	LL	12	27	57	95	24	55	113	191	36	82	170	304	48	110	226	405
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18'	TL	11	26	54	75	21	53	108	149	32	79	169	259	43	105	226	346
	LL	8	19	40	71	17	39	80	143	25	58	120	214	34	77	159	285
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Table 31 – No. 3 Southern Pine Lumber

Clear Opening	*	1-ply				2-ply				3-ply				4-ply			
		2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12
4'	TL	285	454	622	857	570	908	1244	1715	980	1557	2125	2917	1306	2076	2834	3889
	LL	285	454	622	857	570	908	1244	1715	980	1557	2125	2917	1306	2076	2834	3889
	BL	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0
6'	TL	128	206	285	400	255	412	570	800	440	709	981	1373	587	946	1308	1830
	LL	128	206	285	400	255	412	570	800	440	709	981	1373	587	946	1308	1830
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	3.0
8'	TL	71	116	161	227	143	232	322	455	247	400	556	783	329	533	741	1045
	LL	71	116	161	227	143	232	322	455	247	400	556	783	329	533	741	1045
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10'	TL	45	73	103	145	90	147	205	291	156	254	355	502	208	339	473	669
	LL	43	73	103	145	86	147	205	291	128	254	355	502	171	339	473	669
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
12'	TL	31	50	70	100	62	101	141	200	106	175	244	347	141	233	326	462
	LL	25	50	70	100	50	101	141	200	74	170	244	347	99	227	326	462
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
14'	TL	22	36	51	73	43	73	102	145	65	127	177	252	86	169	236	337
	LL	16	36	51	73	31	72	102	145	47	107	177	252	63	143	236	337
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16'	TL	14	27	38	55	28	55	77	110	41	95	134	191	55	127	178	255
	LL	11	24	38	55	21	48	77	110	32	72	134	191	42	96	178	255
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18'	TL	9	21	30	43	18	42	59	85	27	68	104	149	36	91	138	198
	LL	7	17	30	43	15	34	59	85	22	51	104	149	30	68	138	198
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(See *Requirements for Use* on page 23, and *Key, Example* and *Notes* on page 30)

GTC DESIGN GROUP

STRUCTURAL AND WIND LOAD CALCULATIONS

For

Suwannee River Log Homes

Jane Blais

12/16/09

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

MECAWind Version 2.0.2.8 per ASCE 7-05

Developed by MECA Enterprises, Inc. Copyright 2009 www.mecaenterprises.com

Date	: 12/3/2009	Project No.	: PF09-136
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Blais Residence
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Columbia Coundy

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais.wnd

Detailed Wind Load Design(Method 2) per ASCE 7-05

Basic Wind Speed(V)	= 120.00 mph	Structure Type	= Building
Structural Category	= II	Exposure Category	= C
Natural Frequency	= N/A	Flexible Structure	= No
Importance Factor	= 1.00	Kd Directional Factor	= 0.85
Alpha	= 9.50	Zg	= 900.00 ft
At	= 0.11	Bt	= 1.00
Am	= 0.15	Bm	= 0.65
Cc	= 0.20	l	= 500.00 ft
Epsilon	= 0.20	Zmin	= 15.00 ft
Slope of Roof	= 7.8 : 12	Slope of Roof(Theta)	= 33.02 Deg
Ht: Mean Roof Ht	= 16.95 ft	Type of Roof	= Gabled
RHt: Ridge Ht	= 25.40 ft	Eht: Eave Height	= 8.50 ft
OH: Roof Overhang at Eave	= 1.00 ft	Roof Area	= 1985.00 ft^2
Bldg Length Along Ridge	= 32.00 ft	Bldg Width Across Ridge	= 50.00 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:	0.6*Ht	= 15.00 ft
lzm:	Cc*(33/Zm)^0.167	= 0.23
Lzm:	l*(Zm/33)^Epsilon	= 427.06 ft
Q:	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	= 0.91
Gust2:	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	= 0.88

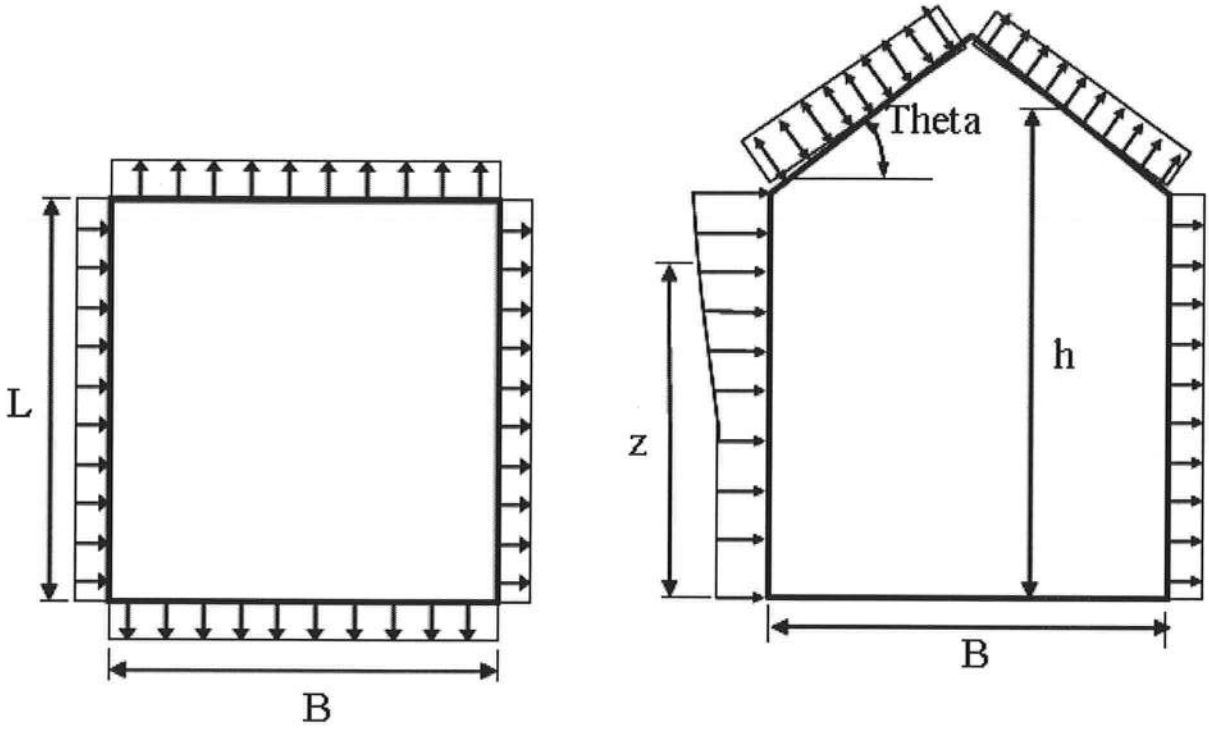
Gust Factor Summary

Not a Flexible Structure use the Lessor of Gust1 or Gust2 = 0.85

Figure 6-5 Internal Pressure Coefficients for Buildings, GCpi

GCPi : Internal Pressure Coefficient = +/-0.18

Figure 6-6 External Pressure Coefficients
Cp - Loads on Main Wind-Force Resisting Systems(Method 2)



Kh: 2.01*(Ht/Zg)^(2/Alpha)	=	0.87
Kht: Topographic Factor (Figure 6-4)	=	1.00
Qh: .00256*(V)^2*I*Kh*Kht*Kd	=	27.29 psf
Cpww: Windward Wall Cp(Ref Fig 6-6)	=	0.80
Roof Area	=	1985.00 ft^2
Reduction Factor based on Roof Area	=	0.80

MWFRS-Wall Pressures Perpendicular to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)
Leeward Walls	-0.39	-13.90	-4.08
Side Walls	-0.70	-21.15	-11.33

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
25.40	15.40	0.95	1.00	29.72	15.30	25.12	29.20	5.0	13.6
20.00	10.00	0.90	1.00	28.26	14.30	24.13	28.21	14.1	109.2
10.00	.00	0.85	1.00	26.60	13.17	23.00	27.08	22.7	293.2

Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof Location	Cp	+GCpi(psf)	-GCpi(psf)
Windward - Min Cp	-0.12	-7.70	2.13
Windward - Max Cp	0.32	2.51	12.34
Leeward Perp to Ridge	-0.60	-18.83	-9.01
Overhang Top (Windward)	-0.12	-2.78	-2.78
Overhang Top (Leeward)	-0.60	-13.92	-13.92
Overhang (Windward only)	0.80	18.09	18.09

MWFRS-Wall Pressures Parallel to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)

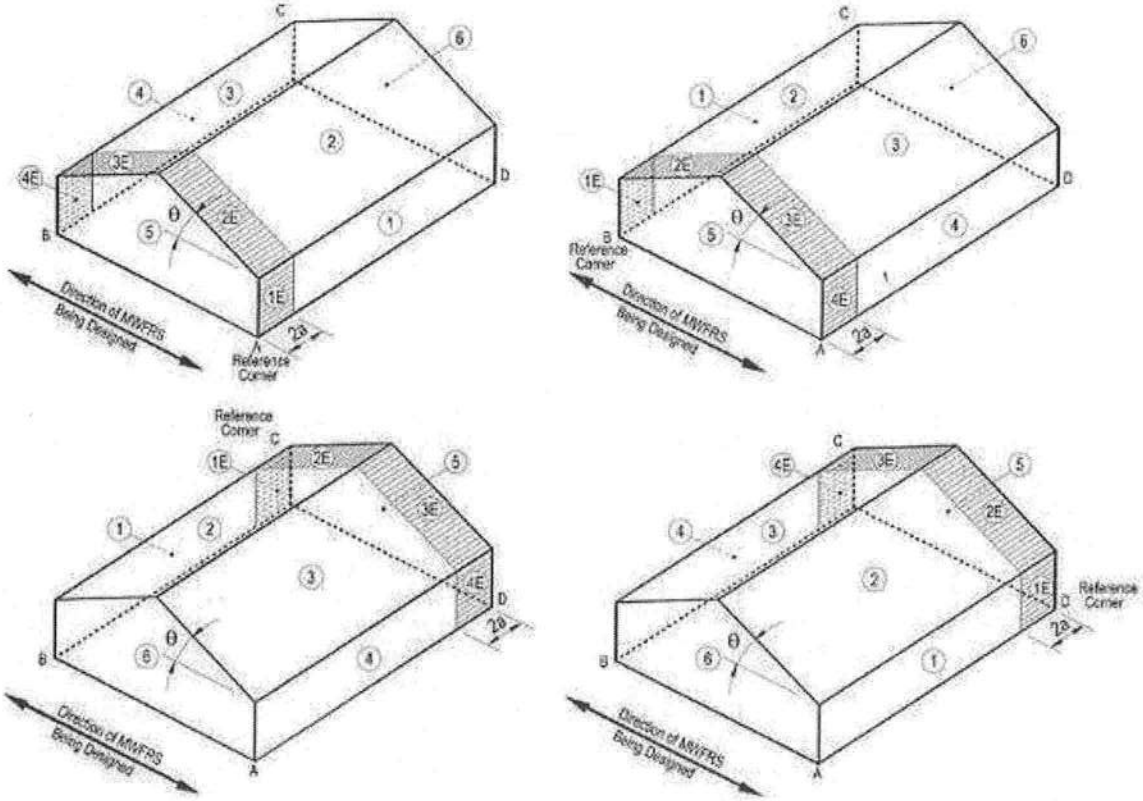
Leeward Walls	-0.50	-16.51	-6.69
Side Walls	-0.70	-21.15	-11.33

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
25.40	15.40	0.95	1.00	29.72	15.30	25.12	31.81	8.6	23.2
20.00	10.00	0.90	1.00	28.26	14.30	24.13	30.82	24.0	186.1
10.00	.00	0.85	1.00	26.60	13.17	23.00	29.69	38.8	500.3

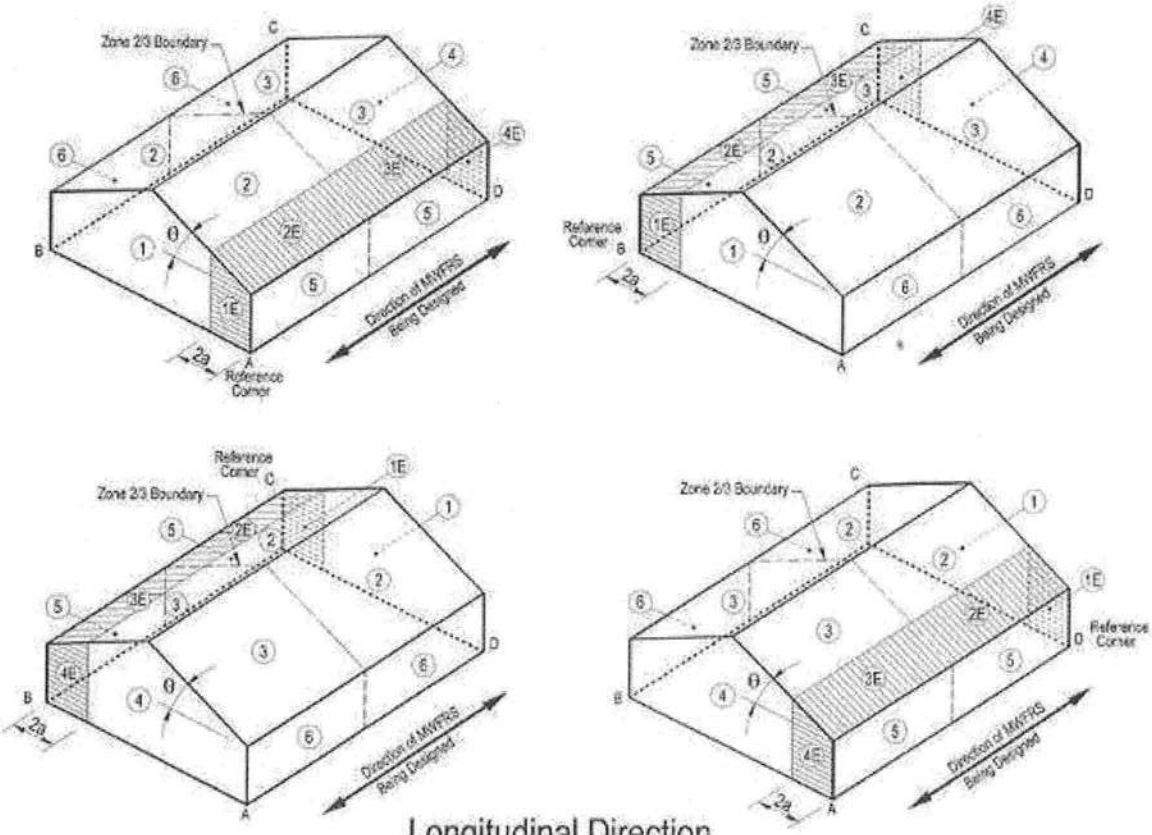
Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof - Dist from Windward Edge	Cp	+GCpi(psf)	-GCpi(psf)
0.0 ft to 8.5 ft	-0.91	-25.98	-16.16
8.5 ft to 17.0 ft	-0.89	-25.52	-15.69
17.0 ft to 32.0 ft	-0.51	-16.79	-6.96

