

01/20/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022714

APPLICANT WOLF SCHRON PHONE 386 364-4793
 ADDRESS P.O. BOX 656 LIVE OAK FL 32064
 OWNER BAUHUS, INC PHONE 386 364-4793
 ADDRESS 235 SW STAFFORD COURT LAKE CITY FL 32024
 CONTRACTOR WOLF SCHRON PHONE 386 364-4793

LOCATION OF PROPERTY BRANFORD HIGHWAY, TL ON CALLAWAY ROAD, TL INTO CALLAWAY, TR ON PHEASANT, TL ON WILSHIRE, TR ON STAFFORD, END ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 93050.00

HEATED FLOOR AREA 1861.00 TOTAL AREA 2522.00 HEIGHT .00 STORIES

FOUNDATION WALLS ROOF PITCH FLOOR

LAND USE & ZONING RSF-2 MAX. HEIGHT 23

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

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

PARCEL ID 15-4S-16-03023-374 SUBDIVISION CALLAWAY

LOT 74 BLOCK PHASE 3 UNIT TOTAL ACRES .60

00000508 N CGC047190
 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
 CULVERT PERMIT 04-1208-N BK HD Y
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD,

Check # or Cash 1059

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

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

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

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

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

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

BUILDING PERMIT FEE \$ 470.00 CERTIFICATION FEE \$ 12.61 SURCHARGE FEE \$ 12.61

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

FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ 25.00 **TOTAL FEE** 570.22

INSPECTORS OFFICE *[Signature]* CLERKS OFFICE *[Signature]*

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR 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.

GERBANYCENIC AVENUE
OPEN

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 15-4S-16-03023-374

Building permit No. 000022714

Use Classification SFD, UTILITY

Fire: .00

Permit Holder WOLF SCHRON

Waste: .00

Owner of Building BAUHUS, INC

Total: .00

Location: 235 SW STAFFORD COURT, LAKE CITY, FL 32024

Date: 09/28/2005

Henry Dieke

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

22714



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

P.O. Box 1825 • Lake City, FL 32056-1825
 6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
 Tel. (904) 282-4046 • Fax (904) 282-4047

JOB NO.: 05-064
 DATE TESTED: 02/11/05

REPORT OF IN-PLACE DENSITY TEST

PROJECT:	Callaway Subdivision, Lots #73 & #74
CLIENT:	Bauhus, Inc. P.O. Box 656 Live Oak, FL 32064
GENERAL CONTRACTOR:	Bauhus, Inc.
EARTHWORK CONTRACTOR:	Bauhus, Inc.
INSPECTOR:	Clay Allen
ASTM METHOD	SOIL USE
(D-2922) Nuclear	BUILDING FILL

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft ³)	MOISTURE PERCENT	DRY DENSITY (lb/ft ³)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
Lot #74								
1	18'S. by 12'W. from NE Corner of Pad	0 - 12"	126.9	10.1	115.3	1	119.2	96.7%
2	12'W. by 12'N. from SE Corner of Pad	0 - 12"	124.5	8.9	114.3	1	119.2	95.9%
3	15'S. by 9'E. from NW Corner of Pad	0 - 12"	125.6	10.3	113.9	1	119.2	95.5%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS				
PROCTOR NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft ³)	OPT. MOIST.	TYPE
1	Gray Silty Sand w/Clay	119.2	7.3	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Reviewed By:

Linda M. Creamer

Linda M. Creamer
 President - CEO

Date: 2/11/05
 Florida Registration No.: 52612

1cc: Client
 1cc: File

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and change with time, sound judgement should be exercised with regard to the use and interpretation of the data.

"Excellence in Engineering & Geoscience"



Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

February 16, 2005

22619 Lot 73
22714 Lot 74

Bauhus, Inc.
P. O. Box 656
Live Oak, Florida 32064

Attention: Wolf Schrom

Reference: Proposed Residences
Callaway, Lots 73 and 74
Columbia County, Florida
Cal-Tech Project No. 05-064

Dear Mr. Schrom,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of lots 73 and 74 of Callaway subdivision in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of homes to be constructed on these two lots and to provide recommendations for selecting finished floor elevations.

Based upon the U.S.G.S. "Lake Cite West" quadrangle map, the roadway adjacent the lots has a centerline elevation of approximately 104.0 feet. Using this elevation as a reference, the finished floor elevations are to be approximately 102.4 feet and 102.3 feet for lots 73 and 74, respectively. These elevations place the finished floors approximately 1.65 feet below the centerline of the adjacent roadway.

Columbia County regulations require the finished floor elevation of new structures to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

Based upon the "Flood Insurance Rate Map" for Columbia County provided by the "National Flood Insurance Program", the two building sites are outside the 500-year flood plain; therefore, flooding of these sites is highly unlikely, and elevating the floors to 12 inches above the adjacent roadway should not be necessary to substantially reduce the likelihood of flooding.

Note however that local flooding occurred within the Callaway subdivision during the recent hurricane season. The local flood elevation for this event was determined to be approximately 90.0 feet. Therefore, the proposed finished floor elevations are roughly 12 feet above the flood elevation for this event.

"Excellence in Engineering & Geoscience"

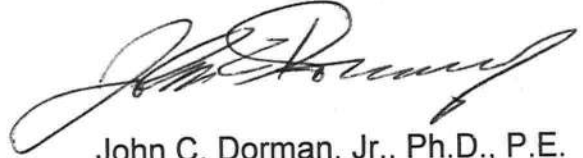
We recommend that you maintain the proposed finished floor elevations of approximately 102.35 feet.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.



