DATE 01/12/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000022692

APPLICANT CHRIS COX PHONE 867-0633

ADDRESS P.O. BOX 815 LAKE CITY FL 32056

OWNER CORNERSTONE DEVELOPMENT GROUP/ZECHER PHONE 752-8653

ADDRESS 165 SE VICTORIA GLEN LAKE CITY FL 32055

CONTRACTOR BRYAN ZECHER PHONE 752-8653

LOCATION OF PROPERTY BAYA AVE, TR ON OLD COUNTRY CLUB ROAD, 3 MILES ON LEFT, TL ON VIUCTORIA GLEN, 1ST LOT ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 75000.00

HEATED FLOOR AREA 1500.00 TOTAL AREA 1974.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 19

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

NO. EX.D.U. 0 FLOOD ZONE X PP DEVELOPMENT PERMIT NO.

PARCEL ID 15-4S-17-08359-016 SUBDIVISION COUNTRY SIDES ESTATES

LOT 1 BLOCK PHASE UNIT TOTAL ACRES .50

000000501 CBC054575 Chris W. Cox

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

CULVERT PERMIT 04-0731-N BK RJ Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 1097

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 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

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

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

Reconnection _____ date/app. by Pump pole _____ date/app. by Utility Pole _____ date/app. by

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

BUILDING PERMIT FEE $ 375.00 CERTIFICATION FEE $ 9.87 SURCHARGE FEE $ 9.87

MISC. FEES $ .00 ZONING CERT. FEE $ 50.00 FIRE FEE $ _____ WASTE FEE $ _____

FLOOD ZONE DEVELOPMENT FEE $ _____ CULVERT FEE $ 25.00 **TOTAL FEE** 469.74

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."

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 INCONVIENCE, 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

For Office Use Only Application # 0408-18 Date Received 8/5/04 By CG Permit # 501/22692

Application Approved by - Zoning Official BLK Date 12.01.05 Plans Examiner _____ Date _____

Flood Zone X per plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.

Comments Make Sure of ID Number

NEED 911

Applicants Name Bryan Zeiher Const Phone 752-8653

Address PO Box 815 LC, FL 32056

Owners Name Cornerstone Development Group Phone 752-8653

911 Address 165 SE. VICTORIA GLEN LAKE CITY, FLA.

Contractors Name Bryan Zeiher Construction Phone 752-8653

Address PO Box 815 Lake City, FL 32056

Fee Simple Owner Name & Address —

Bonding Co. Name & Address —

Architect/Engineer Name & Address Teena Ruffo / Mark Disbrow

Mortgage Lenders Name & Address —

Property ID Number 15-4S-17-08359-016 Parent Tract #✓ Estimated Cost of Construction $100,000.00

Subdivision Name ~~County Side Estates~~ County Sides Lot ~~37~~ 1 Block ____ Unit ____ Phase ____

Driving Directions Bunga Ave to Old Country Club Rd, T/R - go about 3 miles to Subdivision on left

Type of Construction new home Number of Existing Dwellings on Property 0

Total Acreage 1/2 acre Lot Size 1/2 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 25 ✓ Side ~~35~~ 35 ✓ Side ~~35~~ 35 ✓ Rear 45 ✓

Total Building Height 19' Number of Stories 1 Heated Floor Area 1500 Roof Pitch 6/12

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

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.

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number CBC054575

Competency Card Number

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 5th day of Aug 2004.

Personally known ✓ or Produced Identification ____

NOTARY STAMP/SEAL: GALE TEDDER MY COMMISSION # DD 333586 EXPIRES: June 28, 2008 Bonded Thru Notary Public Underwriters

