

DATE 12/14/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022596

APPLICANT LINDA RODER

PHONE 752.2281

ADDRESS 387 SW KEMP COURT

LAKE CITY

FL 32024

OWNER LEON ELLIS

PHONE 758.2003

ADDRESS 315 SE LINDAL GLN

LAKE CITY

FL 3205

CONTRACTOR STEVE KLANDERUD

PHONE 867.0031

LOCATION OF PROPERTY E-BAYA TO OLD COUNTRY CLUB ROAD,TR, GO 2 MILES, TL ON HAIGHT
ASHBURY,END OF CUL-DE-SAC

TYPE DEVELOPMENT SFD & UTILITY

ESTIMATED COST OF CONSTRUCTION 66200.00

HEATED FLOOR AREA 1324.00

TOTAL AREA 1796.00

HEIGHT 16.50 STORIES 1

FOUNDATION CONC

WALLS FRAMED

ROOF PITCH 6'12

FLOOR CONC

LAND USE & ZONING RSF-2

MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00

REAR 15.00 SIDE 10.00

NO. EX.D.U. 0

FLOOD ZONE XPP

DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-17-07486-110

SUBDIVISION HAIGHT ASHBURY

LOT 10

BLOCK

PHASE

UNIT

TOTAL ACRES .50

000000477

CBC053047

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

18"X3'MITERED

04-1075-N

BLK

JDK

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: NOC ON FILE

REAR SETBACK TO BE MINIMUM OF 60' DUE TO WETLANDS BUFFER

SHOWN ON PLAT.

Check # or Cash 1034

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

date/app. by

Pool

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 \$ 335.00

CERTIFICATION FEE \$ 8.98

SURCHARGE FEE \$ 8.98

MISC. FEES \$.00

ZONING CERT. FEE \$ 50.00

FIRE FEE \$

WASTE FEE \$

FLOOD ZONE DEVELOPMENT FEE \$

CULVERT FEE \$ 25.00

TOTAL FEE 427.96

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 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 9-23-04

For Office Use Only Application # 0410-70 Date Received 10/21/04 By G Permit # 22596 (477)

Application Approved by - Zoning Official BSLK Date 10.11.04 Plans Examiner _____ Date _____

Flood Zone Xp101 Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Lw Dev

Comments REAR Setback to be minimum of 60' due to wetlands buffer shown on Plat SH / TRUSS

Applicants Name Linda Roder Phone 386-752-2281

Address 387 S.W. Kemp Ct.

Owners Name Leon Ellis Phone 758-2003

911 Address 315 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 213 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 07486-110 03-45-17 Estimated Cost of Construction 60,000

Subdivision Name Haight Ashbury Lot 10 Block _____ Unit _____ Phase _____

Driving Directions Take Bay 9 to Old Country Club Rd, Turn Right, go 2 miles, Turn left on Haight Ashbury, ~~turn left~~ end of Cul-de-sac -

Type of Construction Single Family Dwelling 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' min 60'

Total Building Height 16 1/2" 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) _____

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this _____ day of _____ 20____.

Personally known _____ or Produced Identification _____



Linda K. Roder
Commission #DD903273
Expires: Mar 24, 2008
Bonded Through
Atlantic Bonding Co., Inc.

Contractor Signature

Contractors License Number CBC 053047

Competency Card Number _____

NOTARY STAMP/SEAL

Notary Signature

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	410184SpecLot10	Builder:	Klanders Construction
Address:	Lot: 10, Sub: Haight Ashbury, Plat:	Permitting Office:	Columbia
City, State:	Lake City, FL 32055-	Permit Number:	22596
Owner:	Spec House	Jurisdiction Number:	221000
Climate Zone:	North		

- | | | | |
|-------------------------------------|-------------------------|--|-------------------|
| 1. New construction or existing | New | 12. Cooling systems | |
| 2. Single family or multi-family | Single family | a. Central Unit | Cap: 26.0 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 (ft²) | 1354 ft² | 13. Heating systems | |
| 7. Glass area & type | Single Pane Double Pane | a. Electric Heat Pump | Cap: 26.0 kBtu/hr |
| a. Clear glass, default U-factor | 0.0 ft² 145.0 ft² | | HSPF: 7.10 |
| b. Default tint, default U-factor | 0.0 ft² 0.0 ft² | b. N/A | |
| c. Labeled U-factor or SHGC | 0.0 ft² 0.0 ft² | c. N/A | |
| 8. Floor types | | 14. Hot water systems | |
| a. Slab-On-Grade Edge Insulation | R=0.0, 160.0(p) ft | a. Electric Resistance | Cap: 40.0 gallons |
| b. N/A | | | EF: 0.90 |
| c. N/A | | b. N/A | |
| 9. Wall types | | c. Conservation credits | |
| a. Frame, Wood, Adjacent | R=13.0, 262.0 ft² | (HR-Heat recovery, Solar | |
| b. Frame, Wood, Exterior | R=13.0, 1024.0 ft² | DHP-Dedicated heat pump) | |
| c. N/A | | 15. HVAC credits | |
| d. N/A | | (CF-Ceiling fan, CV-Cross ventilation, | |
| e. N/A | | HF-Whole house fan, | |
| 10. Ceiling types | | PT-Programmable Thermostat, | |
| a. Under Attic | R=30.0, 1354.0 ft² | MZ-C-Multizone cooling, | |
| b. N/A | | MZ-H-Multizone heating) | |
| c. N/A | | | |
| 11. Ducts | | | |
| a. Sup: Unc. Ret: Unc. AH: Garage | Sup. R=6.0, 140.0 ft | | |
| b. N/A | | | |