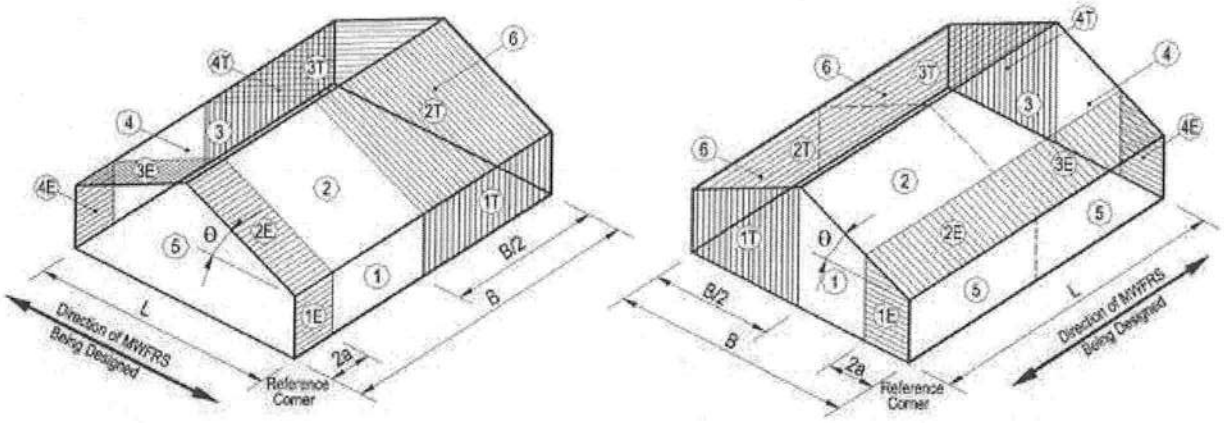
Basic Load Cases



Transverse Direction



Longitudinal Direction



Transverse Direction

Longitudinal Direction

Torsional Load Cases

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Transverse Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.56	0.18	-0.18	27.29	10.37	20.19
2	0.21	0.18	-0.18	27.29	0.82	10.64
3	-0.43	0.18	-0.18	27.29	-16.65	-6.82
4	-0.37	0.18	-0.18	27.29	-15.01	-5.19
5	-0.45	0.18	-0.18	27.29	-17.19	-7.37
6	-0.45	0.18	-0.18	27.29	-17.19	-7.37
1E	0.69	0.18	-0.18	27.29	13.92	23.74
2E	0.27	0.18	-0.18	27.29	2.46	12.28
3E	-0.53	0.18	-0.18	27.29	-19.38	-9.55
4E	-0.48	0.18	-0.18	27.29	-18.01	-8.19
1T	*	*	*	*	2.59	5.05
2T	*	*	*	*	0.20	2.66
3T	*	*	*	*	-4.16	-1.71
4T	*	*	*	*	-3.75	-1.30

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Longitudinal Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.4	0.18	-0.18	27.29	6.00	15.83
2	-0.69	0.18	-0.18	27.29	-23.74	-13.92
3	-0.37	0.18	-0.18	27.29	-15.01	-5.19
4	-0.29	0.18	-0.18	27.29	-12.83	-3.00
5	-0.45	0.18	-0.18	27.29	-17.19	-7.37
6	-0.45	0.18	-0.18	27.29	-17.19	-7.37
1E	0.61	0.18	-0.18	27.29	11.73	21.56
2E	-1.07	0.18	-0.18	27.29	-34.11	-24.29
3E	-0.53	0.18	-0.18	27.29	-19.38	-9.55
4E	-0.43	0.18	-0.18	27.29	-16.65	-6.82
1T	*	*	*	*	1.50	3.96
2T	*	*	*	*	-5.94	-3.48
3T	*	*	*	*	-3.75	-1.30

4T	*	*	*	*	-3.21	-0.75

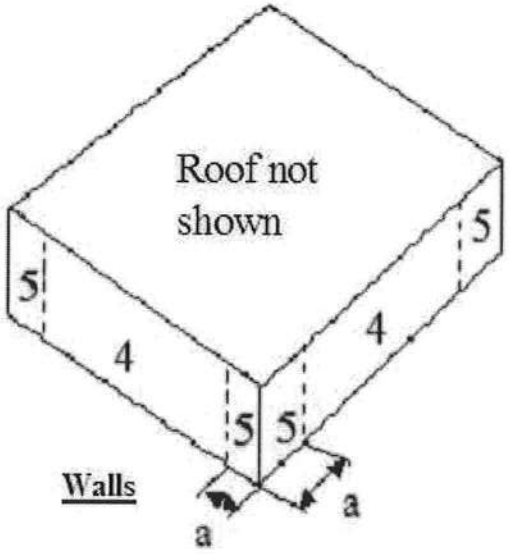
Notes: 1) Min P = qh * (GCPf - (+GCpi))
Notes: 2) Max P = qh * (GCPf - (-GCpi))
Notes: 3) * For Torsional Load Cases, the zones are designated with a "T". The pressures(Min P & Max P) are 25% of the full design wind pressures(Ld Case 1T=25%*1(ld case 1),2T=25%*2,3T=25%*3,4T=25%*4).
Exceptions to Torsional Load Cases: One story buildings with mean roof height<=30 ft(9.1m), buildings with two stories or less framed with light frame construction, and buildings two stories or less designed with flexible diaphragms need not be designed for the Torsional Load Cases. (Note 5 of Figure 6-10)

MECAWind Version 2.0.2.8 ASCE 7-05

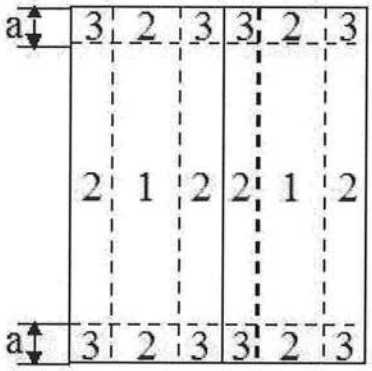
Developed by MECA Enterprises, Inc. Copyright 2009 www.mecaenterprises.com

Date	: 12/3/2009	Project No.	: PF09-136
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Blais Residence
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Columbia Coundy

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais.wnd



Walls



Gable Roof 7 < θ <= 45

Wind Pressure on Components and Cladding

Width of Pressure Coefficient Zone "a" = 3.2 ft

Description	Width ft	Span ft	Area ft^2	Zone	Max GCp	Min GCp	Max P psf	Min P psf
Walls corner	10.00	1.00	10.00	5	1.000	-1.400	32.205	-43.122
Walls	10.00	1.00	10.00	4	1.000	-1.100	32.205	-34.934
Roof Corner	10.00	1.00	10.00	3	0.900	-1.200	29.476	-37.664
Roof Edge	10.00	1.00	10.00	2	0.900	-1.200	29.476	-37.664
Roof	10.00	1.00	10.00	1	0.900	-1.000	29.476	-32.205

Khcc:Comp. & Clad. Table 6-3 Case 1 = 0.87

Qhcc:.00256*V^2*I*Khcc*Kht*Kd = 27.29 psf

MECAWind Version 2.0.2.8 per ASCE 7-05

Developed by MECA Enterprises, Inc. Copyright 2009 www.mecaenterprises.com

Date	: 12/3/2009	Project No.	: PF09-096
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Blais Residence - Open Porch
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Alachua County

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais porch.wnd

Detailed Wind Load Design(Method 2) per ASCE 7-05

Basic Wind Speed(V)	= 110.00 mph	Structure Type	= Building
Structural Category	= II	Exposure Category	= B
Natural Frequency	= N/A	Flexible Structure	= No
Importance Factor	= 1.00	Kd Directional Factor	= 0.85
Alpha	= 7.00	Zg	= 1200.00 ft
At	= 0.14	Bt	= 0.84
Am	= 0.25	Bm	= 0.45
Cc	= 0.30	l	= 320.00 ft
Epsilon	= 0.33	Zmin	= 30.00 ft
Slope of Roof	= 3.03 : 12	Slope of Roof(Theta)	= 14.80 Deg
Ht: Mean Roof Ht	= 24.65 ft	Type of Roof	= Monoslope
RHt: Ridge Ht	= 26.50 ft	Eht: Eave Height	= 22.80 ft
OH: Roof Overhang at Eave	= 2.00 ft	Roof Area	= 731.00 ft^2
Bldg Length Along Ridge	= 50.50 ft	Bldg Width Across Ridge	= 12.00 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:	0.6*Ht	= 30.00 ft
lzm:	Cc*(33/Zm)^0.167	= 0.30
Lzm:	l*(Zm/33)^Epsilon	= 309.99 ft
Q:	(1/(1+0.63*((B+Ht)/Lzm)^0.63))^0.5	= 0.93
Gust2:	0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))	= 0.88

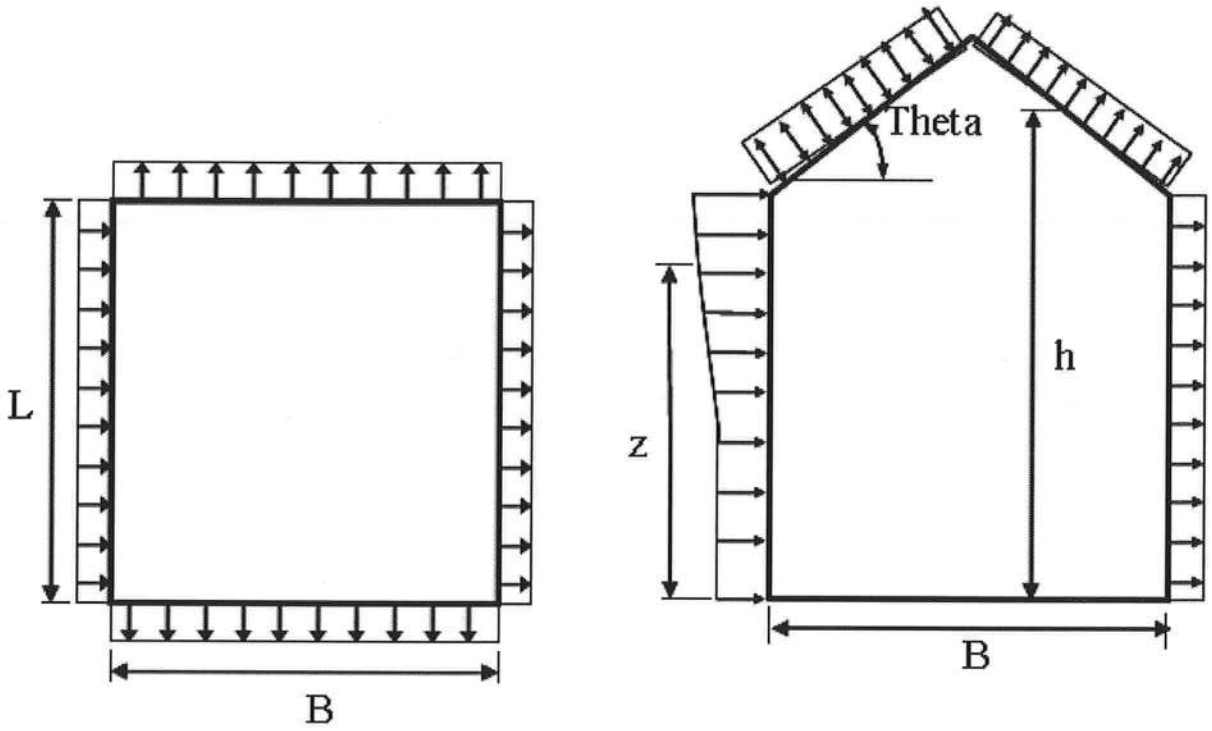
Gust Factor Summary

Not a Flexible Structure use the Lessor of Gust1 or Gust2 = 0.85

Figure 6-5 Internal Pressure Coefficients for Buildings, GCpi

GCPi : Internal Pressure Coefficient = +/-0.18

Figure 6-6 External Pressure Coefficients
Cp - Loads on Main Wind-Force Resisting Systems(Method 2)



Kh: 2.01*(Ht/Zg)^(2/Alpha)	=	0.66
Kht: Topographic Factor (Figure 6-4)	=	1.00
Qh: .00256*(V)^2*I*Kh*Kht*Kd	=	17.44 psf
Cpww: Windward Wall Cp(Ref Fig 6-6)	=	0.80
Roof Area	=	731.00 ft^2
Reduction Factor based on Roof Area	=	0.84

MWFRS-Wall Pressures Perpendicular to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)
Leeward Walls	-0.50	-10.55	-4.27
Side Walls	-0.70	-13.52	-7.24

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
26.50	16.50	0.68	1.00	17.80	8.97	15.25	19.52	6.4	20.8
20.00	10.00	0.62	1.00	16.43	8.03	14.31	18.58	15.8	131.8
10.00	.00	0.57	1.00	15.13	7.15	13.43	17.70	24.7	334.4

Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

Roof Location	Cp	+GCpi(psf)	-GCpi(psf)
Windward - Min Cp	-1.01	-18.11	-11.83
Windward - Max Cp	-0.18	-5.81	0.47
Leeward Perp to Ridge	-0.60	-12.03	-5.76
Overhang Top (Windward)	-1.01	-14.97	-14.97
Overhang Top (Leeward)	-0.60	-8.89	-8.89
Overhang (Windward only)	0.80	11.60	11.60

MWFRS-Wall Pressures Parallel to Ridge

Wall	Cp	+GCpi(psf)	-GCpi(psf)

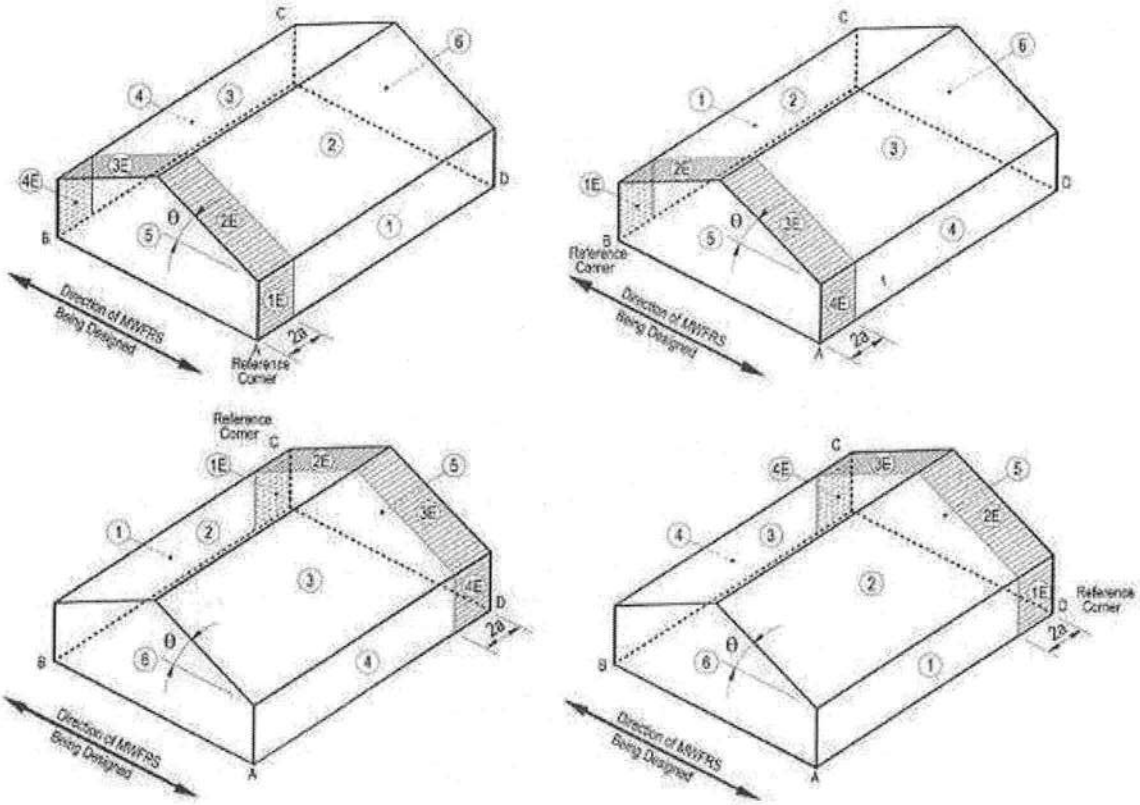
Leeward Walls	-0.20	-6.10	0.17
Side Walls	-0.70	-13.52	-7.24

