

Columbia County Building Permit Application

ck 9622

For Office Use Only Application # 0712-02 Date Received 12/3/07 By GA Permit # 26546
Application Approved by - Zoning Official BLK Date 12.12.07 Plans Examiner OK JH Date 12-21-07
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments

☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Isaac Bratkovich Fax 719-4757
Address 2109 W. US Hwy 90, Suite 170, PMB #338 Lake City, FL 32050 Phone 719-7143
Owners Name Joseph + Cheryl Metzger Phone 752-1805
911 Address 263 SW William Young Lane Lake City, FL 32024
Contractors Name Isaac Construction Phone 719-7143
Address 2109 W US Hwy 90, Suite 170, PMB #338 Lake City, FL 32050
Fee Simple Owner Name & Address _____
Bonding Co. Name & Address _____
Architect/Engineer Name & Address Will Myers / Nick Geister
Mortgage Lenders Name & Address _____

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy

Property ID Number 1K55-16-03578-000 HX Estimated Cost of Construction \$158,000 -

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions Hwy 47 to Hwy 240, turn left at yellow light.
Go to Butzer Rd + turn right. Go to William Young Lane +
turn left. House will be built 1/4 mile on left.

Type of Construction Residence Number of Existing Dwellings on Property 0
Total Acreage 10.1 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
Actual Distance of Structure from Property Lines - Front 25'-0 Side 10'-0 Side 10'-0 Rear 15'-0
Total Building Height 25'-8" Number of Stories 1 Heated Floor Area 2040 Roof Pitch 12' 83' 8"

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 Authorized Person by Notarized Letter

STATE OF FLORIDA
COUNTY OF COLUMBIA



Barbara C. Webster
Commission # DD329279
Expires July 2, 2008
Bonded Troy Pain Insurance, Inc. 800-388-7619

