

DATE 12/14/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022597

APPLICANT LINDA RODER

PHONE 752-2281

ADDRESS 387 SW KEMP COURT

LAKE CITY

FL 32024

OWNER LEON ELLIS

PHONE 758-2003

ADDRESS 237 SE LINDALE GLEN

LAKE CITY

FL 32025

CONTRACTOR STEVE KLANDERS

PHONE 867-0031

LOCATION OF PROPERTY BAYA AVE, TR ON OLD COUNTRY CLUB RD, 2 MILES ON LEFT, TL ON LINDALE GLEN, 6TH ON LEFT

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 66200.00

HEATED FLOOR AREA 1324.00 TOTAL AREA 1854.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING RSF-2 MAX. HEIGHT 17

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 03-4S-17-07486-106

SUBDIVISION HAIGHT ASHBURY

LOT 6 BLOCK PHASE UNIT TOTAL ACRES .50

000000476

N

CBC053047

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

CULVERT PERMIT

04-1074-N

BK

JK

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 1033

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 \$ 335.00 CERTIFICATION FEE \$ 9.27 SURCHARGE FEE \$ 9.27

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

FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 TOTAL FEE 428.54

INSPECTORS OFFICE

CLERKS OFFICE

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

Revised 9-23-04

For Office Use Only	Application # <u>0410-69</u>	Date Received <u>10/27/04</u>	By <u>G</u>	Permit # <u>476/22597</u>
Application Approved by - Zoning Official <u>BLK</u>		Date <u>10.11.04</u>	Plans Examiner	Date
Flood Zone <u>Xperplat</u>	Development Permit <u>N/A</u>	Zoning <u>RSF-2</u>	Land Use Plan Map Category <u>RES. Low Dev.</u>	
Comments <u>Need EIT & T1055</u>				

Applicants Name Linda Roder Phone 386-752-2281
Address 387 S.W. Kemp Ct. Lake City FL 32024
Owners Name Leon Ellis Phone
911 Address 237 S.E. Lindale Glen Lake City FL 32025
Contractors Name Steve Klanders Construction Phone 867-0031
Address P.O. Box 1473 Lake City FL 32056
Fee Simple Owner Name & Address Na
Bonding Co. Name & Address Na
Architect/Engineer Name & Address David Disosway / Mark Disosway
Mortgage Lenders Name & Address Ben Ellis 273 N.W. Main Blvd Lake City FL 32056
Circle the correct power company FL Power & Light Clay Elec. Suwannee Valley Elec. Progressive Energy
Property ID Number 67486-106 03-45-17 Estimated Cost of Construction 60,000
Subdivision Name Haight Ashbury Lot 6 Block Unit Phase
Driving Directions Take Baya to Old Country Club Rd, Turn Right, go 2 miles, Turn L on Haight Ashbury, Lot on left
Type of Construction SFD Number of Existing Dwellings on Property 0
Total Acreage .5 Lot Size Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 60' Side 25' Side 25' Rear 50'
Total Building Height 17' Number of Stories 1 Heated Floor Area 1324 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 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.

Owner Builder or Agent (Including Contractor) Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me
this _____ day of _____ 20____.
Personally known _____ or Produced Identification _____

Contractor Signature
Contractors License Number CBC 053047
Competency Card Number
NOTARY STAMP/SEAL

Linda R. Roder
Notary Signature

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: EllisSpec, Lot 8
Address: Lot: 8 Sub: Haight Ashbury, Plat:
City, State: Lake City, FL 32055-
Owner: Spec House
Climate Zone: North

Builder: Klanders Construction
Permitting Office: _____
Permit Number: 22597
Jurisdiction Number: 221000

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 27.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1356 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft ² 139.0 ft ²	a. Electric Heat Pump	Cap: 27.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft ² 0.0 ft ²		HSPF: 7.10
c. Labeled U-factor or SHGC	0.0 ft ² 0.0 ft ²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 160.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Adjacent	R=13.0, 262.0 ft ²	c. Conservation credits	
b. Frame, Wood, Exterior	R=13.0, 1024.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1357.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 140.0 ft		
b. N/A			

