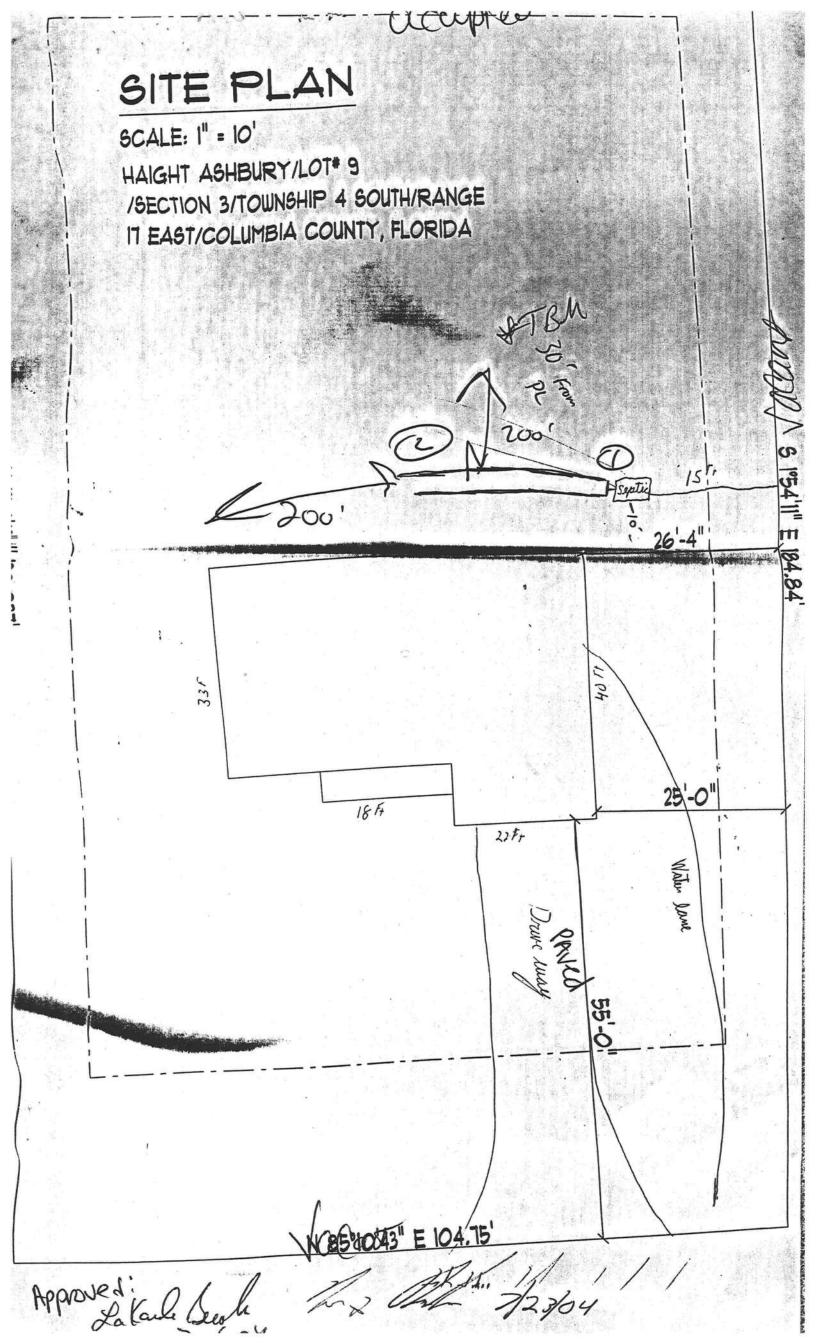
- A-4 00 00 00 00 00 00 00 00 00 00 00 00 00	0	RMIT
This Permit Expires One Y	Year From the Date of Issue PHONE 867-0031	22324
ADDRESS P.O. BOX 1473		2056
OWNER LEON & JEANNIE ELLIS	PHONE 758-2003	2030
ADDRESS 295 SE LINDALE GLEN	an arrest annual grant annual gr	2055
CONTRACTOR KLANDERS CONSTRUCTION	PHONE 867-0031	
LOCATION OF PROPERTY BAYA AVE, TR ON OLD COU	UNTRY CLUB, TL ON SE LINDALE GLEN,	
9TH LOT ON LEFT		
TYPE DEVELOPMENT SFD,UTILITY E	STIMATED COST OF CONSTRUCTION 59000.0	00
HEATED FLOOR AREA 1180.00 TOTAL A	REA 1658.00 HEIGHT .00 STO	ORIES 1
FOUNDATION CONC WALLS FRAMED	ROOF PITCH 6/12 FLOOR SLA	В
LAND USE & ZONING RSF-2	MAX. HEIGHT 8	
Minimum Set Back Requirments: STREET-FRONT 25.0	0 REAR 15.00 SIDE 1	10.00
NO. EX.D.U. 0 FLOOD ZONE X PP	DEVELOPMENT PERMIT NO.	2007000000
PARCEL ID 03-04-17-07486-109 SUBDIVIS	ON HAIGHT-ASBURY	
LOT 9 BLOCK PHASE UNIT	TOTAL ACRES .50	
000000409 CBC053047 Culvert Permit No. Culvert Waiver Contractor's License No.	2//m/C	
Culvert Permit No. Culvert Waiver Contractor's License No. PERMIT 04-0792-N BK	Applicant/Owner/Contractor RJ Y	
		Resident
COMMENTS: ONE FOOT ABOVE THE ROAD		
COMMENTS. CONTROL THE NOVE		
COMMENTS. OND TOOT RECYE THE ROLL	Check # or Cash 1296	
	INC DEPARTMENT ONLY	oter/Slah)
	INC DEPARTMENT ONLY	oter/Slab)
FOR BUILDING & ZON	ING DEPARTMENT ONLY Monolithic	oter/Slab)
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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.