Sworn to (or affirmed) and subscribed before me

on 29 day of Nov 2007

Personally known X or Produced Identification _____

Contractor Signature

Contractors License Number CBC059323

Competency Card Number _____

NOTARY STAMP/SEAL

Barbara C. Webster

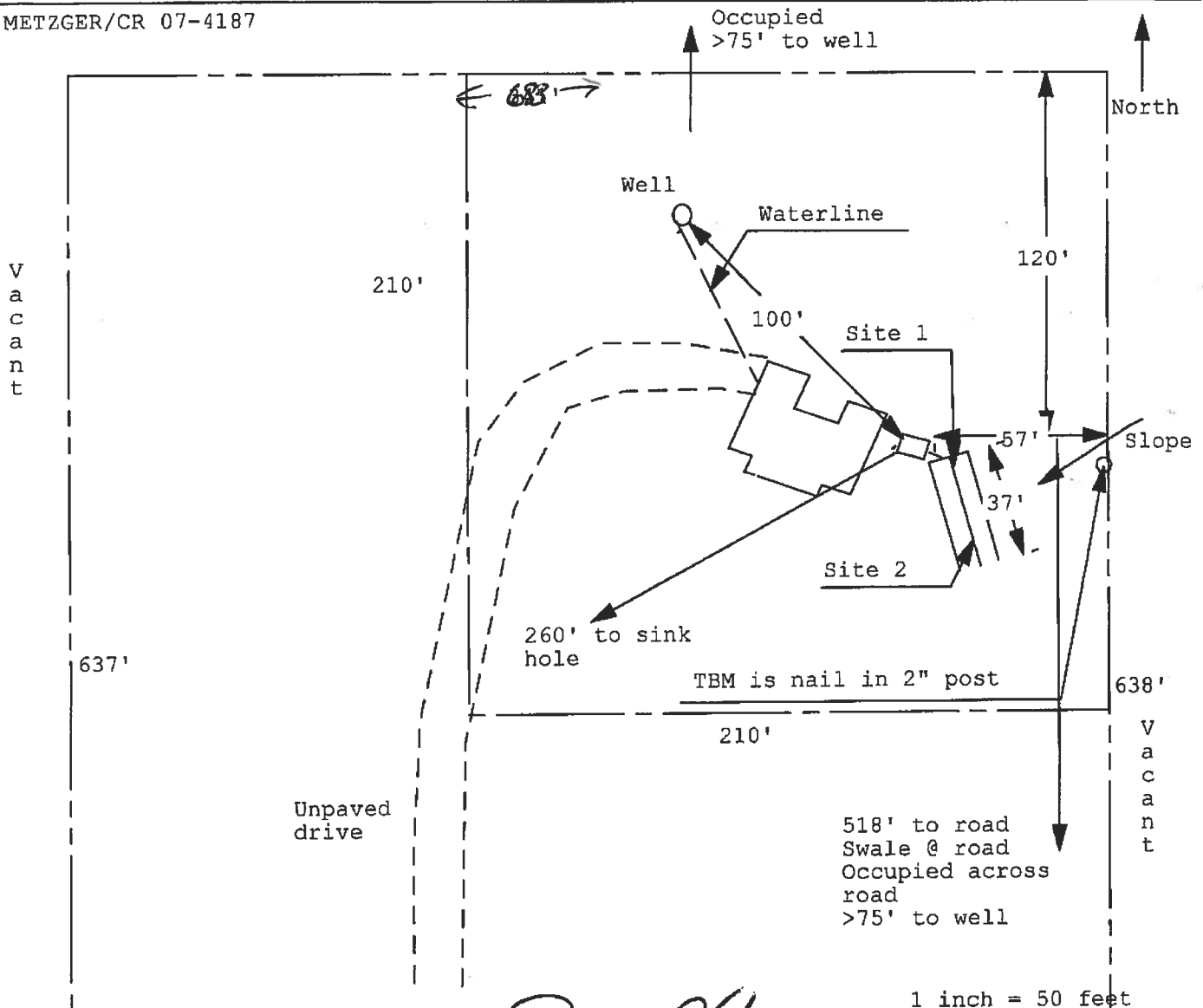
Notary Signature

(Revised Sept. 2006)

Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan
Permit Application Number: 07-0920

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

METZGER/CR 07-4187



Site Plan Submitted By Paul Lopez Date 11/30/07
Plan Approved ☒ Not Approved ☐ Date 12-19-07
By Mr. [Signature] Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Whole Building Performance Method A

Project Name: **Metzger Res.**
Address: **263 SW William Young Lane**
City, State: **Lake City, FL 32024-**
Owner:
Climate Zone: **North**

Builder: **Isaac Const.**
Permitting Office: **Columbia Co.**
Permit Number: **26546**
Jurisdiction Number: **221500**

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 49.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2040 ft ²	13. Heating systems	
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		a. Electric Heat Pump	Cap: 49.0 kBtu/hr
a. U-factor:	Description Area		HSPF: 7.20
(or Single or Double DEFAULT) 7a(Sngle Default) 270.0 ft ²		b. N/A	
b. SHGC:		c. N/A	
(or Clear or Tint DEFAULT) 7b. (Clear) 270.0 ft ²		14. Hot water systems	
8. Floor types		a. Electric Resistance	Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 220.0(p) ft		EF: 0.90
b. N/A		b. N/A	
c. N/A		c. Conservation credits	
9. Wall types		(HR-Heat recovery, Solar	
a. Frame, Wood, Exterior	R=13.0, 1796.0 ft ²	DHP-Dedicated heat pump)	
b. Frame, Wood, Adjacent	R=13.0, 133.0 ft ²	15. HVAC credits	
c. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
d. N/A		HF-Whole house fan,	
e. N/A		PT-Programmable Thermostat,	
10. Ceiling types		MZ-C-Multizone cooling,	
a. Under Attic	R=30.0, 2200.0 ft ²	MZ-H-Multizone heating)	
b. N/A			
c. N/A			
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 50.0 ft		
b. N/A			

Glass/Floor Area: 0.13

Total as-built points: 29646

Total base points: 29921

PASS

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

PREPARED BY: Jon Morris

DATE: 6-7-06

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: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: 263 SW William Young Lane, Lake City, FL, 32024-

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	2040.0	20.04	7358.7	Single, Clear	N	10.5	9.0	20.0	21.73	0.68	297.5			
				Single, Clear	W	11.5	9.0	54.0	43.84	0.47	1123.6			
				Single, Clear	S	1.5	9.0	6.0	40.81	0.94	231.2			
				Single, Clear	W	1.5	9.0	16.0	43.84	0.97	680.6			
				Single, Clear	N	1.5	9.0	6.0	21.73	0.98	127.2			
				Single, Clear	N	1.5	9.0	45.0	21.73	0.98	954.0			
				Single, Clear	E	1.5	9.0	30.0	47.92	0.97	1394.1			
				Single, Clear	E	9.5	10.0	60.0	47.92	0.53	1524.8			
				Single, Clear	S	1.5	9.0	15.0	40.81	0.94	577.9			
				Single, Clear	E	1.5	9.0	18.0	47.92	0.97	836.5			
				As-Built Total:							270.0	7747.4		
				WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points						
Adjacent	133.0	0.70	93.1	Frame, Wood, Exterior	13.0			1796.0	1.50	2694.0				
Exterior	1796.0	1.70	3053.2	Frame, Wood, Adjacent	13.0			133.0	0.60	79.8				
Base Total: 1929.0 3146.3				As-Built Total: 1929.0 2773.8										
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points										
Adjacent	20.0	1.60	32.0	Adjacent Insulated				20.0	1.60	32.0				
Exterior	0.0	0.00	0.0											
Base Total: 20.0 32.0				As-Built Total: 20.0 32.0										
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points										
Under Attic	2040.0	1.73	3529.2	Under Attic	30.0			2200.0	1.73 X 1.00	3806.0				
Base Total: 2040.0 3529.2				As-Built Total: 2200.0 3806.0										
FLOOR TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points										
Slab	220.0(p)	-37.0	-8140.0	Slab-On-Grade Edge Insulation	0.0			220.0(p)	-41.20	-9064.0				
Raised	0.0	0.00	0.0											
Base Total: -8140.0				As-Built Total: 220.0 -9064.0										
INFILTRATION Area X BSPM = Points				Area X SPM = Points										
2040.0 10.21 20828.4				2040.0 10.21 20828.4										