Glass/Floor Area: 0.10

Total as-built points: 22608

Total base points: 23203

PASS

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

PREPARED BY: Muh OsasanyDATE: 11/06/04

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1356.0	20.04	4891.4	Double, Clear	E	1.5	5.5	40.0	42.06	0.90	1507.9
				Double, Clear	E	1.5	3.5	9.0	42.06	0.78	293.6
				Double, Clear	E	1.5	5.5	30.0	42.06	0.90	1131.0
				Double, Clear	E	1.5	1.5	3.0	42.06	0.52	65.3
				Double, Clear	W	5.5	8.0	30.0	38.52	0.63	726.2
				Double, Clear	W	1.5	6.5	24.0	38.52	0.93	857.2
				Double, Clear	N	1.5	8.0	3.0	19.20	0.97	55.7
				As-Built Total:			139.0			4637.0	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	262.0	0.70	183.4	Frame, Wood, Adjacent	13.0			262.0	0.60	157.2	
Exterior	1024.0	1.70	1740.8	Frame, Wood, Exterior	13.0			1024.0	1.50	1536.0	
Base Total: 1286.0 1924.2				As-Built Total:			1286.0			1693.2	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated	60.0 4.10 246.0						
Exterior	60.0	6.10	366.0								
Base Total: 60.0 366.0				As-Built Total:			60.0			246.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1357.0	1.73	2347.6	Under Attic	30.0			1357.0	1.73 X 1.00	2347.6	
Base Total: 1357.0 2347.6				As-Built Total:			1357.0			2347.6	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	160.0(p)	-37.0	-5920.0	Slab-On-Grade Edge Insulation	0.0			160.0(p)	-41.20	-6592.0	
Raised	0.0	0.00	0.0								
Base Total: -5920.0				As-Built Total:			160.0			-6592.0	
INFILTRATION Area X BSPM = Points				Area X SPM = Points							
1356.0 10.21 13844.8				1356.0 10.21 13844.8							

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 17453.9				Summer As-Built Points: 16176.5						
Total Summer Points	X	System Multiplier	= Cooling Points	Total Component	X	Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Cooling Points
				(DM x DSM x AHU)						
17453.9		0.4266	7445.8	16176.5		1.000	(1.090 x 1.147 x 1.00)	0.341	1.000	6902.6
				16176.5		1.00	1.250	0.341	1.000	6902.6

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055- PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1356.0	12.74	3109.6	Double, Clear	E	1.5	5.5	40.0	18.79	1.04	782.8
				Double, Clear	E	1.5	3.5	9.0	18.79	1.09	185.0
				Double, Clear	E	1.5	5.5	30.0	18.79	1.04	587.1
				Double, Clear	E	1.5	1.5	3.0	18.79	1.29	72.5
				Double, Clear	W	5.5	8.0	30.0	20.73	1.12	698.8
				Double, Clear	W	1.5	6.5	24.0	20.73	1.02	507.3
				Double, Clear	N	1.5	8.0	3.0	24.58	1.00	73.8
				As-Built Total:		139.0				2907.2	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	262.0	3.60	943.2	Frame, Wood, Adjacent	13.0		262.0	3.30	864.6		
Exterior	1024.0	3.70	3788.8	Frame, Wood, Exterior	13.0		1024.0	3.40	3481.6		
Base Total: 1286.0 4732.0				As-Built Total:		1286.0				4346.2	
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			60.0	8.40	504.0		
Exterior	60.0	12.30	738.0								
Base Total: 60.0 738.0				As-Built Total:		60.0				504.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1357.0	2.05	2781.8	Under Attic	30.0		1357.0	2.05 X 1.00	2781.8		
Base Total: 1357.0 2781.8				As-Built Total:		1357.0				2781.8	
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	160.0(p)	8.9	1424.0	Slab-On-Grade Edge Insulation	0.0		160.0(p)	18.80	3008.0		
Raised	0.0	0.00	0.0								
Base Total: 1424.0				As-Built Total:		160.0				3008.0	
INFILTRATION Area X BWPM = Points				Area X WPM = Points							
1356.0 -0.59 -800.0				1356.0 -0.59 -800.0							

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 11985.4				Winter As-Built Points: 12747.2						
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
11985.4		0.6274	7519.6	12747.2		1.000	(1.069 x 1.169 x 1.00)	0.480	1.000	7650.8
				12747.2		1.00	1.250	0.480	1.000	7650.8

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE					AS-BUILT				
WATER HEATING									
Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	Multiplier X Credit Multiplier = Total
3		2746.00		8238.0	40.0	0.90	3	1.00	2684.98 1.00 8054.9
					As-Built Total:				8054.9

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling Points	+	Heating Points	+	Hot Water Points = Total Points	Cooling Points	+	Heating Points	+	Hot Water Points = Total Points
7446		7520		8238 23203	6903		7651		8055 22608

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

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.