Columbia County Building	Permit Application 409
For Office Use Only Application # 0407-68 Date Re	ceived 7/23/by By JW Permit # 22324
Application Approved by - Zoning Official 1325 Date	9.08.06 Plans Examiner Date
Flood Zone Development Permit N/A Zoning	RSF-2 Land Use Plan Map Category RES. La Den
	EL. NOE DEFORD, EN HENTANTE
SISNED PHOTO SELD THE EXITENTE	
	Sandey Phone 86 7-0031
Address P.O. Box 1473 lake City	7 32036
Owners Name Lean Jeannie & Ellis	Phone 758-2003
911 Address 295 SE Lindale Glen, LA	
Contractors Name Klander Construction S	teve Klandond Phone 7553791
Address P.O. Box 3515, L.C 32056	
Fee Simple Gwner Name & Address	
Bonding Co. Name & Address // A	
Architect/Engineer Name & Address Mark Dis	isuay Wedtown
Mortgage Lenders Name & Address /// A	
Property ID Number \$3-04517-07486-109 Subdivision Name Directions Huy Bay Flore, 10 1000	Lot 9 Block 1 Unit 1 Phase 1
left into Baigt of thewy	minth lost on left
Type of Construction New Ronstruction	Number of Existing Dwellings on Property \mathcal{O}
Total Acreage /2 Lot Size /2 been Do you need a Culv	ert Permit or Culvert Waiver or Have an Existing Driv
Actual Distance of Structure from Property Lines - Front 503	Side 3 27 Side 30 Rear 50
Total Building Height Number of Stories H	leated Floor Area 480 Roof Pitch 6/12
Application is hereby made to obtain a permit to do work and in installation has commenced prior to the issuance of a permit an all laws regulating construction in this jurisdiction.	stallations as indicated. I certify that no work or d that all work be performed to meet the standards of
OWNERS AFFIDAVIT: I hereby certify that all the foregoing infor compliance with all applicable laws and regulating construction	mation is accurate and all work will be done in and zoning.
WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INT LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF	END TO OBTAIN FINANCING, CONSULT WITH YOUR
Stove Standard	Stern Alandonal
Owner Builder or Agent (Including Contractor) STATE OF FLORIDA COUNTY OF COLUMBIA	Contractor Signature Contractors License Number Competency Card Number
Sworn to (or affirmed) and subscribed before me	BRANDON J. STEELE NOTARY STAMP/SE MY COMMISSION # DD 302024
this 19th day of July 2004.	EXPIRES: April 10, 2008 Bonded Thru Notary Public Underwriters
Personally known or Produced Identification	Notan Signature