Notary Signature

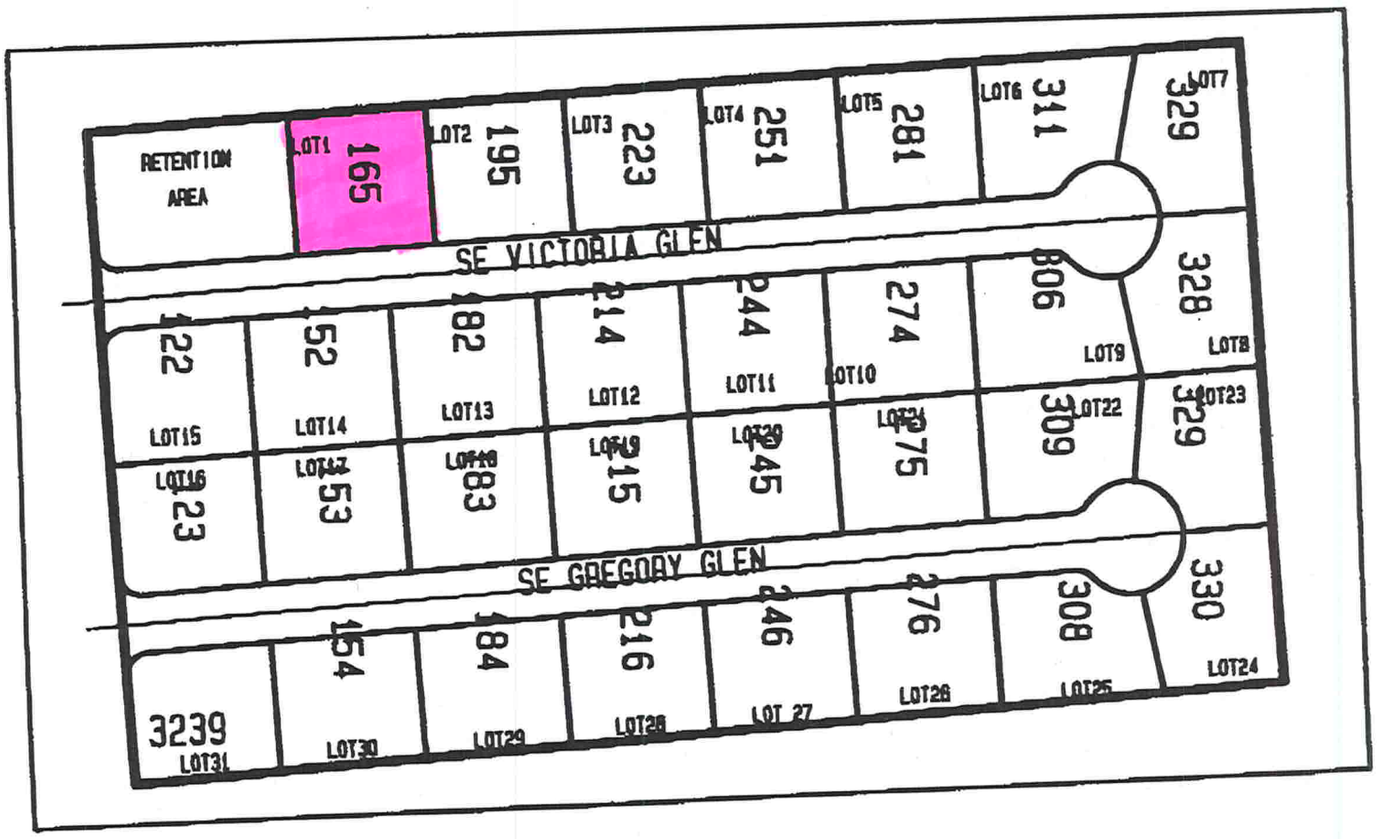
COLUMBIA COUNTY 9-1-1 ADDRESSING

263 NW Lake City Ave. * P. O. Box 2949 * Lake City, FL 32056-2949
PHONE: (386) 752-8787 * FAX (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addresses for Country Side Estates Subdivision:

Lot #:	Address Assigned:
1	165 SE Victoria Glen
2	195 SE Victoria Glen
3	223 SE Victoria Glen
4	251 SE Victoria Glen
5	281 SE Victoria Glen
6	311 SE Victoria Glen
7	329 SE Victoria Glen
8	328 SE Victoria Glen
9	306 SE Victoria Glen
10	274 SE Victoria Glen
11	244 SE Victoria Glen
12	214 SE Victoria Glen
13	182 SE Victoria Glen
14	152 SE Victoria Glen
15	122 SE Victoria Glen

Lot #:	Address Assigned:
16	123 SE Gregory Glen
17	153 SE Gregory Glen
18	183 SE Gregory Glen
19	215 SE Gregory Glen
20	245 SE Gregory Glen
21	275 SE Gregory Glen
22	309 SE Gregory Glen
23	329 SE Gregory Glen
24	330 SE Gregory Glen
25	308 SE Gregory Glen
26	276 SE Gregory Glen
27	246 SE Gregory Glen
28	216 SE Gregory Glen
29	184 SE Gregory Glen
30	154 SE Gregory Glen
31	3239 SE Country Club Rd