Glass/Floor Area: 0.11

Total as-built points: 22639

Total base points: 23026

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:** 10/22/04

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: 10, 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	1354.0	20.04	4884.1	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	36.0	38.52	0.63	871.5
				Double, Clear	W	1.5 6.5	24.0	38.52	0.93	857.2
				Double, Clear	S	1.5 8.0	3.0	35.87	0.92	99.3
				As-Built Total:			145.0			4825.9
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:				As-Built Total:			1286.0		1693.2	
DOOR TYPES Area X BSPM = Points				Type			Area X	SPM	= Points	
Adjacent	56.0	2.40	134.4	Adjacent Insulated			40.0	1.60	64.0	
Exterior	0.0	0.00	0.0	Adjacent Insulated			16.0	1.60	25.6	
Base Total:				As-Built Total:			56.0		89.6	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X	SPM X SCM	= Points	
Under Attic	1354.0	1.73	2342.4	Under Attic	30.0		1354.0	1.73 X 1.00	2342.4	
Base Total:				As-Built Total:			1354.0		2342.4	
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:				As-Built Total:			160.0		-6592.0	
INFILTRATION Area X BSPM = Points							Area X	SPM	= Points	
							1354.0	10.21	13824.3	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT											
Summer Base Points:		17189.5		Summer As-Built Points:						16183.4					
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)										
17189.5		0.4266		7333.0	16183.4		1.000		(1.090 x 1.147 x 1.00)		0.341		1.000		6905.5
					16183.4		1.00		1.250		0.341		1.000		6905.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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	1354.0	12.74	3105.0	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	36.0	20.73	1.12	838.6
				Double, Clear	W	1.5	6.5	24.0	20.73	1.02	507.3
				Double, Clear	S	1.5	8.0	3.0	13.30	1.04	41.5
				As-Built Total:							145.0
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	56.0	11.50	644.0	Adjacent Insulated				40.0	8.00	320.0	
Exterior	0.0	0.00	0.0	Adjacent Insulated				16.0	8.00	128.0	
Base Total:		56.0	644.0	As-Built Total:					56.0	448.0	
CEILING TYPES Area X BWPM = Points				Type	R-Value			Area X WPM X WCM = Points			
Under Attic	1354.0	2.05	2775.7	Under Attic	30.0			1354.0	2.05 X 1.00	2775.7	
Base Total:		1354.0	2775.7	As-Built Total:					1354.0	2775.7	
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				
		1354.0	-0.59						1354.0	-0.59	-798.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		11881.8		Winter As-Built Points:				12793.8			
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	
11881.8		0.6274	7454.7	12793.8		1.000	(1.069 x 1.169 x 1.00)	0.480	1.000	7678.7	
				12793.8		1.00	1.250	0.480	1.000	7678.7	

WATER HEATING & CODE COMPLIANCE STATUS
Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X Multiplier X Credit = Total
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier
Bedrooms									
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	+	Heating	+	Hot Water	=	Cooling	+	Heating	=
Points		Points		Points	Total	Points		Points	Total
Points		Points		Points	Points	Points		Points	Points
7333		7455		8238	23026	6906		7679	8055 22639

PASS



Residential System Sizing Calculation

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

Summary
Project Title:
410184SpecLot10

Class 3 Rating
Registration No. 0
Climate: North

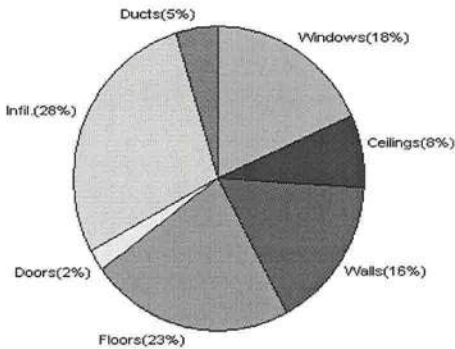
10/22/2004

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)