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Address: City, State: Owner:	EllisSpec , Spec House North		Builder: Permitting Office: Permit Number: 22 Jurisdiction Number:	Klanders Construction 2324 221000
 New construction or Single family or mul Number of units, if r Number of Bedroom Is this a worst case? Conditioned floor ar Glass area & type Clear glass, default to Default tint, default c. Labeled U-factor or Floor types Slab-On-Grade Edge N/A N/A Wall types Frame, Wood, Adjac Frame, Wood, Exter c. N/A N/A N/A Ceiling types Under Attic N/A N/A Ducts Sup: Unc. Ret: Unc. b. N/A 	Iti-family multi-family ns ea (ft²) Cu-factor U-factor U-factor U-factor U-factor SHGC U-factor R= cent R= R=3	New	12. Cooling systems a. Central Unit b. N/A c. N/A 13. Heating systems a. Electric Heat Pump b. N/A c. N/A 14. Hot water systems a. Electric Resistance b. N/A c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump) 15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation of the cooling of the cooling, MZ-H-Multizone heating)	Cap: 27.0 kBtu/hr SEER: 10.50
Glass/	Floor Area: 0.15	Total as-built p	oints: 20877 oints: 20952	SS
22 - 123 - 1				

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: ///9/04 GASA

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

ADDRESS: , , ,	PERMIT #:

	BASE					AS-	BUI	LT				
GLASS TYPES .18 X Condition Floor Are		SPM = I	Points	Type/SC	Ove Ornt	erhang Len		Area X	SPM	I X S	SOF	= Points
.18 1180.0	0	20.04	4256.5	Double, Clear	S	1.5	5.5	40.0	35.87	,	0.83	1193.9
				Double, Clear	S	1.5	3.5	9.0	35.87	7	0.70	227.1
l				Double, Clear	S	1.5	5.5	30.0	35.87	,	0.83	895.4
1				Double, Clear	S	1.5	1.5	3.0	35.87	7	0.52	56.0
				Double, Clear	N	5.5	8.0	45.0	19.20)	0.77	667.2
				Double, Clear	N	5.5	3.0	18.0	19.20)	0.63	217.7
				Double, Clear	N	1.5	6.5	24.0	19.20)	0.95	436.6
				Double, Clear	E	1.5	8.0	3.0	42.06	6	0.96	120.8
				As-Built Total:				172.0				3814.8
WALL TYPES	Area X	BSPM	= Points	Туре		R	-Value	Area	Х	SPM	=	Points
Adjacent	262.0	0.70	183.4	Frame, Wood, Adjacent			13.0	262.0		0.60		157.2
Exterior	824.0	1.70	1400.8	Frame, Wood, Exterior			13.0	824.0		1.50		1236.0
Base Total:	1086.0		1584.2	As-Built Total:				1086.0				1393.2
DOOR TYPES	Area X	BSPM	= Points	Туре	2-111-			Area	Χ	SPM	=	Points
Adjacent	18.0	2.40	43.2	Exterior Insulated				40.0		4.10		164.0
Exterior	40.0	6.10	244.0	Adjacent Insulated				18.0		1.60		28.8
Bass Tatal	50.0		207.0	A- D-14 T-4-1				50.0				400.0
Base Total:	58.0		287.2	As-Built Total:				58.0				192.8
CEILING TYPES	Area X	BSPM	= Points	Туре		R-Valu	ue A	Area X S	PM 2	x sc	M =	Points
Under Attic	1180.0	1.73	2041.4	Under Attic			30.0	1336.0 1	.73 X	1.00		2311.3
Base Total:	1180.0		2041.4	As-Built Total:				1336.0				2311.3
FLOOR TYPES	Area X	BSPM	= Points	Туре		R-	Value	Area	Х	SPM	=	Points
Slab 1	60.0(p)	-37.0	-5920.0	Slab-On-Grade Edge Insulation	on		0.0	160.0(p	-4	1.20		-6592.0
Raised	0.0	0.00	0.0		48 D		4800 5 0	AP	•			
Base Total:	_=		-5920.0	As-Built Total:				160.0				-6592.0
INFILTRATION	Area X	BSPM	= Points					Area	X	SPM	=	Points
	1180.0	10.21	12047.8					1180.0		10.21		12047.8