Top Elev ft	Bot Elev ft	Kz	Kzt	qz psf	-Windward Wall- +GCpi	-GCpi	Total +/-GCpi	Shear Kip	Moment K-ft
26.50	16.50	0.68	1.00	17.80	8.97	15.25	15.07	1.2	3.8
20.00	10.00	0.62	1.00	16.43	8.03	14.31	14.14	2.9	24.1
10.00	.00	0.57	1.00	15.13	7.15	13.43	13.25	4.5	60.7

Note: 1) Total = Leeward GCPi + Windward GCPi
2) Shear and Moment are sum of forces (Leeward+Windard) acting at 'Bot Elev'

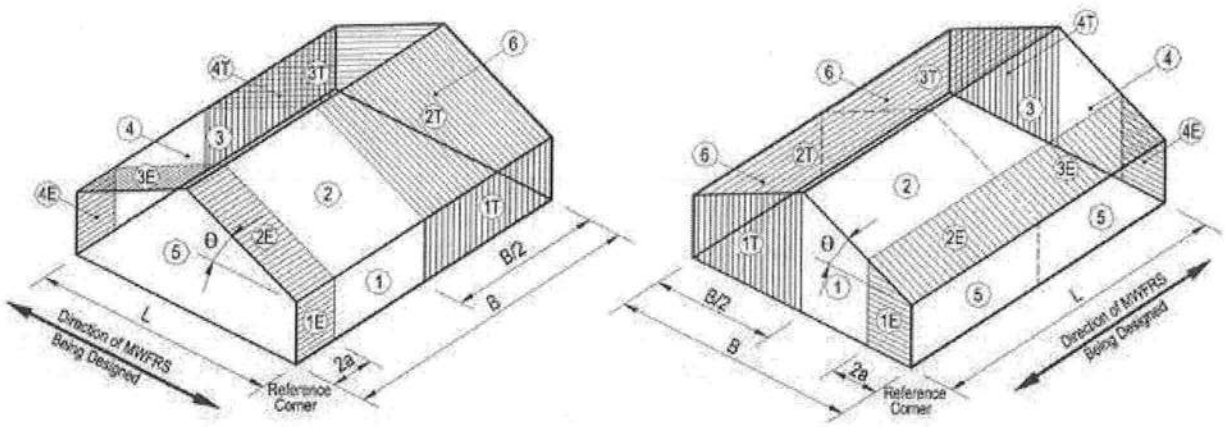
Roof - Dist from Windward Edge	Cp	+GCpi(psf)	-GCpi(psf)
0.0 ft to 12.3 ft	-0.90	-16.48	-10.20
12.3 ft to 24.7 ft	-0.90	-16.48	-10.20
24.7 ft to 49.3 ft	-0.50	-10.55	-4.27
49.3 ft to 50.5 ft	-0.30	-7.59	-1.31

Basic Load Cases



Transverse Direction

Longitudinal Direction



Transverse Direction

Longitudinal Direction

Torsional Load Cases

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Transverse Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.48	0.18	-0.18	18.45	5.54	12.18
2	-0.69	0.18	-0.18	18.45	-16.05	-9.41
3	-0.44	0.18	-0.18	18.45	-11.44	-4.80
4	-0.38	0.18	-0.18	18.45	-10.33	-3.69
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	10.15	16.79
2E	-1.07	0.18	-0.18	18.45	-23.06	-16.42
3E	-0.63	0.18	-0.18	18.45	-14.94	-8.30
4E	-0.57	0.18	-0.18	18.45	-13.84	-7.20
1T	*	*	*	*	1.38	3.04
2T	*	*	*	*	-4.01	-2.35
3T	*	*	*	*	-2.86	-1.20
4T	*	*	*	*	-2.58	-0.92

Low Rise Bldg Provisions per Fig. 6-10: MWFRS Longitudinal Direction

Building Surface	GCpf	+GCpi	-GCpi	qh psf	Min P psf	Max P psf
1	0.4	0.18	-0.18	18.45	4.06	10.70
2	-0.69	0.18	-0.18	18.45	-16.05	-9.41
3	-0.37	0.18	-0.18	18.45	-10.15	-3.51
4	-0.29	0.18	-0.18	18.45	-8.67	-2.03
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	0.61	0.18	-0.18	18.45	7.93	14.58
2E	-1.07	0.18	-0.18	18.45	-23.06	-16.42
3E	-0.53	0.18	-0.18	18.45	-13.10	-6.46
4E	-0.43	0.18	-0.18	18.45	-11.25	-4.61
1T	*	*	*	*	1.01	2.68
2T	*	*	*	*	-4.01	-2.35
3T	*	*	*	*	-2.54	-0.88

4T	*	*	*	*	-2.17	-0.51

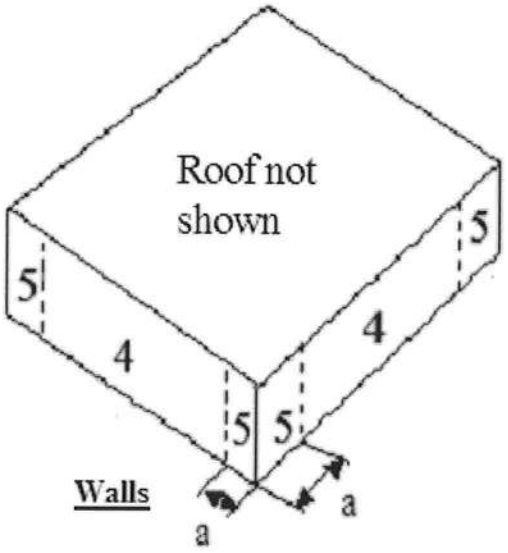
Notes: 1) Min P = qh * (GCPf - (+GCpi))
Notes: 2) Max P = qh * (GCPf - (-GCpi))
Notes: 3) * For Torsional Load Cases, the zones are designated with a "T". The pressures(Min P & Max P) are 25% of the full design wind pressures(Ld Case 1T=25%*1(ld case 1),2T=25%*2,3T=25%*3,4T=25%*4).
Exceptions to Torsional Load Cases: One story buildings with mean roof height<=30 ft(9.1m), buildings with two stories or less framed with light frame construction, and buildings two stories or less designed with flexible diaphragms need not be designed for the Torsional Load Cases. (Note 5 of Figure 6-10)

MECAWind Version 2.0.2.8 ASCE 7-05

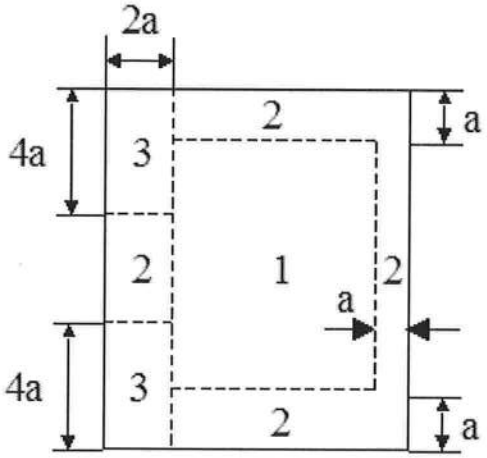
Developed by MECA Enterprises, Inc. Copyright 2009 www.mecaenterprises.com

Date	: 12/3/2009	Project No.	: PF09-096
Company Name	: GTC Design Group	Designed By	: Gary Gill
Address	: 130 W. Howard St.	Description	: Blais Residence - Open Porch
City	: Live Oak	Customer Name	: SRLH
State	: FL	Proj Location	: Alachua County

File Location: P:\2009\PF09-136 SRLH Blais WL & Zero Rise\Calculations\Structural\Blais porch.wnd



Walls



Monoslope Roof 10 < θ <= 30

Wind Pressure on Components and Cladding

Width of Pressure Coefficient Zone "a" = 3 ft

Description	Width ft	Span ft	Area ft^2	Zone	Max GCp	Min GCp	Max P psf	Min P psf
Walls corner	10.00	1.00	10.00	5	1.000	-1.400	21.767	-29.145
Walls	10.00	1.00	10.00	4	1.000	-1.100	21.767	-23.611
Roof Corner	10.00	1.00	10.00	3	0.400	-2.900	10.699	-56.815
Roof Edge	10.00	1.00	10.00	2	0.400	-1.600	10.699	-32.834
Roof	10.00	1.00	10.00	1	0.400	-1.300	10.699	-27.301

Khcc:Comp. & Clad. Table 6-3 Case 1 = 0.70

Qhcc:.00256*V^2*I*Khcc*Kht*Kd = 18.45 psf

GTC DESIGN GROUP

Project name: Smith Residence
Project: PF09-096
Client SRLH
Calculations: G.G.
Date: 9/9/2007

Wind, Dead and Live Load Calculations

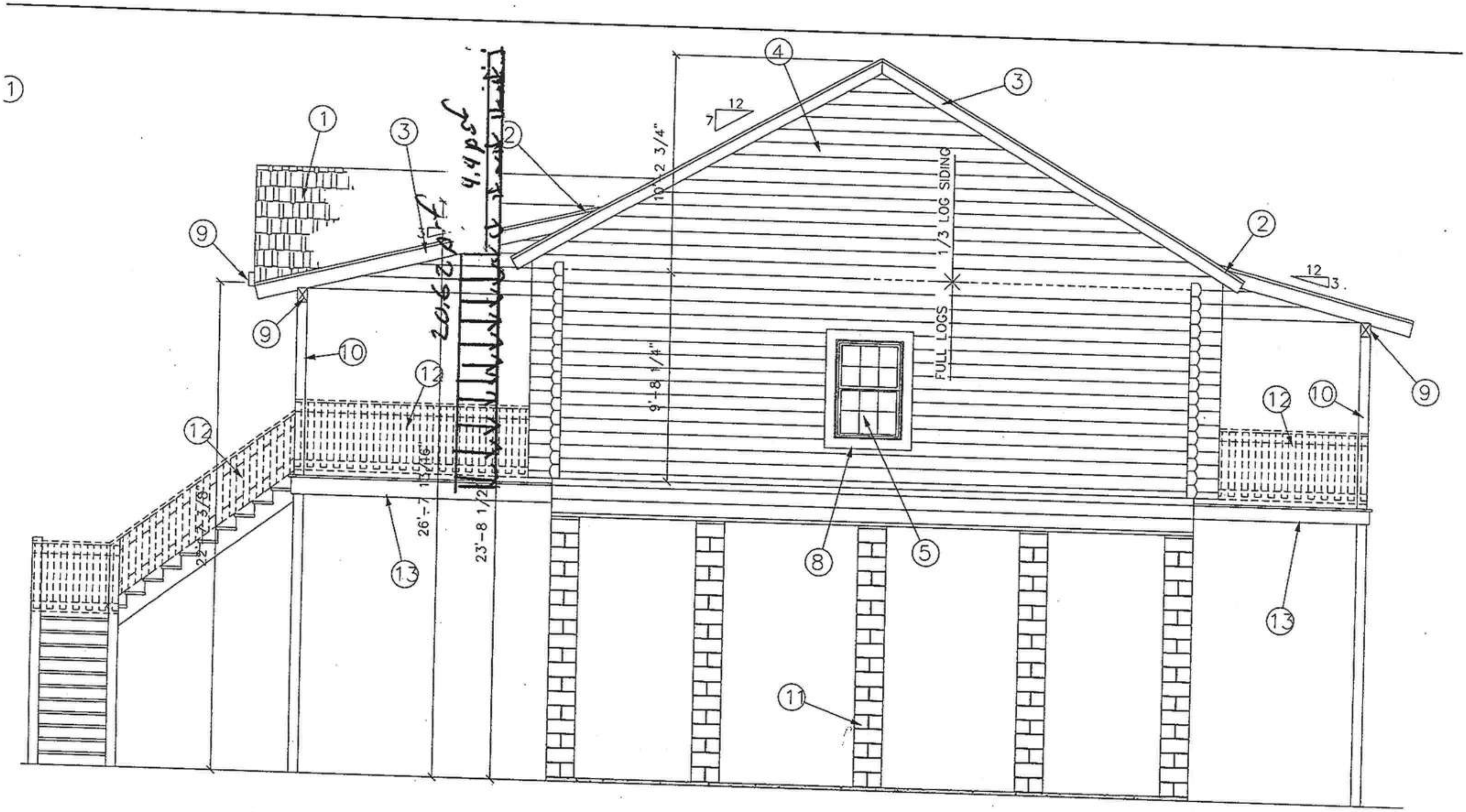
Roof Elements

Items	Description	DL (psf)	RLL (psf)	WL -C&C)	WL-Main	Trib. Wid.	wdead	wrll	wwl(CC)	wwl(main)
1	Ridge Beams	15	20	-25.46	-16.05	15	261	300	-381.9	-240.75

Floor Elements

Items	Description	DL-flr (psf)	DL-wall (psf)	LL (psf)	RLL (psf)	Trib. Wid.	Wall hgt	wdead (plf)	wll (plf)	wrll (plf)
1	Flr Girder (1)	10	8	40		6.5	12.00	161	260	
2	Flr Girder (2)	10		40		16.50		165.00	660.00	
3	Flr Girder (3)	10		40		19.20		192.00	768.00	
4	Flr Girder (4)	10	8	40		8.50	12.00	181	340	
5	Perimeter Bm	15	8		20	7.00	10	185		140

WIND LOAD

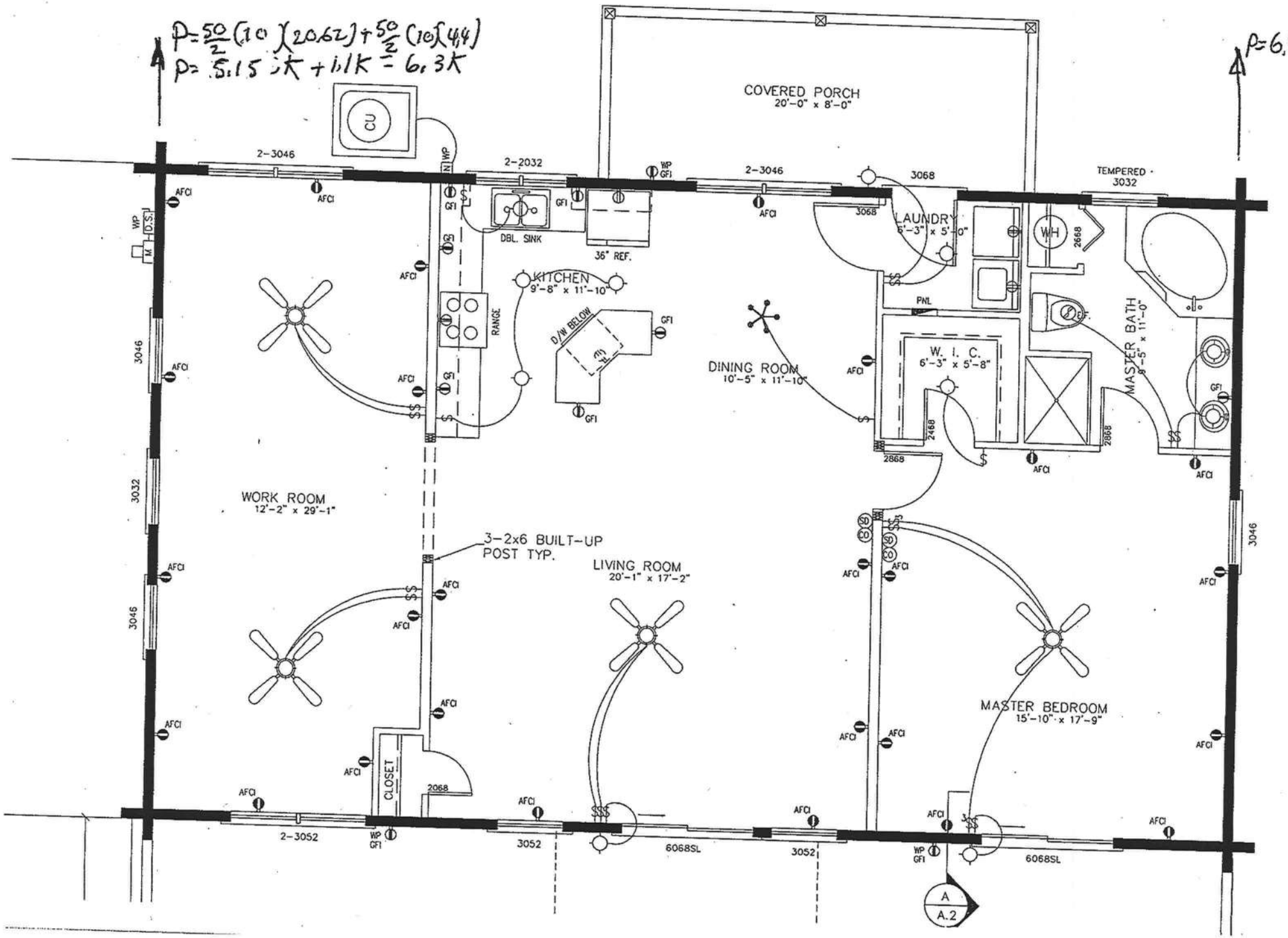


1/3 LOG SIDING
FULL LOGS
10'-2 3/4"
9'-8 1/4"
26'-7 13/16"
23'-8 1/2"
22'-3 3/8"
20.62 plf
4.4 psf