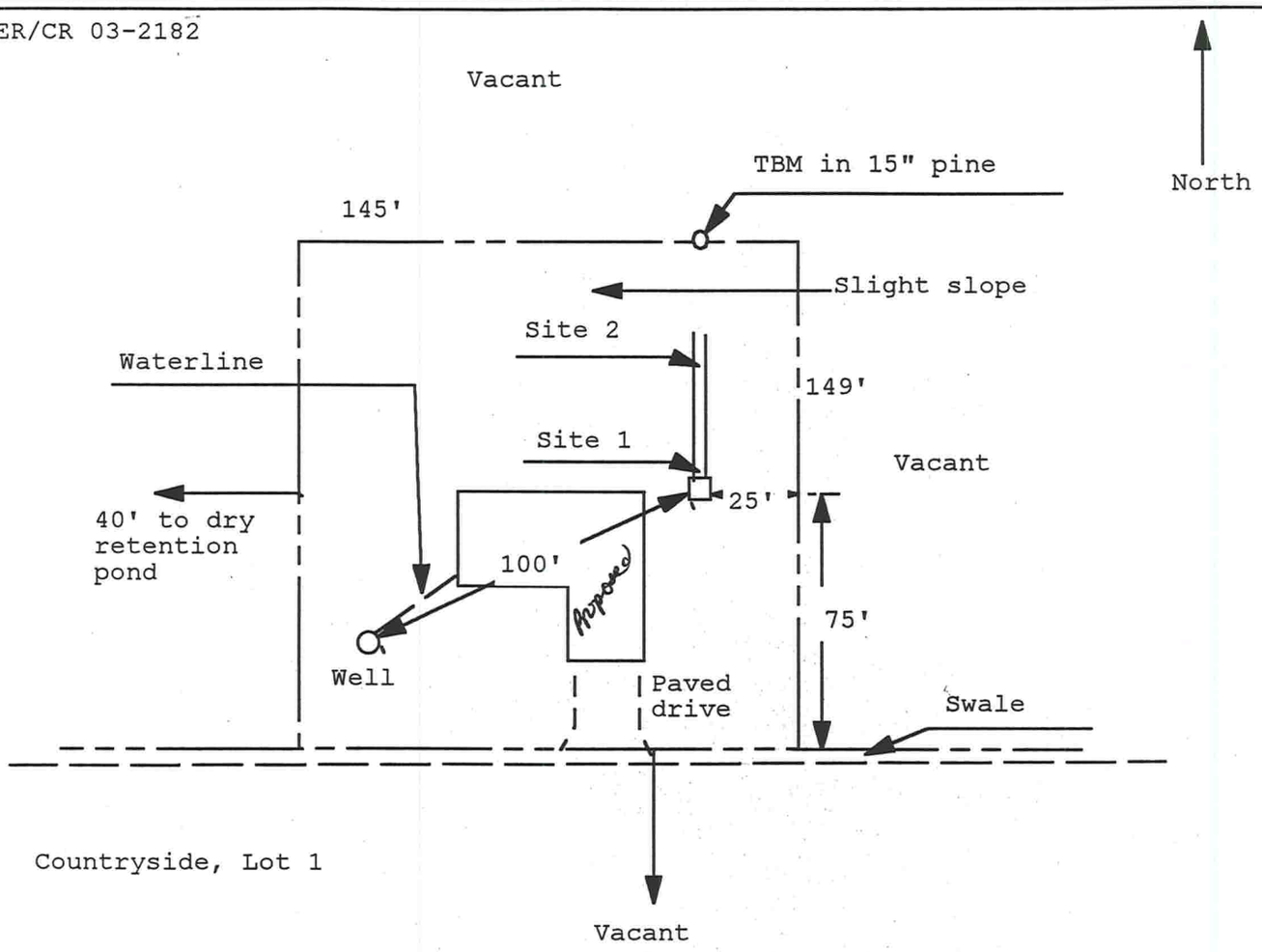


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 04-0731N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ZECHER/CR 03-2182



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 6/29/04

Plan Approved ✓ **Not Approved** ____ **Date** 6/29/04

By Paul Lloyd Columbia **CPHU** 7-7-04

Notes:

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

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

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

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
☑	☐	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
☑	☐	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
☑	☐ BK	**Site Plan including:** a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
☑	☐	**Wind-load Engineering Summary, calculations and any details required** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifally designed by the registered design professional
☑	☑	**Elevations including:**
☐	☑	a) All sides
☑	☐	b) Roof pitch
☑	☑	c) Overhang dimensions and detail with attic ventilation
☑	☐ N/A	d) Location, size and height above roof of chimneys
☑	☐ N/A	e) Location and size of skylights
☑	☑	f) Building height
☑	☑	e) Number of stories

Floor Plan including:

a) Rooms labeled and dimensioned

b) Shear walls

c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)

d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth

e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails

f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing

b) All posts and/or column footing including size and reinforcing

c) Any special support required by soil analysis such as piling

d) Location of any vertical steel

Roof System:

a) Truss package including:

1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

b) Conventional Framing Layout including:

1. Rafter size, species and spacing
2. Attachment to wall and uplift
3. Ridge beam sized and valley framing and support details
4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

a) Masonry wall

1. All materials making up wall
2. Block size and mortar type with size and spacing of reinforcement
3. Lintel, tie-beam sizes and reinforcement
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
7. Fire resistant construction (if required)
8. Fireproofing requirements
9. Shoe type of termite treatment (termiticide or alternative method)
10. Slab on grade
    a. Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)
    b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
11. Indicate where pressure treated wood will be placed
12. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termiticide or alternative method)
11. Slab on grade
    a. Vapor retarder (6Mil. Polyethylene with joints lapped 6 inches and sealed
    b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
    a. Attic space
    b. Exterior wall cavity
    c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer

b) Floor joist size and spacing

c) Girder size and spacing

d) Attachment of joist to girder

e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified

b) Ceiling fans

c) Smoke detectors

d) Service panel and sub-panel size and location(s)

e) Meter location with type of service entrance (overhead or underground)

f) Appliances and HVAC equipment

g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

a) Manual J sizing equipment or equivalent computation

b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

Notice Of Commencement

Private Potable Water

a) Size of pump motor

b) Size of pressure tank

c) Cycle stop valve if used

private system

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 **(Toilet facilities shall be provided for construction workers)**

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to br submitted by the owner or contractor to this office when applying for a Building Permit.

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
   A development permit will also be required. Development permit cost is **$10.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit ($25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ($50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.

7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 758-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

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 15-4S-17-08359-016

1. Description of property: (legal description of the property and street address or 911 address)
   Country Side Estates, Lot 1
2. General description of improvement: New Home
3. Owner Name & Address Cornerstone Development Group
   PO Box 815 Lake City, FL 32056 Interest in Property Simple
4. Name & Address of Fee Simple Owner (if other than owner): —
5. Contractor Name Bryan Zecher Construction, Inc Phone Number 752-8653
   Address PO Box 815 Lake City, FL 32056
6. Surety Holders Name —
   Address —
   Amount of Bond —
   Inst:2004018021 Date:08/05/2004 Time:12:24
   MK DC,P.DeWitt Cason,Columbia County B:1022 P:2291
7. Lender Name —
   Address —
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
   Name — Phone Number —
   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.