Linda Creamer
President / CEO



John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

2/16/05

52612

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0411-81 Date Received 12-19-04 By G Permit # 508/22714
 Application Approved by - Zoning Official BLK Date 04.01.05 Plans Examiner HD Date 1-3-05
 Flood Zone X per plot Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den
 Comments NOC/ Ariving's directions

Applicants Name WOLF SCHRUM Phone 386-364-4793
 Address PO BOX 656, LIVE OAK, FL 3206K
 Owners Name BAUHUS INC Phone 386-364-4793
 911 Address 235 W STAFFORD COURT, CALLAWAY
 Contractors Name WOLF SCHRUM Phone 386-364-4793
 Address PO BOX 656, LIVE OAK, CELL: 813-786-0730
 Fee Simple Owner Name & Address BAUHUS INC, PO BOX 656, LIVE OAK
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address MARK DISSOSWAY, PO BOX 868, LAKE CITY
 Mortgage Lenders Name & Address _____

Circle the correct power company FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 03023-374-15-45-16 Estimated Cost of Construction 105,000,-
 Subdivision Name CALLAWAY Lot 24 Block 7 Unit 3 Phase
 Driving Directions OF BRANDFORD HWY, TL CALLAWAY Rd, TL into CALLAWAY SD, TR Phonsant, TR Stafford - to end of driving forthcoming Cul-de-SAC unlett.
 Type of Construction FRAMED RESID. HOUSE Number of Existing Dwellings on Property 0
 Total Acreage 0.6 Lot Size _____ Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 42.5 Side 12 Side 19 Rear PLENTY
 Total Building Height 23' Number of Stories 1 Heated Floor Area 1861 Roof Pitch 8/12

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

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

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF 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.

[Signature]
Owner Builder or Agent (Including Contractor)

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

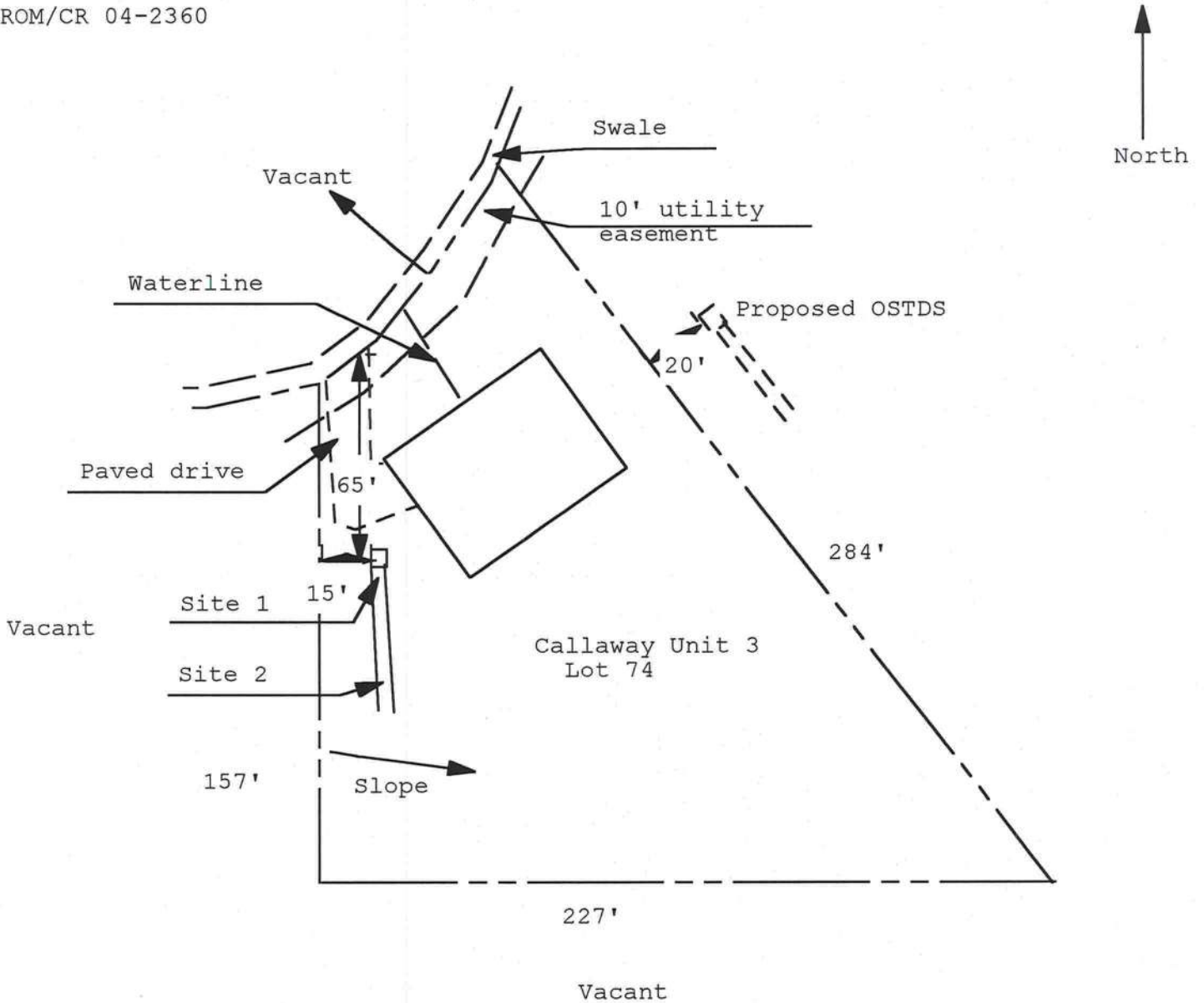
Sworn to (or affirmed) and subscribed before me
this _____ day of _____ 20____
Personally known _____ or Produced Identification _____

Notary Signature

Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan
 Permit Application Number: 04-1208N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

SCHROM/CR 04-2360



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd Date 10/11/04
 Plan Approved Not Approved Date 10/11/04

By Paul Lloyd Moz CPHU
 12-17-04

Notes: _____



STATE OF FLORIDA
 DEPARTMENT OF BUSINESS AND
 PROFESSIONAL REGULATION
 AC# 1500138

CGC047190 07/21/04 040072817
 CERTIFIED GENERAL CONTRACTOR
 SCHROM, WOLFRAM
 BAUHUS INC

IS CERTIFIED under the provisions of Ch. 489 FS.
 Expiration date: AVG 31, 2006
 104072101612

STATE OF FLORIDA
 DEPARTMENT OF FINANCIAL SERVICES
 DIVISION OF WORKERS' COMPENSATION
 ** REISSUANCE OF CONSTRUCTION INDUSTRY CERTIFICATE OF EXEMPTION

This certificate exempts the Officer of the Corporation listed below from the provision of Florida Workers' Compensation Law for the period indicated below.