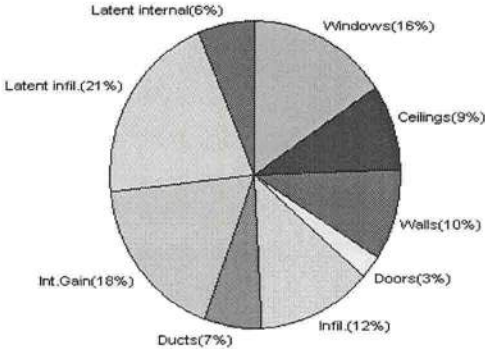
Load component		Load	
Window total	145 sqft	4104	Btuh
Wall total	1286 sqft	3594	Btuh
Door total	56 sqft	526	Btuh
Ceiling total	1354 sqft	1760	Btuh
Floor total	160 ft	5056	Btuh
Infiltration	145 cfm	6208	Btuh
Subtotal		21248	Btuh
Duct loss		1062	Btuh
TOTAL HEAT LOSS		22310	Btuh



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: *[Signature]*
DATE: 10/22/04

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

10/22/2004

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 10/22/2004

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	
	2	Frame - Exterior			13.0			1024.0			1.7	
	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	
	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	
	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

10/22/2004

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)

ENERGY PERFORMANCE LEVEL (EPL)
DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.7

The higher the score, the more efficient the home.

Spec House, Lot: 10, Sub: Haight Ashbury, Plat: , Lake City, FL, 32055-

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) 1354 ft²
7. Glass area & type Single Pane Double Pane
a. Clear glass, default U-factor 0.0 ft² 145.0 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, 160.0(p) ft
b. N/A
c. N/A
9. Wall types
a. Frame, Wood, Adjacent R=13.0, 262.0 ft²
b. Frame, Wood, Exterior R=13.0, 1024.0 ft²
c. N/A
d. N/A
e. N/A
10. Ceiling types
a. Under Attic R=30.0, 1354.0 ft²
b. N/A
c. N/A
11. Ducts
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 140.0 ft
b. N/A
12. Cooling systems
a. Central Unit Cap: 26.0 kBtu/hr SEER: 10.00
b. N/A
c. N/A
13. Heating systems
a. Electric Heat Pump Cap: 26.0 kBtu/hr HSPF: 7.10
b. N/A
c. N/A
14. Hot water systems
a. Electric Resistance Cap: 40.0 gallons EF: 0.90
b. N/A
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)

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

Builder Signature: Date:
Address of New Home: City/FL Zip:



*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar™ designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.
EnergyGauge® (Version: FLR2PB v3.4)

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 10, 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.	✓

Lot 10 Haight Ashbury

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

Inst: 2004024155 Date: 10/27/2004 Time: 13:30

DC, P. DeWitt Cason, Columbia County B: 1029 P: 525

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 10 Haight Ashbury 07486-110
315 S.E. Lindale Glen, Lake City, FL 32025

General Description of Improvement: Single Family Dwelling

Owner Information:

a. Name and Address: Leon & Jeanie Ellis
1292 N. Florida Ave. Tampa Springs, FL 34684

b. Interest in Property: Owner

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

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

Surety:

a. Name and Address: NA

b. Amount of Bond: NA

e. Lender (name and address): Ben Ellis 758-2003
273 N.W. Main Blvd. Lake City, FL 32055

f. 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): NA

g. Designated to himself, owner designates: _____

h. I enclose a copy of the Lessor's Notice as provided in Florida Statutes 713.13(1)(b).