Signature of Owner

OFFICIAL NOTARY SEAL
SUSAN A. GARBER
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION NO. DD043861
MY COMMISSION EXP. AUG. 7, 2005

Sworn to (or affirmed) and subscribed before day of August 4, 20 04

NOTARY STAMP/SEAL

Susan A. Garber
Signature of Notary

15-4S-17-08359-016

COMM SE COR OF NW1/4, RUN N ALONG E LINE OF NW1/4, 343.13 FT TO POB, RUN W 1295.71 FT, N ALONG R/W OF CR-133, 672.85 FT

CORNERSTONE DEVELOPMENT GROUP LLC
180 NW AMENITY COURT
LAKE CITY FL 32025

15-4S-17-08359-016

Columbia County 2004 R
CARD 001 of 001
PRINTED 6/23/2004 8:41 BY JEFF
APPR 7/01/1996 AT

USE 000800 MOBILE HME AE? Y
MOD 2 MOBILE HME BATH 2.00
EXW 26 ALL SIDING FIXT
% N/A BDRM 2
RSTR 03 GABLE/HIP RMS
RCVR 03 COMP SHNGL UNTS
% N/A C-W%
INT 04 PLYWOOD HGHT
% N/A PMTR
FLR 14 CARPET STYS 1.0
10% 08 SHT VINYL ECON
HTTP 04 AIR DUCTED FUNC
A/C 03 CENTRAL SPCD
QUAL 03 AVERAGE DEPR 09
FNDN N/A UD-1 N/A
SIZE N/A UD-2 N/A
CEIL N/A UD-3 N/A
ARCH N/A UD-4 N/A
FRME 01 NONE UD-5 N/A
KTCH N/A UD-6 N/A
WNDO N/A UD-7 N/A
CLAS N/A UD-8 N/A
OCC N/A UD-9 N/A
COND N/A % N/A

SUB	A-AREA	%	E-AREA	SUB VALUE
BAS93	1512	100	1512	19617
UOP93	128	25	32	415
TOTAL	1640		1544	20032

1512 HTD AREA 106.000 INDEX 15417.00 NBHD
1544 EFF AREA 25.440 E-RATE 100.000 INDX
39279 RCN 1984 AYB
51.00 %GOOD 20,032 B BLDG VAL 1984 EYB