EFFECTIVE DATE: 01/01/2004
 EXPIRATION DATE: 11/11/2005
 CORPORATE OFFICER: **WOLFRAM**
 LLC MEMBER NAME: **WOLF**
 FEIN: 069438253

BUSINESS NAME AND ADDRESS:
 BAUHUS INC
 P O BOX 556
 LIVE OAK

FL 32060

SCOPE OF BUSINESS OR TRADE: BUILDING CONTRACTOR

IMPORTANT

This certificate applies only to the corporate officer named on this certificate and applies only within the scope of the business or trade listed hereon.

A copy of this card or the duplicate above must be carried and available for inspection at all time while conducting any construction work.

Pursuant to chapter 440.05(14), F.S., an officer of a corporation who elects exemption from this chapter by filing a certificate of election under this section may not recover benefits or compensation under this chapter.

Notices of election to be exempt and certificates of election to be exempt shall be subject to revocation if, at any time after the filing of the notice or the issuance of the certificate, the person named on the notice or certificate no longer meets the requirements of this section for issuance of a certificate. The department shall revoke a certificate at any time for failure of the person named on the certificate to meet the requirements of this section.

QUESTIONS? (850) 489-2333

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: 408092Bauhus Address: Lot: 74, Sub: Callaway, Plat: City, State: , FL Owner: Climate Zone: North	Builder: Wolf Schrom Permitting Office: Permit Number: 2714 Jurisdiction Number: 221000
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<table style="width: 100%; border-collapse: collapse;"> <tr><td>1. New construction or existing</td><td style="text-align: right;">New</td><td style="text-align: right;">___</td></tr> <tr><td>2. Single family or multi-family</td><td style="text-align: right;">Single family</td><td style="text-align: right;">___</td></tr> <tr><td>3. Number of units, if multi-family</td><td style="text-align: right;">1</td><td style="text-align: right;">___</td></tr> <tr><td>4. Number of Bedrooms</td><td style="text-align: right;">3</td><td style="text-align: right;">___</td></tr> <tr><td>5. Is this a worst case?</td><td style="text-align: right;">Yes</td><td style="text-align: right;">___</td></tr> <tr><td>6. Conditioned floor area (ft²)</td><td style="text-align: right;">1861 ft²</td><td style="text-align: right;">___</td></tr> <tr><td>7. Glass area & type</td><td style="text-align: right;">Single Pane</td><td style="text-align: right;">Double Pane</td></tr> <tr><td> a. Clear glass, default U-factor</td><td style="text-align: right;">0.0 ft²</td><td style="text-align: right;">302.0 ft²</td></tr> <tr><td> b. Default tint, default U-factor</td><td style="text-align: right;">0.0 ft²</td><td style="text-align: right;">0.0 ft²</td></tr> <tr><td> c. Labeled U-factor or SHGC</td><td style="text-align: right;">0.0 ft²</td><td style="text-align: right;">0.0 ft²</td></tr> <tr><td>8. Floor types</td><td></td><td></td></tr> <tr><td> a. Slab-On-Grade Edge Insulation</td><td style="text-align: right;">R=0.0, 236.0(p) ft</td><td style="text-align: right;">___</td></tr> <tr><td> b. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> c. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td>9. Wall types</td><td></td><td></td></tr> <tr><td> a. Frame, Wood, Exterior</td><td style="text-align: right;">R=13.0, 1317.0 ft²</td><td style="text-align: right;">___</td></tr> <tr><td> b. Frame, Wood, Adjacent</td><td style="text-align: right;">R=13.0, 316.0 ft²</td><td style="text-align: right;">___</td></tr> <tr><td> c. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> d. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> e. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td>10. Ceiling types</td><td></td><td></td></tr> <tr><td> a. Under Attic</td><td style="text-align: right;">R=30.0, 1990.0 ft²</td><td style="text-align: right;">___</td></tr> <tr><td> b. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> c. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td>11. Ducts</td><td></td><td></td></tr> <tr><td> a. Sup: Unc. Ret: Unc. AH: Garage</td><td style="text-align: right;">Sup. R=6.0, 240.0 ft</td><td style="text-align: right;">___</td></tr> <tr><td> b. N/A</td><td></td><td style="text-align: right;">___</td></tr> </table>	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)	1861 ft²	___	7. Glass area & type	Single Pane	Double Pane	a. Clear glass, default U-factor	0.0 ft²	302.0 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, 236.0(p) ft	___	b. N/A		___	c. N/A		___	9. Wall types			a. Frame, Wood, Exterior	R=13.0, 1317.0 ft²	___	b. Frame, Wood, Adjacent	R=13.0, 316.0 ft²	___	c. N/A		___	d. N/A		___	e. N/A		___	10. Ceiling types			a. Under Attic	R=30.0, 1990.0 ft²	___	b. N/A		___	c. N/A		___	11. Ducts			a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 240.0 ft	___	b. N/A		___	<table style="width: 100%; border-collapse: collapse;"> <tr><td>12. Cooling systems</td><td></td><td></td></tr> <tr><td> a. Central Unit</td><td style="text-align: right;">Cap: 43.0 kBtu/hr</td><td style="text-align: right;">___</td></tr> <tr><td></td><td style="text-align: right;">SEER: 12.00</td><td style="text-align: right;">___</td></tr> <tr><td> b. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> c. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td>13. Heating systems</td><td></td><td></td></tr> <tr><td> a. Electric Heat Pump</td><td style="text-align: right;">Cap: 43.0 kBtu/hr</td><td style="text-align: right;">___</td></tr> <tr><td></td><td style="text-align: right;">HSPF: 7.50</td><td style="text-align: right;">___</td></tr> <tr><td> b. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> c. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td>14. Hot water systems</td><td></td><td></td></tr> <tr><td> a. Electric Resistance</td><td style="text-align: right;">Cap: 40.0 gallons</td><td style="text-align: right;">___</td></tr> <tr><td></td><td style="text-align: right;">EF: 0.91</td><td style="text-align: right;">___</td></tr> <tr><td> b. N/A</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> c. Conservation credits</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> (HR-Heat recovery, Solar</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> DHP-Dedicated heat pump)</td><td></td><td style="text-align: right;">___</td></tr> <tr><td>15. HVAC credits</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> (CF-Ceiling fan, CV-Cross ventilation,</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> HF-Whole house fan,</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> PT-Programmable Thermostat,</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> MZ-C-Multizone cooling,</td><td></td><td style="text-align: right;">___</td></tr> <tr><td> MZ-H-Multizone heating)</td><td></td><td style="text-align: right;">___</td></tr> </table>	12. Cooling systems			a. Central Unit	Cap: 43.0 kBtu/hr	___		SEER: 12.00	___	b. N/A		___	c. N/A		___	13. Heating systems			a. Electric Heat Pump	Cap: 43.0 kBtu/hr	___		HSPF: 7.50	___	b. N/A		___	c. N/A		___	14. Hot water systems			a. Electric Resistance	Cap: 40.0 gallons	___		EF: 0.91	___	b. N/A		___	c. Conservation credits		___	(HR-Heat recovery, Solar		___	DHP-Dedicated heat pump)		___	15. 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	HSPF: 7.50	___																																																																																																																																																					
b. N/A		___																																																																																																																																																					
c. N/A		___																																																																																																																																																					
14. Hot water systems																																																																																																																																																							
a. Electric Resistance	Cap: 40.0 gallons	___																																																																																																																																																					
	EF: 0.91	___																																																																																																																																																					
b. N/A		___																																																																																																																																																					
c. Conservation credits		___																																																																																																																																																					
(HR-Heat recovery, Solar		___																																																																																																																																																					
DHP-Dedicated heat pump)		___																																																																																																																																																					
15. HVAC credits		___																																																																																																																																																					
(CF-Ceiling fan, CV-Cross ventilation,		___																																																																																																																																																					
HF-Whole house fan,		___																																																																																																																																																					
PT-Programmable Thermostat,		___																																																																																																																																																					
MZ-C-Multizone cooling,		___																																																																																																																																																					
MZ-H-Multizone heating)		___																																																																																																																																																					