SUMMER CALCULATIONS

ADDRESS: , , ,	PERMIT #:

	В	ASE			AS-BUILT								
Summer Bas	se F	Points:		14297.1	Summer	As	-Built	Р	oints:			•	13167.9
Total Summer Points		System Multiplier	=	Cooling Points	Total Componer	X	Cap Ratio	X (DI	Duct 2 Multiplier M x DSM x Al	X System Multiplie HU)	Credit Multiplier	=	Cooling Points
14297.1	(0.4266		6099.1	13167.9 13167. 9)	1.000 1.00	(1.	090 x 1.147 x 1.250	(1.00) 0.325 0.32	1.000 1.000		5351.2 5351.2

WINTER CALCULATIONS

ADDRESS: , , ,	PERMIT #:

BASE		AS-	-BUI	LT				
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	The second secon	Overhang rnt Len		Area X	WPI	их	WOF	= Points
.18 1180.0 12.74 2706.0	Double, Clear	S 1.5	5.5	40.0	13.3)	1.15	610.1
	Double, Clear	S 1.5	3.5	9.0	13.3		1.47	175.5
	Double, Clear	S 1.5	5.5	30.0	13.3)	1.15	457.6
	Double, Clear	S 1.5	1.5	3.0	13.3	0	2.73	109.0
2	Double, Clear	N 5.5	8.0	45.0	24.5	3	1.01	1121.0
	Double, Clear	N 5.5	3.0	18.0	24.5	3	1.02	453.3
	Double, Clear	N 1.5	6.5	24.0	24.5	3	1.00	591.0
	Double, Clear	E 1.5	8.0	3.0	18.79		1.02	57.5
	As-Built Total:			172.0				3575.0
WALL TYPES Area X BWPM = Points	Туре	R-	Value	Area	χV	NPM	=	Points
Adjacent 262.0 3.60 943.2	Frame, Wood, Adjacent		13.0	262.0		3.30		864.6
Exterior 824.0 3.70 3048.8	Frame, Wood, Exterior		13.0	824.0		3.40		2801.6
			1010	02110		0.10		2001.0
Base Total: 1086.0 3992.0	As-Built Total:			1086.0				3666.2
DOOR TYPES Area X BWPM = Points	Туре			Area	X١	NPM	=	Points
Adjacent 18.0 11.50 207.0	Exterior Insulated			40.0		8.40		336.0
Exterior 40.0 12.30 492.0	Adjacent Insulated			18.0		8.00		144.0
								10.00000000
Base Total: 58.0 699.0	As-Built Total:			58.0				480.0
CEILING TYPES Area X BWPM = Points	Туре	R-Value	e Ar	ea X W	PM X	WC	M =	Points
Under Attic 1180.0 2.05 2419.0	Under Attic		30.0	1336.0 2	2.05 X	1.00		2738.8
Base Total: 1180.0 2419.0	As-Built Total:			1336.0				2738.8
FLOOR TYPES Area X BWPM = Points	Туре	R-	Value	Area	ΧV	VPM	=	Points
Slab 160.0(p) 8.9 1424.0	Slab-On-Grade Edge Insulation		0.0	160.0(p	1	8.80		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 V	VPM	=	Points
1180.0 -0.59 -696.2				1180.0		-0.59		-696.2