FIELD CK:
LOC: ---

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+--------------------56------------------+
IBAS1993                                 I
I                                        I
I                                        I
I                                        I
2                                        2
7                                        7
I                                        I
I                                        I
I                                        I
+------20-----+-----16----+36-----------+
              8UOP1993    8
              I           I
              +-----16----+
```

PROP USE 005000 IMPROVED AG
STR 15- 4S- 17
MKT AREA 01
(PUD1
AC 20.000
NTCD AG
APPR CD
CNDO
SUBD
BLK
LOT
MAP#
HX
TXDT 002

20,032	BLDG
5,750	XFOB
11,000	LAND
3,135	AG
95,000	MKAG
131,782	JUST
39,917	CLAS
0	SOHD
0	ASSD
0	EXPT
0	COTXB

BLDG TRAVERSE
BAS1993=W56 S27 E20 UOP1993=S8E16N8 W16$ 1 36 N27$.

PERMITS

NUMBER	DESC	AMT	ISSUED

SALE

BOOK	PAGE	DATE	PRICE
1012	49	4/08/2004 Q I	20500

GRANTOR TARDIFF
GRANTEE CORNERSTONE DEV GROUP LLC

GRANTOR
GRANTEE

EXTRA FEATURES

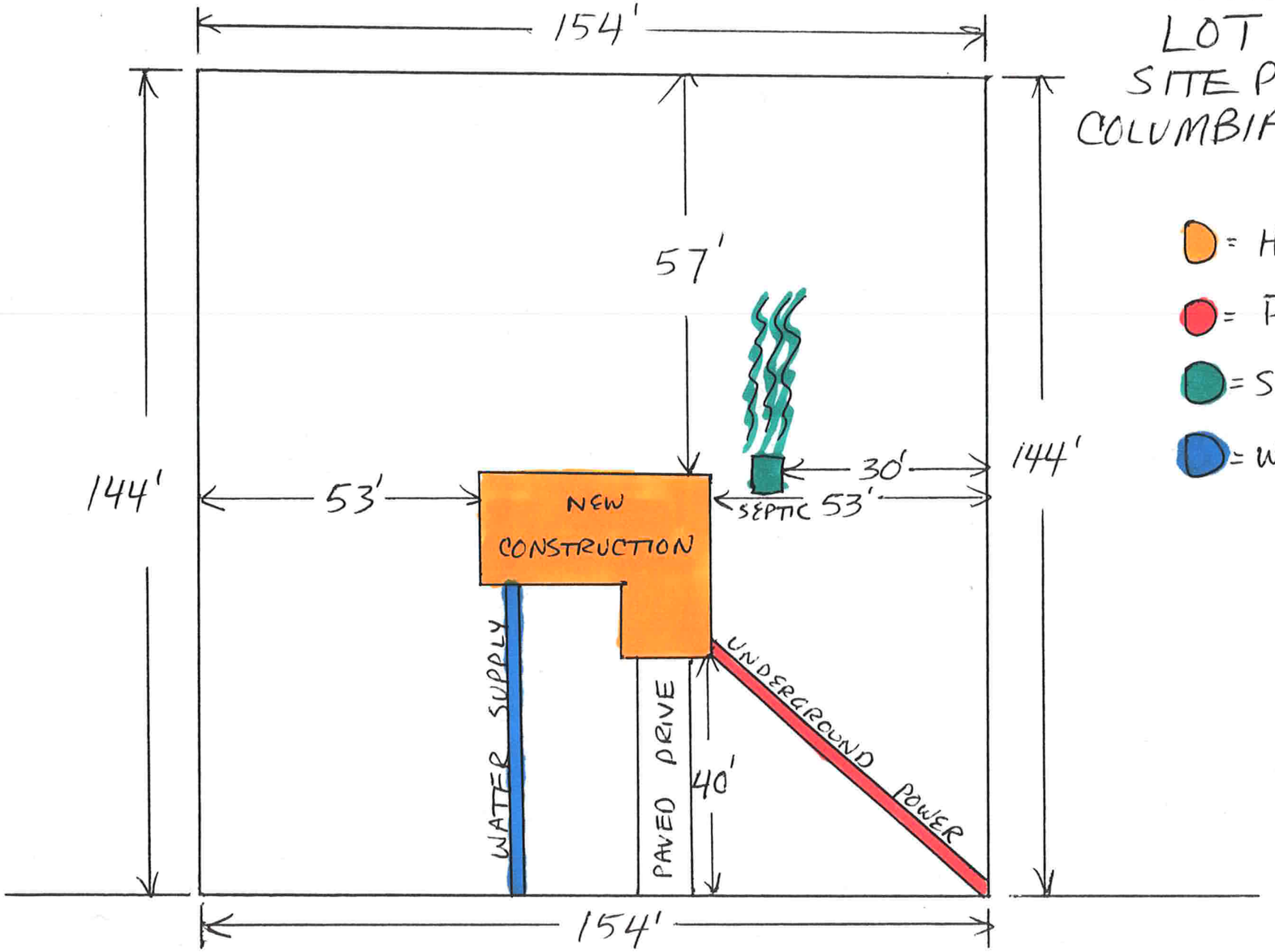
AE	BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ UT PR	SPCD %	%GOOD	XFOB VALUE
Y		0210	GARAGE U				1		0000	1.00	1.000	UT	5000.000	5000.000		100.00	5,000
Y		0070	CARPORT UF				1		0000	1.00	1.000	UT	750.000	750.000		100.00	750

FIELD CK:

AE	LAND CODE	DESC	ZONE	TOPO	ROAD	UTIL	UD1	UD2	UD3	UD4	FRONT	BACK	DEPTH	DT	ADJUSTMENTS	UNITS	UT	PRICE	ADJ UT PR	LAND VALUE
Y	000102	SFR/MH	A-1	0002	0003	0003					1.00	1.00	1.00	1.00	1.000	AC	9000.000	9000.00	9,000	
N	005200	CROPLAND 2	A-1	0002	0003	0003					1.00	1.00	1.00	1.00	19.000	AC	165.000	165.00	3,135AG	
N	009910	MKT.VAL.AG	A-1	0002	0003	0003					1.00	1.00	1.00	1.00	19.000	AC	5000.000	5000.00	95,000MK	
Y	009945	WELL/SEPT	A-1		0003	0003					1.00	1.00	1.00	1.00	1.000	UT	2000.000	2000.00	2,000	

L003 - NOT REC
2004

COUNTRY SIDE ESTATES
LOT 1
SITE PLAN
COLUMBIA, CO.



= HOME
= POWER
= SEPTIC
= WATER

FORM 600A-2001 EnergyGauge® 3.4

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**406297TheSamuelModel**	Builder:	**Bryan Zecher Construction**
Address:		Permitting Office:	
City, State:	**Lake City, FL**	Permit Number:	22692
Owner:	**The Samuel Model**	Jurisdiction Number:	221000
Climate Zone:	**North**		

1. New construction or existing		New	
2. Single family or multi-family		Single family	
3. Number of units, if multi-family		1	
4. Number of Bedrooms		3	
5. Is this a worst case?		Yes	
6. Conditioned floor area (ft²)		1500 ft²	
7. Glass area & type	Single Pane	Double Pane	
a. Clear glass, default U-factor	0.0 ft²	215.0 ft²	
b. Default tint, default U-factor	0.0 ft²	0.0 ft²	
c. Labeled U-factor or SHGC	0.0 ft²	0.0 ft²	
8. Floor types			
a. Slab-On-Grade Edge Insulation		R=0.0, 196.0(p) ft	
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Adjacent		R=13.0, 172.0 ft²	
b. Frame, Wood, Exterior		R=13.0, 1121.0 ft²	
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic		R=30.0, 1754.0 ft²	
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 150.0 ft	
b. N/A			

12. Cooling systems		
a. Central Unit	Cap: 34.0 kBtu/hr	
	SEER: 11.50	
b. N/A		
c. N/A		
13. Heating systems		
a. Electric Heat Pump	Cap: 34.0 kBtu/hr	
	HSPF: 7.40	
b. N/A		
c. N/A		
14. Hot water systems		
a. Electric Resistance	Cap: 40.0 gallons	
	EF: 0.93	
b. N/A		
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)		
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)		

Glass/Floor Area: 0.14

Total as-built points: 24080
Total base points: 24152

PASS

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

PREPARED BY: Evan Beamsley

DATE: 6/29/04 Evan Beamsley

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

OWNER/AGENT: _____

DATE: 6/4/04

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.

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

BUILDING OFFICIAL: _____

DATE: _____

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,**	PERMIT #:

BASE				AS-BUILT						
Summer Base Points:			**18386.9**	**Summer As-Built Points:**						**17600.2**
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
18386.9	**0.4266**		**7843.9**	17600.2 **17600.2**	1.000 **1.00**	(1.090 x 1.147 x 1.00) **1.250**	0.297 **0.297**	1.000 **1.000**		6530.5 **6530.5**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points	
.18	1500.0	12.74	3439.8	Double, Clear	SE	1.5	5.5	45.0	14.71	1.11	737.3	
