

DATE 06/23/2006

# Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000024663

APPLICANT GEORGE RICHARDSON PHONE 386.752.3794  
 ADDRESS 294 NW BLUEBIRD GLEN WELLBORN FL 32094  
 OWNER GEORGE RICHARDSON PHONE 386.752.3794  
 ADDRESS 294 NW BLUEBIRD GLEN WELLBORN FL 32094  
 CONTRACTOR GEORGE RICHARDSON PHONE 386.752.3794

LOCATION OF PROPERTY LAKE JEFFERY ROAD TO C-135 (NOEGEL RD), TL 1 MILE ON THE L TO BLUEBIRD GLEN TO THE END.

TYPE DEVELOPMENT OPEN CARPORT ESTIMATED COST OF CONSTRUCTION 15000.00

HEATED FLOOR AREA \_\_\_\_\_ TOTAL AREA 1040.00 HEIGHT 15.00 STORIES 1

FOUNDATION CONC WALLS \_\_\_\_\_ ROOF PITCH 3'12 FLOOR CONC

LAND USE & ZONING A-3 MAX. HEIGHT 35

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

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

PARCEL ID 13-3S-15-00174-000 SUBDIVISION \_\_\_\_\_

LOT \_\_\_\_\_ BLOCK \_\_\_\_\_ PHASE \_\_\_\_\_ UNIT \_\_\_\_\_ TOTAL ACRES 214.00

Culvert Permit No. \_\_\_\_\_ Culvert Waiver \_\_\_\_\_ Contractor's License Number \_\_\_\_\_  
 EXISTING X-06-0208 BLK JTH N Applicant/Owner/Contractor George W. Richardson Jr  
 Driveway Connection \_\_\_\_\_ Septic Tank Number \_\_\_\_\_ LU & Zoning checked by \_\_\_\_\_ Approved for Issuance \_\_\_\_\_ New Resident \_\_\_\_\_

COMMENTS: NOC ON FILE. ACCESSORY USE.

Check # or Cash 190

## FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

Framing \_\_\_\_\_ Rough-in plumbing above slab and below wood floor \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Electrical rough-in \_\_\_\_\_ Heat & Air Duct \_\_\_\_\_ Peri. beam (Lintel) \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

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

M/H tie downs, blocking, electricity and plumbing \_\_\_\_\_ Pool \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

Reconnection \_\_\_\_\_ Pump pole \_\_\_\_\_ Utility Pole \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

M/H Pole \_\_\_\_\_ Travel Trailer \_\_\_\_\_ Re-roof \_\_\_\_\_  
date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_ date/app. by \_\_\_\_\_

BUILDING PERMIT FEE \$ 75.00 CERTIFICATION FEE \$ 5.20 SURCHARGE FEE \$ 5.20

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

FLOOD DEVELOPMENT FEE \$ \_\_\_\_\_ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ \_\_\_\_\_ **TOTAL FEE** 160.40

INSPECTORS OFFICE [Signature] CLERKS OFFICE [Signature]

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."**

### This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

Columbia County Building Permit Application

Revised 9-23-0

**For Office Use Only** Application # 0606-15 Date Received 6/15/06 By G Permit # 24663  
 Application Approved by - Zoning Official BLK Date 22.06.06 Plans Examiner OKJTH Date 6-20-06  
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
 Comments Accessory Use - CL#190 Existing well

Applicants Name GEORGE W. RICHARDSON JR Fax:  Phone 386 752-3794  
 Address 294 NW BLUE BIRD GLEN, WELLBORN, FL 32094  
 Owners Name SAME Phone   
 911 Address SEE ABOVE  
 Contractors Name SELF GEORGE W. RICHARDSON JR Phone 386 752 3794  
 Address 294 NW BLUE BIRD GLEN WELLBORN FL 32094  
 Fee Simple Owner Name & Address NA  
 Bonding Co. Name & Address NA  
 Architect/Engineer Name & Address GARY GILL PO BOX 187 LIVE OAK, FL 32064  
 Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
 Property ID Number 13-3515 00174 000HX Estimated Cost of Construction 15000.00  
 Subdivision Name NA Lot  Block  Unit  Phase   
 Driving Directions 1 mile south of CR 250 (LAKE JEFFERY ROAD) ON CR 135 (NOEGE TL, 1 mile on left, TL Bluebird Glenn, to end.

Type of Construction OPEN CAR PORT Number of Existing Dwellings on Property 1  
 Total Acreage 2.14 Lot Size  Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drn  
 Actual Distance of Structure from Property Lines - Front 1500 Side 2000 Side 2500 Rear 3000  
 Total Building Height 15' Number of Stories 1 Heated Floor Area  Roof Pitch 8/12  
total 1040

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.

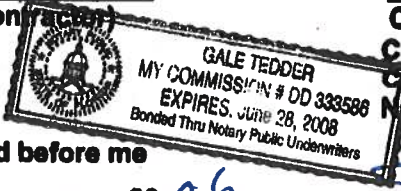
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

George W. Richardson Jr  
 Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
 COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me  
 this 5th day of June 2006.  
 Personally known  or Produced Identification DL



Contractor Signature  
 Contractors License Number   
 Competency Card Number   
 NOTARY STAMP/SEAL  
Gale Tedder  
 Notary Signature





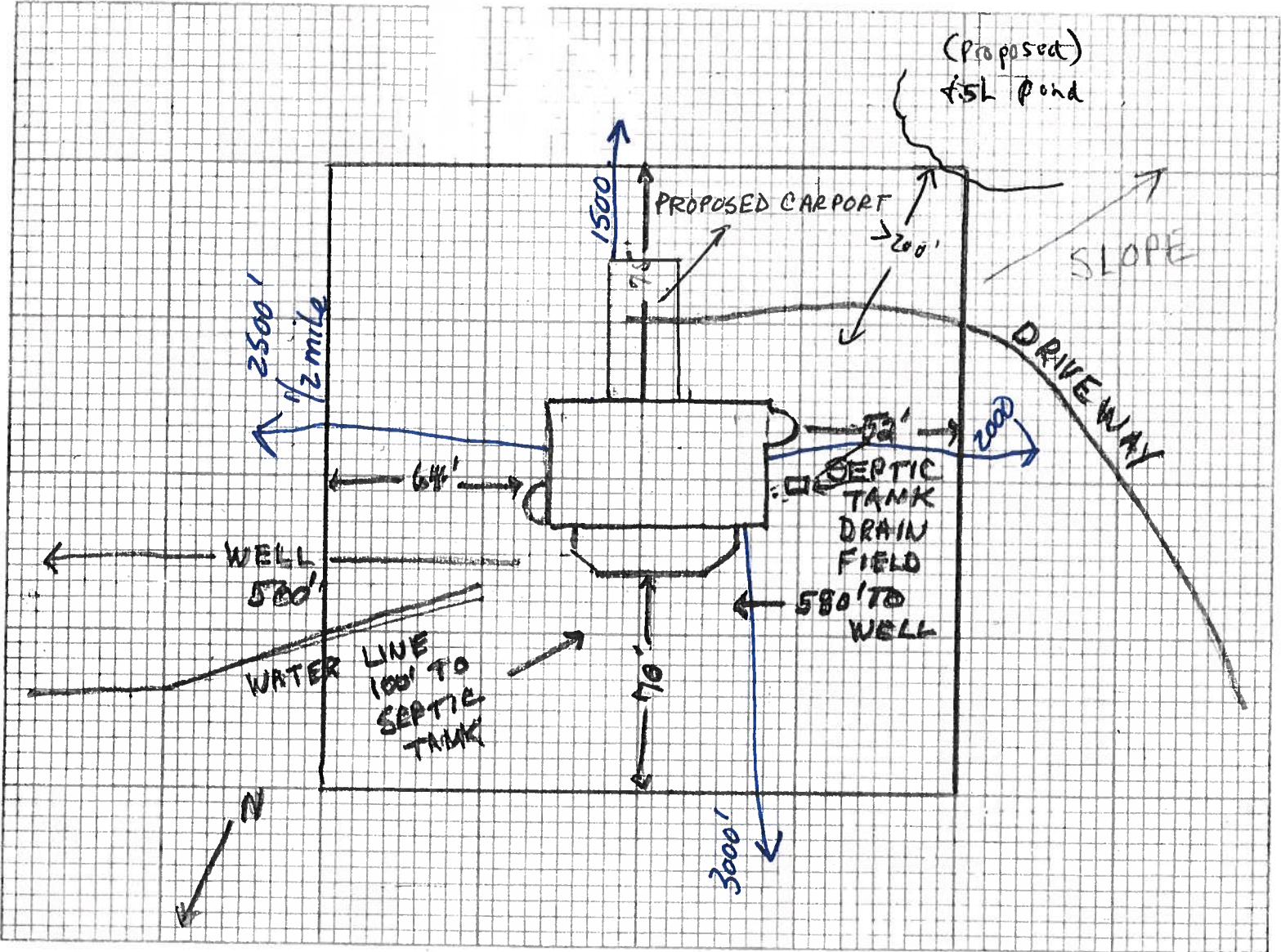
STATE OF FLORIDA  
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 02-0271N

PART II - SITE PLAN

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



Notes: \_\_\_\_\_

1 acre shown above

Site Plan submitted by: Jerry W. Richardson Jr  
Signature

Owner  
Title

Plan Approved X  
Not Approved \_\_\_\_\_

Date April 7, 2002

By Jh Aweeney \_\_\_\_\_  
Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

**DISCLOSURE STATEMENT**

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

**TYPE OF CONSTRUCTION**

- Single Family Dwelling
- Farm Outbuilding
- New Construction
- Two-Family Residence
- Other \_\_\_\_\_
- Addition, Alteration, Modification or other Improvement

**NEW CONSTRUCTION OR IMPROVEMENT**

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

George W. Richardson Jr. \_\_\_\_\_ June 5, 2006  
Signature Date

**FOR BUILDING USE ONLY**

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date \_\_\_\_\_ Building Official/Representative \_\_\_\_\_

# Columbia County Property Appraiser

DB Last Updated: 5/5/2006

## 2006 Proposed Values

Parcel: 13-3S-15-00174-000 HX

### Owner & Property Info

Search Result: 1 of 3 Next >>

<b>Owner's Name</b>	RICHARDSON GEORGE W JR
<b>Site Address</b>	BLUE BIRD
<b>Mailing Address</b>	294 NW BLUE BIRD GLN WELLBORN, FL 32094
<b>Description</b>	E1/2 OF NW1/4 LYING N OF ORANGE CREEK EX 6 AC IN NW COR & NE1/4 & SE1/4 AS LIES N OF RR, EX 104.80 AC ORB 367-148

<b>Use Desc. (code)</b>	IMPROVED A (005000)
<b>Neighborhood</b>	13315.00
<b>Tax District</b>	3
<b>UD Codes</b>	MKTA01
<b>Market Area</b>	01
<b>Total Land Area</b>	214.170 ACRES

### Property & Assessment Values

<b>Mkt Land Value</b>	cnt: (1)	\$7,800.00
<b>Ag Land Value</b>	cnt: (2)	\$28,847.00
<b>Building Value</b>	cnt: (2)	\$293,906.00
<b>XFOB Value</b>	cnt: (4)	\$9,105.00
<b>Total Appraised Value</b>		\$339,658.00

<b>Just Value</b>	\$1,142,174.00
<b>Class Value</b>	\$339,658.00
<b>Assessed Value</b>	\$295,732.00
<b>Exempt Value</b>	(code: HX) \$25,000.00
<b>Total Taxable Value</b>	\$270,732.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
NONE						

### Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	PREF M B A (008700)	1990	Mod Metal (25)	1470	4900	\$20,319.00
2	SINGLE FAM (000100)	2003	Above Avg. (10)	3860	5258	\$273,587.00
<b>Note:</b> All S.F. calculations are based on exterior building dimensions.						

### Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0030	BARN,MT	0	\$5,555.00	1500.000	30 x 50 x 0	PD (70.00)
0030	BARN,MT	0	\$1,000.00	1.000	0 x 0 x 0	(.00)
0120	CLFENCE 4	1993	\$400.00	1.000	0 x 0 x 0	(.00)
0180	FPLC 1STRY	2003	\$2,150.00	1.000	0 x 0 x 0	(.00)

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 AC	1.00/1.00/1.00/1.00	\$7,800.00	\$7,800.00
005600	TIMBER 3 (AG)	184.170 AC	1.00/1.00/1.00/1.00	\$139.00	\$25,599.00
005700	TIMBER 4 (AG)	29.000 AC	1.00/1.00/1.00/1.00	\$112.00	\$3,248.00
009910	MKT.VAL.AG (MKT)	213.170 AC	1.00/1.00/1.00/1.00	\$0.00	\$831,363.00

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

**\*\*\* THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. \*\*\***

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 13-35-15-00174-000 HX PERMIT NUMBER \_\_\_\_\_

1. Description of property: (legal description of the property and street address or 911 address)

E 1/2 OF NW 1/4 LYING N OF ORANGE CREEK EX 6 AC IN NW  
CDR + NE 1/4 + SE 1/4 AS LIES N OF R.R. EX 104.80 AC ORB  
367-148

2. General description of improvement: Asphalt

3. Owner Name & Address George W. Richardson Jr. 294 NW Blue Bird Glen  
Wellborn Florida 32094 Interest in Property owner

4. Name & Address of Fee Simple Owner (if other than owner): same

5. Contractor Name self/George W Richardson Jr Phone Number 386 752-3794  
Address \_\_\_\_\_

6. Surety Holders Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Amount of Bond \_\_\_\_\_

7. Lender Name NA Phone Number \_\_\_\_\_  
Address \_\_\_\_\_

8. Persons within the State of Florida designated by the (Inst: 2006013381 Date: 06/05/2006 Time: 09:51  
served as provided by section 718.13 (1)(a) 7; Florida Stat J.A. DC, P. DeWitt Cason, Columbia County B: 1005 P: 1010  
Name self  
Address \_\_\_\_\_

9. In addition to himself/herself the owner designates \_\_\_\_\_ of  
\_\_\_\_\_ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -  
(a) 7. Phone Number of the designee \_\_\_\_\_

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,  
(Unless a different date is specified) \_\_\_\_\_