Spec House, Lot: 8, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 27.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	1356 ft ²		
7. Glass area & type	Single Pane Double Pane	13. Heating systems	
a. Clear glass, default U-factor	0.0 ft ² 139.0 ft ²	a. Electric Heat Pump	Cap: 27.0 kBtu/hr
b. Default tint, default U-factor	0.0 ft ² 0.0 ft ²		HSPF: 7.10
c. Labeled U-factor or SHGC	0.0 ft ² 0.0 ft ²	b. N/A	
8. Floor types		c. N/A	
a. Slab-On-Grade Edge Insulation	R=0.0, 160.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 40.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Adjacent	R=13.0, 262.0 ft ²	c. Conservation credits	
b. Frame, Wood, Exterior	R=13.0, 1024.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 1357.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Doors			
a. Sup; Unc. Ret; Unc. Att; Garage	Sup. R=6.0, 140.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs. Energy Gauge 8.1X version: FLR2PB v3.4)*

Residential System Sizing Calculation

Summary

Project Title:
410184SpecLot10-6

Class 3 Rating
Registration No. 0
Climate: North

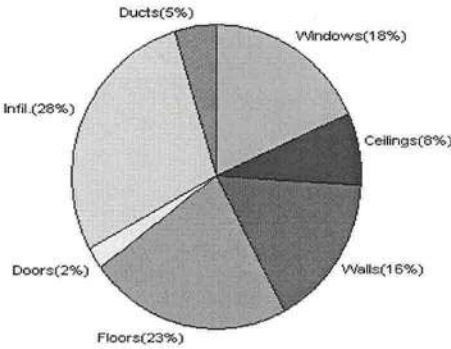
10/27/2004

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	22310 Btuh	Total cooling load calculation	21383 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	116.5 26000	Sensible (SHR = 0.75)	124.9 19500
Heat Pump + Auxiliary(0.0kW)	116.5 26000	Latent	112.6 6500
		Total (Electric Heat Pump)	121.6 26000

WINTER CALCULATIONS

Winter Heating Load (for 1354 sqft)

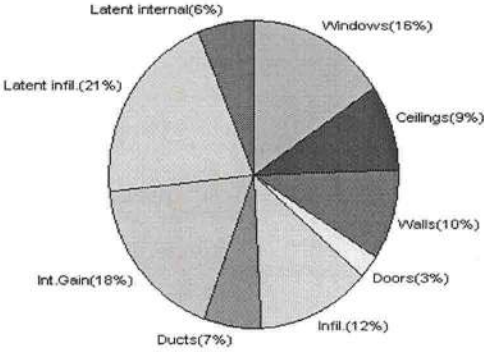
Load component		Load
Window total	145 sqft	4104 Btuh
Wall total	1286 sqft	3594 Btuh
Door total	56 sqft	526 Btuh
Ceiling total	1354 sqft	1760 Btuh
Floor total	160 ft	5056 Btuh
Infiltration	145 cfm	6208 Btuh
Subtotal		21248 Btuh
Duct loss		1062 Btuh
TOTAL HEAT LOSS		22310 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1354 sqft)

Load component		Load
Window total	145 sqft	3340 Btuh
Wall total	1286 sqft	2054 Btuh
Door total	56 sqft	568 Btuh
Ceiling total	1354 sqft	1923 Btuh
Floor total		0 Btuh
Infiltration	127 cfm	2507 Btuh
Internal gain		3800 Btuh
Subtotal(sensible)		14192 Btuh
Duct gain		1419 Btuh
Total sensible gain		15611 Btuh
Latent gain(infiltration)		4391 Btuh
Latent gain(internal)		1380 Btuh
Total latent gain		5771 Btuh
TOTAL HEAT GAIN		21383 Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE:

10/26/04

EnergyGauge® FLR2PB v3.4

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House
Lot 7, Haight Ashbury
Lake City, FL 32055-