WINTER CALCULATIONS

ADDRESS: , , ,	PERMIT #:

	BASE		AS-BUILT					
Winter Base	Points:	10543.8	Winter As-Built Points:	12771.8				
Total Winter > Points	X System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit Component Ratio Multiplier Multiplier Multiplie (DM x DSM x AHU)					
10543.8	0.6274	6615.2	12771.8 1.000 (1.069 x 1.169 x 1.00) 0.474 1.000 12771.8 1.00 1.250 0.474 1.000	7559.0 7559.0				

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS:,,,	PERMIT #:
	A STATE OF THE STA

BASE				AS-BUILT									
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier		edit Itiplier	
3		2746.00		8238.0	40.0 As-Built To	0.91	3		1.00	2655.47	1	.00	7966.4 7966.4

	CODE COMPLIANCE STATUS												
		BAS	SE							AS	-BUILT		
Cooling Points	+	Heating Points	+	Hot Water Points		Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
6099		6615		8238		20952	5351		7559		7966		20877

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: ,,,	PERMIT #:
and the second s	

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.	

Residential System Sizing Calculation

Summary Project Title:

Spec House

EllisSpec

Class 3 Rating Registration No. 0 Climate: North

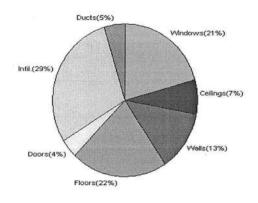
7/19/2004

Location for weather data: Gainesv	/ille - Default	s: Latitu	ude(29) Temp Range(M)		
Humidity data: Interior RH (50%)	Outdoor we	t bulb (7	7F) 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	23414	Btuh	Total cooling load calculation	21406	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	115.3	27000	Sensible (SHR = 0.75)	132.9	20250
Heat Pump + Auxiliary(0.0kW)	115 3	27000	Latent	109.5	6750
ricati amp · raxilary(o.okvv)	110.5	21000	Editorit		

WINTER CALCULATIONS

Winter Heating Load (for 1180 sqft)

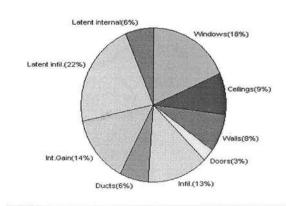
Load component			Load	
Window total	172	sqft	4868	Btuh
Wall total	1086	sqft	2974	Btuh
Door total	58	sqft	902	Btuh
Ceiling total	1336	sqft	1737	Btuh
Floor total	160	ft	5056	Btuh
Infiltration	158	cfm	6763	Btuh
Subtotal			22299	Btuh
Duct loss			1115	Btuh
TOTAL HEAT LOSS			23414	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1180 sqft)

Load component			Load	
Window total	172	sqft	3934	Btuh
Wall total	1086	sqft	1706	Btuh
Door total	58	sqft	588	Btuh
Ceiling total	1336	sqft	1897	Btuh
Floor total			0	Btuh
Infiltration	138	cfm	2731	Btuh
Internal gain			3000	Btuh
Subtotal(sensible)			13857	Btuh
Duct gain			1386	Btuh
Total sensible gain			15242	Btuh
Latent gain(infiltration)			4784	Btuh
Latent gain(internal)			1380	Btuh
Total latent gain			6164	Btuh
TOTAL HEAT GAIN			21406	Btuh



EnergyGauge® System Sizing based on ACCA Manual J. PREPARED BY:

EnergyGauge® FLR2PB v3.4

System Sizing Calculations - Winter

Residential Load - Component Details

Spec House

Project Title: EllisSpec Class 3 Rating Registration No. 0 Climate: North

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

7/19/2004

Window	Panes/SHGC/Frame/U	Orientation	n Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	40.0	28.3	1132 Btuh
2 3	2, Clear, Metal, DEF	N	9.0	28.3	255 Btuh
3	2, Clear, Metal, DEF	N	30.0	28.3	849 Btuh
4 5 6 7	2, Clear, Metal, DEF	N	3.0	28.3	85 Btuh
5	2, Clear, Metal, DEF	S	45.0	28.3	1274 Btuh
6	2, Clear, Metal, DEF	S	18.0	28.3	509 Btuh
	2, Clear, Metal, DEF	S	24.0	28.3	679 Btuh
8	2, Clear, Metal, DEF	W	3.0	28.3	85 Btuh
	Window Total		172		4868 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Adjacent	13.0	262	1.6	419 Btuh
2	Frame - Exterior	13.0	824	3.1	2554 Btuh
90	Wall Total		1086		2974 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Exter		40	18.3	733 Btuh
2	Insulated - Adjac		18	9.4	169 Btuh
	Door Total		58		902Btuh
Ceilings	Туре	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1336	1.3	1737 Btuh
-	Ceiling Total		1336		1737Btuh
Floors	Туре	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	Туре	ACH X	Building Volume	CFM=	Load
	Natural	0.80	11800(sqft)	158	6763 Btuh
	Mechanical			0	0 Btuh
	Infiltration Total			158	6763 Btuh

1	Subtotal	22299 Btuh
Totals for Heating	Duct Loss(using duct multiplier of 0.05)	1115 Btuh
	Total Btuh Loss	23414 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 Project Title:

Spec House

EllisSpec

Class 3 Rating Registration No. 0 Climate: North

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

7/19/2004

	Туре	Over	hang	Win	dow Are	a(sqft)	Н	ITM	Load	
Window	Panes/SHGC/U/InSh/ExSh Ornt	Len	Hgt	Gross		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	45.0	45.0	0.0	22	37	990	Btuh
6	2, Clear, DEF, N, N S	5.5	3	18.0	18.0	0.0	22	37	396	Btuh
7	2, Clear, DEF, N, N S	1.5	6.5	24.0	24.0	0.0	22	37	528	Btuh
8	2, Clear, DEF, N, N W	1.5	8	3.0	0.0	3.0	22	72	216	Btuh
	Window Total			172					3934	Btuh
Walls	Туре	R-	Value		1	Area		HTM	Load	
1	Frame - Adjacent		13.0		2	262.0		1.0	272	Btuh
2	Frame - Exterior		13.0		8	324.0		1.7	1434	Btuh
	Wall Total				10	0.86.0			1706	Btuh
Doors	Туре				F	Area		HTM	Load	
1	Insulated - Exter					40.0		10.1	406	Btuh
2	Insulated - Adjac					18.0		10.1	183	Btuh
	Door Total					58.0			588	Btuh
Ceilings	Type/Color	R-V	√alue		P	Area		HTM	Load	
1	Under Attic/Dark		30.0		1	336.0		1.4	1897	Btuh
	Ceiling Total				13	336.0			1897	Btuh
Floors	Туре	R-\	/alue		5	Size		HTM	Load	
1	Slab-On-Grade Edge Insulation		0.0		1	60.0 ft(p)		0.0	0	Btuh
	Floor Total				1	60.0			0	Btuh
nfiltration	Туре	Α	CH		Vo	lume		CFM=	Load	
	Natural		0.70		1	1800		137.9	2731	Btuh
	Mechanical							0	0	Btuh
	Infiltration Total							138	2731	Btuh

Internal	Occupants	Btu	uh/occup	ant	Appliance	Load	
gain	6	X	300	+	1200	3000	Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)
Project Title:

Spec House

EllisSpec

Class 3 Rating Registration No. 0 Climate: North

7/19/2004

	Subtotal	13857	Btuh
	Duct gain(using duct multiplier of 0.10)	1386	Btuh
	Total sensible gain	15242	Btuh
Totals for Cooling	Latent infiltration gain (for 51 gr. humidity difference)	4784	Btuh
77.2	Latent occupant gain (6 people @ 230 Btuh per person)	1380	Btuh
	Latent other gain	0	Btuh
	TOTAL GAIN	21406	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. 000000409