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

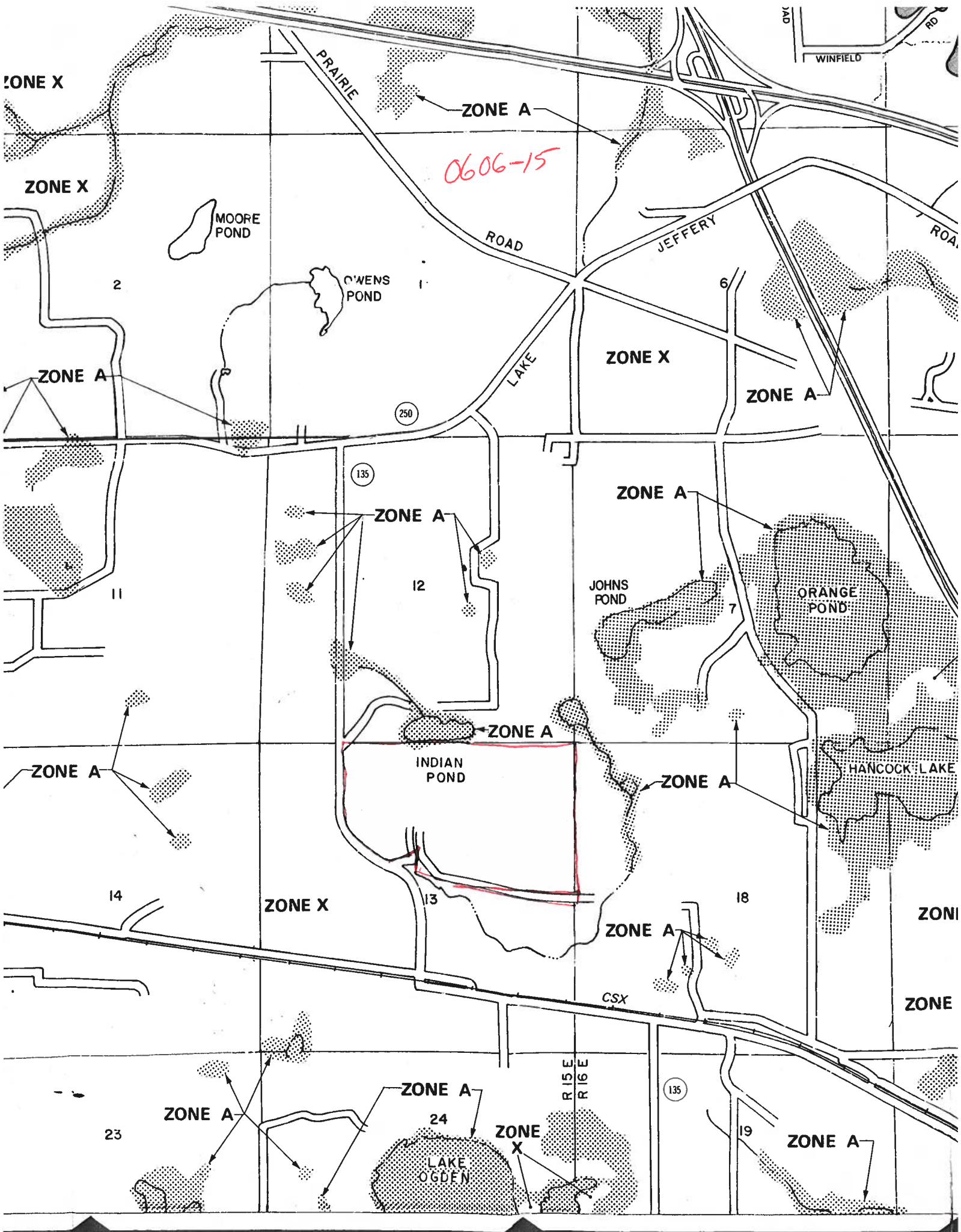
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

George W. Richardson Jr  
Signature of Owner

Sworn to (or affirmed) and subscribed before 5<sup>th</sup>  
day of June, 20 06



J.A. DC  
Signature of Notary



0606-15

ZONE X

ZONE X

ZONE A

MOORE POND

C'WENS POND

ZONE A

12

ZONE X

ZONE A

ZONE A

JOHN'S POND

ORANGE POND

ZONE A

INDIAN POND

ZONE A

ZONE A

HANCOCK LAKE

14

ZONE X

13

ZONE A

18

ZONE X

ZONE X

23

ZONE A

ZONE A

24

ZONE X

LAKE OGDEN

RISE RISE

135

19

ZONE A

PRAIRIE

ROAD

JEFFERY

LAKE

250

135

6

7

CSX

WINFIELD

ROAD

ROAD

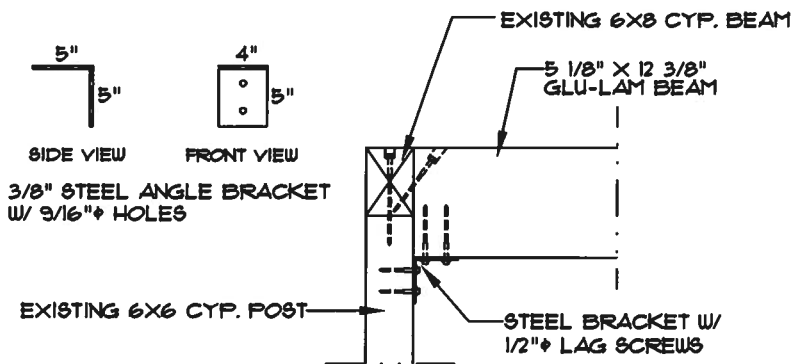


# SUWANNEE RIVER LOG HOMES, INC.

4345 HIGHWAY 90 WEST, WELLBORN, FL 32094  
PHONE 386-963-5647  
FAX 386-963-2809

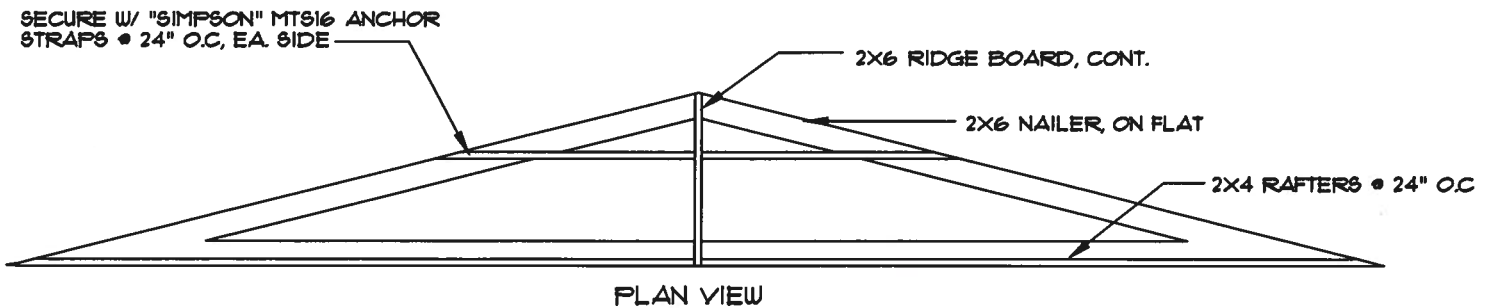
CUSTOMER NAME: MR. & MRS. RICHARDSON

ADDRESS: COLUMBIA COUNTY, FLORIDA



## Angle Bracket DETAILS

SCALE: N.T.S.



## Valley DETAIL

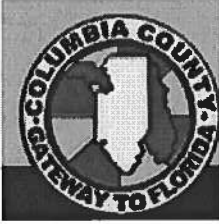
SCALE: N.T.S.



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

STRUCTURAL/CIVIL ENGINEERS

*Handwritten signature and date:*  
6/14/00



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

Reference to a building permit application Number: **0606-15**  
Owner/Builder: George Richardson 249 NW Bluebird Glen.

On the date of June 14, 2006 application 0606-15 and plans for construction of an attached carport onto a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0606-15 when making reference to this application.**

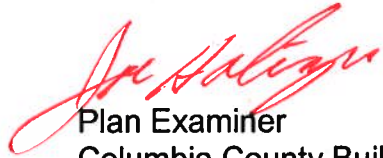
***This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.***

**To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.**

1. Please have the windload engineer show a detail plan of the method to be used to attach the 5 1/8" X 12 3/8" Glu-lam support beam to the existing dwelling exterior porch supports. Also include a framing detail which will

show the method of attachment of the truss system to the existing porch  
roofing decking.

Joe Haltiwanger



Plan Examiner  
Columbia County Building Department

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



Phone Number 386-758-1163  
Fax Number 386-754-7088

#### FAX TRANSMITTAL FORM

---

To:  
Name: Kiriston  
CC: Building permit application **0606-15**  
Phone: 386-963-5647  
cover page  
Fax: 386- 963- 2808

From:  
Date Sent: 06/14/06

Number of Pages: *Three* counting the

---

**Message:** Reference to a building permit application Number: **0606-15**  
**Owner/Builder George Richardson Carport addition.**

**The review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.**



## **WIND LOAD CALCULATIONS**

**For**

**George and Carol Richardson**

*Gary Gill*  
6/1/06

**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**

**Project name:** Mr. and Mrs. Richardson  
**Project:** 0  
**Client:** SRLH  
**Calculations:** Gary Gill, PE  
**Date:** 5/29/2006

## Design Basis

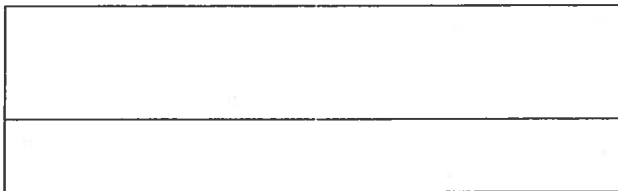
### Design Loads

Wind Load	110	
Floor Live Load		
Sleep Areas =		30 psf
All Others =		40 psf
Floor Dead Load		10 psf
Wall Dead Load		10 psf
Roof Live Load		20 psf
Roof Dead Load		10 psf

### Load Combinations

DL + LL(floor) + LL (roof)  
DL + LL(floor) + WL  
DL + WL  
Wind load

Exposure B



### Building Information

Shape	Rectangle
Length	40 ft
Width	26 ft
Type	Carport

### References

2001 Florida Building Code  
ASCE 7-98 Minimum Design Loads for Buildings and Other Structures  
AITC Timber Construction Manual



**WIND98 v3-02**

Wind Load Design per ASCE 7-98

**6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)**

Elev ft	Kz	Kzt	qz lb/ft <sup>2</sup>	Pressure (lb/ft <sup>2</sup> ) Windward Wall*	
				+GCpi	-GCpi
17	0.60	1.00	15.68	10.66	10.66
15	0.57	1.00	15.13	10.29	10.29

**Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi**

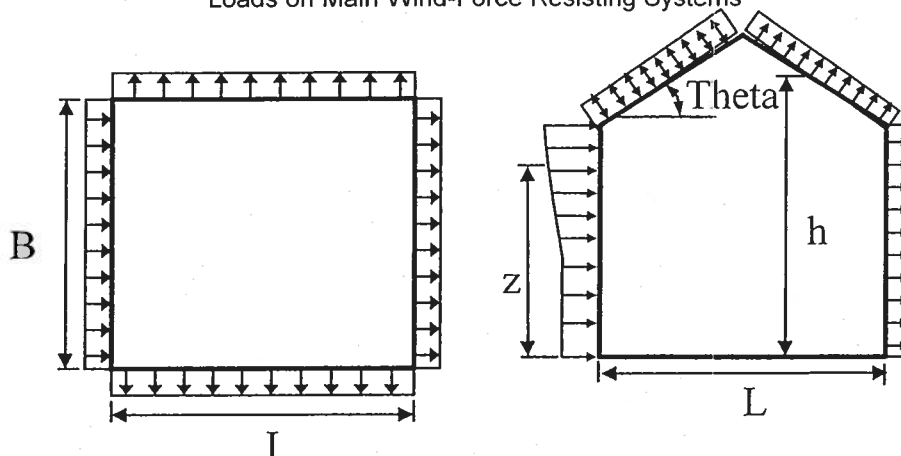
Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
<b>Open Buildings</b>	<b>0.00</b>	<b>0.00</b>

**WIND98 v3-02**

Wind Load Design per ASCE 7-98

**Figure 6-3 - External Pressure Coefficients,  $C_p$** 

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
$K_h$	$2.01 \cdot (15/z_g)^{(2/\alpha)}$	0.57	
$K_{ht}$	Topographic factor (Fig 6-2)	1.00	
$Q_h$	$.00256 \cdot (V)^2 \cdot I \cdot K_h \cdot K_{ht} \cdot K_d$	15.13	psf
$K_{hcc}$	Comp & Clad: Table 6-5 Case 2	0.70	
$Q_{hcc}$	$.00256 \cdot V^2 \cdot I \cdot K_{hcc} \cdot K_{ht} \cdot K_d$	18.45	psf

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

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

Calculations for Wind Normal to 26 ft Face	$C_p$	Pressure (psf)	
<i>Additional Runs may be req'd for other wind directions</i>		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 26 ft wall)	-0.39	-5.05	-5.05
Side Walls	-0.70	-9.00	-9.00
Roof - Wind Normal to Ridge ( $\theta \geq 10$ ) - for Wind Normal to 26 ft face			
Windward - Max Negative	-0.63	-8.08	-8.08
Leeward Normal to Ridge	-0.48	-6.16	-6.16
Overhang Top (Windward)	-0.63	-8.08	-8.08
Overhang Top (Leeward)	-0.48	-6.16	-6.16
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All $\theta$ ) - for Wind Normal to 26 ft face			
Dist from Windward Edge: 0 ft to 7.25 ft	-0.90	-11.58	-11.58
Dist from Windward Edge: 7.25 ft to 14.5 ft	-0.90	-11.58	-11.58
Dist from Windward Edge: 14.5 ft to 29 ft	-0.50	-6.43	-6.43
Dist from Windward Edge: > 29 ft	-0.30	-3.86	-3.86