Project Title:
410184SpecLot10

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 39.0 F

10/27/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
2	2, Clear, Metal, DEF	N	9.0	28.3	255 Btuh
3	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
4	2, Clear, Metal, DEF	N	3.0	28.3	85 Btuh
5	2, Clear, Metal, DEF	S	36.0	28.3	1019 Btuh
6	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
7	2, Clear, Metal, DEF	E	3.0	28.3	85 Btuh
Window Total			145		4104 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	262	1.6	419 Btuh
2	Frame - Exterior	13.0	1024	3.1	3174 Btuh
Wall Total			1286		3594 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjac		40	9.4	376 Btuh
2	Insulated - Adjac		16	9.4	150 Btuh
Door Total			56		526Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1354	1.3	1760 Btuh
Ceiling Total			1354		1760Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	160.0 ft(p)	31.6	5056 Btuh
Floor Total			160		5056 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	10832(sqft)	145	6208 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				145	6208 Btuh

Totals for Heating	Subtotal	21248 Btuh
	Duct Loss(using duct multiplier of 0.05)	1062 Btuh
	Total Btuh Loss	22310 Btuh

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

Spec House
Lot 7, Haight Ashbury
Lake City, FL 32055-

Project Title:
410184SpecLot10

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

10/27/2004

Window	Type	Overhang		Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	5.5	40.0	0.0	40.0	22	22	880	Btuh
2	2, Clear, DEF, N, N	N	1.5	3.5	9.0	0.0	9.0	22	22	198	Btuh
3	2, Clear, DEF, N, N	N	1.5	5.5	30.0	0.0	30.0	22	22	660	Btuh
4	2, Clear, DEF, N, N	N	1.5	1.5	3.0	0.0	3.0	22	22	66	Btuh
5	2, Clear, DEF, N, N	S	5.5	8	36.0	36.0	0.0	22	37	792	Btuh
6	2, Clear, DEF, N, N	S	1.5	6.5	24.0	24.0	0.0	22	37	528	Btuh
7	2, Clear, DEF, N, N	E	1.5	8	3.0	0.0	3.0	22	72	216	Btuh
	Window Total				145					3340 Btuh	
Walls	Type		R-Value		Area			HTM		Load	
1	Frame - Adjacent		13.0		262.0			1.0		272 Btuh	
2	Frame - Exterior		13.0		1024.0			1.7		1782 Btuh	
	Wall Total				1286.0					2054 Btuh	
Doors	Type				Area			HTM		Load	
1	Insulated - Adjac				40.0			10.1		406 Btuh	
2	Insulated - Adjac				16.0			10.1		162 Btuh	
	Door Total				56.0					568 Btuh	
Ceilings	Type/Color		R-Value		Area			HTM		Load	
1	Under Attic/Dark		30.0		1354.0			1.4		1923 Btuh	
	Ceiling Total				1354.0					1923 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab-On-Grade Edge Insulation		0.0		160.0 ft(p)			0.0		0 Btuh	
	Floor Total				160.0					0 Btuh	
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.70		10832			126.6		2507 Btuh	
	Mechanical							0		0 Btuh	
	Infiltration Total							127		2507 Btuh	

Internal gain	Occupants		Btuh/occupant		Appliance	Load
	6		X 300 +			
					2000	3800 Btuh

Totals for Cooling	Subtotal	14192 Btuh
	Duct gain(using duct multiplier of 0.10)	1419 Btuh
	Total sensible gain	15611 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	4391 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	21383 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House
Lot 7, Haight Ashbury
Lake City, FL 32055-

Project Title:
410184SpecLot10

Class 3 Rating
Registration No. 0
Climate: North

10/27/2004

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)

Lot 6 Haight Ashbury

NOTICE OF COMMENCEMENT

Inst:2004024156 Date:10/27/2004 Time:13:30

DC, P. DeWitt Cason, Columbia County B:1029 P:526

STATE OF FLORIDA
COUNTY OF Columbia

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.

Description of Property: Lot 6 Haight Ashbury
07-486-106 237 S.E. Lindale Glen Lake City FL 32025

General Description of Improvement: Single Family Dwelling

Owner Information:

a. Name and Address: Leon and Jeanie Ellis
1252 N. Florida Ave. Tarpon Springs Florida 34684
b. Interest in Property: owner

c. Name and Address of Fee Simple Titleholder (if other than owner):
NA

Contractor (name and address): Steve Klanders Construction
P.O. Box 1473 Lake City FL 32056 CBC 053047

Surety:

a. Name and Address: NA

Amount of Bond: NA

1. Other (name and address): Ben Ellis 273 N.W. Main Blvd Lake City, FL
32055

Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a)(7):

In addition to himself, owner designates:

to receive a copy of the Lessor's Notice as provided in Florida Statutes 713.13(1)(b).

Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording, unless a different date is specified):

prepared by & return to:
Linda Roder
387 S.W. Kemp Ct.
Lake City FL 32024

Type Owner Name: Leon Ellis

Type Owner Name:

AP in and subscribed before me this 26 day of October, 20 04

Witness Known ☒
Witness ID
Witness Not Take an Oath

Linda R. Roder
Type Notary's Name Linda R. Roder
Notary Public, State of Florida DD303275
Commission Expiry & Number: 3-24-08



Linda R. Roder
Commission #DD303275
Expires: Mar 24, 2008
Bonded Thru
Atlantic Bonding Co., Inc.

This Instrument Prepared by & return to:

Name: **NANCY AMY MURPHY, an employee of**

TITLE OFFICES, LLC

Address: **1089 SW MAIN BLVD.**

LAKE CITY, FLORIDA 32025

04Y-03110NM

Parcel I.D. #: **07486-001**

Inst:2004017790 Date:08/02/2004 Time:16:08

Doc Stamp-Deed : 525.00

mk DC,P.Dewitt Cason,Columbia County B:1022 P:1448

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 23rd day of July, A.D. 2004, by **EL RANCHO NO TENGO, INC.**, A FLORIDA CORPORATION, having its principal place of business at **1400 OLD COUNTRY CLUB RD, LAKE CITY, FL 32025**, hereinafter called the grantor, to **LEON H. ELLIS and JEANNIE B. ELLIS, HIS WIFE**, whose post office address is **1252 N. FLORIDA AVE., TARPON SPRINGS, FL., 34689**, hereinafter called the grantees:

(Wherever used herein the terms "grantor" and "grantees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in **Columbia County, State of FLORIDA**, viz:

Lots 5, 6, 7, 8, 9, & 10, **HAIGHT - ASHBURY**, according to the map or plat thereof as recorded in Plat Book 7, Page 185, of the Public Records of Columbia County, Florida.

SUBJECT TO RESTRICTIONS RECORDED IN OFFICIAL RECORDS BOOK 1018, PAGE 2402.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantor hereby covenants with said grantees that it is lawfully seized of said land in fee simple; that it has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

In Witness Whereof, the said grantor has caused these presents to be executed in its name and its corporate seal to be hereunto affixed by its proper officers thereunto duly authorized, the day and year first above written.

Signed, Sealed and delivered in the presence of:

Bonita Hadwin
Witness Signature

Bonita Hadwin
Printed Name

Nancy A. Murphy
Witness Signature

Nancy A. Murphy
Printed Name

EL RANCHO NO TENGO, INC.

By: *Jeffrey L. Hill* President
Name: **Jeffrey L. Hill**
Title: **President**

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 23rd day of July, 2004, by **Jeffrey L. Hill** as **President** of **EL RANCHO NO TENGO, INC., A FLORIDA CORPORATION**. He (she) is personally known to me or has produced *Perk known* as identification:



Bonita Hadwin
MY COMMISSION EXPIRES
07/01/07
BONITA HADWIN TRUST FIDELITY INSURANCE, INC.

Bonita Hadwin
Notary Public
My commission expires _____



**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000476**

DATE 12/14/2004 PARCEL ID # 03-4S-17-07486-106

APPLICANT LINDA RODER PHONE 752-2281

ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024

OWNER LEON ELLIS PHONE 758-2003

ADDRESS 237 SE LINDALE GLEN LAKE CITY FL 32025

CONTRACTOR STEVE KLANDERS PHONE 867-0031

LOCATION OF PROPERTY BAYA AVE, TR ON OLD COUNTRY CLUB RD, 2 MILES ON LEFT, TL ON
LINDALE GLEN, 6TH ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HAIGHT ASHBURY 6

SIGNATURE



INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length 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 INSTALLATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