SUMMER CALCULATIONS**Residential Whole Building Performance Method A - Details**

ADDRESS: 263 SW William Young Lane, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT						
Summer Base Points: 26754.6				Summer As-Built Points: 26123.6						
Total Summer Points	X System Multiplier	=	Cooling Points	Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	=	Cooling Points
26754.6	0.4266		11413.5	(sys 1: Central Unit 49000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Att(AH),R6.0(INS) 26124	1.00	(1.09 x 1.000 x 1.11)	0.284	1.000		8989.5
26754.6	0.4266		11413.5	26123.6	1.00	1.210	0.284	1.000		8989.5

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 263 SW William Young Lane, Lake City, FL, 32024-

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	2040.0	12.74	4678.1	Single, Clear	N	10.5	9.0	20.0	33.22	1.02	677.9
				Single, Clear	W	11.5	9.0	54.0	28.84	1.19	1856.7
				Single, Clear	S	1.5	9.0	6.0	20.24	1.02	124.3
				Single, Clear	W	1.5	9.0	16.0	28.84	1.01	465.1
				Single, Clear	N	1.5	9.0	6.0	33.22	1.00	199.4
				Single, Clear	N	1.5	9.0	45.0	33.22	1.00	1495.6
				Single, Clear	E	1.5	9.0	30.0	26.41	1.02	804.7
				Single, Clear	E	9.5	10.0	60.0	26.41	1.27	2015.6
				Single, Clear	S	1.5	9.0	15.0	20.24	1.02	310.7
				Single, Clear	E	1.5	9.0	18.0	26.41	1.02	482.8
				As-Built Total:				270.0	8432.6		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	133.0	3.60	478.8	Frame, Wood, Exterior	13.0		1796.0	3.40		6106.4	
Exterior	1796.0	3.70	6645.2	Frame, Wood, Adjacent	13.0		133.0	3.30		438.9	
Base Total: 1929.0 7124.0				As-Built Total:		1929.0		6545.3			
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	20.0	8.00	160.0	Adjacent Insulated			20.0	8.00		160.0	
Exterior	0.0	0.00	0.0								
Base Total: 20.0 160.0				As-Built Total:		20.0		160.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2040.0	2.05	4182.0	Under Attic	30.0		2200.0	2.05 X 1.00		4510.0	
Base Total: 2040.0 4182.0				As-Built Total:		2200.0		4510.0			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	220.0(p)	8.9	1958.0	Slab-On-Grade Edge Insulation	0.0		220.0(p)	18.80		4136.0	
Raised	0.0	0.00	0.0								
Base Total: 1958.0				As-Built Total:		220.0		4136.0			
INFILTRATION Area X BWPM = Points						Area X WPM = Points					
2040.0 -0.59 -1203.6						2040.0 -0.59		-1203.6			

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: 263 SW William Young Lane, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT						
Winter Base Points: 16898.5				Winter As-Built Points: 22580.3						
Total Winter Points	X	System Multiplier	= Heating Points	Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier (1.069 x 1.000 x 1.10)	X System Multiplier	X Credit Multiplier	= Heating Points	
16898.5		0.6274	10602.1	(sys 1: Electric Heat Pump 49000 btuh ,EFF(7.2) Ducts:Unc(S),Unc(R),Att(AH),R6.0 22580.3	1.000	1.176	0.474	1.000	12575.4	
				22580.3	1.00	1.176	0.474	1.000	12575.4	

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

ADDRESS: 263 SW William Young Lane, Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier
Bedrooms									
3		2635.00		7905.0	50.0	0.90	3	1.00	2693.56
									1.00
									8080.7
					As-Built Total:				8080.7

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling	+	Heating	+	Hot Water	=	Total	
Points		Points		Points		Points	
11414		10602		7905		29921	
8990		12575		8081		29646	

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 263 SW William Young Lane, Lake City, FL, 32024-

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 612.1.ABC.3.2. 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.	

Tested sealed ducts must be certified in this house.

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.5

The higher the score, the more efficient the home.

, 263 SW William Young Lane, Lake City, FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 49.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	No	c. N/A	
6. Conditioned floor area (ft ²)	2040 ft ²		
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		13. Heating systems	
a. U-factor:	Description Area	a. Electric Heat Pump	Cap: 49.0 kBtu/hr
(or Single or Double DEFAULT)	7a(Sngle Default) 270.0 ft ²		HSPF: 7.20
b. SHGC:		b. N/A	
(or Clear or Tint DEFAULT)	7b. (Clear) 270.0 ft ²	c. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 220.0(p) ft	14. Hot water systems	
b. N/A		a. Electric Resistance	Cap: 50.0 gallons
c. N/A			EF: 0.90
9. Wall types		b. N/A	
a. Frame, Wood, Exterior	R=13.0, 1796.0 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 133.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2200.0 ft ²	PT-Programmable Thermostat,	
b. N/A		MZ-C-Multizone cooling,	
c. N/A		MZ-H-Multizone heating)	
11. Ducts(Leak Free)			
a. Sup: Unc. Ret: Unc. AH: Attic	Sup. R=6.0, 50.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



**NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM 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.*

1 Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge® (Version: FLRCPB v4.1)