Glass/Floor Area: 0.16	Total as-built points: 27992	PASS
	Total base points: 28020	

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: 9/2/09

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

OWNER/AGENT: _____

DATE: 11.11.09

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: 74, Sub: Callaway, Plat: , , FL, 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	1861.0	20.04	6713.0	Double, Clear	W	1.5	5.5	45.0	38.52	0.90	1554.9
				Double, Clear	N	99.0	6.0	15.0	19.20	0.59	170.8
				Double, Clear	W	8.0	6.0	27.0	38.52	0.47	487.0
				Double, Clear	W	8.0	7.0	20.0	38.52	0.50	382.3
				Double, Clear	SW	13.0	6.0	13.0	40.16	0.39	202.8
				Double, Clear	W	11.0	6.0	15.0	38.52	0.42	241.0
				Double, Clear	S	7.8	7.0	20.0	35.87	0.50	361.2
				Double, Clear	N	1.5	5.0	16.0	19.20	0.92	281.3
				Double, Clear	E	0.0	0.0	22.0	42.06	1.00	925.4
				Double, Clear	E	0.0	0.0	20.0	42.06	1.00	841.3
				Double, Clear	E	8.8	10.0	14.0	42.06	0.55	322.1
				Double, Clear	E	8.8	4.0	10.0	42.06	0.38	160.8
				Double, Clear	E	0.0	0.0	28.0	42.06	1.00	1177.8
				Double, Clear	E	1.5	5.5	18.0	42.06	0.90	678.6
				Double, Clear	S	1.5	6.0	15.0	35.87	0.86	460.6
				Double, Clear	S	1.5	2.0	4.0	35.87	0.57	81.1
				As-Built Total:				302.0	8328.8		
WALL TYPES Area X BSPM = Points				Type	R-Value		Area X SPM = Points				
Adjacent	316.0	0.70	221.2	Frame, Wood, Exterior	13.0		1317.0	1.50		1975.5	
Exterior	1317.0	1.70	2238.9	Frame, Wood, Adjacent	13.0		316.0	0.60		189.6	
Base Total:	1633.0		2460.1	As-Built Total:			1633.0			2165.1	
DOOR TYPES Area X BSPM = Points				Type	Area X SPM = Points						
Adjacent	18.0	2.40	43.2	Exterior Insulated			28.0	4.10		114.8	
Exterior	48.0	6.10	292.8	Adjacent Insulated			18.0	1.60		28.8	
				Exterior Insulated			20.0	4.10		82.0	
Base Total:	66.0		336.0	As-Built Total:			66.0			225.6	
CEILING TYPES Area X BSPM = Points				Type	R-Value		Area X SPM X SCM = Points				
Under Attic	1861.0	1.73	3219.5	Under Attic	30.0		1990.0	1.73 X 1.00		3442.7	
Base Total:	1861.0		3219.5	As-Built Total:			1990.0			3442.7	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 74, Sub: Callaway, Plat: , , FL, PERMIT #:

BASE				AS-BUILT						
FLOOR TYPES	Area	X BSPM	= Points	Type	R-Value	Area	X SPM = Points			
Slab	236.0(p)	-37.0	-8732.0	Slab-On-Grade Edge Insulation	0.0	236.0(p)	-41.20 -9723.2			
Raised	0.0	0.00	0.0							
Base Total:			-8732.0	As-Built Total:		236.0	-9723.2			
INFILTRATION Area X BSPM = Points				Area X SPM = Points						
	1861.0	10.21	19000.8			1861.0	10.21 19000.8			
Summer Base Points:			22997.4	Summer As-Built Points:			23439.9			
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
22997.4	0.4266		9810.7	23439.9	1.000	(1.090 x 1.147 x 1.00)	0.284	1.000		8334.9
				23439.9	1.00	1.250	0.284	1.000		8334.9

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 74, Sub: Callaway, Plat: , , FL,	PERMIT #:
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BASE	AS-BUILT																																																																																																																																																																						
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	Overhang Ornt Len Hgt Area X WPM X WOF = Points																																																																																																																																																																						
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">.18</td> <td style="width: 20%;">1861.0</td> <td style="width: 10%;">12.74</td> <td style="width: 10%;">4267.6</td> </tr> </table>	.18	1861.0	12.74	4267.6	<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">Type/SC</th> <th style="width: 5%;">Ornt</th> <th style="width: 5%;">Len</th> <th style="width: 5%;">Hgt</th> <th style="width: 10%;">Area X</th> <th style="width: 10%;">WPM</th> <th style="width: 10%;">X</th> <th style="width: 10%;">WOF</th> <th style="width: 10%;">= Points</th> </tr> <tr> <td>Double, Clear</td> <td>W</td> <td>1.5</td> <td>5.5</td> <td>45.0</td> <td>20.73</td> <td></td> <td>1.03</td> <td>959.0</td> </tr> <tr> <td>Double, Clear</td> <td>N</td> <td>99.0</td> <td>6.0</td> <td>15.0</td> <td>24.58</td> <td></td> <td>1.03</td> <td>378.7</td> </tr> <tr> <td>Double, Clear</td> <td>W</td> <td>8.0</td> <td>6.0</td> <td>27.0</td> <td>20.73</td> <td></td> <td>1.20</td> <td>668.9</td> </tr> <tr> <td>Double, Clear</td> <td>W</td> <td>8.0</td> <td>7.0</td> <td>20.0</td> <td>20.73</td> <td></td> <td>1.18</td> <td>490.2</td> </tr> <tr> <td>Double, Clear</td> <td>SW</td> <td>13.0</td> <td>6.0</td> <td>13.0</td> <td>16.74</td> <td></td> <td>1.95</td> <td>424.2</td> </tr> <tr> <td>Double, Clear</td> <td>W</td> <td>11.0</td> <td>6.0</td> <td>15.0</td> <td>20.73</td> <td></td> <td>1.22</td> <td>379.0</td> </tr> <tr> <td>Double, Clear</td> <td>S</td> <td>7.8</td> <td>7.0</td> <td>20.0</td> <td>13.30</td> <td></td> <td>2.93</td> <td>778.0</td> </tr> <tr> <td>Double, Clear</td> <td>N</td> <td>1.5</td> <td>5.0</td> <td>16.0</td> <td>24.58</td> <td></td> <td>1.00</td> <td>394.7</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>0.0</td> <td>0.0</td> <td>22.0</td> <td>18.79</td> <td></td> <td>1.00</td> <td>413.5</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>0.0</td> <td>0.0</td> <td>20.0</td> <td>18.79</td> <td></td> <td>1.00</td> <td>375.9</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>8.8</td> <td>10.0</td> <td>14.0</td> <td>18.79</td> <td></td> <td>1.25</td> <td>329.9</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>8.8</td> <td>4.0</td> <td>10.0</td> <td>18.79</td> <td></td> <td>1.47</td> <td>275.4</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>0.0</td> <td>0.0</td> <td>28.0</td> <td>18.79</td> <td></td> <td>1.00</td> <td>526.2</td> </tr> <tr> <td>Double, Clear</td> <td>E</td> <td>1.5</td> <td>5.5</td> <td>18.0</td> <td>18.79</td> <td></td> <td>1.04</td> <td>352.3</td> </tr> <tr> <td>Double, Clear</td> <td>S</td> <td>1.5</td> <td>6.0</td> <td>15.0</td> <td>13.30</td> <td></td> <td>1.12</td> <td>222.9</td> </tr> <tr> <td>Double, Clear</td> <td>S</td> <td>1.5</td> <td>2.0</td> <td>4.0</td> <td>13.30</td> <td></td> <td>2.27</td> <td>120.5</td> </tr> <tr> <td colspan="4">As-Built Total:</td> <td>302.0</td> <td colspan="3"></td> <td>7089.3</td> </tr> </table>	Type/SC	Ornt	Len	Hgt	Area X	WPM	X	WOF	= Points	Double, Clear	W	1.5	5.5	45.0	20.73		1.03	959.0	Double, Clear	N	99.0	6.0	15.0	24.58		1.03	378.7	Double, Clear	W	8.0	6.0	27.0	20.73		1.20	668.9	Double, Clear	W	8.0	7.0	20.0	20.73		1.18	490.2	Double, Clear	SW	13.0	6.0	13.0	16.74		1.95	424.2	Double, Clear	W	11.0	6.0	15.0	20.73		1.22	379.0	Double, Clear	S	7.8	7.0	20.0	13.30		2.93	778.0	Double, Clear	N	1.5	5.0	16.0	24.58		1.00	394.7	Double, Clear	E	0.0	0.0	22.0	18.79		1.00	413.5	Double, Clear	E	0.0	0.0	20.0	18.79		1.00	375.9	Double, Clear	E	8.8	10.0	14.0	18.79		1.25	329.9	Double, Clear	E	8.8	4.0	10.0	18.79		1.47	275.4	Double, Clear	E	0.0	0.0	28.0	18.79		1.00	526.2	Double, Clear	E	1.5	5.5	18.0	18.79		1.04	352.3	Double, Clear	S	1.5	6.0	15.0	13.30		1.12	222.9	Double, Clear	S	1.5	2.0	4.0	13.30		2.27	120.5	As-Built Total:				302.0				7089.3
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WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 74, Sub: Callaway, Plat: , , FL,	PERMIT #:
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BASE				AS-BUILT					
FLOOR TYPES	Area	X BWPM	= Points	Type	R-Value	Area	X WPM	= Points	
Slab	236.0(p)	8.9	2100.4	Slab-On-Grade Edge Insulation	0.0	236.0(p)	18.80	4436.8	
Raised	0.0	0.00	0.0						
Base Total:			2100.4	As-Built Total:		236.0		4436.8	
INFILTRATION	Area	X BWPM	= Points						
	1861.0	-0.59	-1098.0			1861.0	-0.59	-1098.0	
Winter Base Points:			15893.0	Winter As-Built Points:				20575.4	
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
15893.0	0.6274	9971.3		20575.4	1.000	(1.069 x 1.169 x 1.00)	0.455	1.000	11690.5
				20575.4	1.00	1.250	0.455	1.000	11690.5