\* Horizontal distance from windward edge

**WIND98 v3-02**

Wind Load Design per ASCE 7-98

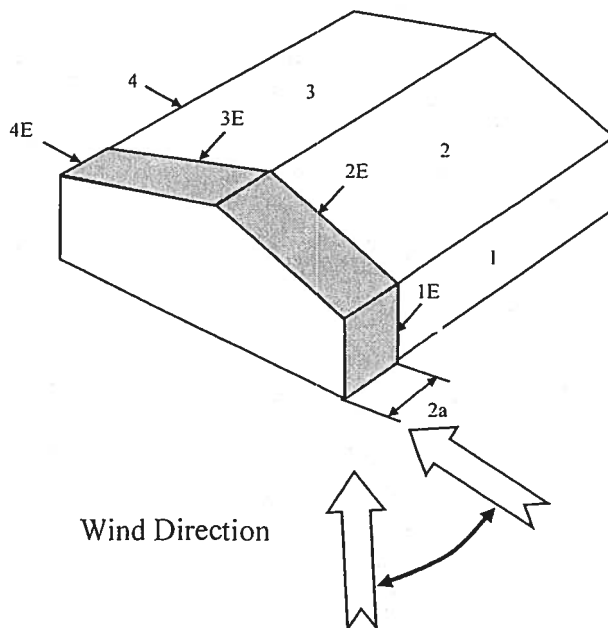
**Figure 6-4 - External Pressure Coefficients, GCpf**

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

$$\begin{aligned}
 K_h &= 2.01 \cdot (15/z_g)^{2/\alpha} &= & 0.57 \\
 K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\
 Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 15.13
 \end{aligned}$$

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.48	0	0	15.13	7.24	7.24
2	-0.69	0	0	15.13	-10.44	-10.44
3	-0.44	0	0	15.13	-6.60	-6.60
4	-0.37	0	0	15.13	-5.67	-5.67
5	0.00	0	0	15.13	0.00	0.00
6	0.00	0	0	15.13	0.00	0.00
1E	0.72	0	0	15.13	10.96	10.96
2E	-1.07	0	0	15.13	-16.19	-16.19
3E	-0.63	0	0	15.13	-9.48	-9.48
4E	-0.56	0	0	15.13	-8.42	-8.42
5E	0.00	0	0	15.13	0.00	0.00
6E	0.00	0	0	15.13	0.00	0.00

$$* p = q_h * (GC_{pf} - GC_{pi})$$



## WIND98 v3-02

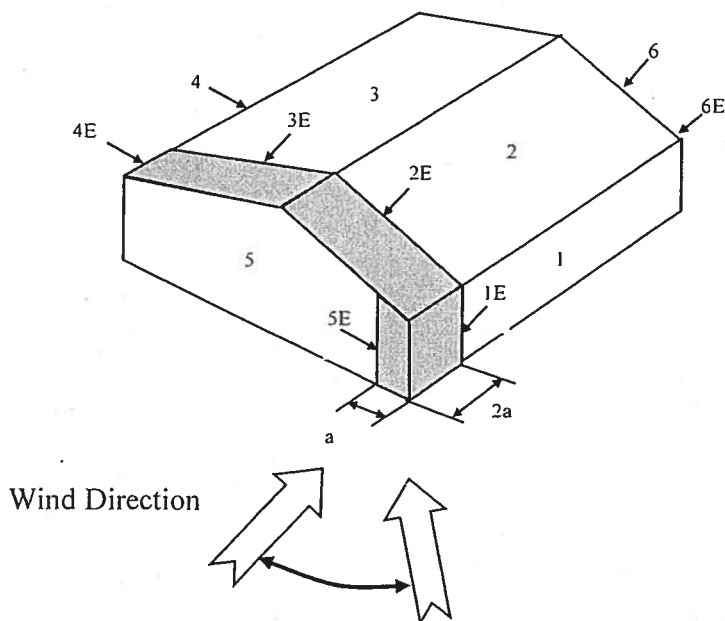
Wind Load Design per ASCE 7-98

**Figure 6-4 - External Pressure Coefficients, GCpf**  
 Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(15/zg)^(2/Alpha)	=	0.57
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	15.13

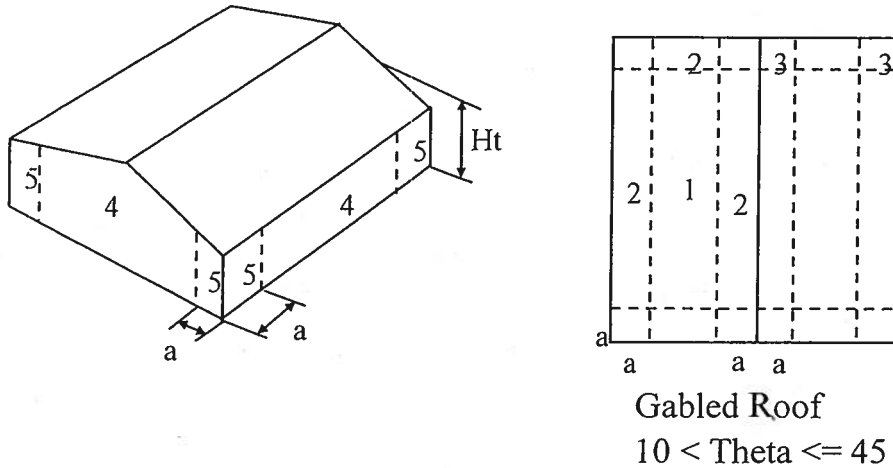
Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0	0	15.13	-6.81	-6.81
2	-0.69	0	0	15.13	-10.44	-10.44
3	-0.37	0	0	15.13	-5.60	-5.60
4	-0.45	0	0	15.13	-6.81	-6.81
5	0.40	0	0	15.13	6.05	6.05
6	-0.29	0	0	15.13	-4.39	-4.39
1E	-0.48	0	0	15.13	-7.26	-7.26
2E	-1.07	0	0	15.13	-16.19	-16.19
3E	-0.53	0	0	15.13	-8.02	-8.02
4E	-0.48	0	0	15.13	-7.26	-7.26
5E	0.61	0	0	15.13	9.23	9.23
6E	-0.43	0	0	15.13	-6.51	-6.51

\* p = qh \* (GCpf - GCpi)



**WIND98 v3-02**  
Wind Load Design per ASCE 7-98

**Figure 6-5 - External Pressure Coefficients, GCp**  
Loads on Components and Cladding for Buildings w/ Ht <= 60 ft



a = 2.6 ==> 3.00 ft

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	10.00	-16.60
ROOF EDGE	10	1	10.00	2	0.50	-2.10	10.00	-38.74
WALL	10	1	10.00	4	1.00	-1.10	18.45	-20.29
WALL EDGE	10	1	10.00	5	1.00	-1.40	18.45	-25.82
ROOF EDGE	10	1	10.00	2H	0.50	-2.20	10.00	-40.58
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					

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



**BEAMS**

Element	Description	Tributary Width (ft)	Dead Load (psf)	Live Load (psf)
Beam 1	5-1/8" x 12-3/8" GluLam (supprting roof)	6.5	10	20

**PERFORATED SHEARWALLS ( WOOD FRAMED WALLS)**

1st Floor Height		Shearwall information	truss span	ft
2nd Floor height		Perpendicular		
Surface1	psf		Shearwall length 1	ft
Surface2	psf		Shearwall length 2	ft
Surface3	psf		sheath length1	
Surface4	psf		sheath length2	
Surface5	psf			
Surface6	psf			
Roof Area 1	sf	Parallel		
Roof Area 2	sf		shearwall length a	
wall area 1	sf		Shearwall length b	
wall area 2	sf		sheath lengtha	
found area 1			sheath lengthb	
found area 2				
Roof Area a				
Roof Area b				
wall area a				
wall area b				
found area a				
found area b				

**DIAPHRAGMS**

East / West Walls	Shear on walls	lb
North / South Walls	Shear on walls	lb



Project name: Mr. and Mrs. Richardson  
 Project number:  
 Date: 5/29/2006  
 Client: SRLH  
 Calc's by: GG

**RAFTER LOADS**

Element	Spacing (ft)	Length (ft)	Pitch (:12)	Loads							
				Dead (psf)	Live (psf)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
Rafter 1	8	13	3	10	20	82.46	160.00	242.46	-16.19	-125.65	-76.18

**RIDGE BEAMS**

Element	Tributary Width (ft)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
					-16.19		

Load factor based on slope  
 pitch (x/12) 12 \*\*\*pitch of 12 used as conservative  
 Load factor: 1.41

**WALL LOADS**

Dead (psf)	Wall Height (ft)	w dead "D" (plf)
10	8	80

\*\*\*only used if wall is load bearing

**FLOOR JOIST**

Element	Spacing	Dead (psf)	Live (psf)	w dead "D" (plf)	w live "L" (plf)	D+L (plf)

**GIRDERS**

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)

**BEAMS**

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)
Beam 1	6.5	10	20	65.00	130.00

\*\*\* Wall load added to Beam 1

Scope :

**Timber Beam & Joist**

**Description Special Beams**

**Timber Member Information**

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Beam 1
Timber Section		Anthony 5
Beam Width	in	5.125
Beam Depth	in	12.375
Le: Unbraced Length	ft	0.00
Timber Grade		thony 24F, Anthony thony 24F, Anthonythony 24F, Anthonythony 24F, Anthony
Fb - Basic Allow	psi	2,400.0
Fv - Basic Allow	psi	270.0
Elastic Modulus	ksi	1,800.0
Load Duration Factor		1.000
Member Type		Manuf/Pine
Repetitive Status		No

**Center Span Data**

Span	ft	15.70
Dead Load	#/ft	65.00
Live Load	#/ft	130.00

**Results**

Ratio = 0.2297

Mmax @ Center	in-k	72.10
@ X =	ft	7.85
fb : Actual	psi	551.2
Fb : Allowable	psi	2,400.0
		Bending OK
fv : Actual	psi	31.6
Fv : Allowable	psi	270.0
		Shear OK

**Reactions**

@ Left End	DL	lbs	510.25
	LL	lbs	1,020.50
	Max. DL+LL	lbs	1,530.75
@ Right End	DL	lbs	510.25
	LL	lbs	1,020.50
	Max. DL+LL	lbs	1,530.75

**Deflections**

Ratio OK

Center DL Defl	in	-0.061
L/Defl Ratio		3,089.0
Center LL Defl	in	-0.122
L/Defl Ratio		1,544.5
Center Total Defl	in	-0.183
Location	ft	7.850
L/Defl Ratio		1,029.7

**Description Rafters**

**Timber Member Information**

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		
Beam Width	in	
Beam Depth	in	
Le: Unbraced Length	ft	
Timber Grade		Bald Cypress, No.2 Bald Cypress, No.2 Douglas Fir - Larch, Bald Cypress, No.2
Fb - Basic Allow	psi	
Fv - Basic Allow	psi	
Elastic Modulus	ksi	
Load Duration Factor		
Member Type		
Repetitive Status		

**Center Span Data**

Span	ft
Dead Load	#/ft
Live Load	#/ft

**Results**

Ratio =

Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

**Reactions**

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

**Deflections**

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	

Scope :

### Timber Beam & Joist

Description Ridge beam

#### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section	
Beam Width	in
Beam Depth	in
Le: Unbraced Length	ft
Timber Grade	lthony 24F, Anthony lthony 24F, Anthony Douglas Fir - Larch,
Fb - Basic Allow	psi
Fv - Basic Allow	psi
Elastic Modulus	ksi
Load Duration Factor	
Member Type	
Repetitive Status	

#### Center Span Data

Span	ft
Dead Load	#/ft
Live Load	#/ft

#### Results

Ratio =

Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

#### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

#### Deflections

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	

**Description**      Rafters-uplift

**Timber Member Information**

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		<b>Rafter 1</b>
<b>Timber Section</b>		4x10
Beam Width	in	3.500
Beam Depth	in	9.500
Le: Unbraced Length	ft	0.00
<b>Timber Grade</b>		Bald Cypress, No.2 Bald Cypress, No. 1 Douglas Fir - Larch, Southern Pine, No.2 Douglas Fir - Larch,
Fb - Basic Allow	psi	1,250.0
Fv - Basic Allow	psi	115.0
Elastic Modulus	ksi	1,300.0
Load Duration Factor		1.000
Member Type		Sawn
Repetitive Status		Repetitive

**Center Span Data**

Span	ft	13.00
Dead Load	#/ft	
Live Load	#/ft	-76.20

**Results**

Ratio = 0.1710

Mmax @ Center	in-k	0.00
@ X =	ft	0.00
fb : Actual	psi	0.0
Fb : Allowable	psi	1,725.0
		Bending OK
fv : Actual	psi	19.7
Fv : Allowable	psi	115.0
		Shear OK

**Reactions**

@ Left End	DL	lbs	0.00
	LL	lbs	-495.30
	Max. DL+LL	lbs	-495.30
@ Right End	DL	lbs	0.00
	LL	lbs	-495.30
	Max. DL+LL	lbs	-495.30

**Deflections**

Ratio OK

Center DL Defl	in	0.000
L/Defl Ratio		0.0
Center LL Defl	in	0.151
L/Defl Ratio		1,035.7
Center Total Defl	in	0.151
Location	ft	6.500
L/Defl Ratio		1,035.7

Scope :

## Timber Beam & Joist

Description floor joists

### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section			
Beam Width	in		
Beam Depth	in		
Le: Unbraced Length	ft		
Timber Grade		southern Pine, No.2 ;outhern Pine, No.2Southern Pine, No.2 Southern Pine, No.2	Douglas Fir - Larch,
Fb - Basic Allow	psi		
Fv - Basic Allow	psi		
Elastic Modulus	ksi		
Load Duration Factor			
Member Type			
Repetitive Status			

### Center Span Data

Span	ft
Dead Load	#/ft
Live Load	#/ft

### Results

Ratio =

Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

### Deflections

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	

Scope :

### Timber Beam & Joist

Description Floor girders

#### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		
Beam Width	in	
Beam Depth	in	
Le: Unbraced Length	ft	
Timber Grade		southern Pine, No.2 Douglas Fir - Larch, Southern Pine, No.2 Anthony 24F, Anthony Southern Pine, No.2
Fb - Basic Allow	psi	
Fv - Basic Allow	psi	
Elastic Modulus	ksi	
Load Duration Factor		
Member Type		
Repetitive Status		

#### Center Span Data

Span	ft	
Dead Load	#/ft	
Live Load	#/ft	

#### Results Ratio =

Mmax @ Center	in-k	
@ X =	ft	
fb : Actual	psi	
Fb : Allowable	psi	
fv : Actual	psi	
Fv : Allowable	psi	

#### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

#### Deflections

Center DL Defl	in	
L/Defl Ratio		
Center LL Defl	in	
L/Defl Ratio		
Center Total Defl	in	
Location	ft	
L/Defl Ratio		

Columbia County Building Permit Application

Revised 9-23-0

For Office Use Only Application # 0606-15 Date Received 6/15/06 By G Permit # 24663
Application Approved by - Zoning Official BLK Date 22.06.06 Plans Examiner BKJTH Date 6-20-06
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
Comments Accessory Use - CH#190 Existing well

Applicants Name GEORGE W. RICHARDSON JR Fax: Phone 386 752-3794
Address 294 NW BLUE BIRD GLEN, WELLBORN, FL 32094
Owners Name SAME Phone
911 Address SEE ABOVE
Contractors Name SELF GEORGE W RICHARDSON JR Phone 386 752 3794
Address 294 NW BLUE BIRD GLEN WELLBORN FL 32094
Fee Simple Owner Name & Address NA
Bonding Co. Name & Address NA
Architect/Engineer Name & Address GARY GILL PO BOX 187 LINE OAK, FL 32064
Mortgage Lenders Name & Address NA

Circle the correct power company - FL Power & Light Clay Elec. - Suwannee Valley Elec. - Progressive Energy
Property ID Number 13-3515 0074 000HX Estimated Cost of Construction 15000.00
Subdivision Name NA Lot Block Unit Phase
Driving Directions 1 mile south of CR 250 (LAKE JEFFERY ROAD) ON CR 135 (NOEGE TL, 1 mile on left, TL Bluebird Glenn, to end.