i. 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: _____

Witnessed and subscribed before me this 27 day of October, 20 04

Witness Known ☒

Witness ID _____

Witness Did Not Take an Oath _____



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

Linda R. Roder

Type Notary's Name Linda R. Roder

Notary Public, State of Florida

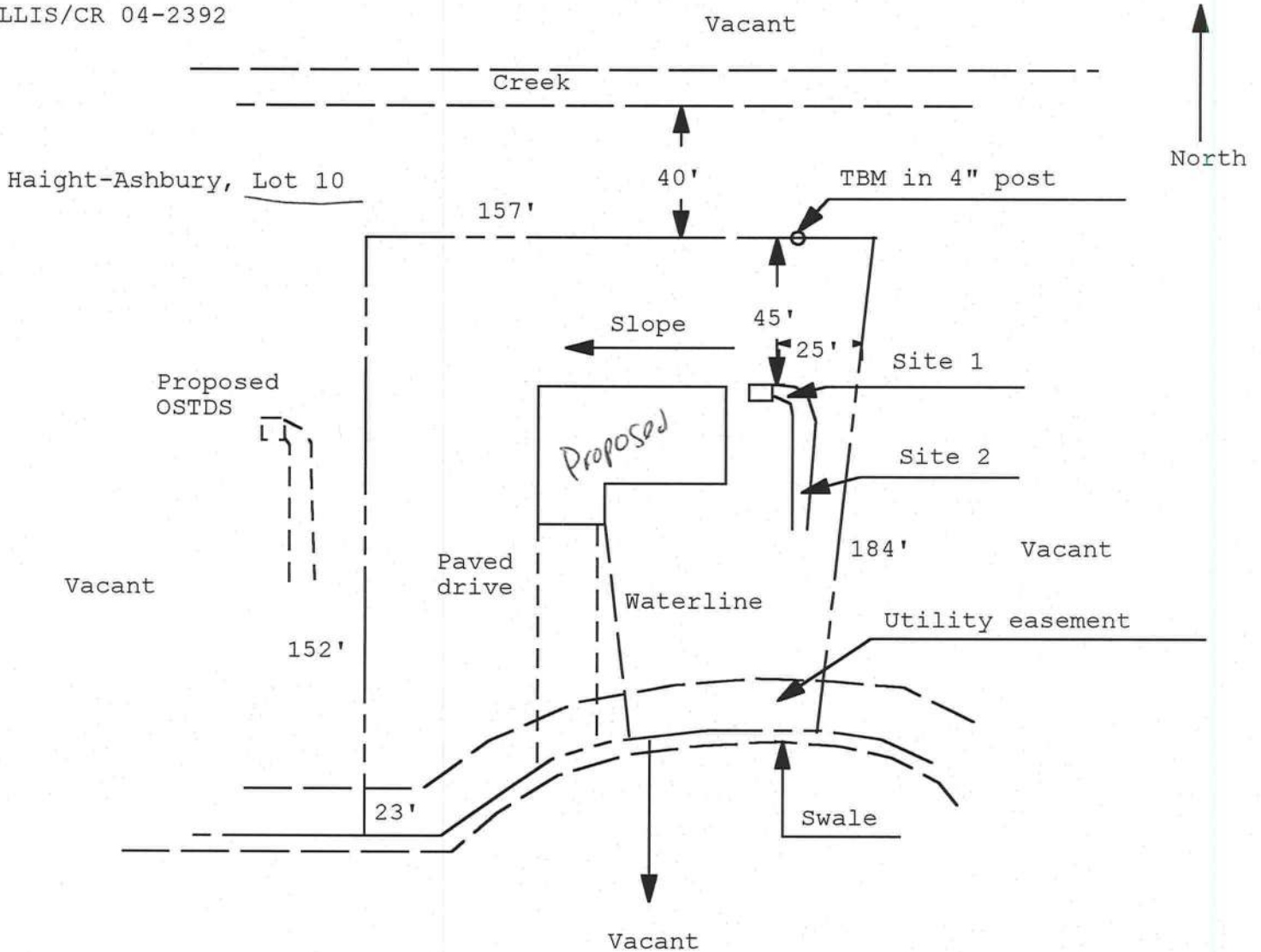
Commission Expiry & Number: DD303275

Leon Ellis

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 04-1075N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

ELLIS/CR 04-2392



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 10/29/04
Plan Approved Not Approved Date 10/29/04
By Paul Lloyd Robert Galt C CPHU 12-14-04

Notes: _____

M 31

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:

EL RANCHO NO TENGO, INC.

By: *Jeffrey L. Hill* President, I.S.
Name: **Jeffrey L. Hill**
Title: **President**

Witness Signature

Bonita Hadwin
Printed Name

Witness Signature

Nancy A. Murphy
Printed Name

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 *Per Person* as identification.

Bonita Hadwin
Notary Public

My commission expires




Bonita Hadwin
MY COMMISSION 0330004 EXPIRES
March 30, 2004
BONDED THIRD PARTY INSURANCE, INC.



**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000477**

DATE 12/14/2004 PARCEL ID # 03-4S-17-07486-110
APPLICANT INDA RODER PHONE 386.752.2281
ADDRESS 387 SW KEMP COURT LAKE CITY FL 32024
OWNER LEON ELLIS PHONE 386.758.200
ADDRESS 315 SE LINDALE GLEN LAKE CITY FL 32025
CONTRACTOR STEVE KLANDERUD PHONE 867.0031
LOCATION OF PROPERTY E-BAYA TO OLD OUNTRY CLUB ROAD,TR, GO 2 MILES, TL ON HAIGHT
ASHBURY,END OF CUL-DE-SAC

SUBDIVISION/LOT/BLOCK/PHASE/UNIT HAIGHT ASHBURY 10
SIGNATURE 

INSTALLATION REQUIREMENTS



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