HORIZONTAL
LOAD

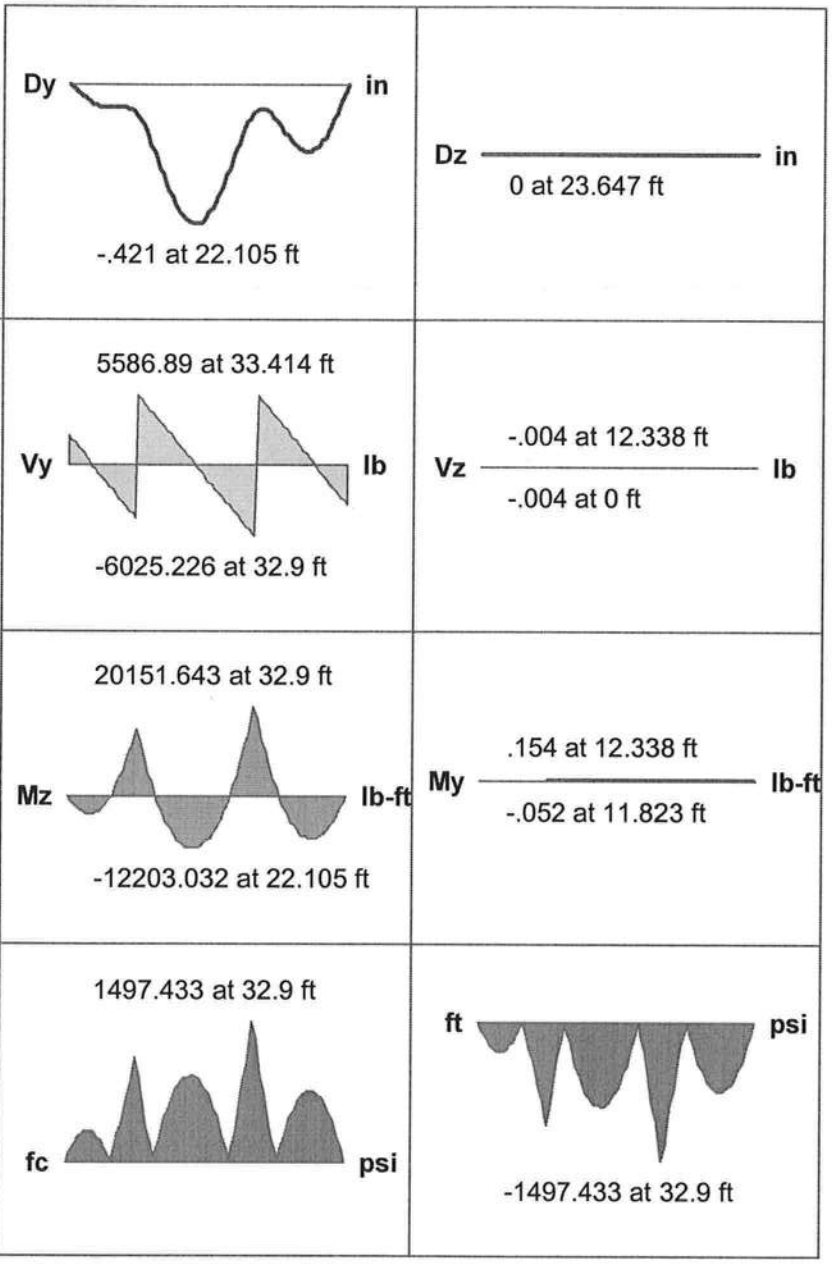
$P = \frac{50}{2}(10)(20.62) + \frac{50}{2}(10)(4.4)$

$P = 5.15K + 1.1K = 6.3K$



Beam: ***M1***

Shape: **5.125X13.75FS**
Material: **Glu-lam**
Length: **49.35 ft**
I Joint: **N1**
J Joint: **N4**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.587 (bending)**
Report Based On 97 Sections



NDS 2005 Code Check

Max Bending Check	**0.587**	Max Shear Check	**0.398 (y)**
Location	**32.9 ft**	Location	**32.9 ft**
Equation	**3.9-3**	Max Defl Ratio	**L/1406**

CD **1.25** RB **17.607** CL **.85** CV **.952**
Cr **1** Cfu **1.1** CP **.025**

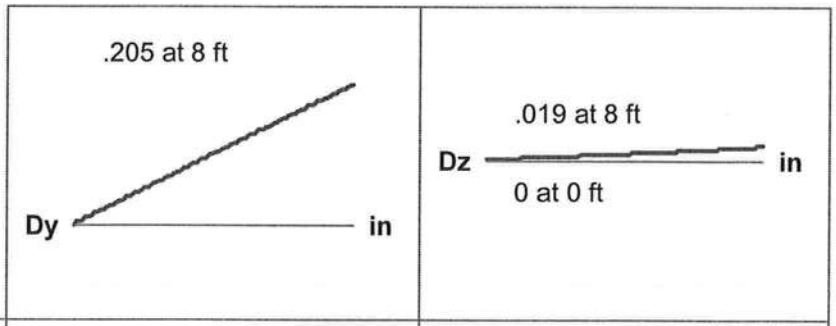
	(psi)	Cm	Ct	CF
Fc'	**51.922**	**1**	**1**	**1**
Ft'	**1437.5**	**1**	**1**	**1**
Fb1'	**2550.156**	**1**	**1**	**1**
Fb2'	**2289.978**	**1**	**1**	**1**
Fv'	**293.75**	**1**	**1**	
E'	**1.8e+6**	**1**	**1**	

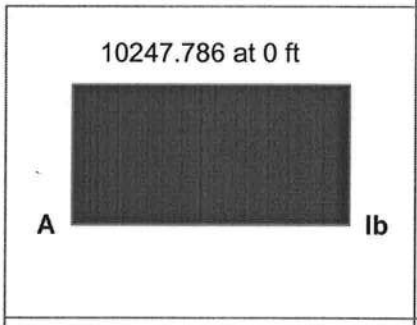
	Y-Y	Z-Z
Lb	**49.35 ft**	**49.35 ft**
le/d	**115.551**	**43.069**
Sway	**No**	**No**

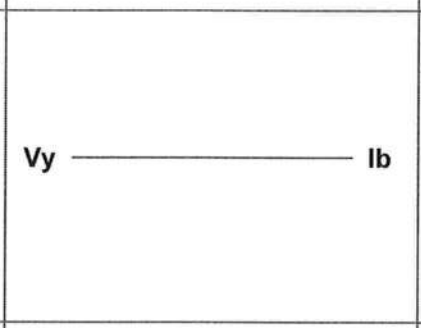
Le-Bending Top **49.35 ft**
Le-Bending Bot **49.35 ft**

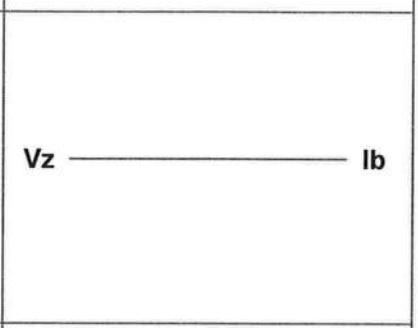
Column: ***M2***

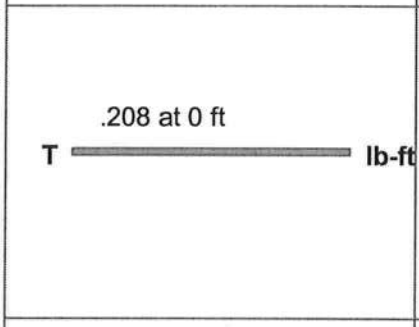
Shape: **6X6**
Material: **Cypress**
Length: **8 ft**
I Joint: **N2**
J Joint: **N5**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.582 (bending)**
Report Based On 97 Sections

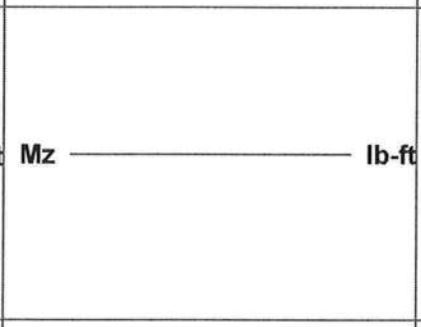


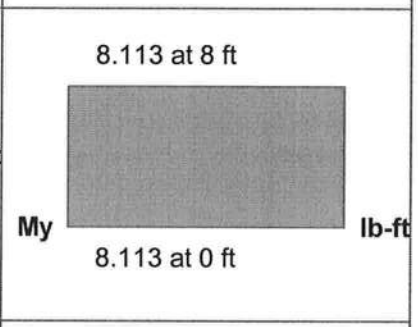


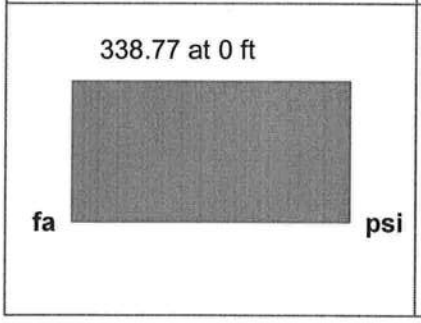


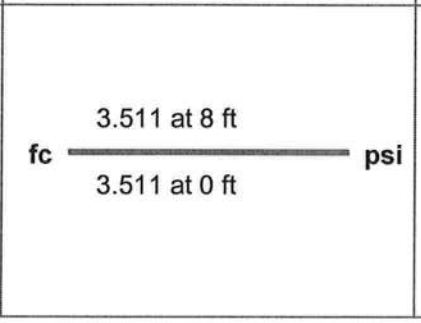


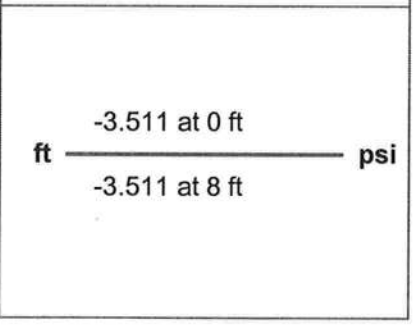












NDS 2005 Code Check

Max Bending Check	**0.582**	Max Shear Check	**0.000 (z)**
Location	**0 ft**	Location	**0 ft**
Equation	**3.6.3**	Max Defl Ratio	**L/5159**

CD **1.25** RB **4.178** CL **1**
Cr **1** Cfu **1** CP **.776**

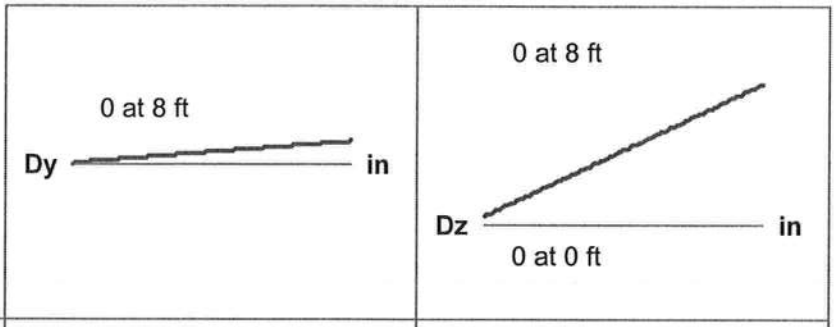
	(psi)	Cm	Ct	CF
Fc'	**582.081**	**1**	**1**	**1**
Ft'	**531.25**	**1**	**1**	**1**
Fb1'	**781.25**	**1**	**1**	**1**
Fb2'	**781.25**	**1**	**1**	**1**
Fv'	**218.75**	**1**	**1**	
E'	**1e+6**	**1**	**1**	

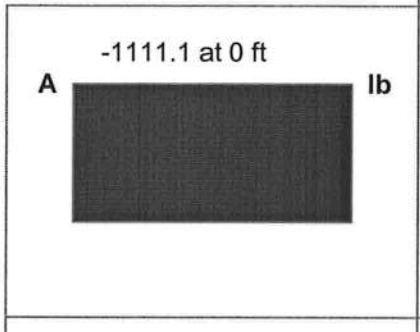
	Y-Y	Z-Z
Lb	**8 ft**	**8 ft**
le/d	**17.455**	**17.455**
Sway	**No**	**No**

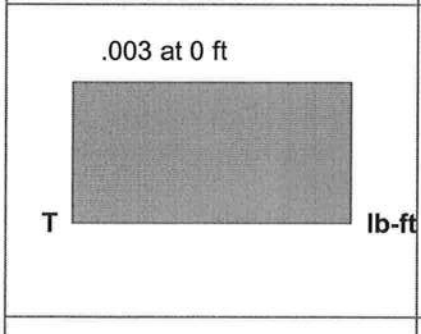
Le-Bending Top **8 ft**
Le-Bending Bot **8 ft**

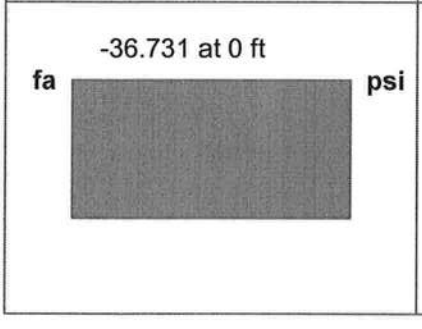
Column: ***M3***

Shape: **6X6**
Material: **Cypress**
Length: **8 ft**
I Joint: **N3**
J Joint: **N6**
LC 5: (.6DL+WL)IBC 16-14
Code Check: **0.054 (bending)**
Report Based On 97 Sections









NDS 2005 Code Check

Max Bending Check	**0.054**	Max Shear Check	**0.000 (z)**
Location	**0 ft**	Location	**0 ft**
Equation	**3.9-1**	Max Defl Ratio	**L/10000**

CD **1.6** RB **4.178** CL **1**
Cr **1** Cfu **1** CP **.7**

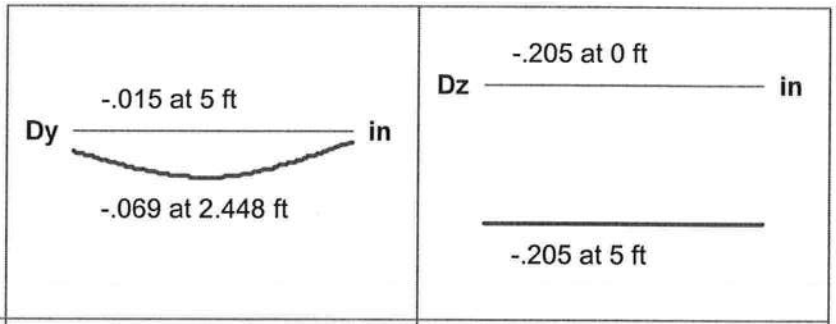
	(psi)	Cm	Ct	CF
Fc'	**672.011**	**1**	**1**	**1**
Ft'	**680**	**1**	**1**	**1**
Fb1'	**1000**	**1**	**1**	**1**
Fb2'	**1000**	**1**	**1**	**1**
Fv'	**280**	**1**	**1**	
E'	**1e+6**	**1**	**1**	