Type of Construction OPEN CAR PORT Number of Existing Dwellings on Property 1
Total Acreage 2.14 Lot Size Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drb
Actual Distance of Structure from Property Lines - Front 1500 Side 2000 Side 2500 Rear 3000
Total Building Height 15' Number of Stories 1 Heated Floor Area Total 1040 Roof Pitch 8/12

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

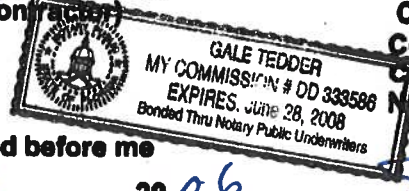
OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

George W. Richardson Jr
Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

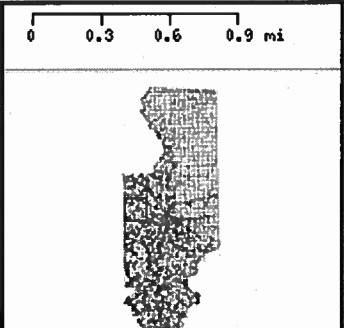
Sworn to (or affirmed) and subscribed before me
this 5th day of June 20 06.
Personally known or Produced Identification DL



Contractor Signature
Contractors License Number
Competency Card Number
NOTARY STAMP/SEAL
Notary Signature



<b>Columbia County Property Appraiser</b>		
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083		
<b>PARCEL: 13-3S-15-00174-000 HX - IMPROVED A (005000)</b>		
Name: RICHARDSON GEORGE W JR	LandVal	\$7,800.00
Site: BLUE BIRD	BldgVal	\$293,906.00
Mail: 294 NW BLUE BIRD GLN	ApprVal	\$339,658.00
WELLBORN, FL 32094	JustVal	\$1,142,174.00
Sales	Assd	\$295,732.00
Info	Exmpt	\$25,000.00
	Taxable	\$270,732.00



This information, GIS Map Updated: 5/5/2006, 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.



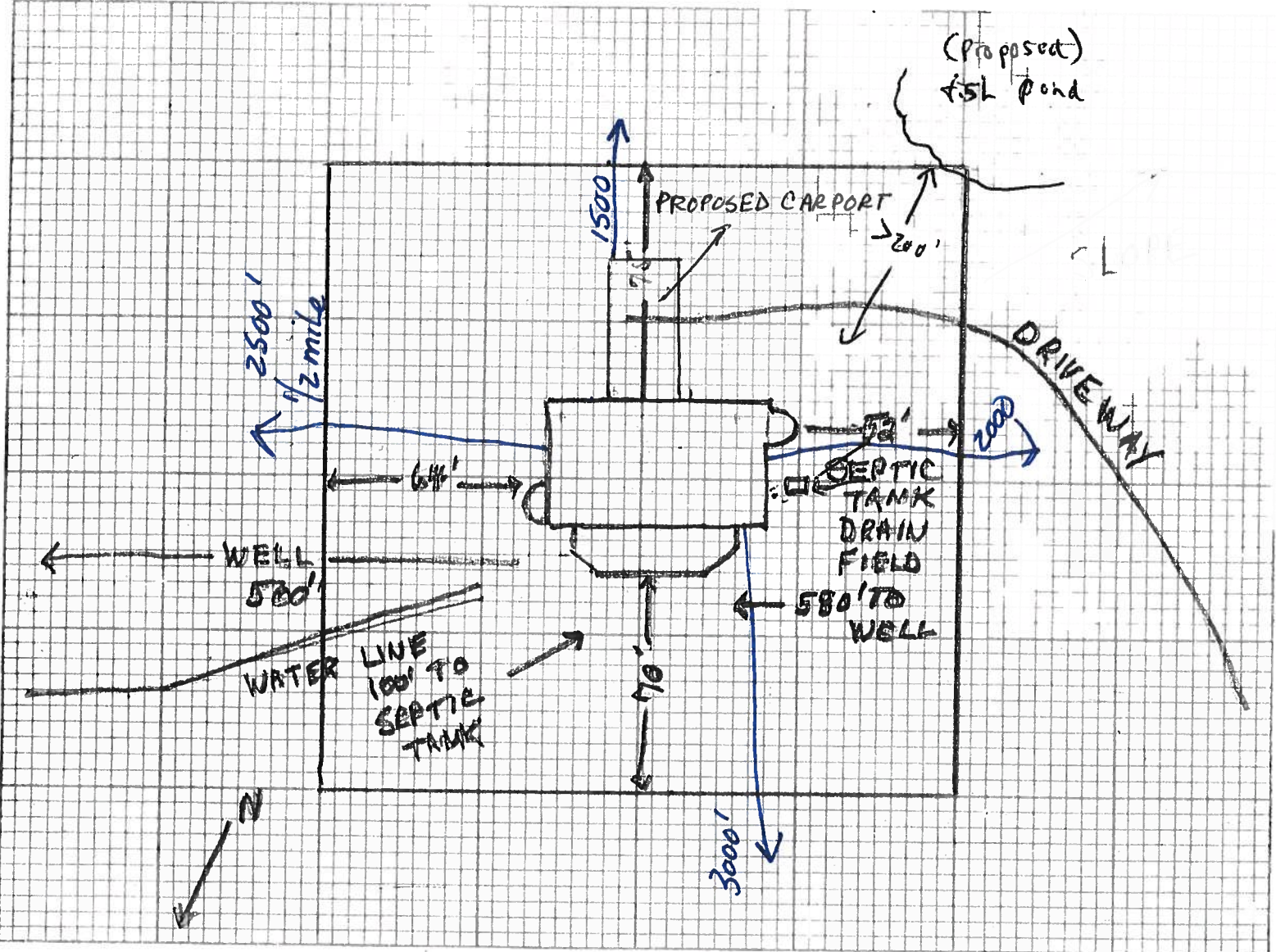
STATE OF FLORIDA  
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 02-0271N

PART II - SITE PLAN

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



Notes: \_\_\_\_\_

1 acre shown above

Site Plan submitted by: Tony W. Richardson Jr  
Signature

Owner  
Title

Plan Approved X Not Approved \_\_\_\_\_

Date April 3, 2002

By Jh Aweary Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT



# Columbia County Property Appraiser

DB Last Updated: 5/5/2006

## 2006 Proposed Values

Parcel: 13-3S-15-00174-000 HX

### Owner & Property Info

Search Result: 1 of 3 Next >>

<b>Owner's Name</b>	RICHARDSON GEORGE W JR
<b>Site Address</b>	BLUE BIRD
<b>Mailing Address</b>	294 NW BLUE BIRD GLN WELLBORN, FL 32094
<b>Description</b>	E1/2 OF NW1/4 LYING N OF ORANGE CREEK EX 6 AC IN NW COR & NE1/4 & SE1/4 AS LIES N OF RR, EX 104.80 AC ORB 367-148

<b>Use Desc. (code)</b>	IMPROVED A (005000)
<b>Neighborhood</b>	13315.00
<b>Tax District</b>	3
<b>UD Codes</b>	MKTA01
<b>Market Area</b>	01
<b>Total Land Area</b>	214.170 ACRES

### Property & Assessment Values

<b>Mkt Land Value</b>	cnt: (1)	\$7,800.00
<b>Ag Land Value</b>	cnt: (2)	\$28,847.00
<b>Building Value</b>	cnt: (2)	\$293,906.00
<b>XFOB Value</b>	cnt: (4)	\$9,105.00
<b>Total Appraised Value</b>		\$339,658.00

<b>Just Value</b>	\$1,142,174.00
<b>Class Value</b>	\$339,658.00
<b>Assessed Value</b>	\$295,732.00
<b>Exempt Value</b>	(code: HX) \$25,000.00
<b>Total Taxable Value</b>	\$270,732.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
NONE						

### Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	PREF M B A (008700)	1990	Mod Metal (25)	1470	4900	\$20,319.00
2	SINGLE FAM (000100)	2003	Above Avg. (10)	3860	5258	\$273,587.00
<b>Note: All S.F. calculations are based on exterior building dimensions.</b>						

### Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0030	BARN,MT	0	\$5,555.00	1500.000	30 x 50 x 0	PD (70.00)
0030	BARN,MT	0	\$1,000.00	1.000	0 x 0 x 0	(.00)
0120	CLFENCE 4	1993	\$400.00	1.000	0 x 0 x 0	(.00)
0180	FPLC 1STRY	2003	\$2,150.00	1.000	0 x 0 x 0	(.00)

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 AC	1.00/1.00/1.00/1.00	\$7,800.00	\$7,800.00
005600	TIMBER 3 (AG)	184.170 AC	1.00/1.00/1.00/1.00	\$139.00	\$25,599.00
005700	TIMBER 4 (AG)	29.000 AC	1.00/1.00/1.00/1.00	\$112.00	\$3,248.00
009910	MKT.VAL.AG (MKT)	213.170 AC	1.00/1.00/1.00/1.00	\$0.00	\$831,363.00

Columbia County Property Appraiser

DB Last Updated: 5/5/2006

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

**\*\*\* THIS DOCUMENT MUST BE RECORDED AT THE COUNTY CLERKS OFFICE BEFORE YOUR FIRST INSPECTION. \*\*\***

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 13-35-15-00174-0004X PERMIT NUMBER \_\_\_\_\_

1. Description of property: (Legal description of the property and street address or 911 address)

E 1/2 OF NW 1/4 LYING N OF ORANGE CREEK EX 6 AC IN NW COR + NE 1/4 + SE 1/4 AS LIES N OF RR. EX 104.80 AC ORB 367-148

2. General description of improvement: Asphalt

3. Owner Name & Address George W. Richardson Jr. 294 NW Blue Bird Glen Williston Florida 32094 Interest in Property owner

4. Name & Address of Fee Simple Owner (if other than owner): None

5. Contractor Name self George W Richardson Jr Phone Number 386 752-3794  
Address \_\_\_\_\_

6. Surety Holders Name \_\_\_\_\_ Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Amount of Bond \_\_\_\_\_

7. Lender Name NA Phone Number \_\_\_\_\_  
Address \_\_\_\_\_

8. Persons within the State of Florida designated by the (Inst: 2006013381 Date: 06/05/2006 Time: 09:51 served as provided by section 718.13 (1)(a) 7; Florida Stat J. F. DC, P. DeWitt Cason, Columbia County B: 1085 P: 1818  
Name self  
Address \_\_\_\_\_

9. In addition to himself/herself the owner designates \_\_\_\_\_ of \_\_\_\_\_ to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) - (a) 7. Phone Number of the designee \_\_\_\_\_

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified) \_\_\_\_\_

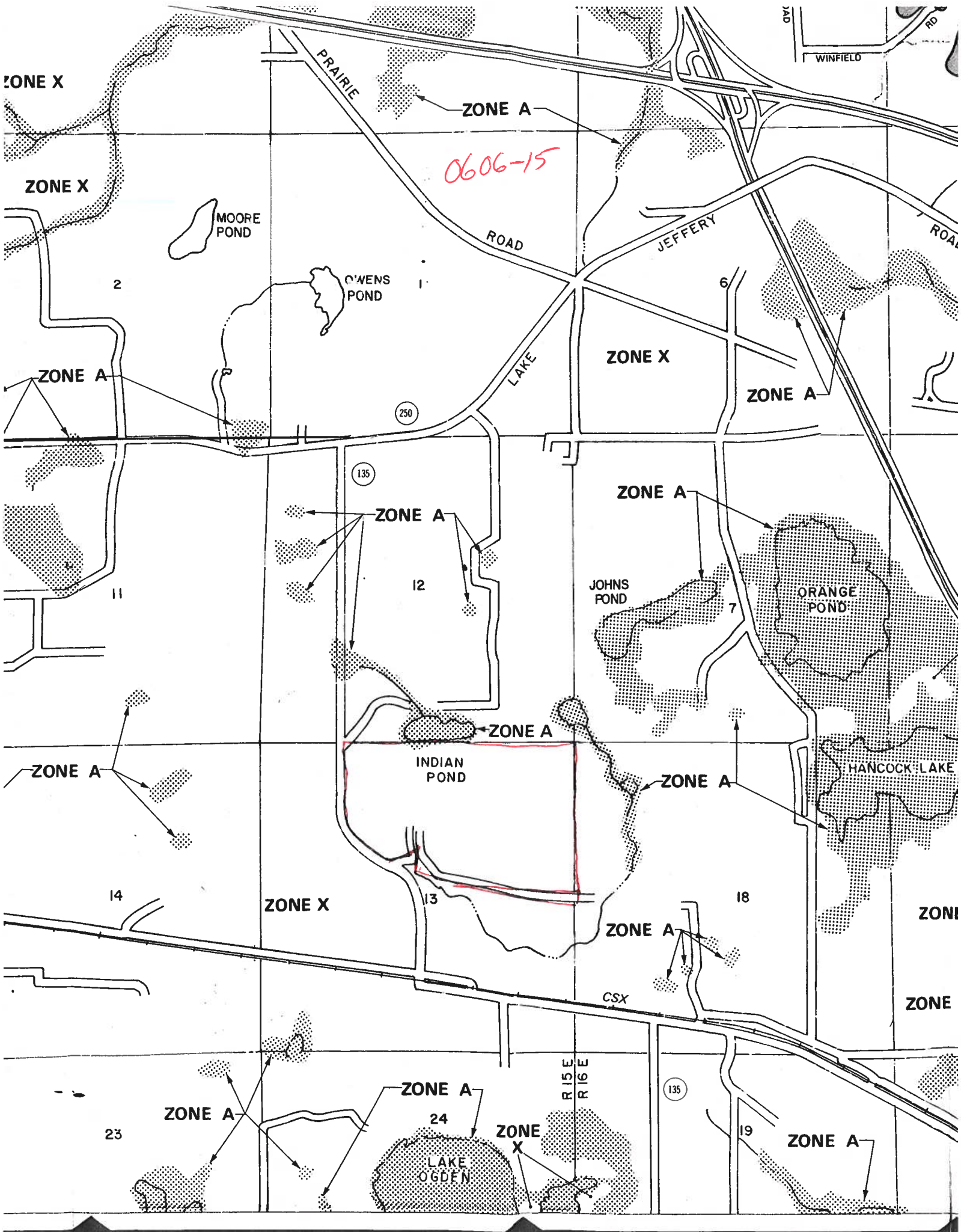
**NOTICE AS PER CHAPTER 713, Florida Statutes:**  
The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