				Double, Clear	S	14.0	7.0	10.0	13.30	3.51	466.1	
				Double, Clear	SE	11.5	5.3	45.0	14.71	2.52	1668.0	
				Double, Clear	E	8.0	7.0	10.0	18.79	1.32	249.0	
				Double, Clear	SW	1.5	1.5	3.0	16.74	1.60	80.3	
				Double, Clear	NW	9.0	7.5	6.0	24.30	1.03	149.8	
				Double, Clear	NW	1.5	5.5	30.0	24.30	1.00	731.9	
				Double, Clear	NW	1.5	8.0	30.0	24.30	1.00	729.4	
				Double, Clear	NE	1.5	3.5	6.0	23.57	1.02	144.2	
				Double, Clear	NE	1.5	5.5	30.0	23.57	1.01	712.7	
				As-Built Total:				**215.0**			**5668.7**	

WALL TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Adjacent	172.0	3.60	619.2	Frame, Wood, Adjacent	13.0	172.0	3.30	567.6
Exterior	1121.0	3.70	4147.7	Frame, Wood, Exterior	13.0	1121.0	3.40	3811.4
Base Total:	**1293.0**		**4766.9**	**As-Built Total:**		**1293.0**		**4379.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	11.50	230.0	Exterior Insulated	20.0	8.40	168.0
Exterior	40.0	12.30	492.0	Exterior Insulated	20.0	8.40	168.0
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**60.0**		**722.0**	**As-Built Total:**	**60.0**		**496.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	1500.0	2.05	3075.0	Under Attic	30.0	1754.0	2.05 X 1.00	3595.7
Base Total:	**1500.0**		**3075.0**	**As-Built Total:**		**1754.0**		**3595.7**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	196.0(p)	8.9	1744.4	Slab-On-Grade Edge Insulation	0.0	196.0(p	18.80	3684.8
Raised	0.0	0.00	0.0					
Base Total:			**1744.4**	**As-Built Total:**		**196.0**		**3684.8**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	1500.0	-0.59	-885.0	1500.0	-0.59	-885.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FL,	PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**12863.1**	**Winter As-Built Points:**					**16939.2**
Total Winter Points	X System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points
12863.1	**0.6274**	**8070.3**	16939.2 **16939.2**	1.000 **1.00**	(1.069 x 1.169 x 1.00) **1.250**	0.461 **0.461**	1.000 **1.000**	9754.5 **9754.5**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **, Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
3		2746.00	8238.0	40.0	0.93	3	1.00	2598.37	1.00	7795.1	
				As-Built Total:						**7795.1**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
7844	**8070**	**8238**	**24152**	**6530**	**9755**	**7795**	**24080**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , **Lake City, FL,**	PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 6-12. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.8

The higher the score, the more efficient the home.

The Samuel Model, , Lake City, FL,

1.	New construction or existing		New		12.	Cooling systems
2.	Single family or multi-family		Single family		a.	Central Unit
3.	Number of units, if multi-family		1			
4.	Number of Bedrooms		3		b.	N/A
5.	Is this a worst case?		Yes			
6.	Conditioned floor area (ft²)		1500 ft²		c.	N/A
7.	Glass area & type	Single Pane	Double Pane			
a.	Clear glass, default U-factor	0.0 ft²	215.0 ft²		13.	Heating systems
b.	Default tint, default U-factor	0.0 ft²	0.0 ft²		a.	Electric Heat Pump
c.	Labeled U-factor or SHGC	0.0 ft²	0.0 ft²			
8.	Floor types				b.	N/A
a.	Slab-On-Grade Edge Insulation		R=0.0, 196.0(p) ft			
b.	N/A				c.	N/A
c.	N/A					
9.	Wall types				14.	Hot water systems
a.	Frame, Wood, Adjacent		R=13.0, 172.0 ft²		a.	Electric Resistance
b.	Frame, Wood, Exterior		R=13.0, 1121.0 ft²			
c.	N/A				b.	N/A
d.	N/A					
e.	N/A				c.	Conservation credits
10.	Ceiling types					(HR-Heat recovery, Solar
a.	Under Attic		R=30.0, 1754.0 ft²			DHP-Dedicated heat pump)
b.	N/A				15.	HVAC credits
c.	N/A					(CF-Ceiling fan, CV-Cross ventilation,
11.	Ducts					HF-Whole house fan,
a.	Sup: Unc. Ret: Unc. AH: Garage		Sup. R=6.0, 150.0 ft			PT-Programmable Thermostat,
b.	N/A					MZ-C-Multizone cooling,
						MZ-H-Multizone heating)

12. Cooling systems	
a. Central Unit	Cap: 34.0 kBtu/hr
	SEER: 11.50
b. N/A	
c. N/A	
13. Heating systems	
a. Electric Heat Pump	Cap: 34.0 kBtu/hr
	HSPF: 7.40
b. N/A	
c. N/A	
14. Hot water systems	
a. Electric Resistance	Cap: 40.0 gallons
	EF: 0.93
b. N/A	
c. Conservation credits	
(HR-Heat recovery, Solar DHP-Dedicated heat pump)	
15. HVAC credits	
(CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: 8/11/04

Address of New Home: Country Side Est City/FL Zip: LC, FL

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

EnergyGauge® (Version: FLR2PB v3.4)

Residential System Sizing Calculation