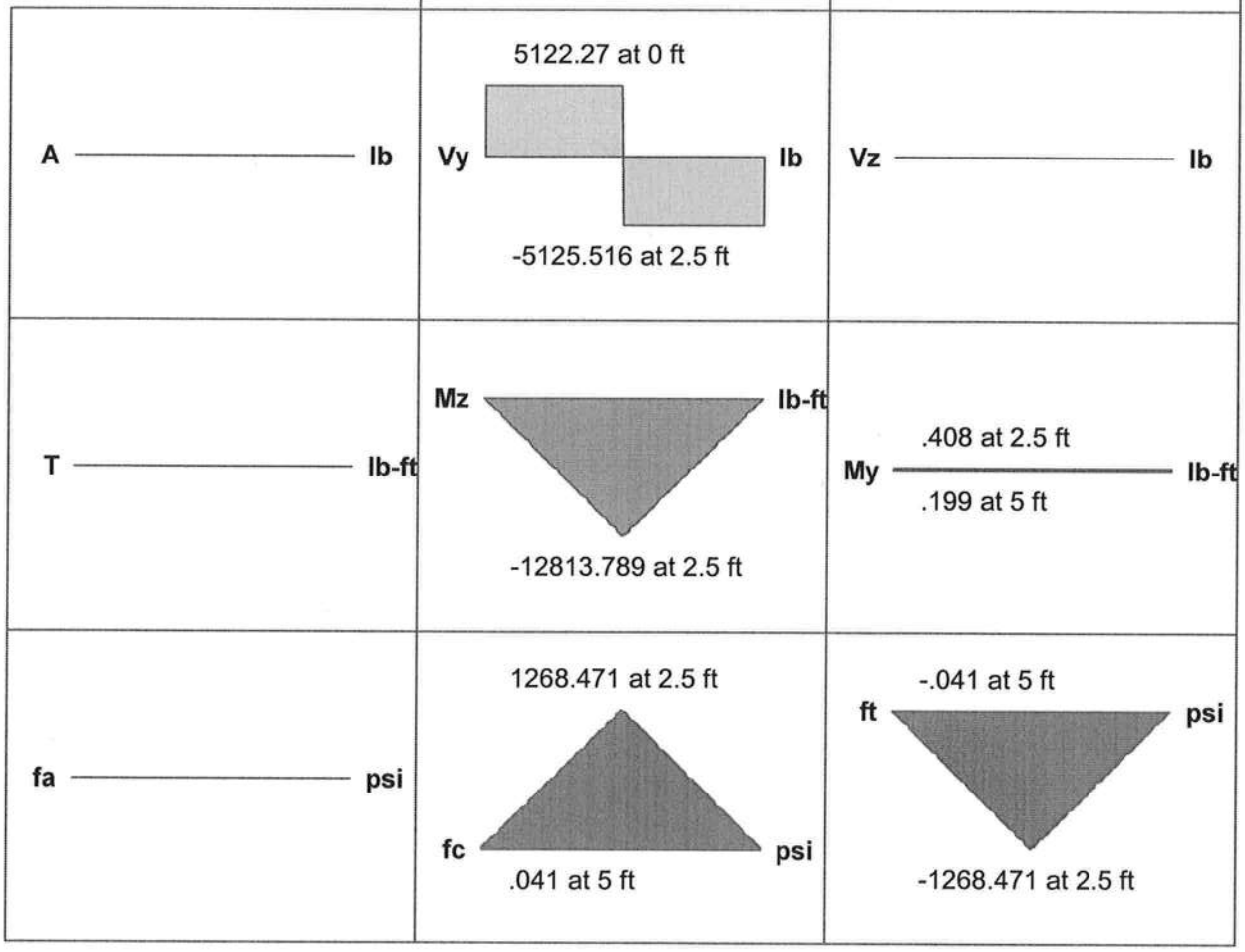
	Y-Y	Z-Z
Lb	**8 ft**	**8 ft**
le/d	**17.455**	**17.455**
Sway	**No**	**No**

Le-Bending Top **8 ft**
Le-Bending Bot **8 ft**

Column: ***M4***

Shape: **6X12**
Material: **DF Larch**
Length: **5 ft**
I Joint: **N7**
J Joint: **N8**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.752 (bending)**
Report Based On 97 Sections





NDS 2005 Code Check

Max Bending Check	**0.752**	Max Shear Check	**0.572 (y)**
Location	**2.5 ft**	Location	**2.5 ft**
Equation	**3.9-3**	Max Defl Ratio	**L/1304**

CD **1.25** RB **4.776** CL **1**
Cr **1** Cfu **1** CP **.932**

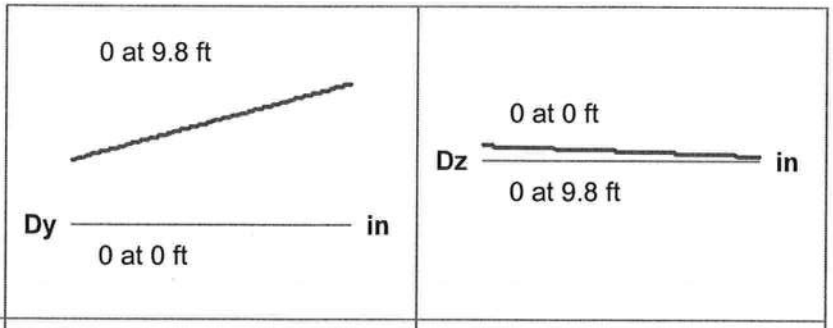
	(psi)	Cm	Ct	CF
Fc'	**1077.751**	**1**	**1**	**1**
Ft'	**843.75**	**1**	**1**	**1**
Fb1'	**1687.5**	**1**	**1**	**1**
Fb2'	**1687.5**	**1**	**1**	**1**
Fv'	**212.5**	**1**	**1**	
E'	**1.6e+6**	**1**	**1**	

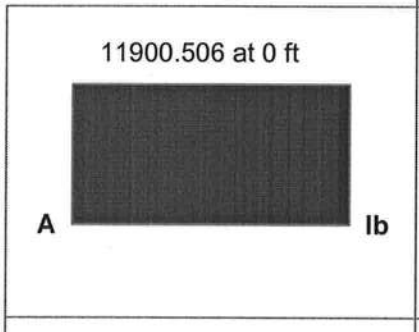
	Y-Y	Z-Z
Lb	**5 ft**	**5 ft**
le/d	**10.909**	**5.217**
Sway	**No**	**No**

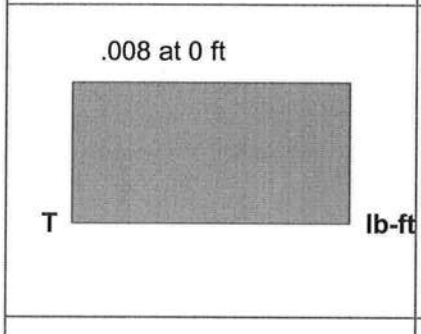
Le-Bending Top **5 ft**
Le-Bending Bot **5 ft**

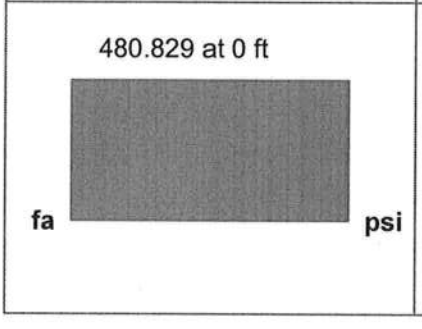
Column: ***M7***

Shape: **3-2X6**
Material: **So Pine**
Length: **9.8 ft**
I Joint: **N6**
J Joint: **N9**
LC 3: (DL+RLL) IBC 16-10 (a)
Code Check: **0.748 (bending)**
Report Based On 97 Sections









NDS 2005 Code Check

Max Bending Check	**0.748**	Max Shear Check	**0.000 (z)**
Location	**0 ft**	Location	**0 ft**
Equation	**3.6.3**	Max Defl Ratio	**L/10000**

CD **1.25** RB **5.652** CL **1**
Cr **1** Cfu **1.15** CP **.321**

	(psi)	Cm	Ct	CF
Fc'	**642.645**	**1**	**1**	**1**
Ft'	**906.25**	**1**	**1**	**1**
Fb1'	**1562.5**	**1**	**1**	**1**
Fb2'	**1796.875**	**1**	**1**	**1**
Fv'	**218.75**	**1**	**1**	
E'	**1.6e+6**	**1**	**1**	

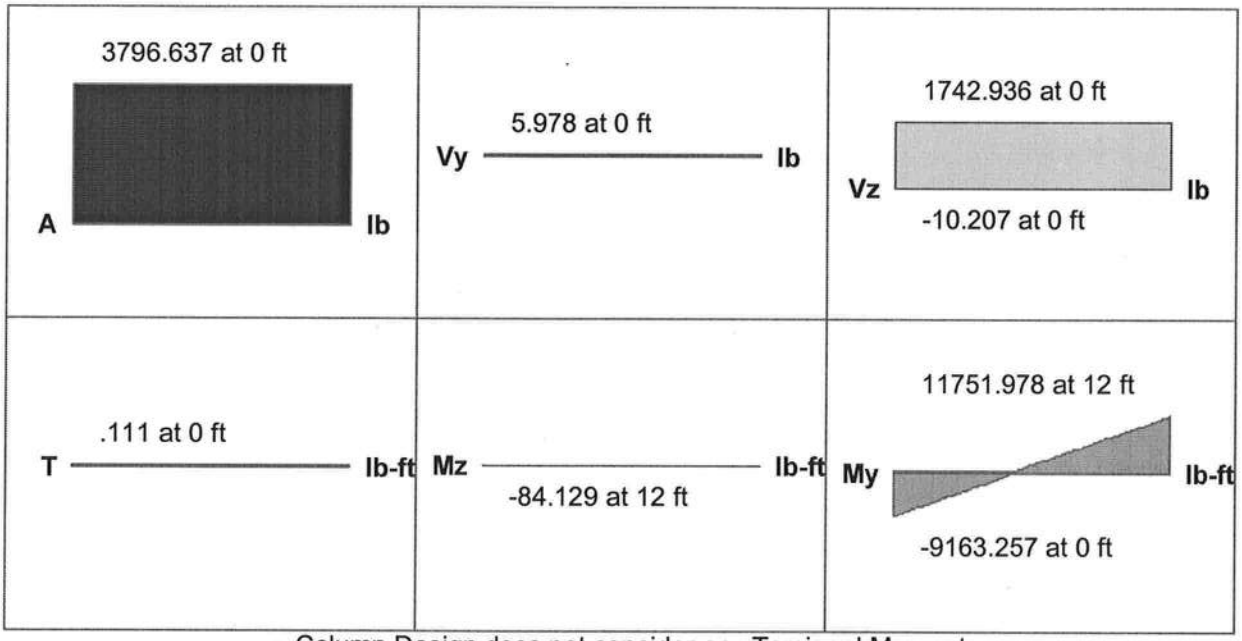
	Y-Y	Z-Z
Lb	**9.8 ft**	**9.8 ft**
le/d	**26.133**	**21.382**
Sway	**No**	**No**

Le-Bending Top **9.8 ft**
Le-Bending Bot **9.8 ft**

Column: ***M23***

Shape:	**CRECT12X12**	Concrete Stress Block:	**Rectangular**
Material:	**Conc3000NW**	Cracked Sections Used:	**Yes**
Length:	**12 ft**	Cracked 'I' Factor:	**.70**
I Joint:	**N31**	Effective 'I':	**1209.6 in^4**
J Joint:	**N36**	Biaxial Bending Solution:	**PCA Load Contour**
		Parme Beta Factor:	**0.65**

Code Check: **0.335 (bending)**
Report Based On 97 Sections

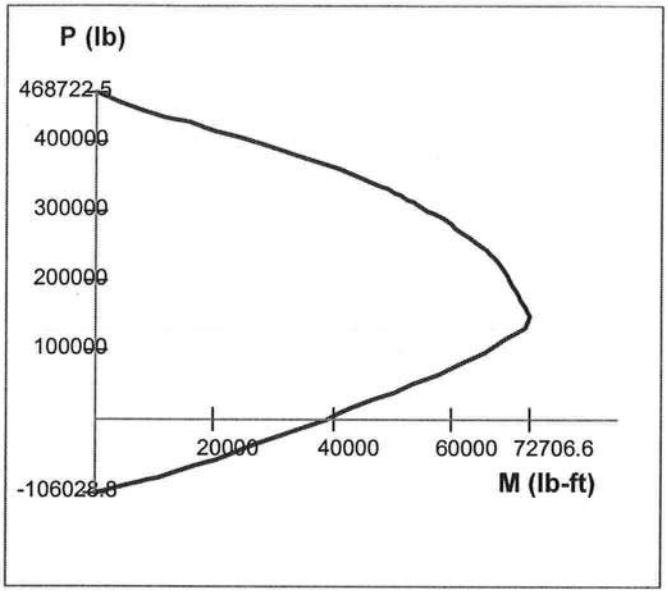


Column Design does not consider any Torsional Moments

AISC 360-05 Code Check

		Bending Check	**0.335**	Shear Check	**0.074 (z)**
Gov LC	**5**	Location	**.625 ft**	Location	**.625 ft**
Gov Pu	**0 lb**	Gov Muy	**-11751.978 lb-ft**	Gov Vuy	**5.978 lb**
phi*Pn	**0 lb**	Gov Muz	**0 lb-ft**	Gov Vuz	**1742.936 lb**
Phi eff.	**.9**	phi*Mny	**35035.508 lb-ft**	phi*Vny	**23663.276 lb**
		phi*Mnz		phi*Vnz	**23663.276 lb**
Tension Bar Fy	**60000 psi**	Concrete Weight	**.145 k/ft^3**	Bar Cover	**1.5 in**
Shear Bar Fy	**60000 psi**	Concrete Type	**Normal WT**	Sway yy	**No**
F'c	**3000 psi**	E_Concrete	**3.156e+6 psi**	Sway zz	**No**
Flex. Rebar Set	**ASTM A615**	Shear Rebar Set	**ASTM A615**		

Column Interaction Diagram



Span Information

Span	Span Length (ft)	I-Face Dist. (in)	J-Face Dist. (in)
1	0 - 12	6.875	0

Column Steel

Span	Main Bars	Gov LC	Loc (ft)	Pu (lb)	Muy (lb-ft)	Muz (lb-ft)
1	4 #6	1	.625 ft	0	105.346	105.346

Axial Span Results

Span	Phi_eff	Pn (lb)	Po (lb)	Rho Gross	As Prvd (in^2)
1	.9		468722.53	.0123	1.767

Bending Span Results

Span	ecc. y (ft)	ecc. z (ft)	NA y-y (ft)	NA z-z (ft)	Mny (lb-ft)	Mnz (lb-ft)	Mnoy (lb-ft)	Mnoz (lb-ft)
1	0	0			117.051	117.051	38928.343	38928.343

Slender Bending Span Results

Span	KL/r yy	KL/r zz	Cm yy	Cm zz	Lu yy (ft)	Lu zz (ft)	Mcy (lb-ft)	Mcz (lb-ft)
1	42	42	.4	.677	12	12	105.346	105.346

Shear Steel

Span	Region (ft)	Bars Provided
1	.6 - 12	12 #4 @12in
	-	
	-	
	-	

y-Dir Shear Span Results

Span	Region (ft)	Vny (lb)	Vcy (lb)	Vsy (lb)	Asy Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	31551.034	12652.391	18898.643	0	.033
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