DATE 09/2	1/2004	PARCEL ID #	03-4S-17-07486-109			
APPLICANT	MIKE KLANDE	R	PHONE	867-0031		
ADDRESS _	P.O. BOX	1473	LAKE CITY		FL	32056
OWNER LE	ON & JEANNIE E	LLIS	PHONE	758-2003		
ADDRESS 29	95 SE LINDAL	E GLEN	LAKE CITY		FL	32055
CONTRACTO	R KLANDERS	CONSTRUCTION	PHONE	755-3791		4 4
LOCATION O	F PROPERTY	BAYA AVE, TR COUNTRY	CLUB, TL ON SE LINDA	LE GLEN, 9TH	ON I	EFT
		-				
SIGNATURE /	Culvert size very driving surfact thick reinforce INSTALLAT a) a majorite b) the drive Turnouts concrete occurrent and Culvert installed.	CION REQUIREMENTS vill be 18 inches in diamet be. Both ends will be miter ed concrete slab. ION NOTE: Turnouts will be of the current and existin way to be served will be possible be concrete or paved or paved driveway, whiche d existing paved or concre ation shall conform to the	er with a total lenght of ed 4 foot with a 4:1 s I be required as following driveway turnouts a aved or formed with coa minimum of 12 feet over is greater. The wide ted turnouts. Approved site plan standard approved standard a	lope and pou s: re paved, or; oncrete. wide or the v th shall confe	red v	vith a 4 inch

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



NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

22324

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 Lot 9 Haught Ashbury 03-45-17-07486-109 1. Description of property: (legal description of the property and street address or 911 address) 297 SE Lindale Glm Heright Ashbury 32025 Inst: 2004021419 Date: 09/21/2004 Time: 10:48 DC,P.DeWitt Cason,Columbia County B:1026 P:873 2. General description of improvement: New Horane 3. Owner Name & Address LEON + JEANNIC B Ellis 1252 N FLA Ave tappon SPAIND 34688 Interest in Property Dunas 4. Name & Address of Fee Simple Owner (if other than owner): 5. Contractor Name Stare Klandersel Phone Number 755-374/ Address P.O. Box 3515 6. Surety Holders Name Address Amount of Bond 7. Lender Name _____ Phone Number _____ 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 Mich Kleindory Phone Number 254-/364 Address 9. In addition to himself/herself the owner designates NA 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. Sworn to (or affirmed) and subscribed before day of 19, July , 20<u>04</u> Signature of Owner Commission # DD332075 Expires: JUNE 24, 2008 MARCHNOTARY.com

Signature of Notary



STATE OF FLORIDA DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

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DH 4015, 10/96 (Replaces HRS-H Form 4015 which may be used) (Stock Number: 5744-002-4015-6)