George W. Richardson Jr  
Signature of Owner

Sworn to (or affirmed) and subscribed before 5th day of June, 2006



J. F. DC  
Signature of Notary



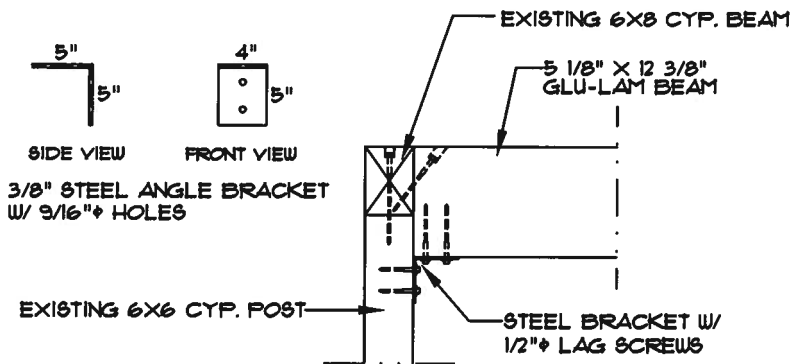


# SUWANNEE RIVER LOG HOMES, INC.

4345 HIGHWAY 90 WEST, WELLBORN, FL 32094  
PHONE 386-963-5641  
FAX 386-963-2809

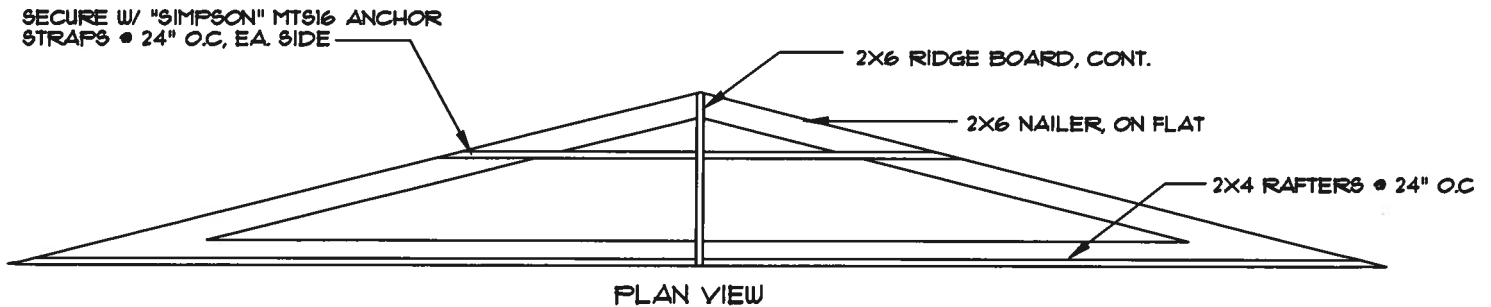
CUSTOMER NAME: MR. & MRS. RICHARDSON

ADDRESS: COLUMBIA COUNTY, FLORIDA



## Angle Bracket DETAILS

SCALE: N.T.S.



## Valley DETAIL

SCALE: N.T.S.



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

STRUCTURAL/CIVIL ENGINEERS

*Bel*  
6/14/00



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

Reference to a building permit application Number: **0606-15**  
Owner/Builder: George Richardson 249 NW Bluebird Glen.

On the date of June 14, 2006 application 0606-15 and plans for construction of an attached carport onto a single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

**Please include application number 0606-15 when making reference to this application.**

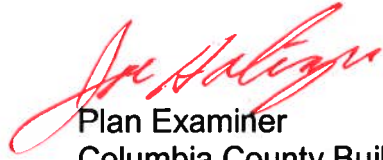
***This is a plan review for compliance with the Florida Residential Code 2004 only and doesn't make any consideration toward the land use and zoning requirements.***

**To help ensure compliance with the Florida Residential Code 2004 the comments below need to be addressed on the plans.**

1. Please have the windload engineer show a detail plan of the method to be used to attach the 5 1/8" X 12 3/8" Glu-lam support beam to the existing dwelling exterior porch supports. Also include a framing detail which will

show the method of attachment of the truss system to the existing porch  
roofing decking.

Joe Haltiwanger



Plan Examiner

Columbia County Building Department

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



Phone Number 386-758-1163  
Fax Number 386-754-7088

#### FAX TRANSMITTAL FORM

---

To:  
Name: Kiristion

CC: Building permit application **0606-15**

Phone: 386-963-5647

cover page

Fax: 386-963-2809

From:

Date Sent: 06/14/06

Number of Pages: *Three* counting the

---

**Message:** Reference to a building permit application Number: **0606-15**  
**Owner/Builder George Richardson Carport addition.**

**The review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.**



GTC DESIGN GROUP

## **WIND LOAD CALCULATIONS**

**For**

**George and Carol Richardson**

**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**

**Project name:** Mr. and Mrs. Richardson  
**Project:** 0  
**Client:** SRLH  
**Calculations:** Gary Gill, PE  
**Date:** 5/29/2006

## Design Basis

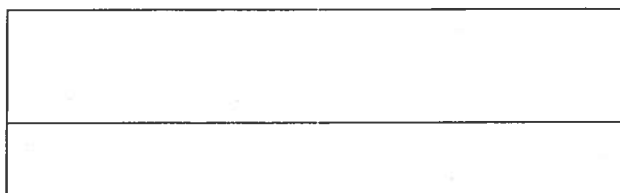
### Design Loads

Wind Load	110	
Floor Live Load		
Sleep Areas =		30 psf
All Others =		40 psf
Floor Dead Load		10 psf
Wall Dead Load		10 psf
Roof Live Load		20 psf
Roof Dead Load		10 psf

### Load Combinations

DL + LL(floor) + LL (roof)  
DL + LL(floor) +WL  
DL + WL  
Wind load

Exposure B



### Building Information

Shape	Rectangle
Length	40 ft
Width	26 ft
Type	Carport

### References

2001 Florida Building Code  
ASCE 7-98 Minimum Design Loads for Buildings and Other Structures  
AITC Timber Construction Manual

**WIND98 v3-02**

Wind Load Design per ASCE 7-98

**Description:** Mr. and Mrs. Richardson  
**Analysis by:** Gary Gill

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	14.04	Deg
Type of Roof	Gabled	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	12.00	ft
Ridge Height (RHt)	17.00	ft
Mean Roof Height (Ht)	14.50	ft
Width Perp. To Wind Dir (B)	26.00	ft
Width Paral. To Wind Dir (L)	40.00	ft
Damping Ratio (beta)	0.02	

*Red values should be changed only through "Main Menu"*

Calculated Parameters	
Type of Structure	
Height/Least Horizontal Dim	0.56
Flexible Structure	No

Calculated Parameters		
Importance Factor	1	
<i>Hurricane Prone Region (V&gt;100 mph)</i>		
<b>Table C6-4 Values</b>		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Gust Factor Category I: Rigid Structures - Simplified Method		
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85
Gust Factor Category II: Rigid Structures - Complete Analysis		
Zm	Zmin	30.00 ft
lzm	$Cc * (33/z)^{0.167}$	0.3048
Lzm	$l*(zm/33)^{Epsilon}$	309.99 ft
Q	$(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^{0.63}))^{0.5}$	0.9226
Gust2	$0.925*((1+1.7*lzm*3.4*Q)/(1+1.7*3.4*lzm))$	0.8793
Gust Factor Summary		
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85

**WIND98 v3-02**

Wind Load Design per ASCE 7-98

**6.5.12.2.1 Design Wind Pressure - Buildings of All Heights (Non-flexible)**

Elev ft	Kz	Kzt	qz lb/ft <sup>2</sup>	Pressure (lb/ft <sup>2</sup> ) Windward Wall*	
				+GCpi	-GCpi
17	0.60	1.00	15.68	10.66	10.66
15	0.57	1.00	15.13	10.29	10.29

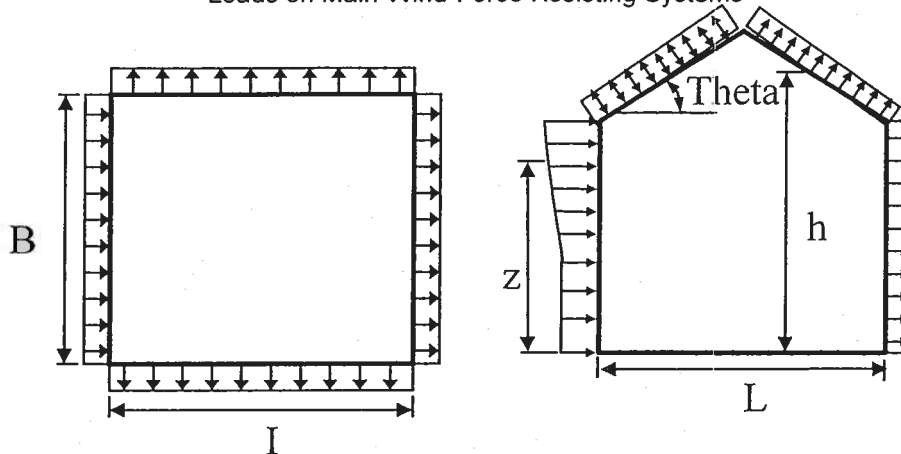
**Table 6-7 Internal Pressure Coefficients for Buildings, Gcpi**

Condition	Gcpi	
	Max +	Max -
Open Buildings	0.00	0.00
Partially Enclosed Buildings	0.55	-0.55
Enclosed Buildings	0.18	-0.18
<b>Open Buildings</b>	<b>0.00</b>	<b>0.00</b>

### WIND98 v3-02

Wind Load Design per ASCE 7-98

**Figure 6-3 - External Pressure Coefficients,  $C_p$**   
Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
$K_h$	$2.01 \cdot (15/zg)^{(2/\alpha)}$	0.57	
$K_{ht}$	Topographic factor (Fig 6-2)	1.00	
$Q_h$	$.00256 \cdot (V)^2 \cdot I \cdot K_h \cdot K_{ht} \cdot K_d$	15.13	psf
$K_{hcc}$	Comp & Clad: Table 6-5 Case 2	0.70	
$Q_{hcc}$	$.00256 \cdot V^2 \cdot I \cdot K_{hcc} \cdot K_{ht} \cdot K_d$	18.45	psf

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

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

Calculations for Wind Normal to 26 ft Face <i>Additional Runs may be req'd for other wind directions</i>	$C_p$	Pressure (psf)	
		+GCpi	-GCpi
Leeward Walls (Wind Dir Normal to 26 ft wall)	-0.39	-5.05	-5.05
Side Walls	-0.70	-9.00	-9.00
Roof - Wind Normal to Ridge ( $\theta \geq 10$ ) - for Wind Normal to 26 ft face			
Windward - Max Negative	-0.63	-8.08	-8.08
Leeward Normal to Ridge	-0.48	-6.16	-6.16
Overhang Top (Windward)	-0.63	-8.08	-8.08
Overhang Top (Leeward)	-0.48	-6.16	-6.16
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All $\theta$ ) - for Wind Normal to 26 ft face			
Dist from Windward Edge: 0 ft to 7.25 ft	-0.90	-11.58	-11.58
Dist from Windward Edge: 7.25 ft to 14.5 ft	-0.90	-11.58	-11.58
Dist from Windward Edge: 14.5 ft to 29 ft	-0.50	-6.43	-6.43
Dist from Windward Edge: > 29 ft	-0.30	-3.86	-3.86

\* Horizontal distance from windward edge

**WIND98 v3-02**

Wind Load Design per ASCE 7-98

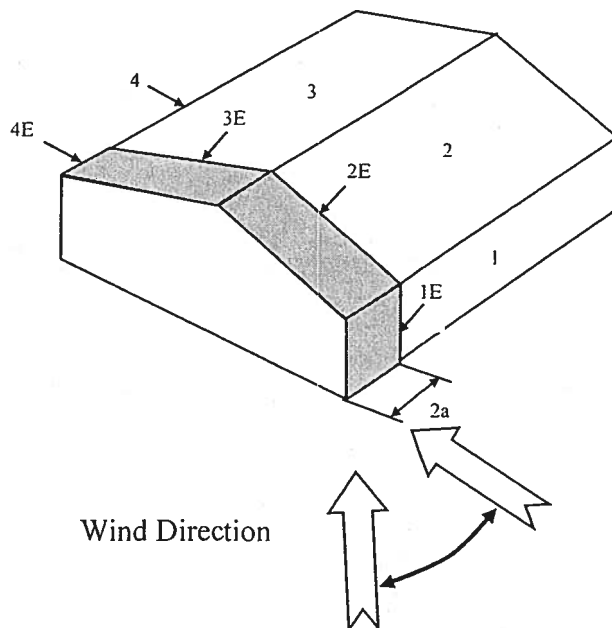
**Figure 6-4 - External Pressure Coefficients, GCpf**

Loads on Main Wind-Force Resisting Systems w/ Ht &lt;= 60 ft

$$\begin{aligned}
 K_h &= 2.01 \cdot (15/z_g)^{2/\alpha} &= & 0.57 \\
 K_{ht} &= \text{Topographic factor (Fig 6-2)} &= & 1.00 \\
 Q_h &= 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d &= & 15.13
 \end{aligned}$$