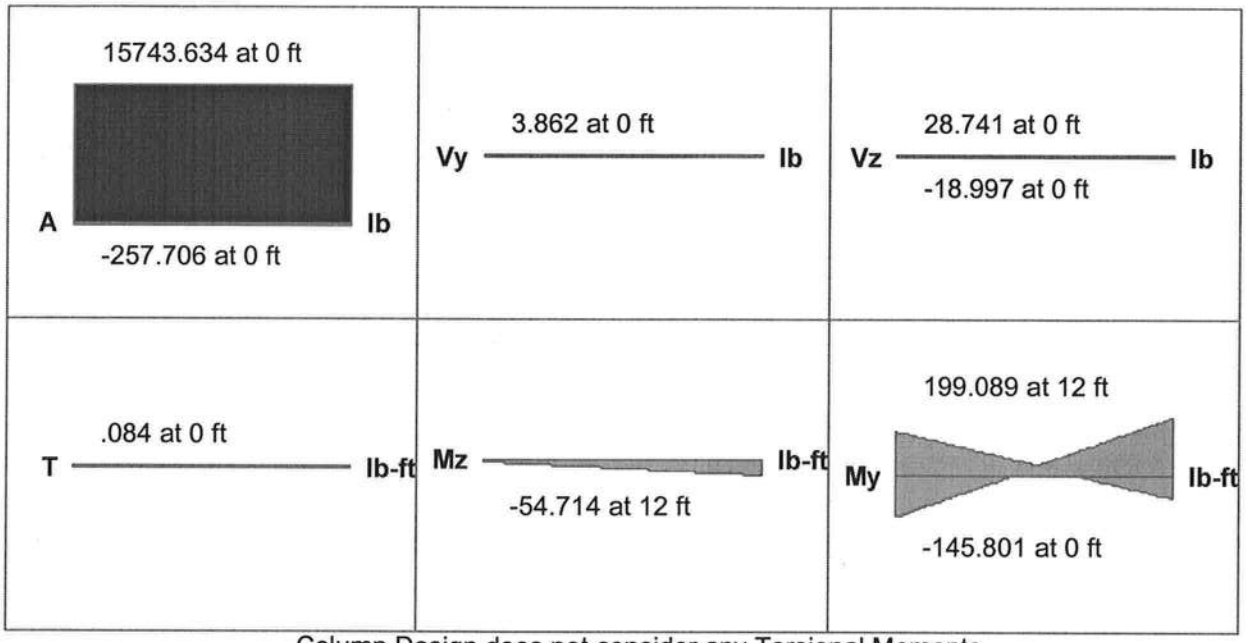
z-Dir Shear Span Results

Span	Region (ft)	Vnz (lb)	Vcz (lb)	Vsz (lb)	Asz Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	31551.034	12652.391	18898.643	0	.033
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

Column: ***M17***

Shape:	**CRECT12X12**	Concrete Stress Block:	**Rectangular**
Material:	**Conc3000NW**	Cracked Sections Used:	**Yes**
Length:	**12 ft**	Cracked 'I' Factor:	**.70**
I Joint:	**N9**	Effective 'I':	**1209.6 in^4**
J Joint:	**N21A**	Biaxial Bending Solution:	**PCA Load Contour**
		Parme Beta Factor:	**0.65**

Code Check: **0.008 (bending)**
Report Based On 97 Sections

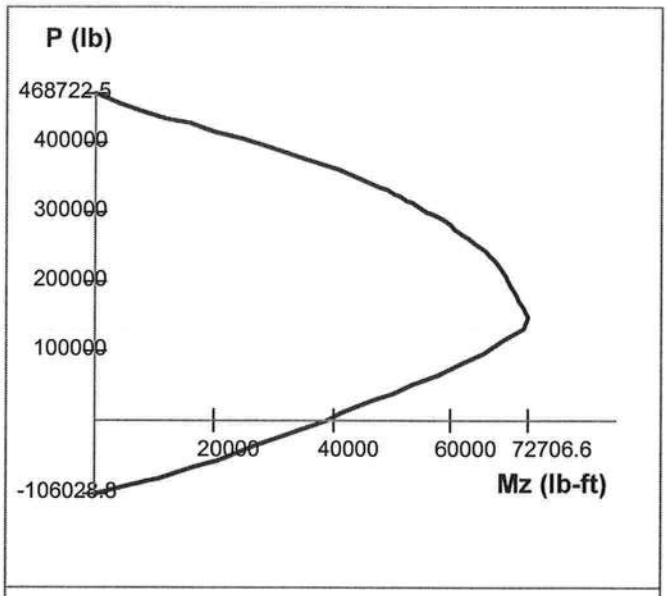


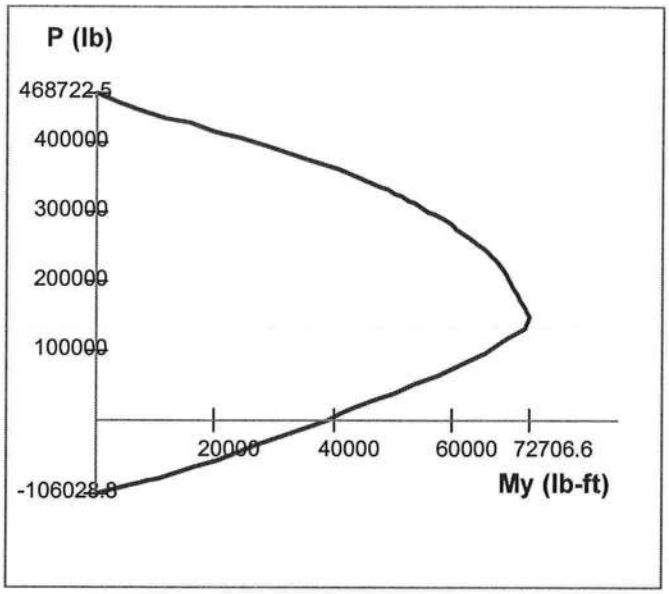
Column Design does not consider any Torsional Moments

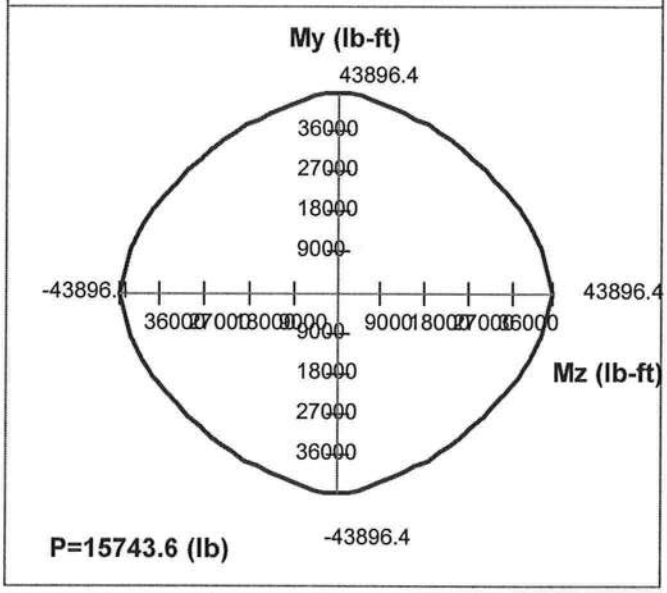
AISC 360-05 Code Check

		Bending Check	**0.008**	Shear Check	**0.001 (z)**
Gov LC	**4**	Location	**.625 ft**	Location	**.625 ft**
Gov Pu	**15743.634 lb**	Gov Muy	**1259.491 lb-ft**	Gov Vuy	**3.862 lb**
phi*Pn	**15743.634 lb**	Gov Muz	**1259.491 lb-ft**	Gov Vuz	**28.741 lb**
Phi eff.	**.9**	phi*Mny	**1259.491 lb-ft**	phi*Vny	**37957.173 lb**
		phi*Mnz	**1259.491 lb-ft**	phi*Vnz	**37957.173 lb**
Tension Bar Fy	**60000 psi**	Concrete Weight	**.145 k/ft^3**	Bar Cover	**1.5 in**
Shear Bar Fy	**60000 psi**	Concrete Type	**Normal WT**	Sway yy	**No**
F'c	**3000 psi**	E_Concrete	**3.156e+6 psi**	Sway zz	**No**
Flex. Rebar Set	**ASTM A615**	Shear Rebar Set	**ASTM A615**		

Column Interaction Diagram







Span Information

Span	Span Length (ft)	I-Face Dist. (in)	J-Face Dist. (in)
1	**0 - 12**	**6.875**	**0**

Column Steel

Span	Main Bars	Gov LC	Loc (ft)	Pu (lb)	Muy (lb-ft)	Muz (lb-ft)
1	**4 #6**	**1**	**.625 ft**	**6841.992**	**547.359**	**547.359**

Axial Span Results

Span	Phi_eff	Pn (lb)	Po (lb)	Rho Gross	As Prvd (in^2)
1	**.9**	**7602.213**	**468722.53**	**.0123**	**1.767**

Bending Span Results

Span	ecc. y (ft)	ecc. z (ft)	NA y-y (ft)	NA z-z (ft)	Mny (lb-ft)	Mnz (lb-ft)	Mnoy (lb-ft)	Mnoz (lb-ft)
1	**.08**	**.08**			**608.177**	**608.177**	**41340.408**	**41340.408**

Slender Bending Span Results

Span	KL/r yy	KL/r zz	Cm yy	Cm zz	Lu yy (ft)	Lu zz (ft)	Mcy (lb-ft)	Mcz (lb-ft)
1	**42**	**42**	**.4**	**.679**	**12**	**12**	**547.359**	**547.359**

Shear Steel

Span	Region (ft)	Bars Provided
1	.6 - 12	35 #4 @4in
	-	
	-	
	-	

y-Dir Shear Span Results

Span	Region (ft)	Vny (lb)	Vcy (lb)	Vsy (lb)	Asy Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	50609.564	0	50609.564	0	.098
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

z-Dir Shear Span Results

Span	Region (ft)	Vnz (lb)	Vcz (lb)	Vsz (lb)	Asz Reqd (in^2)	As Prvd (in^2)
1	.6 - 12	50609.564	0	50609.564	0	.098
	-	0	0	0	0	0
	-	0	0	0	0	0
	-	0	0	0	0	0

SOUTHERN PINE SPAN TABLES

Maximum spans given in feet and inches
Inside to inside of bearings

TABLE 2 FLOOR JOISTS – 40 PSF LIVE LOAD, 10 PSF DEAD LOAD, 360 DEFLECTION

ALL ROOMS EXCEPT SLEEPING ROOMS AND ATTIC FLOORS

Size (inches)	Spacing (inches on center)	Grade									
		Visually Graded				Machine Stress Rated (MSR)			Machine Evaluated Lumber (MEL)		
		SS	No.1	No.2	No.3	2400f - 2.0E	2250f - 1.9E	1950f - 1.7E	M23	M14	M29
2x6	12.0	11-2	10-11	10-9	9-4	11-7	11-4	10-11	11-2	10-11	10-11
	16.0	10-2	9-11	9-9	8-1	10-6	10-4	9-11	10-2	9-11	9-11
	19.2	9-6	9-4	9-2	7-4	9-10	9-8	9-4	9-6	9-4	9-4
	24.0	8-10	8-8	8-6	6-7	9-2	9-0	8-8	8-10	8-8	8-8
2x8	12.0	14-8	14-5	14-2	11-11	15-3	15-0	14-5	14-8	14-5	14-5
	16.0	13-4	13-1	12-10	10-3	13-10	13-7	13-1	13-4	13-1	13-1
	19.2	12-7	12-4	12-1	9-5	13-0	12-10	12-4	12-7	12-4	12-4
	24.0	11-8	11-5	11-0	8-5	12-1	11-11	11-5	11-8	11-5	11-5
2x10	12.0	18-9	18-5	18-0	14-0	19-5	19-1	18-5	18-9	18-5	18-5
	16.0	17-0	16-9	16-1	12-2	17-8	17-4	16-9	17-0	16-9	16-9
	19.2	16-0	15-9	14-8	11-1	16-7	16-4	15-9	16-0	15-9	15-9
	24.0	14-11	14-7	13-1	9-11	15-5	15-2	14-7	14-11	14-7	14-7
2x12	12.0	22-10	22-5	21-9	16-8	23-7	23-3	22-5	22-10	22-5	22-5
	16.0	20-9	20-4	18-10	14-6	21-6	21-1	20-4	20-9	20-4	20-4
	19.2	19-6	19-2	17-2	13-2	20-2	19-10	19-2	19-6	19-2	19-2
	24.0	18-1	17-5	15-5	11-10	18-9	18-5	17-9	18-1	17-9	17-9

These spans are intended for use in enclosed structures or where the moisture content in use does not exceed 19 percent for an extended period of time unless the table is labled Wet-Service. Applied loads are given in psf (pounds per square foot). Deflection is limited to the span in inches divided by 360, 240, or 180 and is based on live load only. The load duration factor, C_D, is 1.0 unless shown as 1.15 or 1.25. An asterisk (*) indicates the listed span has been limited to 26'0" based on availability; check sources of supply for lumber longer than 20'. Highlighted sizes/grades are NOT commonly produced.

Table 30 – No. 2 Southern Pine Lumber

Clear Opening	*	1-ply				2-ply				3-ply				4-ply			
		2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12
4'	TL	467	754	1036	1360	934	1508	2072	2721	1600	2569	3512	4577	2133	3426	4682	6102
	LL	467	754	1036	1360	934	1508	2072	2721	1600	2569	3512	4577	2133	3426	4682	6102
	BL	1.5	3.0	3.0	4.5	1.5	3.0	3.0	4.5	1.5	3.0	3.0	4.5	1.5	3.0	3.0	4.5
6'	TL	212	349	490	661	424	699	981	1322	730	1200	1680	2257	974	1600	2240	3009
	LL	212	349	490	661	424	699	981	1322	660	1200	1680	2257	879	1600	2240	3009
	BL	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0
8'	TL	120	199	281	382	239	397	562	764	413	684	966	1312	550	912	1288	1749
	LL	95	199	281	382	189	397	562	764	283	639	966	1312	377	852	1288	1749
	BL	1.5	1.5	1.5	3.0	1.5	1.5	1.5	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0
10'	TL	71	127	180	247	142	254	361	493	214	439	622	849	285	585	830	1132
	LL	49	111	180	247	98	221	361	493	146	331	622	849	195	442	830	1132
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	3.0
12'	TL	41	88	125	171	81	176	250	343	122	282	432	591	162	376	576	789
	LL	28	64	125	171	57	129	250	343	85	193	398	591	113	258	531	789
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
14'	TL	25	59	91	125	50	117	183	251	75	176	316	434	99	234	421	578
	LL	18	41	84	125	36	82	169	251	54	122	252	434	72	163	336	578
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16'	TL	16	39	69	95	32	77	139	191	48	116	240	330	64	154	320	441
	LL	12	27	57	95	24	55	113	191	36	82	170	304	48	110	226	405
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18'	TL	11	26	54	75	21	53	108	149	32	79	169	259	43	105	226	346
	LL	8	19	40	71	17	39	80	143	25	58	120	214	34	77	159	285
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