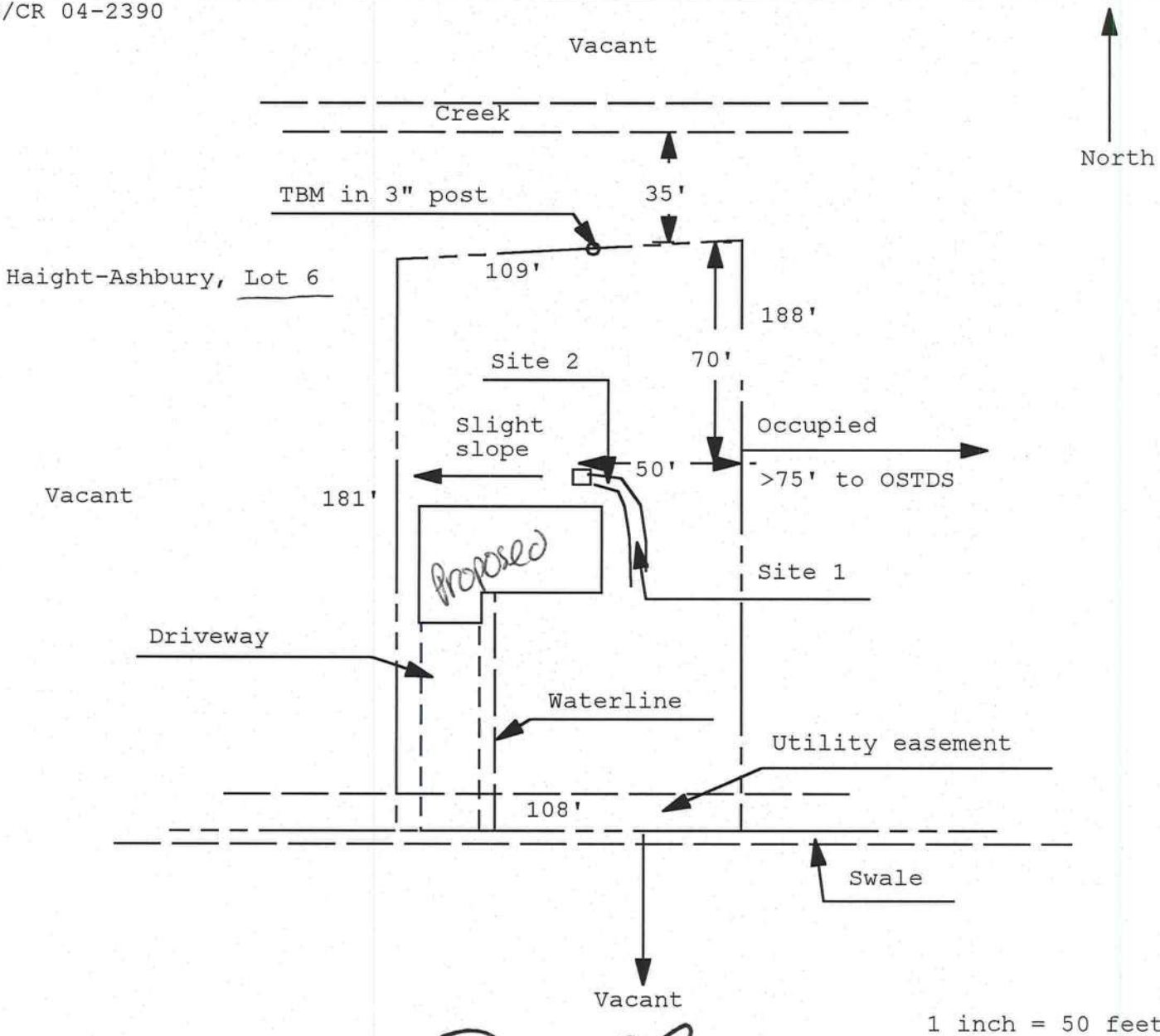
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00



Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-1074N
ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ELLIS/CR 04-2390



Site Plan Submitted By Paul Lloyd Date 10/29/04
Plan Approved ☒ Not Approved ☐ Date 10/29/04
By Paul Lloyd Jake Gule CPHU 12-14-04

Notes: _____

GLENBRANTNICK COMPANY 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 03-4S-17-07486-106

Building permit No. 000022597

Use Classification SFD, UTILITY

Fire: .00

Permit Holder STEVE KLANDERS

Waste: .00

Owner of Building LEON ELLIS

Total: .00

Location: 237 SE LINDALE GLEN(HAIGHT-ASHBURY, LOT 6)

Date: 09/21/2005

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