Energy Code Compliance

Duct System Performance Report

Project Name: Metzger Res. Address: 263 SW William Young Lane City, State: Lake City, FL 32024- Owner: Climate Zone: North	Builder: Permitting Office: Permit Number: Jurisdiction Number:
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Total Duct System Leakage Test Results

CFM25 Total Duct Leakage Test Values			
Line	System	Duct Leakage Total	Duct Leakage to Outdoors
1	System1	_____ cfm25(tot)	_____ cfm25(out)
2	System2	_____ cfm25(tot)	_____ cfm25(out)
3	System3	_____ cfm25(tot)	_____ cfm25(out)
4	System4	_____ cfm25(tot)	_____ cfm25(out)
5	Total House Duct System Leakage	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,tot}) <input type="checkbox"/> Receive credit if Q _{n,tot} ≤ 0.03	Sum lines 1-4 _____ Divide by _____ (Total Conditioned Floor Area) = _____ (Q _{n,out}) <input type="checkbox"/> Receive credit if Q _{n,out} ≤ 0.03 AND Q _{n,tot} ≤ 0.09

I hereby certify that the above duct testing performance results demonstrate compliance with the Florida Energy Code requirements in accordance with Section 610.1.A.1, Florida Building Code, Building Volume, Chapter 13 for leak free duct system credit.

Signature: _____
Printed Name: _____
Florida Rater Certification #: _____
DATE: _____

Florida Building Code requires that testing to confirm leak free duct systems be performed by a Class 1 Florida Energy Gauge Certified Energy Rater. Certified Florida Class 1 raters can be found at: <http://energygauge.com/search.htm>



BUILDING OFFICIAL: _____
DATE: _____

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

THE UNDERSIGNED hereby gives notice that improvement will be made to certain real property, and in accordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.

Tax Parcel ID Number 11-55-16-03578-000 HX

1. Description of property: (legal description of the property and street address or 911 address)

263 SW William Young Lane LC 32024

COMM SE COR OF NE1/4 OF NW1/4 OF SW1/4,
RUN N 25.01 FT TO N R/W YOUNG RD FOR POB,
CONT N 638.09 FT, W 683.63 FT, S 637.89 FT TO
N R/W YOUNG RD, E 683.63 FT TO POB. ORB 829-
129, 131, 872-1037,

2. General description of improvement: Residential Dwelling

3. Owner Name & Address Joseph + Cheryl Metzger P O Box 1796
Lake City, FL 32056 Interest in Property Residence

4. Name & Address of Fee Simple Owner (if other than owner):

5. Contractor Name JPAC Construction Phone Number 719-7143
Address 2109 W US Hwy 90,

6. Surety Holders Name

Address

Amount of Bond N/A

Inst: 200712026526 Date: 12/3/2007 Time: 11:06 AM
✓ DC, P. DeWitt Cason, Columbia County Page 1 of 1

7. Lender Name

Address

Phone Number

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

Name

Phone Number

Address

9. In addition to himself/herself the owner designates

of

to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -

(a) 7. Phone Number of the designee

10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording, (Unless a different date is specified))

NOTICE AS PER CHAPTER 713, Florida Statutes:

The owner must sign the notice of commencement and no one else may be permitted to sign in his/her stead.

Barbara C. Webster

Commission # DD329279

Expires July 2, 2008

Bonded Troy Pain Insurance, Inc. 800-344-7777

Sworn to (or affirmed) and subscribed before
of Barbara C. Webster 2007

NOTARY STAMP/SEAL

Signature of Owner

Joseph J. Metzger

Columbia County Property Appraiser

DB Last Updated: 11/15/2007

2008 Proposed Values

Tax Record

Property Card

Interactive GIS Map

Print

Parcel: 11-5S-16-03578-000 HX

Search Result: 1 of 1

Owner & Property Info

Owner's Name	METZGER JOSEPH J & CHERYL A		
Site Address			
Mailing Address	P O BOX 1796 LAKE CITY, FL 32056		
Use Desc. (code)	IMPROVED A (005000)		
Neighborhood	11516.00	Tax District	3
UD Codes	MKTA01	Market Area	01
Total Land Area	10.010 ACRES		
Description	COMM SE COR OF NE1/4 OF NW1/4 OF SW1/4, RUN N 25.01 FT TO N R/W YOUNG RD FOR POB, CONT N 638.09 FT, W 683.63 FT, S 637.89 FT TO N R/W YOUNG RD, E 683.63 FT TO POB. ORB 829- 129, 131, 872-1037,		

GIS Aerial



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$14,976.00
Ag Land Value	cnt: (1)	\$1,621.00
Building Value	cnt: (1)	\$101,575.00
XFOB Value	cnt: (3)	\$2,000.00
Total Appraised Value		\$120,172.00

Just Value	\$183,423.00
Class Value	\$120,172.00
Assessed Value	\$93,085.00
Exempt Value	(code: HX) \$25,000.00
Total Taxable Value	\$68,085.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
12/30/1998	872/1037	WD	I	Q		\$91,700.00
10/3/1996	829/131	WD	I	Q		\$64,600.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
2	SINGLE FAM (000100)	1998	Vinyl Side (31)	1872	2760	\$101,575.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0190	FPLC PF	1998	\$1,600.00	1.000	0 x 0 x 0	(.00)
0040	BARN, POLE	1998	\$300.00	1.000	16 x 40 x 0	(.00)
0294	SHED WOOD/	1998	\$100.00	1.000	8 x 10 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 AC	1.00/1.00/1.00/1.00	\$14,976.00	\$14,976.00