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 74, Sub: Callaway, Plat: , , FL,	PERMIT #:
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BASE	AS-BUILT
WATER HEATING	
Number of Bedrooms X Multiplier = Total	Tank Volume EF Number of Bedrooms X Tank X Ratio X Multiplier X Credit = Total Multiplier
3 2746.00 8238.0	40.0 0.91 3 1.00 2655.47 1.00 7966.4
	As-Built Total: 7966.4

CODE COMPLIANCE STATUS													
BASE					AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
9811		9971		8238		28020	8335		11691		7966		27992

PASS



Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 74, Sub: Callaway, Plat: , , FL,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

Residential System Sizing Calculation

Summary

Project Title:
408092Bauhus

Class 3 Rating
Registration No. 0
Climate: North

9/2/2004

, FL

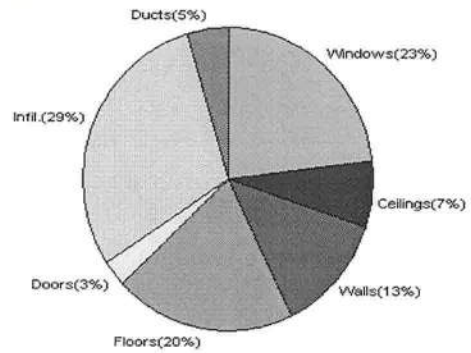
Lot 74

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	36639 Btuh	Total cooling load calculation	34410 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	117.4 43000	Sensible (SHR = 0.75)	126.5 32250
Heat Pump + Auxiliary(0.0kW)	117.4 43000	Latent	120.5 10750
		Total (Electric Heat Pump)	125.0 43000

WINTER CALCULATIONS

Winter Heating Load (for 1861 sqft)

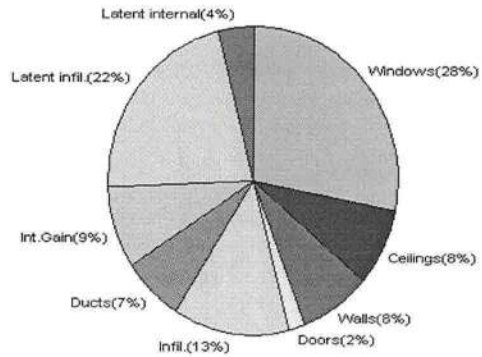
Load component		Load	
Window total	302 sqft	8547	Btuh
Wall total	1633 sqft	4588	Btuh
Door total	66 sqft	1049	Btuh
Ceiling total	1990 sqft	2587	Btuh
Floor total	236 ft	7458	Btuh
Infiltration	249 cfm	10666	Btuh
Subtotal		34895	Btuh
Duct loss		1745	Btuh
TOTAL HEAT LOSS		36639	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1861 sqft)

Load component		Load	
Window total	302 sqft	9746	Btuh
Wall total	1633 sqft	2620	Btuh
Door total	66 sqft	669	Btuh
Ceiling total	1990 sqft	2826	Btuh
Floor total		0	Btuh
Infiltration	218 cfm	4308	Btuh
Internal gain		3000	Btuh
Subtotal(sensible)		23169	Btuh
Duct gain		2317	Btuh
Total sensible gain		25486	Btuh
Latent gain(infiltration)		7545	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		8925	Btuh
TOTAL HEAT GAIN		34410	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY: *[Signature]*