AH tim - Weegel

Columbia County Building Department Culvert Waiver

Culvert Waiver No. 000000409

DATE: 02/21/2005 BUILDING PERM	ON TII
APPLICANT MIKE KLANDER	PHONE <u>867-0031</u>
ADDRESS P.O. BOX 1473	LAKE CITY FL 32056
OWNER LEON & JEANNIE ELLIS	PHONE 758-2003
ADDRESS 295 SE LINDALE GLEN	LAKE CITY FL 32055
CONTRACTOR KLANDERS CONSTRUCTION	PHONE 755-3791
LOCATION OF PROPERTY BAYA AVE, TR COUNT	TRY CLUB, TL ON SE LINDALE GLEN, 9TH ON LEFT
SUBDIVISION/LOT/BLOCK/PHASE/UNITHAIGHT.	-ASHBURY 9
PARCEL ID # 03-4S-17-07486-109	
SIGNATURE:	
A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC	Amount Paid 50,00
A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC	Amount Paid 50,00
A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC PUBLIC WORKS DEP HEREBY CERTIFY THAT I HAVE EXAMINED THIS API CULVERT WAIVER IS:	PARTMENT USE ONLY PLICATION AND DETERMINED THAT THE
A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC PUBLIC WORKS DEP HEREBY CERTIFY THAT I HAVE EXAMINED THIS API CULVERT WAIVER IS: APPROVED	ARTMENT USE ONLY
A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC PUBLIC WORKS DEP HEREBY CERTIFY THAT I HAVE EXAMINED THIS API CULVERT WAIVER IS: APPROVED	PARTMENT USE ONLY PLICATION AND DETERMINED THAT THE
A SEPARATE CHECK IS REQUIRED MAKE CHECKS PAYABLE TO BCC PUBLIC WORKS DEP HEREBY CERTIFY THAT I HAVE EXAMINED THIS API CULVERT WAIVER IS: APPROVED COMMENTS: APPROVED COMMEN	PARTMENT USE ONLY PLICATION AND DETERMINED THAT THE NOT APPROVED - NEEDS A CULVERT PERM
MAKE CHECKS PAYABLE TO BCC PUBLIC WORKS DEP. HEREBY CERTIFY THAT I HAVE EXAMINED THIS API CULVERT WAIVER IS: APPROVED	PARTMENT USE ONLY PLICATION AND DETERMINED THAT THE NOT APPROVED - NEEDS A CULVERT PERM AND Stop Flow DATE: 02/24/05

135 NE Hernando Ave., Suite B-21

Lake City, FL 32055

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

FEB 2 2 2005

PUBLIC WORKS DEPT.



New Construction Subterranean Termite Soil Treatment Record

22324

OMB Approval No. 2502-0525 (exp. 10/31/2005)

This form is completed by the licensed Pest Control Company

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

Section 1: General Information (Treating C					
Company Name: Aspen Pest	Control, Inc.				V. Marine
Company Address 301 NW Co	ole Terrace ci	ty Lake City	StateF	Zip	32055
Company Business License No	JB109476	Company Pho	ne No	386-755	-3611
FHA/VA Case No. (if any)		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
ection 2: Builder Information Company Name	indened		Phone No	867-0	03/
Section 3: Property Information Cocation of Structure (s) Treated (Street Add Type of Construction (More than one box material Approximate Depth of Footing: Outside	ay be checked) Slab	Basement C	rawl Otl	ner	
ection 4: Treatment Information					
Date(s) of Treatment(s) 9/2	9/04				
Brand Name of Product(s) Used	Surrender TC				
EPA Registration No. 70907	7-7-53883				
Approximate Final Mix Solution %	.5%				
Approximate Size of Treatment Area:		near ft.	Linear ft. of Ma	asonry Voids	0
Approximate Total Gallons of Solution A					
Was treatment completed on exterior?					
	Yes No				
Note: Some state laws require service a		is form does not preempt sta	te law.		
Attachments (List)					
Comments		And the second			
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lame of Applicator(s) _ S. Gregon	1				
	/ JF104376	100 A	A Superior of the same of the		
Certification No. (if required by State law)	JF104376	I and state requirements. All	treatment mater	ials and method	ls used comply
Name of Applicator(s)	JF104376	I and state requirements. All	treatment mater	ials and method	is used comply
Certification No. (if required by State law) The applicator has used a product in accor	JF104376	I and state requirements. All		ials and method	s used comply



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.

Building permit No. 000022324

28.35

Fire:

Waste: 61.25

accordance with the Columbia County Buildine
Parcel Number 03-04-17-07486-109

Use Classification SFD,UTILITY

Permit Holder KLANDERS CONSTRUCTION

Owner of Building LEON & JEANNIE ELLIS

89.60

Total:

Location: 295 SE LINDALE GLEN(HAIGHT-ASHBURY, LO)T 9)

Date: 04/18/2005

të.

Building Inspector

POST IN A CONSPICUOUS PLACE (Business Places Only)