>> Print as PDF <<

COMM SE COR OF NE1/4 OF NW1/4 METZGER JOSEPH J & CHERYL A 11-5S-16-03578-000 Columbia Cou
 OF SW1/4, RUN N 25.01 FT TO N P O BOX 1796
 R/W YOUNG RD FOR POB, CONT N LAKE CITY, FL 32056
 638.09 FT, W 683.63 FT, S PRINTED 11/15/2007 17:24
 APPR 3/02/2004 HC

BUSE	000100	SINGLE FAM	AE? Y	1872	HTD AREA	106.021	INDEX	11516.00	DIST 3	PUSE	0050
MOD	1	SFR	BATH	2.50	2159	EFF AREA	53.011	E-RATE	100.000	INDX	STR 11- 5S- 16
EXW	31	VINYL SID	FIXT		114451	RCN		1998	AYB	MKT AREA 01	
%	0000000000	BDRM	3	88.75	%GOOD	101,575	B BLDG VAL	1998	EYB	(PUD1	
RSTR	03	GABLE/HIP	RMS							AC	10.010
RCVR	03	COMP SHNGL	UNTS		FIELD CK:		HX AppYr 1999			NTCD	
%	N/A	C-W%			LOC: --					APPR CD	
INTW	05	DRYWALL	HGHT							CNDO	
%	N/A	PMTR			+----24----					SUBD	
FLOR	14	CARPET	STYS	1.0	IFDU1998	I				BLK	
10%	15	HARDTILE	ECON		+----24----					LOT	
HTTP	04	AIR DUCTED	FUNC		1PTO1998	1				MAP#	
A/C	03	CENTRAL	SPCD		1	1				HX	
QUAL	05	05	DEPR 52		+----24----					TXDT	003
FNDN	N/A	UD-1	N/A								
SIZE	03	RECTANGLE	UD-2	N/A		+----24----				BLDG TRA	
CEIL	N/A	UD-3	N/A		IFOP1998	I				BAS1998=W32 S24 E28 FOP	
ARCH	N/A	UD-4	N/A		+----24----					4\$ E4 S12 E24 N46 FOP19	
FRME	01	NONE	UD-5	N/A	1	I				W24 S10\$ PTR1998=N30 1	
KTCH	01	01	UD-6	N/A	0	I				8=N12 W24 S12 E24\$ W24	
WIND	N/A	UD-7	N/A		+-----32-----	I					
CLAS	N/A	UD-8	N/A		IBAS1998	I					
OCC	N/A	UD-9	N/A		2	4					
COND	03	03	%	N/A	4	6				PERMIT	
SUB	A-AREA	%	E-AREA	SUB VALUE	I	I				NUMBER	DESC
BAS98	1872	100	1872	88073	+-----28-----	I				13993	REMODEL
FOP98	336	30	101	4752	11	I					
PTO98	264	5	13	611	22	I					
FDU98	288	60	173	8139	+FOP19984----					SALE	
										BOOK	PAGE
										872	1037 12/30/1991
										GRANTOR	WESTFIELD GROUP
										GRANTEE	METZGER (10.01
										829	131 10/03/1991
										GRANTOR	ROBERT & MATTIE
										GRANTEE	WESTFIELD GROUP