Summary

The Samuel Model

Lake City, FL

Project Title:
406297TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

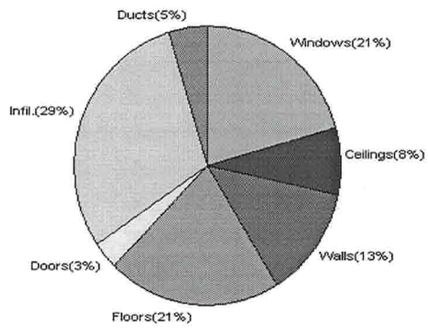
6/29/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)					
Winter design temperature	31	F	Summer design temperature	93	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	39	F	Summer temperature difference	18	F
Total heating load calculation	**29218**	**Btuh**	**Total cooling load calculation**	**27764**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	116.4	34000	Sensible (SHR = 0.75)	125.6	25500
Heat Pump + Auxiliary(0.0kW)	116.4	34000	Latent	113.9	8500
			Total (Electric Heat Pump)	122.5	34000

WINTER CALCULATIONS

Winter Heating Load (for 1500 sqft)

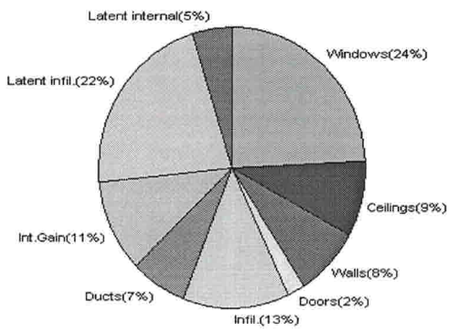
Load component			Load	
Window total	215	sqft	6085	Btuh
Wall total	1293	sqft	3750	Btuh
Door total	60	sqft	921	Btuh
Ceiling total	1754	sqft	2280	Btuh
Floor total	196	ft	6194	Btuh
Infiltration	200	cfm	8597	Btuh
Subtotal			**27827**	**Btuh**
Duct loss			1391	Btuh
TOTAL HEAT LOSS			**29218**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1500 sqft)

Load component			Load	
Window total	215	sqft	6757	Btuh
Wall total	1293	sqft	2129	Btuh
Door total	60	sqft	608	Btuh
Ceiling total	1754	sqft	2491	Btuh
Floor total			0	Btuh
Infiltration	175	cfm	3472	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			**18457**	**Btuh**
Duct gain			1846	Btuh
Total sensible gain			**20303**	**Btuh**
Latent gain(infiltration)			6081	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			**7461**	**Btuh**
TOTAL HEAT GAIN			**27764**	**Btuh**



EnergyGauge® System Sizing based on ACCA Manual J.
PREPARED BY: 6/29/04
DATE: 6/29/04

System Sizing Calculations - Winter

Residential Load - Component Details

The Samuel Model | Project Title: 406297TheSamuelModel | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F | 6/29/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
2	2, Clear, Metal, DEF	NE	10.0	28.3	283 Btuh
3	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
4	2, Clear, Metal, DEF	NW	10.0	28.3	283 Btuh
5	2, Clear, Metal, DEF	E	3.0	28.3	85 Btuh
6	2, Clear, Metal, DEF	S	6.0	28.3	170 Btuh
7	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
8	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
9	2, Clear, Metal, DEF	W	6.0	28.3	170 Btuh
10	2, Clear, Metal, DEF	W	30.0	28.3	849 Btuh
	Window Total		215		6085 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	172	1.6	275 Btuh
2	Frame - Exterior	13.0	1121	3.1	3475 Btuh
	Wall Total		1293		3750 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		20	18.3	367 Btuh
2	Insulated - Exter		20	18.3	367 Btuh
3	Insulated - Adjac		20	9.4	188 Btuh
	Door Total		60		921Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1754	1.3	2280 Btuh
	Ceiling Total		1754		2280Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	196.0 ft(p)	31.6	6194 Btuh
	Floor Total		196		6194 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	15000(sqft)	200	8597 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			200	8597 Btuh

Totals for Heating	**Subtotal**	**27827 Btuh**
	Duct Loss(using duct multiplier of 0.05)	**1391 Btuh**
	Total Btuh Loss	**29218 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

The Samuel Model	Project Title: 406297TheSamuelModel	Class 3 Rating
		Registration No. 0
Lake City, FL		Climate: North
		6/29/2004

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)
Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

The Samuel Model
Lake City, FL

Project Title:
406297TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults)
Summer Temperature Difference: 18.0 F
6/29/2004

Window	Type Panes/SHGC/U/InSh/ExSh	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load	
1	2, Clear, DEF, N, N	N	1.5	5.5	45.0	0.0	45.0	22	22	990	Btuh
2	2, Clear, DEF, N, N	NE	14	7	10.0	0.0	10.0	22	50	500	Btuh
3	2, Clear, DEF, N, N	N	11.5	5.25	45.0	0.0	45.0	22	22	990	Btuh
4	2, Clear, DEF, N, N	NW	8	7	10.0	0.0	10.0	22	50	500	Btuh
5	2, Clear, DEF, N, N	E	1.5	1.5	3.0	2.5	0.5	22	72	92	Btuh
6	2, Clear, DEF, N, N	S	9	7.5	6.0	6.0	0.0	22	37	132	Btuh
7	2, Clear, DEF, N, N	S	1.5	5.5	30.0	30.0	0.0	22	37	660	Btuh
8	2, Clear, DEF, N, N	S	1.5	8	30.0	30.0	0.0	22	37	660	Btuh
9	2, Clear, DEF, N, N	W	1.5	3.5	6.0	0.5	5.5	22	72	408	Btuh
10	2, Clear, DEF, N, N	W	1.5	5.5	30.0	6.7	23.3	22	72	1825	Btuh
	Window Total				215					6757	Btuh

Walls	Type	R-Value	Area	HTM	Load	