Case A						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	0.48	0	0	15.13	7.24	7.24
2	-0.69	0	0	15.13	-10.44	-10.44
3	-0.44	0	0	15.13	-6.60	-6.60
4	-0.37	0	0	15.13	-5.67	-5.67
5	0.00	0	0	15.13	0.00	0.00
6	0.00	0	0	15.13	0.00	0.00
1E	0.72	0	0	15.13	10.96	10.96
2E	-1.07	0	0	15.13	-16.19	-16.19
3E	-0.63	0	0	15.13	-9.48	-9.48
4E	-0.56	0	0	15.13	-8.42	-8.42
5E	0.00	0	0	15.13	0.00	0.00
6E	0.00	0	0	15.13	0.00	0.00

$$* p = q_h * (GC_{pf} - GC_{pi})$$



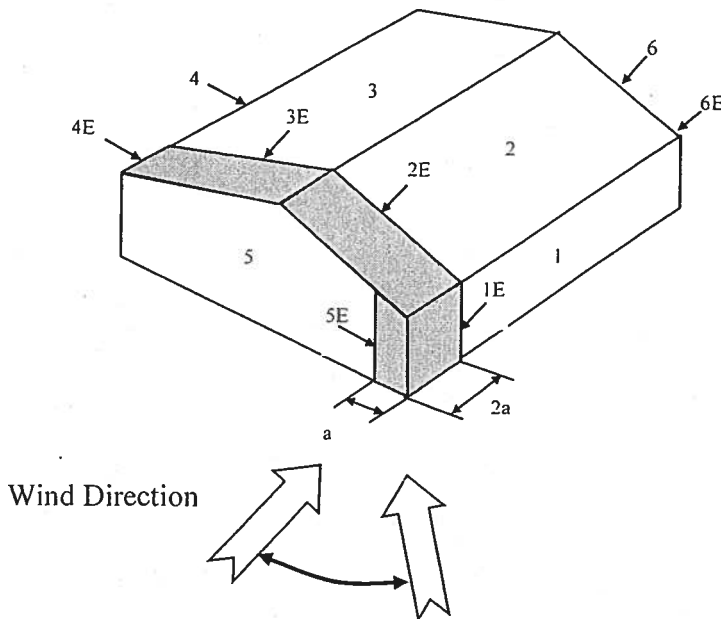
**WIND98 v3-02**  
 Wind Load Design per ASCE 7-98

**Figure 6-4 - External Pressure Coefficients, GCpf**  
 Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

$K_h = 2.01 \cdot (15/z_g)^{2/\alpha} = 0.57$   
 $K_{ht} = \text{Topographic factor (Fig 6-2)} = 1.00$   
 $Q_h = 0.00256 \cdot (V)^2 \cdot \text{ImpFac} \cdot K_h \cdot K_{ht} \cdot K_d = 15.13$

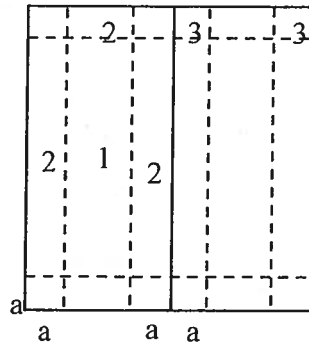
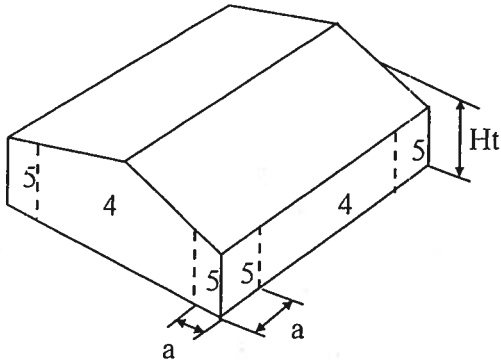
Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0	0	15.13	-6.81	-6.81
2	-0.69	0	0	15.13	-10.44	-10.44
3	-0.37	0	0	15.13	-5.60	-5.60
4	-0.45	0	0	15.13	-6.81	-6.81
5	0.40	0	0	15.13	6.05	6.05
6	-0.29	0	0	15.13	-4.39	-4.39
1E	-0.48	0	0	15.13	-7.26	-7.26
2E	-1.07	0	0	15.13	-16.19	-16.19
3E	-0.53	0	0	15.13	-8.02	-8.02
4E	-0.48	0	0	15.13	-7.26	-7.26
5E	0.61	0	0	15.13	9.23	9.23
6E	-0.43	0	0	15.13	-6.51	-6.51

\* p = qh \* (GCpf - GCpi)



**WIND98 v3-02**  
Wind Load Design per ASCE 7-98

**Figure 6-5 - External Pressure Coefficients, GCp**  
Loads on Components and Cladding for Buildings w/ Ht <= 60 ft



Gabled Roof  
10 < Theta <= 45

a = 2.6 ==> 3.00 ft

Component	Width (ft)	Span (ft)	Area (ft^2)	Zone	GCp		Wind Press (lb/ft^2)	
					Max	Min	Max	Min
ROOF	10	1	10.00	1	0.50	-0.90	10.00	-16.60
ROOF EDGE	10	1	10.00	2	0.50	-2.10	10.00	-38.74
WALL	10	1	10.00	4	1.00	-1.10	18.45	-20.29
WALL EDGE	10	1	10.00	5	1.00	-1.40	18.45	-25.82
ROOF EDGE	10	1	10.00	2H	0.50	-2.20	10.00	-40.58
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					
			0.00					

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



**BEAMS**

Element	Description	Tributary Width (ft)	Dead Load (psf)	Live Load (psf)
Beam 1	5-1/8" x 12-3/8" GluLam (supprting roof)	6.5	10	20

**PERFORATED SHEARWALLS ( WOOD FRAMED WALLS)**

1st Floor Height		Shearwall information	truss span	ft
2nd Floor height		Perpendicular		
Surface1	psf		Shearwall length 1	ft
Surface2	psf		Shearwall length 2	ft
Surface3	psf		sheath length1	
Surface4	psf		sheath length2	
Surface5	psf			
Surface6	psf			
Roof Area 1	sf	Parallel		
Roof Area 2	sf		shearwall length a	
wall area 1	sf		Shearwall length b	
wall area 2	sf		sheath lengtha	
found area 1			sheath lengthb	
found area 2				
Roof Area a				
Roof Area b				
wall area a				
wall area b				
found area a				
found area b				

**DIAPHRAGMS**

East / West Walls	Shear on walls	lb
North / South Walls	Shear on walls	lb



Project name: Mr. and Mrs. Richardson  
 Project number:  
 Date: 5/29/2006  
 Client: SRLH  
 Calc's by: GG

**RAFTER LOADS**

Element	Spacing (ft)	Length (ft)	Pitch (:12)	Loads							
				Dead (psf)	Live (psf)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
Rafter 1	8	13	3	10	20	82.46	160.00	242.46	-16.19	-125.65	-76.18

**RIDGE BEAMS**

Element	Tributary Width (ft)	w dead "D" (plf)	w live "L" (plf)	D+L	Wind (psf)	w wind "W" (plf)	0.6D+W
					-16.19		

Load factor based on slope  
 pitch (x/12) 12 \*\*\*pitch of 12 used as conservative  
 Load factor: 1.41

**WALL LOADS**

Dead (psf)	Wall Height (ft)	w dead "D" (plf)
10	8	80

\*\*\*only used if wall is load bearing

**FLOOR JOIST**

Element	Spacing	Dead (psf)	Live (psf)	w dead "D" (plf)	w live "L" (plf)	D+L (plf)

**GIRDERS**

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)

**BEAMS**

Element	Tributary Width (ft)	Dead (psf)	Live (psf)	w dead (plf)	w live (plf)
Beam 1	6.5	10	20	65.00	130.00

\*\*\* Wall load added to Beam 1

Scope :

### Timber Beam & Joist

Description Special Beams

#### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Beam 1
		Anthony 5
Timber Section		
Beam Width	in	5.125
Beam Depth	in	12.375
Le: Unbraced Length	ft	0.00
Timber Grade		thony 24F, Anthony thony 24F, Anthonythony 24F, Anthonythony 24F, Anthony
Fb - Basic Allow	psi	2,400.0
Fv - Basic Allow	psi	270.0
Elastic Modulus	ksi	1,800.0
Load Duration Factor		1.000
Member Type		Manuf/Pine
Repetitive Status		No

#### Center Span Data

Span	ft	15.70
Dead Load	#/ft	65.00
Live Load	#/ft	130.00

#### Results

Ratio = 0.2297

Mmax @ Center	in-k	72.10
@ X =	ft	7.85
fb : Actual	psi	551.2
Fb : Allowable	psi	2,400.0
Bending OK		
fv : Actual	psi	31.6
Fv : Allowable	psi	270.0
Shear OK		

#### Reactions

@ Left End	DL	lbs	510.25
	LL	lbs	1,020.50
	Max. DL+LL	lbs	1,530.75
@ Right End	DL	lbs	510.25
	LL	lbs	1,020.50
	Max. DL+LL	lbs	1,530.75

#### Deflections

Ratio OK

Center DL Defl	in	-0.061
L/Defl Ratio		3,089.0
Center LL Defl	in	-0.122
L/Defl Ratio		1,544.5
Center Total Defl	in	-0.183
Location	ft	7.850
L/Defl Ratio		1,029.7

Scope :

## Timber Beam & Joist

Description      Rafters

### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		
Beam Width	in	
Beam Depth	in	
Le: Unbraced Length	ft	
Timber Grade		Bald Cypress, No.2 Bald Cypress, No.2 Douglas Fir - Larch, Bald Cypress, No.2
Fb - Basic Allow	psi	
Fv - Basic Allow	psi	
Elastic Modulus	ksi	
Load Duration Factor		
Member Type		
Repetitive Status		

### Center Span Data

Span	ft
Dead Load	#/ft
Live Load	#/ft

### Results

Ratio =

Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

### Deflections

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	

Scope :

## Timber Beam & Joist

Description Ridge beam

### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section	
Beam Width	in
Beam Depth	in
Le: Unbraced Length	ft
Timber Grade	thony 24F, Anthony thony 24F, Anthony Douglas Fir - Larch,
Fb - Basic Allow	psi
Fv - Basic Allow	psi
Elastic Modulus	ksi
Load Duration Factor	
Member Type	
Repetitive Status	

### Center Span Data

Span	ft
Dead Load	#/ft
Live Load	#/ft

### Results

Ratio =

Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

### Deflections

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	

Scope :

**Timber Beam & Joist**

Description      Rafters-uplift

**Timber Member Information**

Calculations are designed to 1997 NDS and 1997 UBC Requirements

		Rafter 1
Timber Section		4x10
Beam Width	in	3.500
Beam Depth	in	9.500
Le: Unbraced Length	ft	0.00
Timber Grade		Bald Cypress, No. 2 Bald Cypress, No. 1 Douglas Fir - Larch, Southern Pine, No. 2 Douglas Fir - Larch,
Fb - Basic Allow	psi	1,250.0
Fv - Basic Allow	psi	115.0
Elastic Modulus	ksi	1,300.0
Load Duration Factor		1.000
Member Type		Sawn
Repetitive Status		Repetitive

**Center Span Data**

Span	ft	13.00
Dead Load	#/ft	
Live Load	#/ft	-76.20

**Results**

Ratio = 0.1710

Mmax @ Center	in-k	0.00
@ X =	ft	0.00
fb : Actual	psi	0.0
Fb : Allowable	psi	1,725.0
Bending OK		
fv : Actual	psi	19.7
Fv : Allowable	psi	115.0
Shear OK		

**Reactions**

@ Left End	DL	lbs	0.00
	LL	lbs	-495.30
	Max. DL+LL	lbs	-495.30
@ Right End	DL	lbs	0.00
	LL	lbs	-495.30
	Max. DL+LL	lbs	-495.30

**Deflections**

Ratio OK

Center DL Defl	in	0.000
L/Defl Ratio		0.0
Center LL Defl	in	0.151
L/Defl Ratio		1,035.7
Center Total Defl	in	0.151
Location	ft	6.500
L/Defl Ratio		1,035.7

Scope :

## Timber Beam & Joist

Description floor joists

### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		
Beam Width	in	
Beam Depth	in	
Le: Unbraced Length	ft	
Timber Grade		southern Pine, No.2 southern Pine, No.2 Southern Pine, No.2 Southern Pine, No.2
Fb - Basic Allow	psi	Douglas Fir - Larch,
Fv - Basic Allow	psi	
Elastic Modulus	ksi	
Load Duration Factor		
Member Type		
Repetitive Status		

### Center Span Data

Span	ft
Dead Load	#/ft
Live Load	#/ft

### Results

Ratio =

Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

### Deflections

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	

Scope :

Rev: 510304  
 User: KW-0601816, Ver 5.1.3, 22-Jun-1999, Win32  
 (c) 1983-99 ENERCALC

## Timber Beam & Joist

Page 1  
 p:\2006\p\06-165 srth-richardson\richardson.e

Description Floor girders

### Timber Member Information

Calculations are designed to 1997 NDS and 1997 UBC Requirements

Timber Section		
Beam Width	in	
Beam Depth	in	
Le: Unbraced Length	ft	
Timber Grade		southern Pine, No.2 Douglas Fir - Larch, Southern Pine, No.2 Anthony 24F, Anthony Southern Pine, No.2
Fb - Basic Allow	psi	
Fv - Basic Allow	psi	
Elastic Modulus	ksi	
Load Duration Factor		
Member Type		
Repetitive Status		