TOTAL 2760 2159 101575 -----

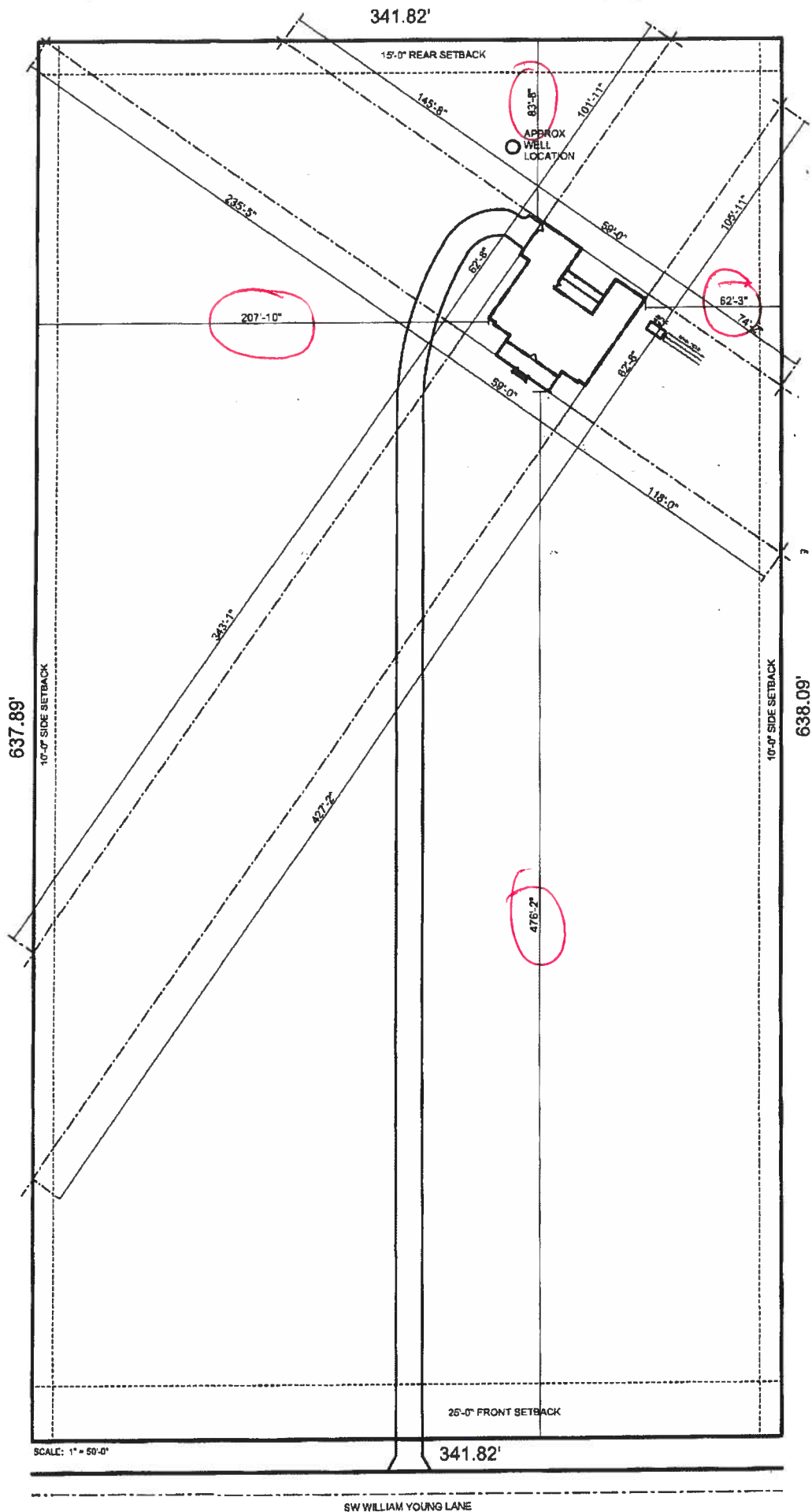
-----EXTRA FEATURES----- FIELD CK:

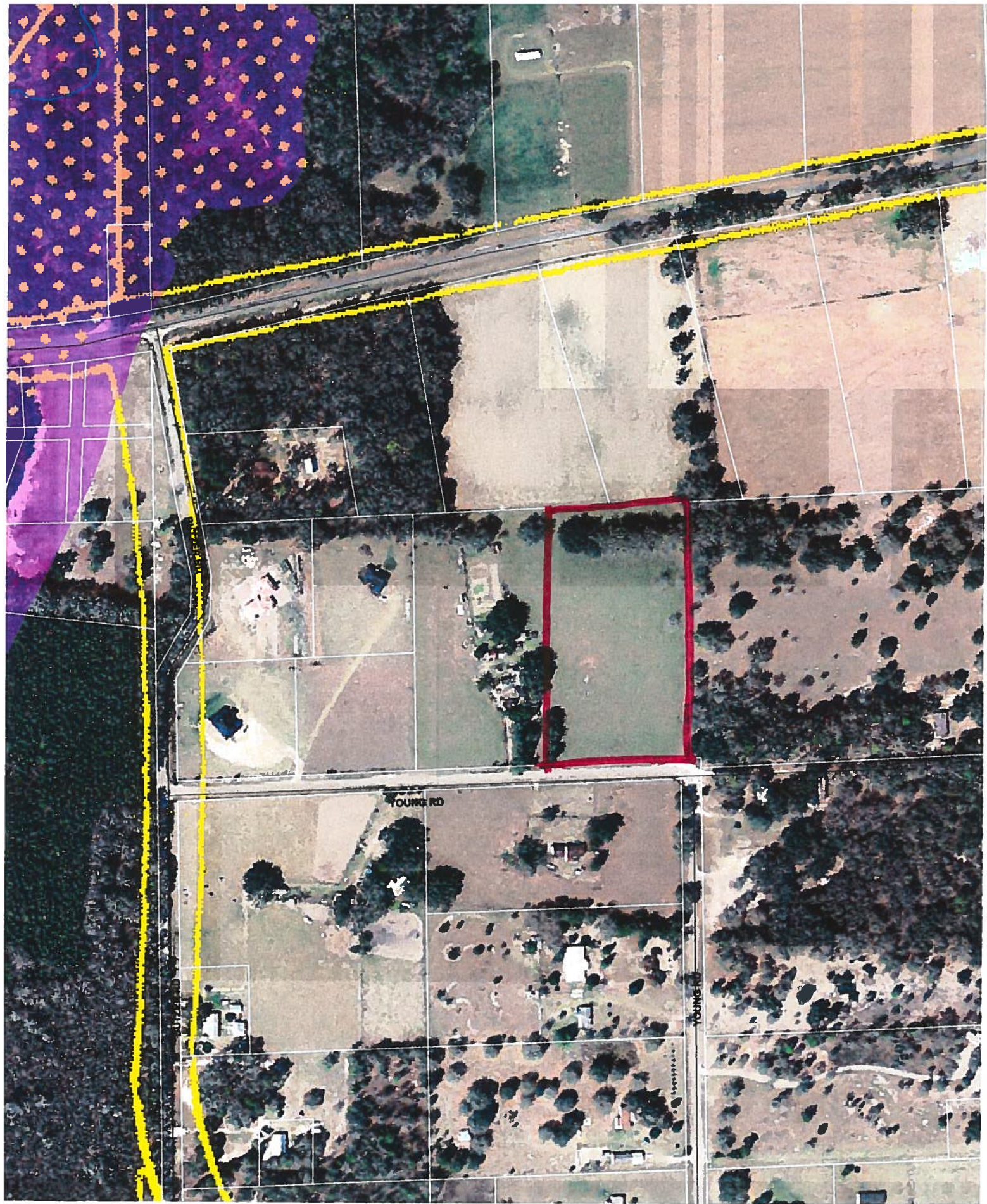
AE BN	CODE	DESC	LEN	WID	HGHT	QTY	QL	YR	ADJ	UNITS	UT	PRICE	ADJ	UT	PR	SPCD	%
Y	0190	FPLC PF				1		1998	1.00	1.000	UT	1600.000		1600.000			
Y	0040	BARN, POLE	16	40		1		1998	1.00	1.000	UT	300.000		300.000			
Y	0294	SHED WOOD/VI	8	10		1		1998	1.00	1.000	UT	100.000		100.000			