1	Frame - Adjacent	13.0	172.0	1.0	179	Btuh
2	Frame - Exterior	13.0	1121.0	1.7	1951	Btuh
	Wall Total		1293.0		2129	Btuh

Doors	Type	Area	HTM	Load	
1	Insulated - Exter	20.0	10.1	203	Btuh
2	Insulated - Exter	20.0	10.1	203	Btuh
3	Insulated - Adjac	20.0	10.1	203	Btuh
	Door Total	60.0		608	Btuh

Ceilings	Type/Color	R-Value	Area	HTM	Load	
1	Under Attic/Dark	30.0	1754.0	1.4	2491	Btuh
	Ceiling Total		1754.0		2491	Btuh

Floors	Type	R-Value	Size	HTM	Load	
1	Slab-On-Grade Edge Insulation	0.0	196.0 ft(p)	0.0	0	Btuh
	Floor Total		196.0		0	Btuh

Infiltration	Type	ACH	Volume	CFM=	Load	
	Natural	0.70	15000	175.4	3472	Btuh
	Mechanical			0	0	Btuh
	Infiltration Total			175	3472	Btuh

Internal gain		Occupants		Btuh/occupant		Appliance	Load	
		6	X	300	+	1200	3000	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

The Samuel Model

Lake City, FL

Project Title:
406297TheSamuelModel

Class 3 Rating
Registration No. 0
Climate: North

6/29/2004

Totals for Cooling	**Subtotal**	**18457**	**Btuh**
	Duct gain(using duct multiplier of 0.10)	**1846**	**Btuh**
	Total sensible gain	**20303**	**Btuh**
	Latent infiltration gain (for 51 gr. humidity difference)	**6081**	**Btuh**
	Latent occupant gain (6 people @ 230 Btuh per person)	**1380**	**Btuh**
	Latent other gain	**0**	**Btuh**
	TOTAL GAIN	**27764**	**Btuh**

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000000501

DATE 01/12/2005 PARCEL ID # 15-4S-17-08359-016

APPLICANT CHRIS COX PHONE 8670633

ADDRESS P.O. BOX 815 LAKE CITY FL 32056

OWNER CORNERSTONE DEV. GROUP/ZECHER PHONE 752-8653

ADDRESS 165 SE VICTORIA GLEN LAKE CITY FL 32055

CONTRACTOR BRYAN ZECHER PHONE 752-8693

LOCATION OF PROPERTY BAYA AVE, TR ON OLD COUNTRY CLUB ROAD, 3 MILES ON LEFT. TL ON VICTORIA GLEN, 1ST LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT COUNTRY SIDES 1

SIGNATURE Chris W. Cox

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

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

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

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 15-4S-17-08359-016 **Building permit No.** 000022692

Use Classification SFD,UTILITY **Fire:** 65.12

Permit Holder BRYAN ZECHER **Waste:** 134.75

Owner of Building CORNERSTONE DEVELOPMENT GROUP/ZECHER **TOTAL** 199.87

Location: 165 SE VICTORIA GLEN(COUNTRY SIDES EST., LOT 1)

Date: 11/09/2005

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

UNIVERSAL
ENGINEERING SCIENCES
Consultant In: Geotechnical Engineering,
Environmental Sciences, Construction Materials Testing
4475 SW 35th Terrace, Gainesville, Florida 32608 (352) 372-3392

Project No.: 27915-001-01
Report No.: 3546
Date: June 30, 2005

REPORT ON
IN-PLACE DENSITY TESTS

#22692

Client: Cornerstone Development
P.O. Box 1867
Lake City, FL 32056

Project: Country Side Estates, Lot No. 1, Permit Not Posted, Lake City, Columbia County, FL

Area Tested: Fill Beneath Proposed Building Pad

Course: Final Grade

Depth of Test: 0-1'

Type of Test: ASTM D-2922

Date Tested: 06-30-05

Remarks: The tests below meet the minimum 95 percent relative soil compaction requirement of Laboratory Modified Proctor maximum dry density. (ASTM D-1557)

TEST LOCATION	LABORATORY RESULTS		FIELD TEST RESULTS		
Description of Test Location	Maximum Density (pcf)	Optimum Moisture (%)	Dry Density (pcf)	Field Moisture (%)	Soil Compaction (%)
1. Approximate Center of Pad	112.0	11.0	109.3	6.4	97.6
2. Approximately 10' Southeast of Northwest Corner of Pad	112.0	11.0	107.5	6.3	96.0
3. Approximately 10' Northwest of Southeast Corner of Pad	112.0	11.0	108.0	7.0	96.4

7/1/05

Technician: DM/jk

Andrew T. Schmid, P.E.
FL Professional Engineer No. 56022

Notice of Treatment 11543

Applicator: Florida Pest Control & Chemical Co. (www.flapest .com)
Address: 604 Bay Ave
City Lake City Phone

Site Location: Subdivision Countryside Est. #22692
Lot # 1 Block# Permit # not on site
Address 165 SE Victoria Glen

Product used	Active Ingredient	% Concentration
☐ Dursban TC	Chlorpyrifos	0.5%
☐ Termidor	Fipronil	0.06%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☐ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Dwelling	1832	584	4

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

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

9-2-05	1530	F254 Gunny
Date	Time	Print Technician's Name

Remarks:

Applicator - White Permit File - Canary Permit Holder - Pink
6/04 ©