DATE: 9/2/04

System Sizing Calculations - Winter

Residential Load - Component Details

Project Title:
408092Bauhus

Class 3 Rating
Registration No. 0
Climate: North

, FL

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

9/2/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	45.0	28.3	1274 Btuh
2	2, Clear, Metal, DEF	E	15.0	28.3	424 Btuh
3	2, Clear, Metal, DEF	N	27.0	28.3	764 Btuh
4	2, Clear, Metal, DEF	N	20.0	28.3	566 Btuh
5	2, Clear, Metal, DEF	NW	13.0	28.3	368 Btuh
6	2, Clear, Metal, DEF	N	15.0	28.3	424 Btuh
7	2, Clear, Metal, DEF	W	20.0	28.3	566 Btuh
8	2, Clear, Metal, DEF	E	16.0	28.3	453 Btuh
9	2, Clear, Metal, DEF	S	22.0	28.3	623 Btuh
10	2, Clear, Metal, DEF	S	20.0	28.3	566 Btuh
11	2, Clear, Metal, DEF	S	14.0	28.3	396 Btuh
12	2, Clear, Metal, DEF	S	10.0	28.3	283 Btuh
13	2, Clear, Metal, DEF	S	28.0	28.3	792 Btuh
14	2, Clear, Metal, DEF	S	18.0	28.3	509 Btuh
15	2, Clear, Metal, DEF	W	15.0	28.3	424 Btuh
16	2, Clear, Metal, DEF	W	4.0	28.3	113 Btuh
Window Total			302		8547 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	1317	3.1	4083 Btuh
2	Frame - Adjacent	13.0	316	1.6	506 Btuh
Wall Total			1633		4588 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exter		28	18.3	513 Btuh
2	Insulated - Adjac		18	9.4	169 Btuh
3	Insulated - Exter		20	18.3	367 Btuh
Door Total			66		1049 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	1990	1.3	2587 Btuh
Ceiling Total			1990		2587 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	236.0 ft(p)	31.6	7458 Btuh
Floor Total			236		7458 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.80	18610(sqft)	249	10666 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				249	10666 Btuh

Totals for Heating	Subtotal	34895 Btuh
	Duct Loss (using duct multiplier of 0.05)	1745 Btuh
	Total Heating Load	36639 Btuh

EnergyPlus v3.4

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
408092Bauhus

Class 3 Rating
Registration No. 0
Climate: North

, FL

9/2/2004

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types)

System Sizing Calculations - Summer

Residential Load - Component Details

Project Title:
408092Bauhus

Class 3 Rating
Registration No. 0
Climate: North

, FL

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

9/2/2004

Window	Type	Overhang Len Hgt	Window Area(sqft)			HTM		Load		
	Panes/SHGC/U/InSh/ExShOrnt		Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, DEF, N, N	N	1.5	5.5	45.0	0.0	45.0	22	22	990 Btuh
2	2, Clear, DEF, N, N	E	99	6	15.0	15.0	0.0	22	72	330 Btuh
3	2, Clear, DEF, N, N	N	8	6	27.0	0.0	27.0	22	22	594 Btuh
4	2, Clear, DEF, N, N	N	8	7	20.0	0.0	20.0	22	22	440 Btuh
5	2, Clear, DEF, N, N	NW	13	6	13.0	0.0	13.0	22	50	650 Btuh
6	2, Clear, DEF, N, N	N	11	6	15.0	0.0	15.0	22	22	330 Btuh
7	2, Clear, DEF, N, N	W	7.83	7	20.0	17.8	2.2	22	72	551 Btuh
8	2, Clear, DEF, N, N	E	1.5	5	16.0	1.0	15.0	22	72	1103 Btuh
9	2, Clear, DEF, N, N	S	0	0	22.0	0.0	22.0	22	37	814 Btuh
10	2, Clear, DEF, N, N	S	0	0	20.0	0.0	20.0	22	37	740 Btuh
11	2, Clear, DEF, N, N	S	8.83	10	14.0	14.0	0.0	22	37	308 Btuh
12	2, Clear, DEF, N, N	S	8.83	4	10.0	10.0	0.0	22	37	220 Btuh
13	2, Clear, DEF, N, N	S	0	0	28.0	0.0	28.0	22	37	1036 Btuh
14	2, Clear, DEF, N, N	S	1.5	5.5	18.0	18.0	0.0	22	37	396 Btuh
15	2, Clear, DEF, N, N	W	1.5	6	15.0	0.0	15.0	22	72	1080 Btuh
16	2, Clear, DEF, N, N	W	1.5	2	4.0	2.5	1.5	22	72	164 Btuh
Window Total					302					9746 Btuh
Walls	Type	R-Value	Area		HTM		Load			
1	Frame - Exterior	13.0	1317.0		1.7		2292 Btuh			
2	Frame - Adjacent	13.0	316.0		1.0		329 Btuh			
Wall Total			1633.0				2620 Btuh			
Doors	Type	R-Value	Area		HTM		Load			
1	Insulated - Exter		28.0		10.1		284 Btuh			
2	Insulated - Adjac		18.0		10.1		183 Btuh			
3	Insulated - Exter		20.0		10.1		203 Btuh			
Door Total			66.0				669 Btuh			
Ceilings	Type/Color	R-Value	Area		HTM		Load			
1	Under Attic/Dark	30.0	1990.0		1.4		2826 Btuh			
Ceiling Total			1990.0				2826 Btuh			
Floors	Type	R-Value	Size		HTM		Load			
1	Slab-On-Grade Edge Insulation	0.0	236.0 ft(p)		0.0		0 Btuh			
Floor Total			236.0				0 Btuh			
Infiltration	Type	ACH	Volume		CFM=		Load			
	Natural	0.70	18610		217.6		4308 Btuh			
	Mechanical				0		0 Btuh			
Infiltration Total					218		4308 Btuh			
Internal gain	Occupants	Btuh/occupant	Appliance		Load					
	6	X 300 +	1200		3000 Btuh					

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
408092Bauhus

Class 3 Rating
Registration No. 0
Climate: North

, FL

9/2/2004

Totals for Cooling	Subtotal	23169 Btuh
	Duct gain(using duct multiplier of 0.10)	2317 Btuh
	Total sensible gain	25486 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	7545 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	34410 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)

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 82.8

The higher the score, the more efficient the home.