Table 31 – No. 3 Southern Pine Lumber

Clear Opening	*	1-ply				2-ply				3-ply				4-ply			
		2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12	2 x 6	2 x 8	2 x 10	2 x 12
4'	TL	285	454	622	857	570	908	1244	1715	980	1557	2125	2917	1306	2076	2834	3889
	LL	285	454	622	857	570	908	1244	1715	980	1557	2125	2917	1306	2076	2834	3889
	BL	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0	1.5	1.5	3.0	3.0
6'	TL	128	206	285	400	255	412	570	800	440	709	981	1373	587	946	1308	1830
	LL	128	206	285	400	255	412	570	800	440	709	981	1373	587	946	1308	1830
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	1.5	1.5	1.5	3.0
8'	TL	71	116	161	227	143	232	322	455	247	400	556	783	329	533	741	1045
	LL	71	116	161	227	143	232	322	455	247	400	556	783	329	533	741	1045
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
10'	TL	45	73	103	145	90	147	205	291	156	254	355	502	208	339	473	669
	LL	43	73	103	145	86	147	205	291	128	254	355	502	171	339	473	669
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
12'	TL	31	50	70	100	62	101	141	200	106	175	244	347	141	233	326	462
	LL	25	50	70	100	50	101	141	200	74	170	244	347	99	227	326	462
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
14'	TL	22	36	51	73	43	73	102	145	65	127	177	252	86	169	236	337
	LL	16	36	51	73	31	72	102	145	47	107	177	252	63	143	236	337
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
16'	TL	14	27	38	55	28	55	77	110	41	95	134	191	55	127	178	255
	LL	11	24	38	55	21	48	77	110	32	72	134	191	42	96	178	255
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
18'	TL	9	21	30	43	18	42	59	85	27	68	104	149	36	91	138	198
	LL	7	17	30	43	15	34	59	85	22	51	104	149	30	68	138	198
	BL	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(See *Requirements for Use* on page 23, and *Key*, *Example* and *Notes* on page 30)

ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1U0M215-Z0202113311

Truss Fabricator:	W.B. Howland
Job Identification:	6724F-/JANE BLAIS FLOOR /SUWANNEE RIVER LOG HOMES -- Columbia County, FL
Truss Count:	2
Model Code:	Florida Building Code 2007 and 2009 Supplement
Truss Criteria:	FBC2007Res/TPI-2002(STD)
Engineering Software:	Alpine Software,Version 9.02.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - N/A
	Floor - 55.0 PSF @ 1.00 Duration
	Wind - No Wind

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR215

Details: STRBRIBR-CNSY42PL-

#	Ref	Description	Drawing#	Date
1	35537--F1		10092001	04/02/10
2	35538--F2		10092002	04/02/10

Seal Date: 04/02/2010

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844

(6724F-/JANE BLAIS FLOOR /SUWANNEE RIVER LOG HOMES -- Columbia County, FL - F1)

Top chord 4x2 SP #2 N
Bot chord 4x2 SP #2 N
Webs 4x2 SP #2 N
:Lt Bearing Leg 4x2 SP #2 N::Rt Bearing Leg 4x2 SP #2 N:

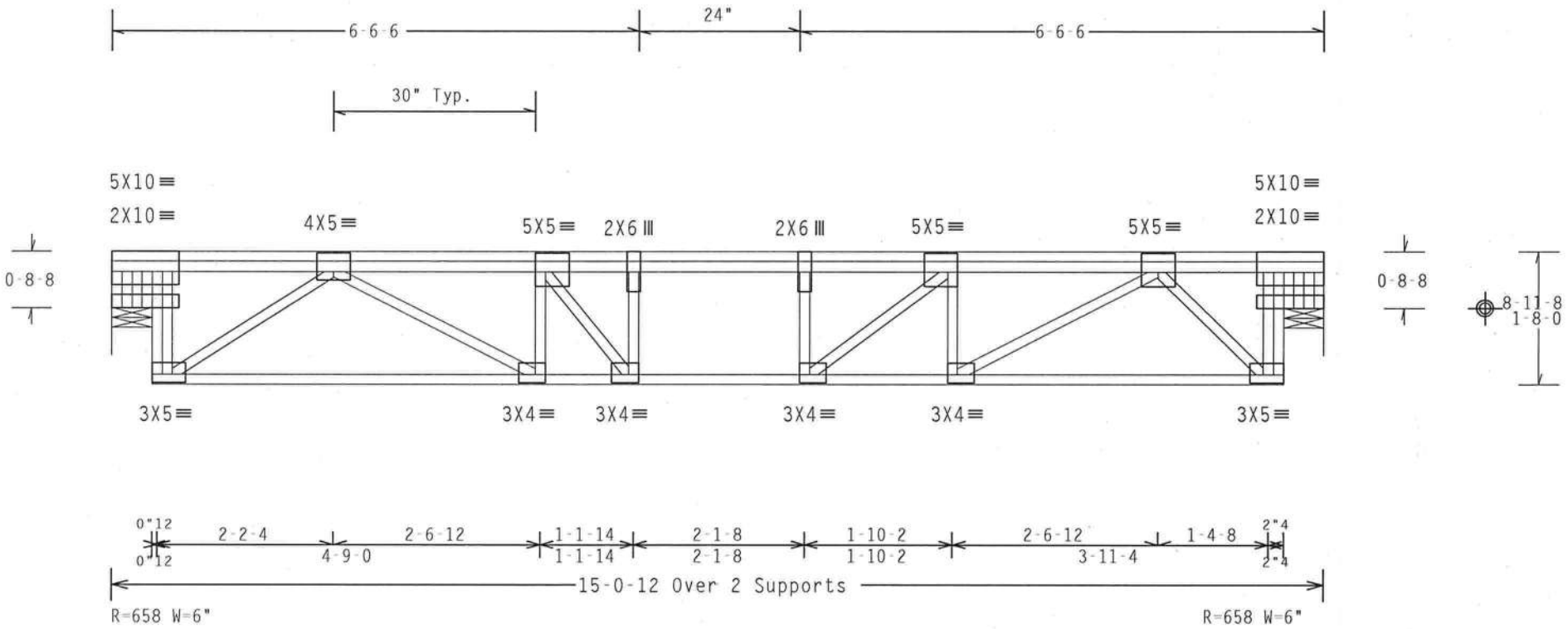
Truss must be installed as shown with top chord up.

See detail STRBRIBR0409 for bracing and bridging recommendations.

Trusses to be spaced at 19.2" OC maximum.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-8-0.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=12%(0%)/10(0) | 9.02.00.06 | QTY:60 FL/-/5/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 02 10

TC LL	40.0 PSF	REF	R215-- 35537
TC DL	10.0 PSF	DATE	04/02/10
BC DL	5.0 PSF	DRW	HCUSR215 10092001
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	55.0 PSF	SEQN-	257343
DUR.FAC.	1.00	FROM	CDM
SPACING	19.2"	JREF-	1U0M215_Z02

(6724F-/JANE BLAIS FLOOR /SUWANNEE RIVER LOG HOMES -- Columbia County, FL - F2)

Top chord 4x2 SP #2 N
Bot chord 4x2 SP #2 N
Webs 4x2 SP #2 N
:Lt Bearing Leg 4x2 SP #2 N::Rt Bearing Leg 4x2 SP #2 N:

Special loads
------(Lumber Dur.Fac.=1.00 / Plate Dur.Fac.=1.00)
TC From 230 plf at 0.00 to 230 plf at 15.06
BC From 8 plf at 0.50 to 8 plf at 14.56

Truss must be installed as shown with top chord up.

2 COMPLETE TRUSSES REQUIRED

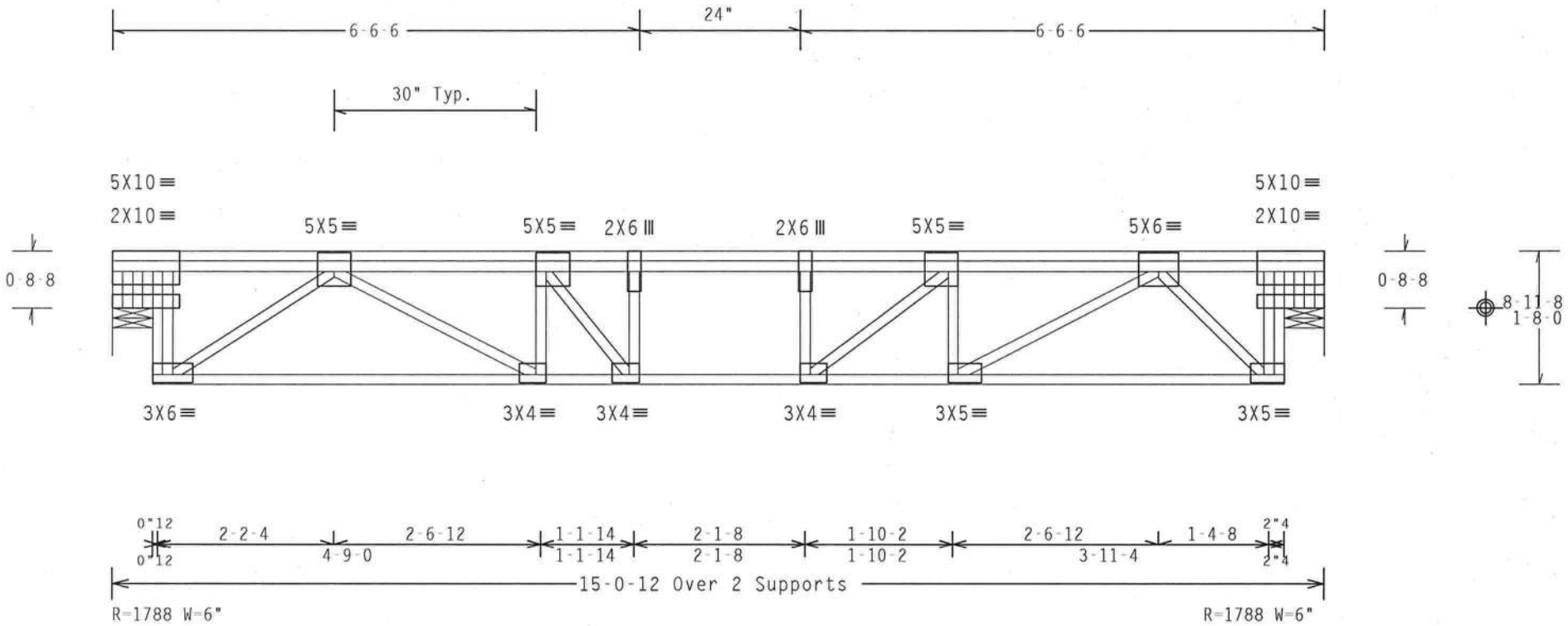
See DWG CNSY42PL0109 for connection details of 2 ply trusses.

See detail STRBRIBR0409 for bracing and bridging recommendations.

Trusses to be spaced at 19.2" OC maximum.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-8-0.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=12%(0%)/10(0) | 9.02.00 | QTY:4 | FL/-/5/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

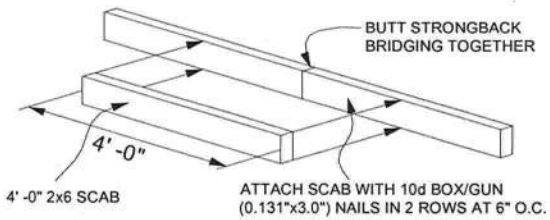
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 02 10

TC LL	40.0 PSF	REF	R215-- 35538
TC DL	10.0 PSF	DATE	04/02/10
BC DL	5.0 PSF	DRW	HCUSR215 10092002
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	55.0 PSF	SEQN-	257394
DUR.FAC.	1.00	FROM	CDM
SPACING	19.2"	JREF-	1UOM215_Z02

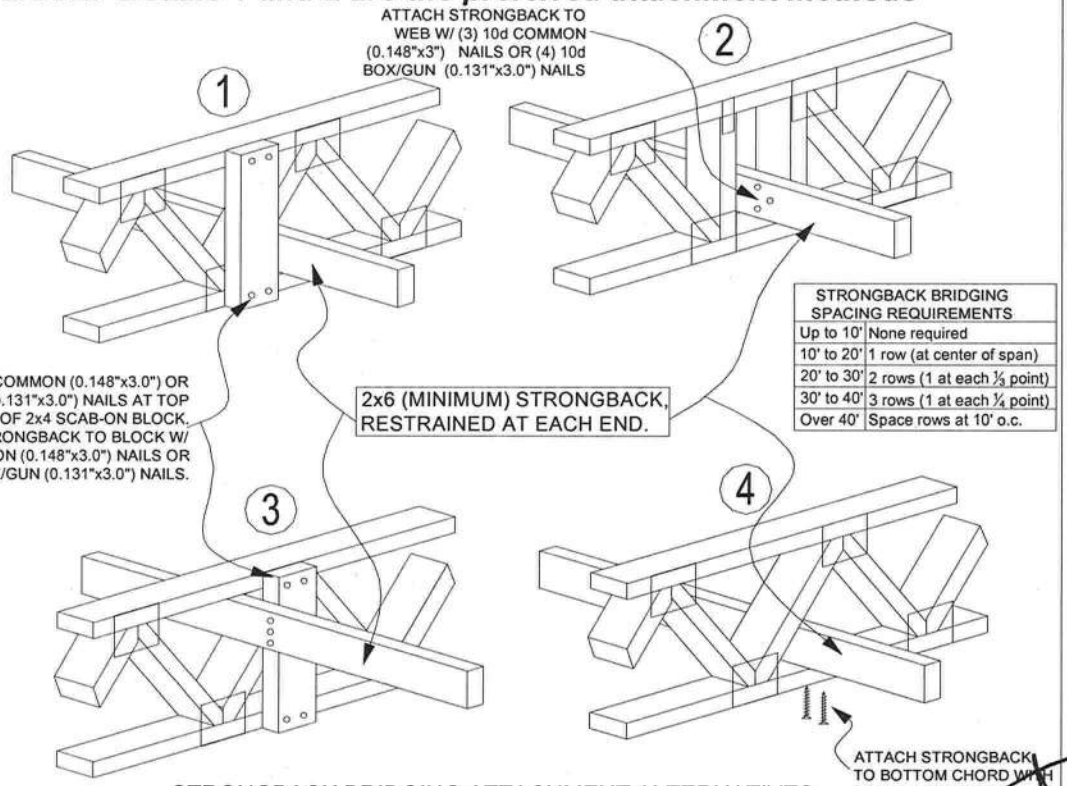
STRONGBACK BRIDGING AND BRACING REQUIREMENTS



NOTE: IN LIEU OF SPLICING AS SHOWN, LAP STRONGBACK BRIDGING MEMBERS FOR AT LEAST ONE TRUSS SPACING

STRONGBACK BRIDGING SPLICE DETAIL

NOTE: Details 1 and 2 are the preferred attachment methods



STRONGBACK BRIDGING SPACING REQUIREMENTS	
Up to 10'	None required
10' to 20'	1 row (at center of span)
20' to 30'	2 rows (1 at each ⅓ point)
30' to 40'	3 rows (1 at each ¼ point)
Over 40'	Space rows at 10' o.c.

STRONGBACK BRIDGING ATTACHMENT ALTERNATIVES

- All vertical scabs, bracing, and strongback bridging material to be grade marked same species and grade of webs.
- The purpose of strongback bridging is to develop load sharing between individual trusses, resulting in an overall increase in the stiffness of the floor system. 2x6 strongback bridging, positioned as shown in details, is required at 10' -0" o.c. (max.)
- The purpose of lateral bracing is to provide lateral stability of the member. 2x4 continuous lateral bracing is required at intervals not to exceed 10' -0" o.c. NOTE: when positioned at the upper side of the bottom chord, strongback bridging also satisfies the lateral bracing requirements for the bottom chord of the truss.

The terms "bridging" and "bracing" are sometimes mistakenly used interchangeably. "Bracing" is an important structural requirement of any floor or roof system. "Bridging," particularly "strongback bridging" is a requirement to a truss system to help control vibration. In addition to aiding in the distribution of point loads between adjacent truss, strongback bridging serves to reduce "bounce" or residual vibration resulting from moving point loads, such as footsteps.

The performance of all floor systems are enhanced by the installation of strongback bridging and therefore is strongly recommended by ITW Building Compents Group Inc.

For additional information regarding bracing, refer to BCSI (Building Component Safety Information).