### Center Span Data

Span	ft
Dead Load	#/ft
Live Load	#/ft

### Results Ratio =

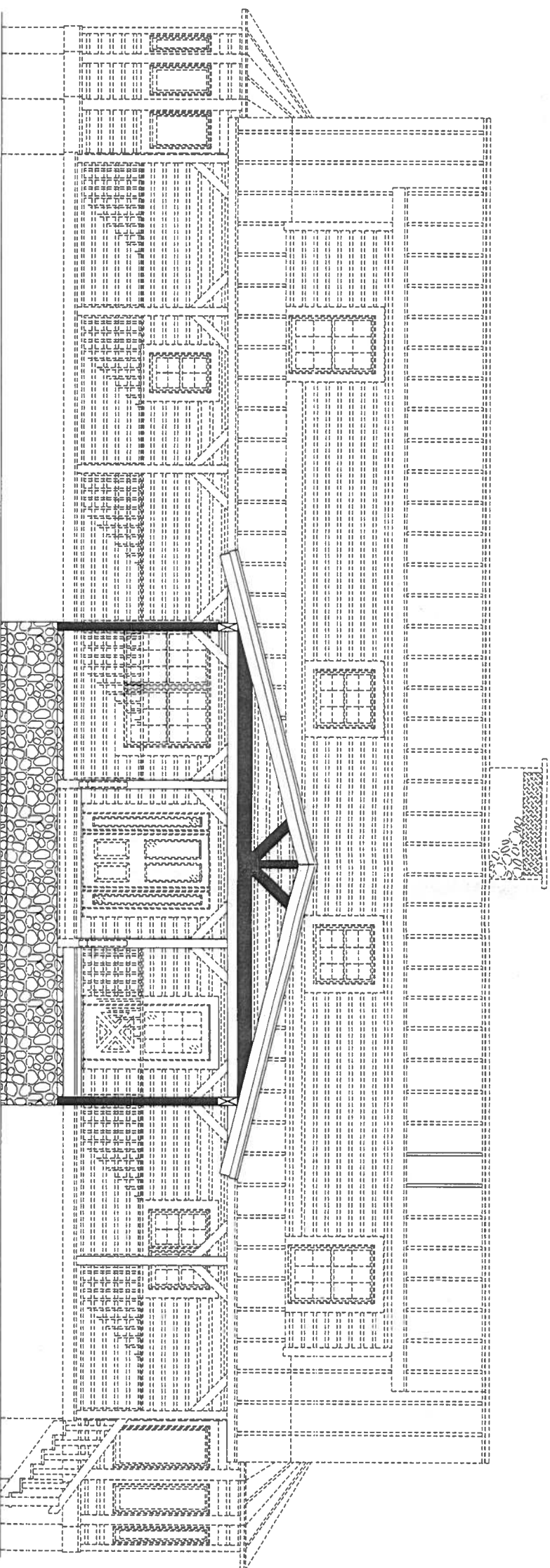
Mmax @ Center	in-k
@ X =	ft
fb : Actual	psi
Fb : Allowable	psi
fv : Actual	psi
Fv : Allowable	psi

### Reactions

@ Left End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs
@ Right End	DL	lbs
	LL	lbs
	Max. DL+LL	lbs

### Deflections

Center DL Defl	in
L/Defl Ratio	
Center LL Defl	in
L/Defl Ratio	
Center Total Defl	in
Location	ft
L/Defl Ratio	



A Custom Carport for ;  
**Mr. and Mrs. Richardson**  
 Columbia County, FL

<b>D r a w i n g   I n d e x</b>	
C.5	DRAWING INDEX & STRUCTURAL SUMMARY
A.1	ELEVATIONS, ELECTRICAL & DIMENSION PLANS W/NOTES
A.2	FOUNDATION AND ROOF FRAMING PLANS
A.3	BUILDING SECTION AND NOTES

ALL UND. LOADS ARE IN ACCORDANCE WITH SECTION R301,  
 FLORIDA BUILDING CODE, 2004 EDITION.

BASIC WIND SPEED:	140 MPH
WIND IMPORTANCE FACTOR (I):	1.0 - ICB
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	3 <sup>rd</sup>
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
PURPOSE PER TABLE R301(2) / (R301(3) / (R301(4))	ROOF: . 231 PSF WALLS: . 26.6 PSF EAVES: . 31.3 PSF
DESIGN WIND PRESSURES:	ROOF: . 231 PSF WALLS: . 26.6 PSF EAVES: . 31.3 PSF ROOF: . 231 PSF
COMPONENTS & CLADDING PER TABLE R301(7) / (R301(8))	ROOF: . 231 PSF WALLS: . 26.6 PSF EAVES: . 31.3 PSF ROOF: . 231 PSF

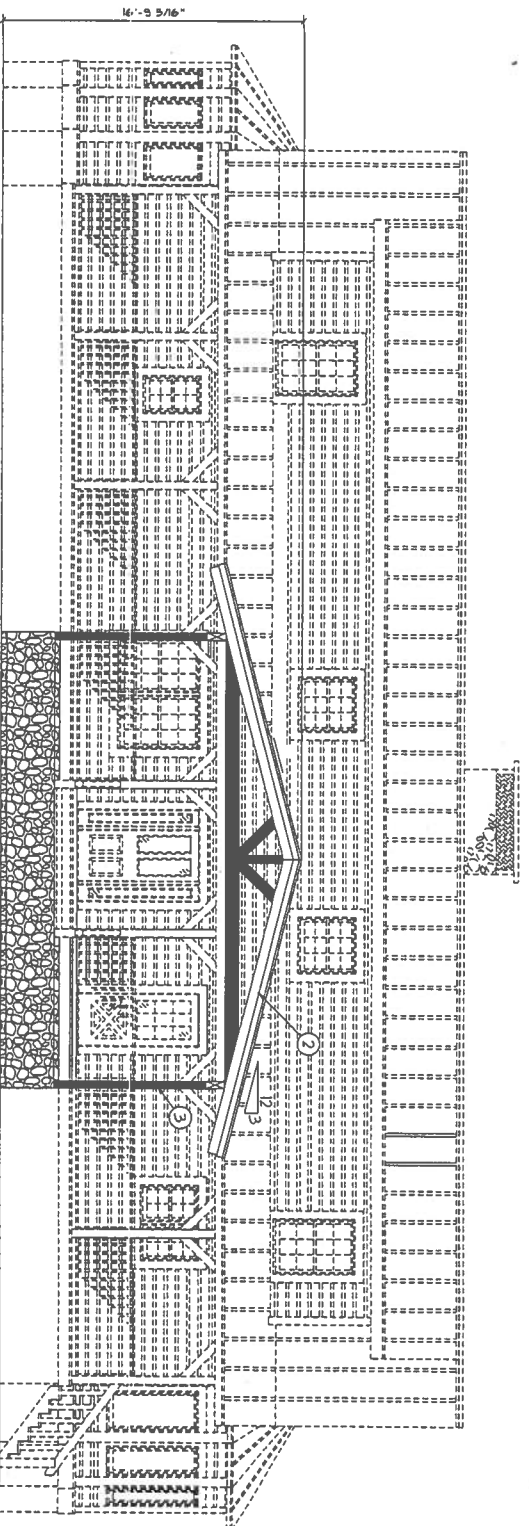
**SUWANNEE RIVER LOG HOMES**  
 Manufacture of Custom Homes  
 Specializing in the South  
 4341 Highway 90, Unit 1000, Ft. Pierce, FL 34947  
 888-341-0088 / 888-341-0089

**Gray T. Gill, P.E. #51942**  
 130 W. 10th Street  
 Live Oak, FL 32064  
 Phone: (386) 362-3678  
 Fax: (386) 362-5133  
 AutoCAD 2004 / AutoCAD LT 2004

**A Custom Carport For:**  
**MR. & MRS. RICHARDSON**  
 COLUMBIA CO., FL

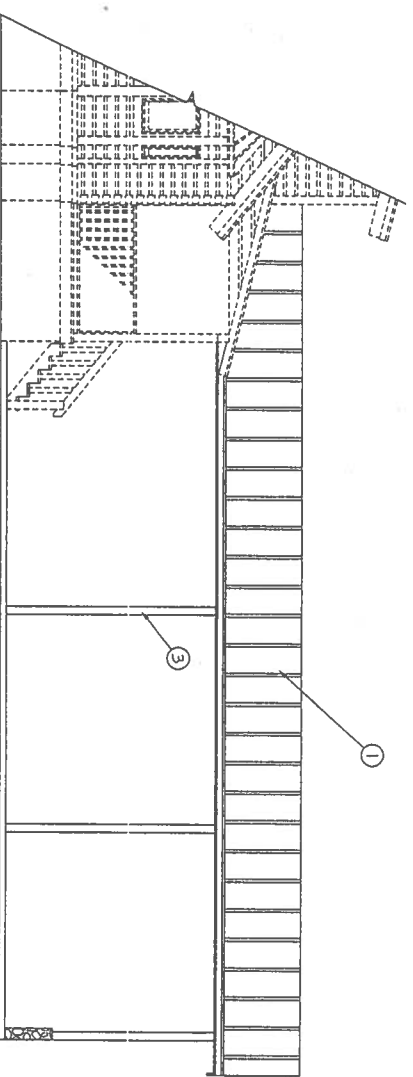
DATE	DRAWN	REVISION	SHEET
06/06/08	J5	GJG	C.5.





**End ELEVATION**

SCALE: 1/4" = 1'-0"



**Side ELEVATION**

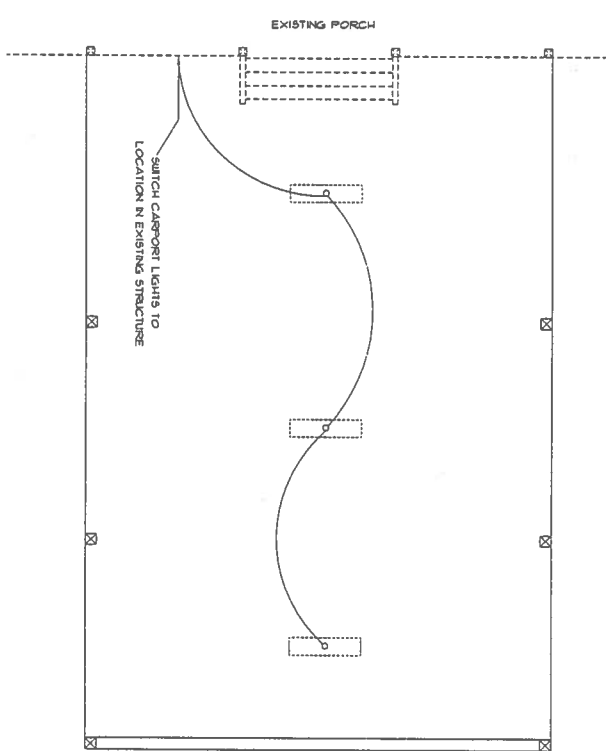
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- ① METAL ROOFING, AS SELECTED BY OWNER
  - ② CONT. METAL FLASHING
  - ③ 8 x 8 CYP. SUPPORT POSTS



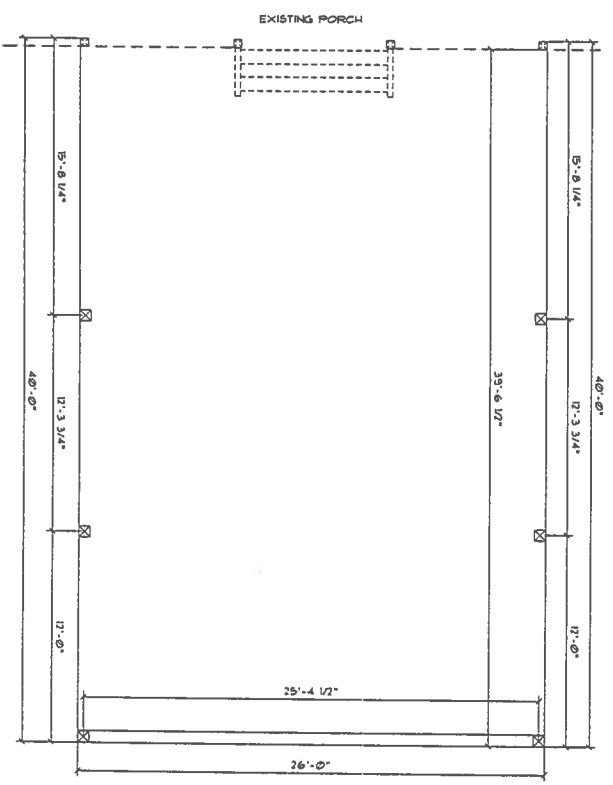
**ELECTRICAL PLAN NOTES**

USE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS.  
 INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.  
 TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE DIRECTIONS IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.  
 ELECTRICAL CONTRACTOR SHALL PREPARE 24x36 1/4" DRAWINGS INDICATING ALL ELECTRICAL WORK NOT INDICATED BY ARCHITECT. CONTRACTOR SHALL PROVIDE ALL RISER DIAGRAMS AS BUILT PANEL SCHEDULE W/ ALL CTS. CONTRACTOR SHALL PROVIDE ALL WIRING SCHEDULES. ALL UNDERGROUND WIRE LOCATIONS ABOUT PERMIT RISER DIA SHALL INCLUDE WIRE SIZE/TYPE & EQUIPMENT CONTRACTOR SHALL PROVIDE 1 COPY OF AS BUILT CDS TO OWNER & 11 COPY TO THE PERMIT ISSUING AGENCY. TYPE W/ RATINGS & LOADS.



**ELECTRICAL PLAN**

SCALE: 1/4" = 1'-0"



**DIMENSION PLAN**

SCALE: 1/4" = 1'-0"

NOTE:  
ALL HIDDEN LINES REFER TO EXISTING STRUCTURE

NOTE:  
ELEVATION MARKS ARE FOR REFERENCE ONLY. FINAL ELEVATIONS ARE DETERMINED BY THE FINISHED LOG WALL - FIELD MEASURE.