LAND	DESC	ZONE	ROAD	{UD1	{UD3	FRONT	DEPTH	FIELD CK:	UNITS	UT	PRICE	ADJ	UT	PR
AE	CODE	TOPO	UTIL	{UD2	{UD4	BACK	DT	ADJUSTMENTS						
Y	000100	SFR	A-1	0003				1.00 1.00 1.00 1.00	1.000	AC	14976.000		14976.0	
			0002	0003										
N	006200	PASTURE 3	A-1	0003				1.00 1.00 1.00 1.00	9.010	AC	180.000		180.0	
			0002	0003										
N	009910	MKT.VAL.AG	A-1	0003				1.00 1.00 1.00 1.00	9.010	AC				
			0002	0003							7200.000		7200.0	

2008

metzger





0712-02

SECTION 11, T11N, R11W

END CM. LS 1079.
6.43' E OF
PROPERTY CORNER

S 87°09'04" W 1173.66'

NORTH LINE OF SW 1/4

683.63'

EAST 5 ACRES

22.17'

S 1°32'39" E 637.89'

PARCEL "A"

10.01 ACRES

EAST LINE OF NE 1/4
OF NW 1/4 OF SW 1/4

N 1°32'39" W 638.09'

J.B.

22.58'

LS 1443

NORTH R/W LINE OF YOUNG ROAD

341.82

683.63'

P.O.B.

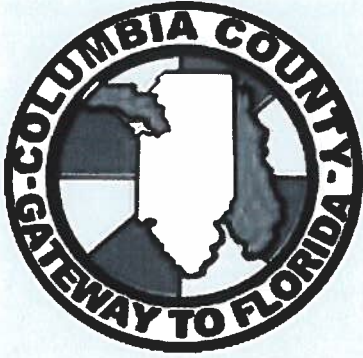
341.82

LS 1443

25.01'

LS 1443

0



Columbia County, Florida Planning & Zoning Department

Review of Building Permit for compliance with
County's Comprehensive Plan and
Land Development Regulations

To: Roxanne Naiper

Fax: 386.719.4757

From : Brian L. Kepner, County Planner

Fax: 386.758.2160

Number of pages : 1

Date : 11 December 2007

RE: Building Permit Application 0712-02, Joseph Metzger

Dear Roxanne:

The above referenced application indicates a ten (10) acre parcel, however the site plan shows a five (5) acre parcel. Accompanying the application is conflicting information as to where on the ten (10) acre parcel the proposed house is being placed. Is it on the east five (5) acres or on the west five (5) acres? The application also indicates that there are no dwelling units on the ten (10) acres, however the property appraiser indicates there is a house located on the parcel and the HX in the tax parcel ID # indicates that it is being homesteaded. The existing house appears to be located on the western portion of the property. Please provide information as to which side of the ten (10) acre parcel this house will be constructed on. Once again on the application you have given minimum setback requirements from the Land Development Regulations (LDR's). The setback given on the application are from the RSF-2 zoning district and do not meet the requirements for setbacks in an Agriculture-3 (A-3) zoning district. The numbers that are suppose to be placed on the application for setbacks are to be the actual distance to the property lines as indicated on the site plan.

If you have any questions concerning this matter, please do not hesitate to contact me at 386.758.1007.

Sincerely,

A handwritten signature in black ink, appearing to read "B. Kepner", written over a horizontal line.