, Lot: 74, Sub: Callaway, Plat: , , FL,

<p>1. New construction or existing New <input type="checkbox"/></p> <p>2. Single family or multi-family Single family <input type="checkbox"/></p> <p>3. Number of units, if multi-family 1 <input type="checkbox"/></p> <p>4. Number of Bedrooms 3 <input type="checkbox"/></p> <p>5. Is this a worst case? Yes <input type="checkbox"/></p> <p>6. Conditioned floor area (ft²) 1861 ft² <input type="checkbox"/></p> <p>7. Glass area & type Single Pane Double Pane</p> <p style="margin-left: 20px;">a. Clear glass, default U-factor 0.0 ft² 302.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. Default tint, default U-factor 0.0 ft² 0.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Labeled U-factor or SHGC 0.0 ft² 0.0 ft² <input type="checkbox"/></p> <p>8. Floor types</p> <p style="margin-left: 20px;">a. Slab-On-Grade Edge Insulation R=0.0, 236.0(p) ft <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>9. Wall types</p> <p style="margin-left: 20px;">a. Frame, Wood, Exterior R=13.0, 1317.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. Frame, Wood, Adjacent R=13.0, 316.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">d. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">e. N/A <input type="checkbox"/></p> <p>10. Ceiling types</p> <p style="margin-left: 20px;">a. Under Attic R=30.0, 1990.0 ft² <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>11. Ducts</p> <p style="margin-left: 20px;">a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 240.0 ft <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p>	<p>12. Cooling systems</p> <p style="margin-left: 20px;">a. Central Unit Cap: 43.0 kBtu/hr <input type="checkbox"/></p> <p style="margin-left: 40px;">SEER: 12.00 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>13. Heating systems</p> <p style="margin-left: 20px;">a. Electric Heat Pump Cap: 43.0 kBtu/hr <input type="checkbox"/></p> <p style="margin-left: 40px;">HSPF: 7.50 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. N/A <input type="checkbox"/></p> <p>14. Hot water systems</p> <p style="margin-left: 20px;">a. Electric Resistance Cap: 40.0 gallons <input type="checkbox"/></p> <p style="margin-left: 40px;">EF: 0.91 <input type="checkbox"/></p> <p style="margin-left: 20px;">b. N/A <input type="checkbox"/></p> <p style="margin-left: 20px;">c. Conservation credits <input type="checkbox"/></p> <p style="margin-left: 40px;">(HR-Heat recovery, Solar</p> <p style="margin-left: 40px;">DHP-Dedicated heat pump)</p> <p>15. HVAC credits <input type="checkbox"/></p> <p style="margin-left: 20px;">(CF-Ceiling fan, CV-Cross ventilation,</p> <p style="margin-left: 20px;">HF-Whole house fan,</p> <p style="margin-left: 20px;">PT-Programmable Thermostat,</p> <p style="margin-left: 20px;">MZ-C-Multizone cooling,</p> <p style="margin-left: 20px;">MZ-H-Multizone heating)</p>
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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)

CAM112M01 S CamaUSA Appraisal System
11/19/2004 16:15 Legal Description Maintenance
Year T Property Sel
2005 R 15-4S-16-03023-374

Columbia County
21500 Land 001
AG 000
Bldg 000
Xfea 000
21500 TOTAL B

BAUHUS INC

1	LOT 74 CALLAWAY S/D PHASE 3.	WD 1025-514.	2
3	.....	.....	4
5	.....	.....	6
7	.....	.....	8
9	.....	.....	10
11	.....	.....	12
13	.....	.....	14
15	.....	.....	16
17	.....	.....	18
19	.....	.....	20
21	.....	.....	22
23	.....	.....	24
25	.....	.....	26
27	.....	.....	28

Mnt 10/04/2004 KYLIE

F1=Task F3=Exit F4=Prompt F10=GoTo PGUP/PGDN F24=MoreKeys

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 11354
Address Bay Ave
City CC **Phone** 7521703

Site Location **Subdivision** Calloway
Lot# 74 **Block#** _____ **Permit#** # 22714
Address 235 Stafford Ct

AREAS TREATED

Area Treated	Date	Time	Gal.	Print Technician's Name
Main Body	_____	_____	_____	_____
Patio/s #	_____	_____	_____	_____
Stoop/s #	_____	_____	_____	_____
Porch/s #	_____	_____	_____	_____
Brick Veneer	_____	_____	_____	_____
Extension Walls	_____	_____	_____	_____
A/C Pad	_____	_____	_____	_____
Walk/s #	_____	_____	_____	_____
Exterior of Foundation	<u>9/26/05</u>	<u>1400</u>	<u>97</u>	<u>F254</u>
Driveway Apron	_____	_____	_____	_____
Out Building	_____	_____	_____	_____
Tub Trap/s	_____	_____	_____	_____
(Other)	_____	_____	_____	_____

Name of Product Applied TERMINATOR 8000g _____ %

Remarks Treatment completed.

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 11354

Address Baya Ave

City Lake City **Phone** 7521703

Site Location **Subdivision** Calloway

Lot# 74 **Block#** _____ **Permit#** 22714

Address 235 Stafford Court

AREAS TREATED

Area Treated	Date	Time	Gal.	<u>Print Technician's Name</u>
Main Body	3/8/05	1535	253	F259
Patio/s #	_____	_____	_____	_____
Stoop/s #	_____	_____	_____	_____
Porch/s #	_____	_____	_____	_____
Brick Veneer	_____	_____	_____	_____
Extension Walls	_____	_____	_____	_____
A/C Pad	_____	_____	_____	_____
Walk/s #	_____	_____	_____	_____
Exterior of Foundation	_____	_____	_____	_____
Driveway Apron	_____	_____	_____	_____
Out Building	_____	_____	_____	_____
Tub Trap/s	_____	_____	_____	_____
(Other)	_____	_____	_____	_____

Name of Product Applied DURS BAN TC 605% %

Remarks Extension not to grade.