ITW
Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANST/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 02 10

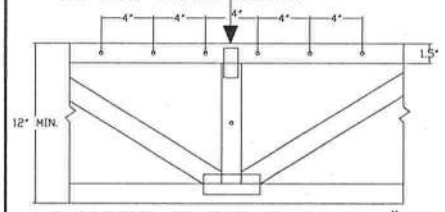
TC LL	PSF	REF STRONGBACK
TC DL	PSF	DATE 4/10/09
BC DL	PSF	DRWG STRBRIBR0409
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		

SYSTEM 42 PLY TO PLY CONNECTION DETAIL

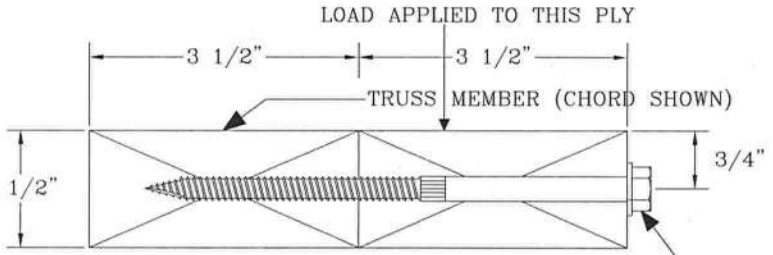
USING SIMPSON 1/4" x 6" STRONG DRIVE SCREWS OR EQUAL.

REFER TO ITWBCG SEALED DRAWING FOR INDIVIDUAL TRUSS DESIGN.

MAX. CONCENTRATED LOAD AS PER CHART BELOW



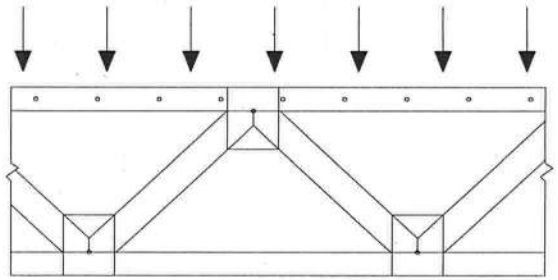
-6 SCREWS IN TOP CHORD @ 4"O.C.
-SCREWS IN VERTICAL WEB @ 4"O.C. AND 3" END DISTANCE



SCREW POSITION IN THE TRUSS

STRONG-DRIVE SCREW

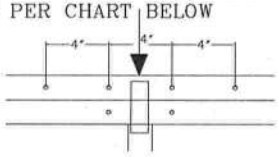
MAX. UNIFORM LOAD AS PER CHART BELOW



TOP CHORD SCREW SPACING PER CHART BELOW (FOR SINGLE TOP CHORD ONLY)

FOR DOUBLE TOP CHORDS
USE (4) SCREWS IN UPPER TOP CHORD
USE (2) SCREWS IN LOWER TOP CHORD

MAX. CONCENTRATED LOAD AS PER CHART BELOW



SCREWS CAN BE EQUALLY DIVIDED (ROUND UP TO THE NEAREST WHOLE NUMBER) INTO MULTIPLE VERTICALS. USE A MINIMUM OF (1) SCREW PER VERTICAL.

GENERAL NOTES:

1. SCREWS CENTERED ALONG THE 1.5" DIMENSION OF THE 4x2 MEMBER.
2. MINIMUM END DISTANCE OF 3"
3. SCREWS INSTALLED WITH HEAD IN LOADED MEMBER.
4. GAP BETWEEN PLIES NOT TO EXCEED 1/8".
5. HOLES NOT ALLOWED THRU A METAL CONNECTOR PLATE
6. SCREW LOCATION MAY BE ADJUSTED UP TO 1" TO AVOID CONFLICT WITH OTHER HARDWARE OR TO AVOID LUMBER DEFECTS.
7. DO NOT INSTALL SCREWS IN AREAS WHERE LUMBER WANE EXCEEDS 1/4"
8. CONCENTRATED LOADS TO BE APPLIED AT TRUSS PANEL POINT WITH VERTICAL WEB.
9. FLOOR SHEATHING IS ASSUMED TO BE SECURELY FASTENED TO EACH TRUSS TOP CHORD.
10. FOR 3x2 MEMBERS USE SIMPSON'S 1/4"x4.5" SDS SCREWS OR EQUAL.
11. CONTACT ITWBCG FOR SPECIAL CONNECTIONS NOT COVERED BY THIS DETAIL.

UNIFORM LOADS
FOR DOUBLE TOP CHORD THE TOP CHORD SCREW O.C. SPACING MAY BE DOUBLED. (BUT MAY NOT EXCEED 24" O.C. PER CHORD) SCREW SPACING SHALL BE OFFSET BY 1/2 THE O.C. SPACING IN EACH CHORD.

TRUSS DEPTH (INCH)	# OF SCREWS IN VERTICAL WEB	MAXIMUM CONCENTRATED LOAD (LBS)	
		DFL&SP	SPF
12	1	3360	2800
14	2	3840	3200
16	2	3840	3200
18	4	4320	3600
20	4	4320	3600
22	5	4800	4000
24	5	4800	4000

TOP CHORD SCREW O.C. SPACING (INCH)	MAXIMUM UNIFORM LOAD (PLF) ALONG TOP CHORD (1.00 DF)	
	DFL&SP	SPF
4	1440	1200
6	960	800
8	720	600
10	576	480
12	480	400
14	411	342
16	360	300
18	320	266
20	288	240
22	261	218
24	240	200

ITW
Building Components Group Inc.

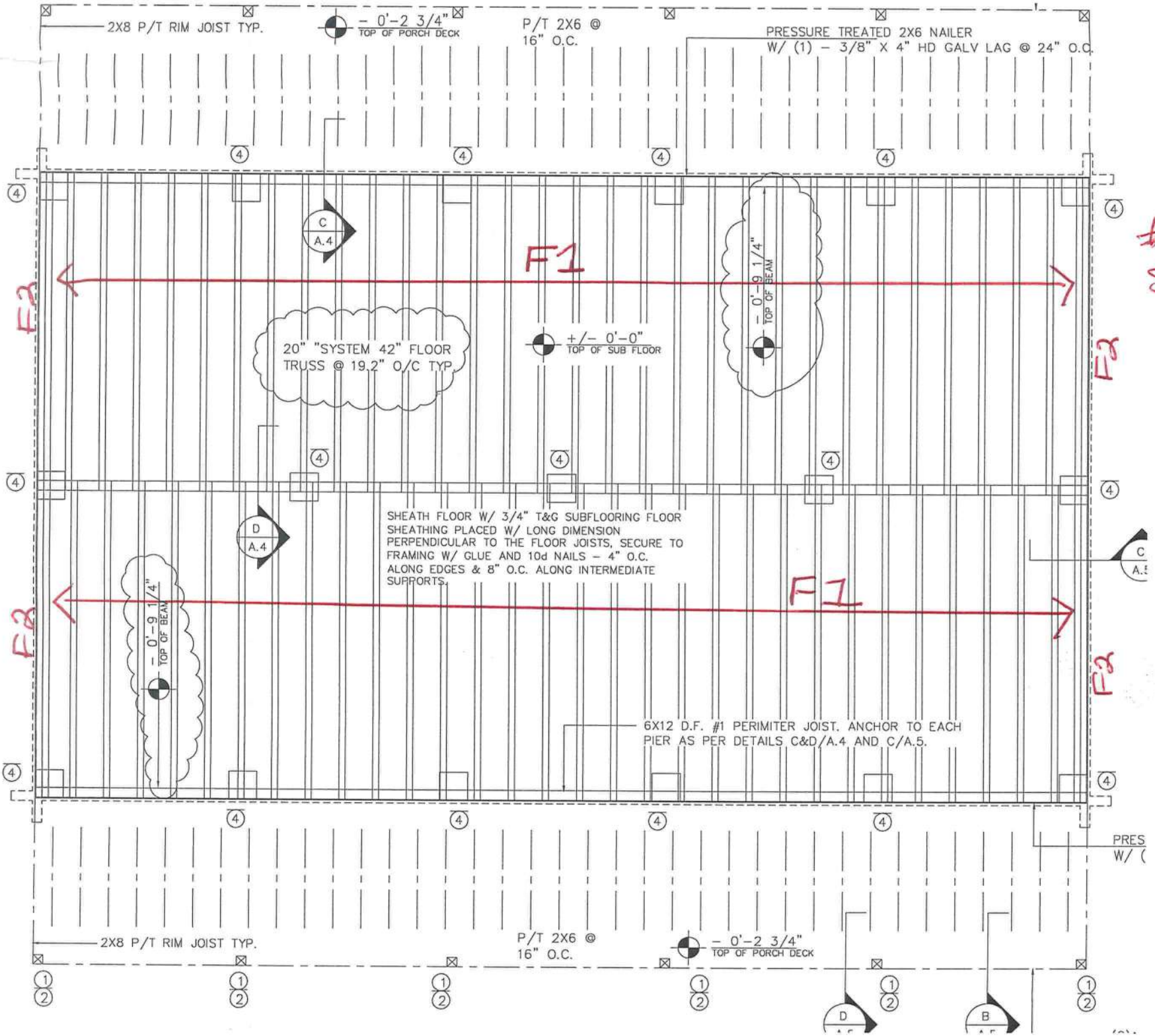
Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANST/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Apr 02 10

TC LL	PSF	REF SY42 CONNECTION
TC DL	PSF	DATE 1/1/09
BC DL	PSF	DRWG CNSY42PL0109
BC LL	PSF	
TOT. LD.	PSF	
DUR. FAC.	1.00	
SPACING		



#6724F
SRLH/BLAIS
19.2"oc

Noling Pest Control
Cory Noling, Owner
Phone (386)454-3888
(386) 935-2007
P.O. Box 949
High Springs, Florida 32655-0949

GRAPH AND SPECIFICATIONS

28390

BUYER'S NAME Jane Blair SELLER'S NAME _____ DATE 4-9-10

INSPECTION ADDRESS 441 NE River View Cr (293 SE River Bend Loop) CITY High Springs STATE Fla ZIP 32643

BUSINESS PHONE _____ HOME PHONE 454-7502 INSPECTED BY: Cory

Scale Used: _____ Well: ☐ Yes ☐ No How close to house? _____ ft. Additions? ☐ Yes ☐ No Access? _____

Additional specifications and comments: Graph not to Sq ft Premise Pro 150 gallons Shilts

Lineal Footage: Square Footage: 1500 Contract Price:

Type Foundation: ☐ Floating Slab ☐ Supported Slab ☐ Monolithic Slab ☐ Crawl ☐ Basement Type Construction: ☐ CBS ☐ Woodframe ☐ Brick

Type Infestation Key
T-Subterranean Termite Activity
D - Drywood Termite Activity
ST - Suspected Termite Activity
P - Powder Post Beetles
W - Wood Borers
M - Moisture Condition
F - Wood Decaying Fungi
X-Damage Present
. . . - Vertical Drill Location

Location Key

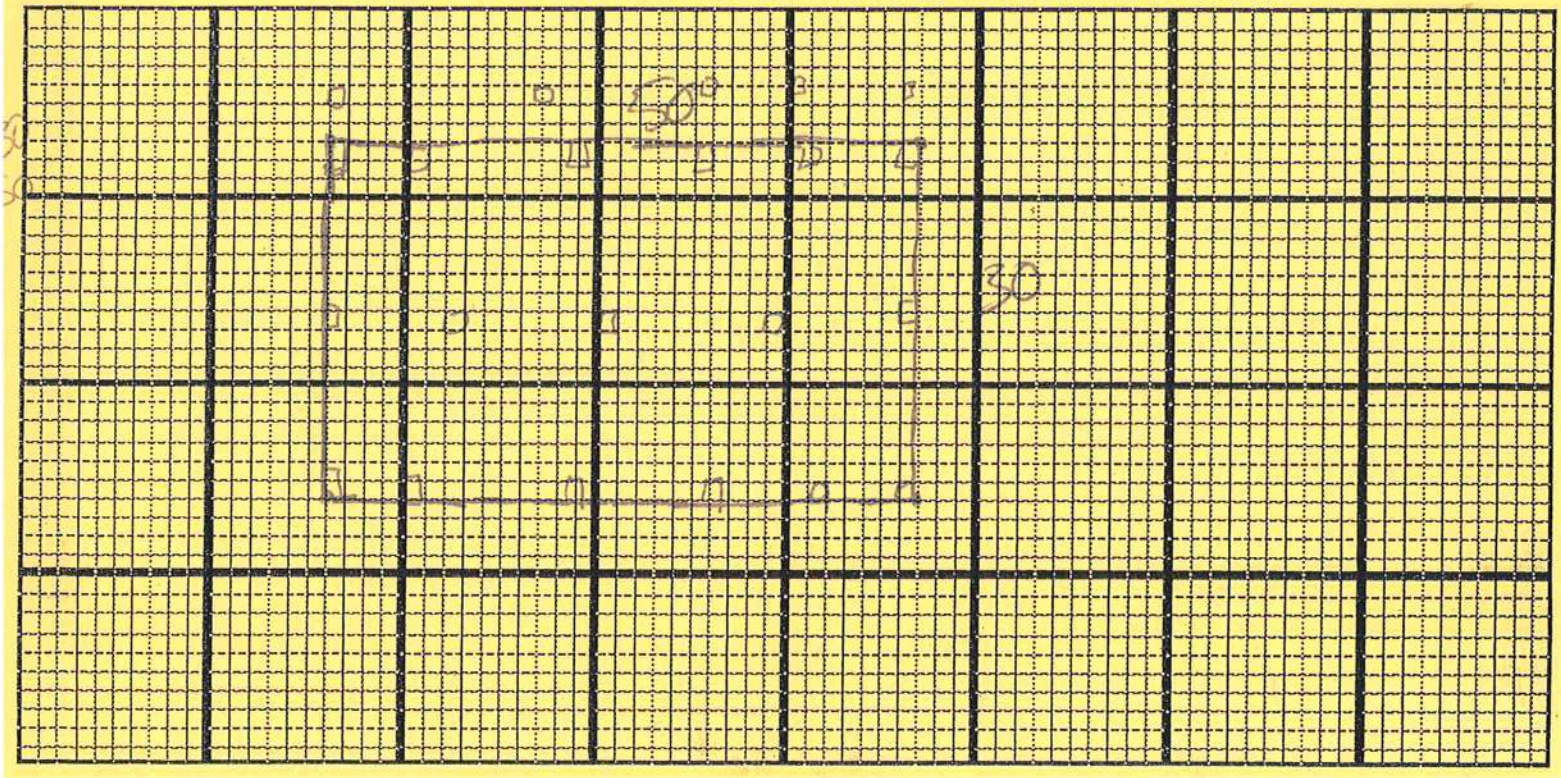
F - Front R - Right L - Left RE - Rear C-Center

Infested Area	Type	Location
☐ Sills / Joists		
☐ Sub Floor		
☐ Finished Floor		
☐ Walls, Studs, Plates		
☐ Interior Trim		
☐ Paneled Wall		
☐ Door/Window Frame		
☐ Furniture/Cabinets		
☐ Attic		
☐ Roof		

General Conditions

Stucco below grade? Yes ☐ No ☐
Are Termites swarming? Yes ☐ No ☐
Wood supports on ground? Yes ☐ No ☐
Proper clearance for treating? Yes ☐ No ☐
Make A3access opening? Yes ☐ No ☐
Electricity available? Yes ☐ No ☐
Bath trap opening? Yes ☐ No ☐
Shrubbery Light ☐ Heavy ☐
Type Floor Covering: _____
Other: _____

VISIBLE DAMAGE WHICH EXISTS AT THE TIME OF THE INSPECTION IS DESIGNATED BY AN "X"



CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 27-7S-17-10055-002 **Building permit No.** 000028390

Use Classification SFD,UTILITY **Fire:** 25.68

Permit Holder JANE BLAIS **Waste:** 67.00

Owner of Building JANE BLAIS **Total:** 92.68

Location: 184 SE RIVER BEND LOOP, FT. WHITE, FL 32038

Date: 06/03/2013

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)