**AREA CALCULATION**

CARPORT AREA

1246.00 SF

**SILVANEER RIVER**  
 TRANSDUCERS  
 LOCATIONS  
 424 HIGHLAY 90, KELLER, FLORIDA 32064  
 386.561.0085-417 / 800.941.0085-417

**CG**  
 P.O. Box 117  
 130 West Howard Street  
 Live Oak, FL 32064  
 Phone: (386) 362-3678  
 Fax: (386) 362-6133  
 Email: info@cg.com  
 407.311.5401

**A Custom Carport For:**  
**MR. & MRS. RICHARDSON**  
 COLUMBIA CO. FL

DATE	DRAWN	REVISION	SHEET
01/16/06	J5	01/16/06	A.1
01/16/06	01/16/06	01/16/06	1 of 3

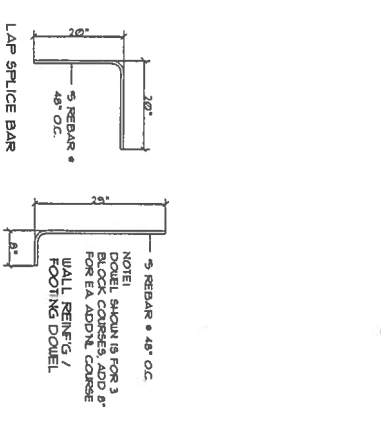


**Post Base Anchor**  
SCALE: NTS

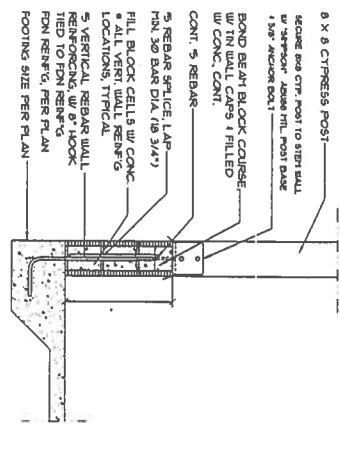
**FOOTING SCHEDULE**

②	20" X 8" X CONT. MONOLITHIC FIG. W/ 2 #9 REBAR BOTTOM CONT.
<b>POST SCHEDULE</b>	
①	8" X 8" CYPRESS POST

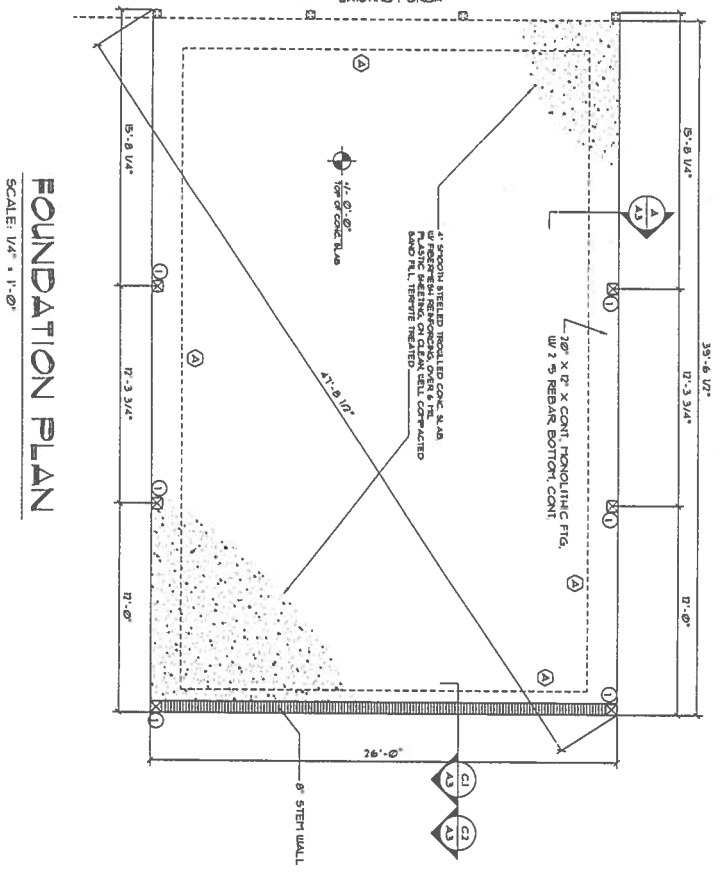
**MONO. SLAB/FTG. W/8" X 8" POST**  
SCALE: NTS



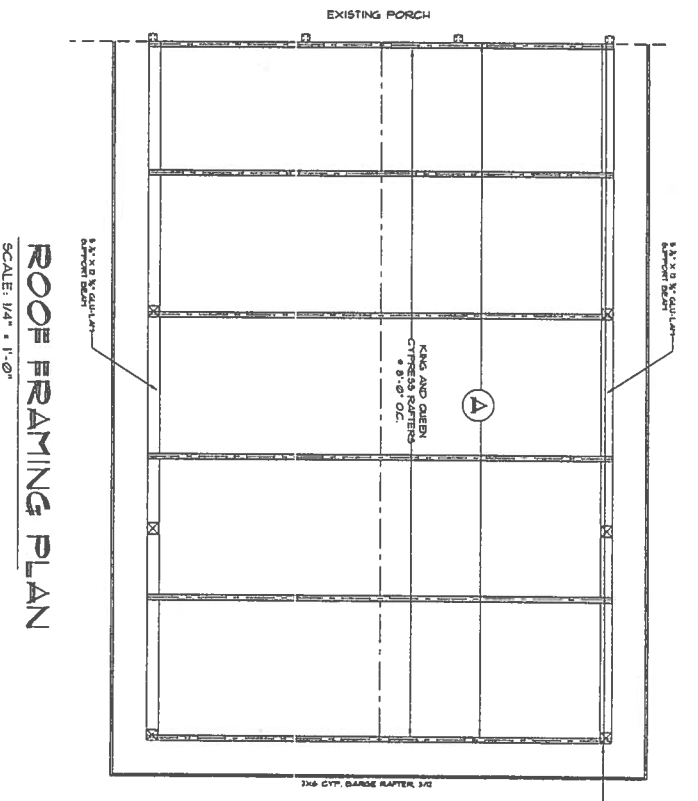
**Rebar Details**  
SCALE: NTS



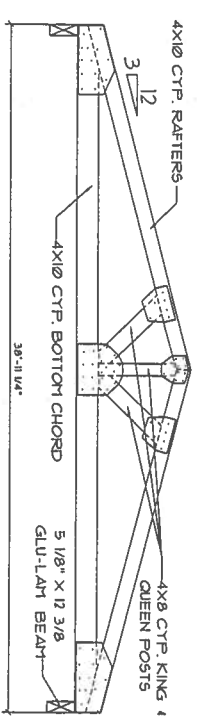
**Stem Wall Reinf'g**  
SCALE: NTS



**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



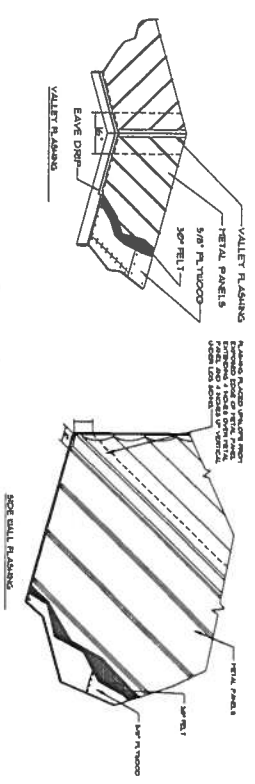
**ROOF FRAMING PLAN**  
SCALE: 1/4" = 1'-0"



**Rafter Profile**  
SCALE: NTS

**Roofing / Flashing Details**  
SCALE: NONE

ROOF ZONE	FLASHING TYPE	FLASHING SIZE	FLASHING TO	FLASHING TO	FLASHING TO	FLASHING TO	FLASHING TO	FLASHING TO
1042	WOOD SHED	9" X 1 1/2"	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD
1043	WOOD SHED	9" X 1 1/2"	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD
1044	WOOD SHED	9" X 1 1/2"	WOOD	WOOD	WOOD	WOOD	WOOD	WOOD

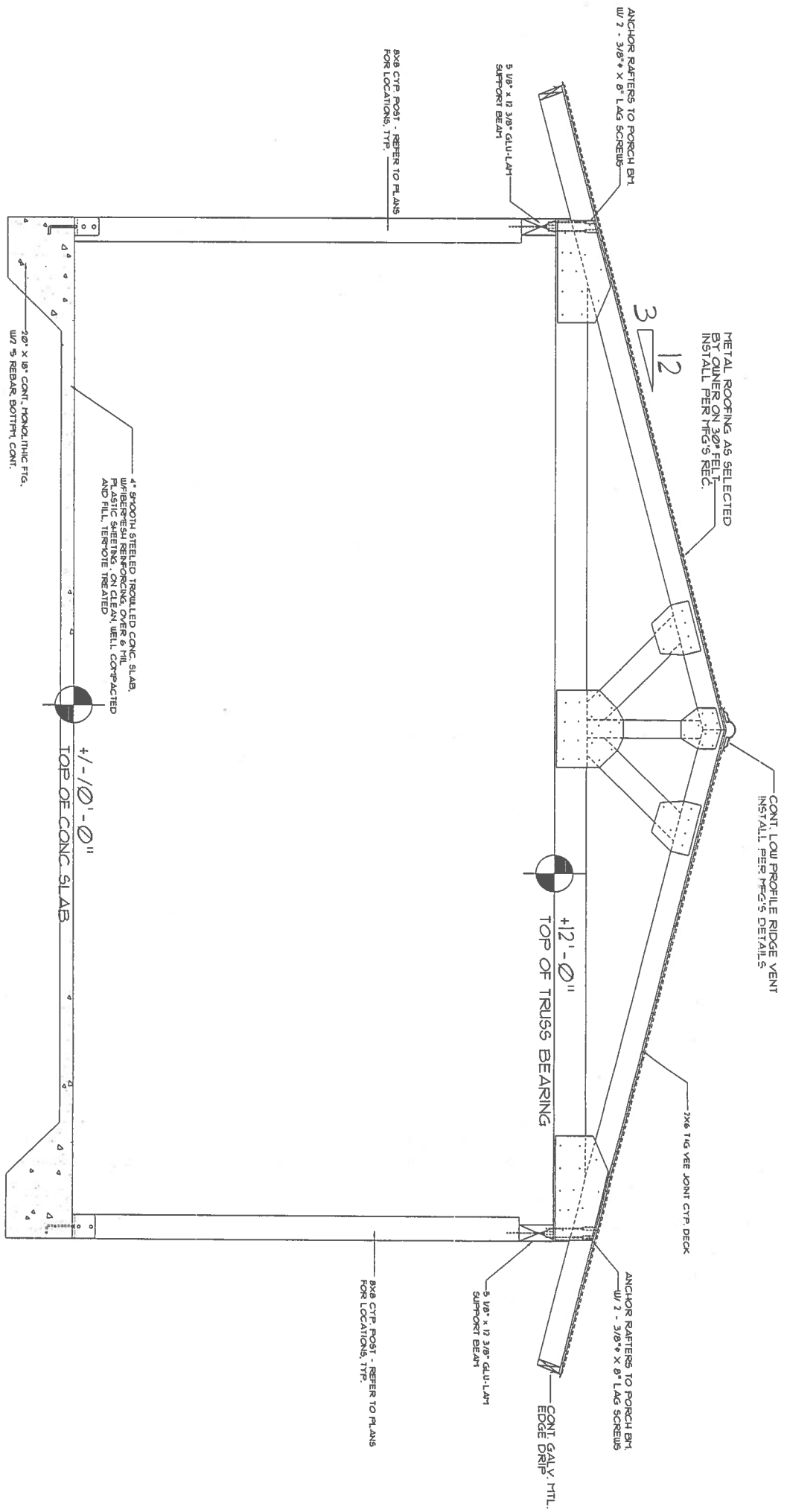


**SUNNANEE RIVER LOG HOMES, INC.**  
130 West Howard Street  
Lima, OH 45804  
Phone: (330) 382-3878  
Fax: (330) 382-6133

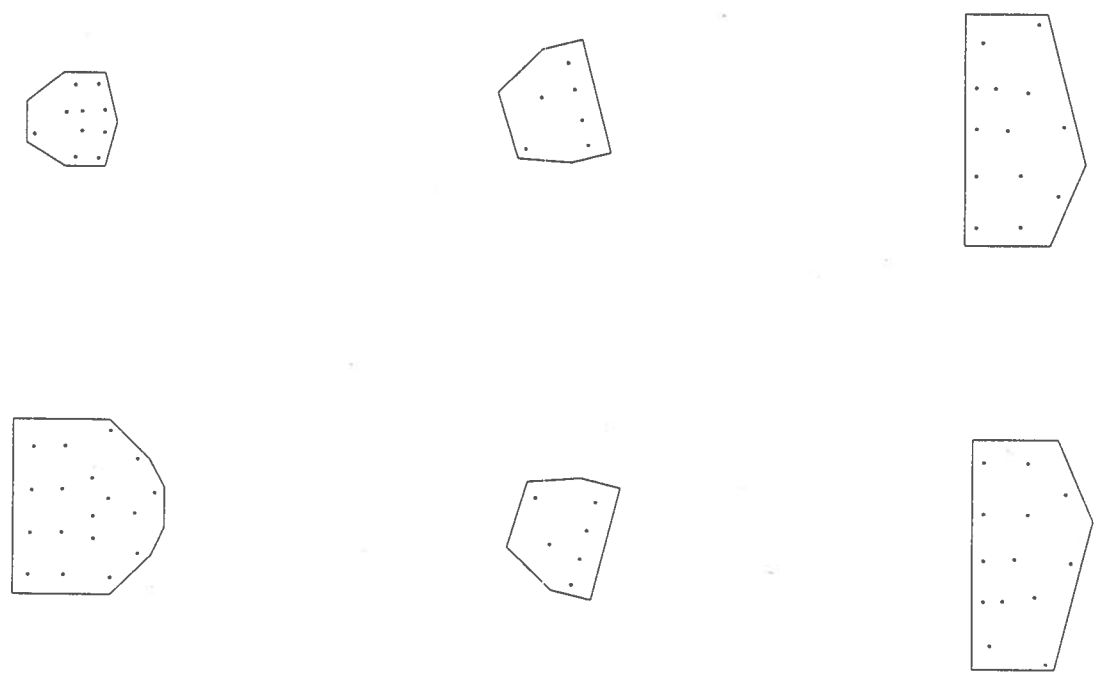
**CG**  
Civil & Mechanical  
130 West Howard Street  
Lima, OH 45804  
Phone: (330) 382-3878  
Fax: (330) 382-6133

**MR. & MRS. RICHARDSON**  
COLUMBIA CO. FL

**DATE:** 01/14/06  
**DRAWN:** J5  
**CHECK:** GJG  
**REVISION:**  
**SHEET:** A2  
**OF:** 2 of 3



**BUILDING SECTION**  
SCALE: N.T.S.



3/8" STEEL GUSSETS, W/  
W/ 5/16" HOLES FOR  
5/8" THRU-BOLTS


  
 GUYANNE RIVER  
 LOG HOMES, INC.  
 1486 W. U.S. 90, SUITE 111, GUYANNE, LA 70049-4471  
 Phone: (504) 833-1111


  
 GUYANNE RIVER  
 LOG HOMES, INC.  
 P.O. Box 187  
 Lumberton, NC 27842  
 Phone: (919) 362-8778  
 Fax: (919) 362-8133

A Custom Camp for:  
**MR. & MRS. RICHARDSON**  
 COLUMBIA CO., FL  
 1000 S. W. 10th St., Suite 100  
 Columbia, SC 29204

DATE	DRAWN	REVISION	SHEET
01/14/08	JS		A.3
06/04/08	REVIEWED		3 of 3
	GLG		