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

Confidentiality Notice: This facsimile transmission is confidential and is intended only for the review of the party to whom it is addressed. It may contain proprietary and/or privileged information protected by law. If you are not the intended recipient, you may not use, copy or distribute this facsimile message or its attachments. If you have received this transmission in error, please immediately telephone the sender above to arrange for its return.

THIS INSTRUMENT WAS PREPARED BY OFFICIAL RECORDS

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

99-00180

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL

1999 JAN -6 PM 3:50

RETURN TO:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 98-244

Grantee No. 1 S.S. No. [REDACTED]

Grantee No. 2 S.S. No. [REDACTED]

Property Appraiser's
Parcel Identification No.
11-56-16-03578-000

WARRANTY DEED

THIS INDENTURE, made this 30th day of December 1998, BETWEEN WESTFIELD GROUP, LTD., a Florida Limited Partnership, whose post office address is Post Office Box 3566, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantor*, and JOSEPH J. METZGER and his wife, CHERYL A. METZGER, whose post office address is Post Office Box 1796, Lake City, Florida 32056, of the County of Columbia, State of Florida, grantees*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 5 SOUTH - RANGE 16 EAST

SECTION 11: Commence at the Southeast corner of NE 1/4 of NW 1/4 of SW 1/4 of Section 11, Township 5 South, Range 16 East, Columbia County, Florida and run thence N 1°32'39"W along the East line of said NE 1/4 of NW 1/4 of SW 1/4, 25.01 feet to the North Right-of-Way line of Young Road and the POINT OF BEGINNING; thence continue N 1°32'39"W along said East line, 638.09 feet to the North line of the SW 1/4; thence S 87°09'04"W along said North line, 683.63 feet; thence S 1°32'39"E, 637.89 feet to the North Right-of-Way line of Young Road; thence N 87°10'02"E along said North Right-of-Way line, 683.63 feet to the POINT OF BEGINNING.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

Documentary Stamp \$ 641.90
Intangible Tax BT
P. Dewitt Cason
Clerk of Court
By YMK D.C.

and said grantor does hereby fully warrant the title to said land,
and will defend the same against the lawful claims of all persons
whomsoever. BK 0872 PG 1098

"Grantor" and "grantee" are used for singular or plural, as
context requires. OFFICIAL RECORDS

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand
and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

WESTFIELD GROUP, LTD., a
Florida Limited Partnership

Terry McDavid
First Witness

(Printed Name)

Myrtle Ann McElroy
Second Witness

(Printed Name)

By: Charles S. Sparks

Charles S. Sparks
General Partner

By: Scott D. Stewart

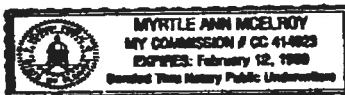
Scott D. Stewart
General Partner

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 30th
day of December 1998, by CHARLES S. SPARKS and SCOTT D. STEWART,
General Partners of WESTFIELD GROUP, LTD., a Florida Limited
Partnership, on behalf of the partnership. They are personally
known to me and did not take an oath.

Myrtle Ann McElroy
Notary Public

My commission expires: _____



Any Questions
please call
goe metzger
at
867-0130

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number
1. EXTERIOR DOORS			
A. SWINGING	PlastPRO INC	3068 x 6068 Fiberglass	4760.1 & 2
B. SLIDING	CAPITAL	806S	7055.1
C. SECTIONAL	Raynor	Classic Sectional Garage Door	FL-3070
D. ROLL UP	Janus	Model 3100 - Rolling Sheet Door	FL-2274
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	CAPITAL	48 x 84	6029.7
B. HORIZONTAL SLIDER	CAPITAL	126 x 59	6024.4
C. CASEMENT			
D. DOUBLE HUNG	Danridge	Single Hung windows	FL1369
E. FIXED	CAPITAL	96 x 72	6028.20
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	Alcoa	vinyl siding	FL1621
B. SOFFITS	ASI Building Pro.	Aluminum & vinyl soffit	FL5546 1 & 2
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	TAMKO	30-YEAR Shingles asphalt	FL673
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			

ROOF SYSTEMS		
J. MODIFIED BITUMEN		
K. SINGLE PLY ROOF SYSTEMS		
L. ROOFING SLATE		
M. CEMENTS-ADHESIVES COATINGS		

Category/Subcategory	Manufacturer	Product Description	Approval Number
N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS	Simpson Strong	Wood connectors/anchors	FL1474
B. TRUSS PLATES	Alpine Engineered	Product - Alpine Truss Plates	FL999
C. ENGINEERED LUMBER	LPEWP	Laminated Beams, I Joist	FL1511
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of the products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Roanne Naper
APPLICANT SIGNATURE

12-6-06
DATE

L:/GENERAL/STATEPROD.XLS



Lake City (386) 755-3611
Gainesville (352) 494-5751
Fax (386) 755-3885
Toll Free 1-800-616-4707

Notice of Intent for Preventative Treatment for Termites
(as required by Florida Building Code (FBC) 104.2.6)

Aspen Pest Control, Inc.
(386) 755-3611
State License # - JB109476
State Certification # - JF104376

(Metzger) 263 SW William Young Lane Lake City, FL 32024 (Isaac Construction)
Address of Treatment or Lot/Block of Treatment

Bora-Care Wood Treatment – 23% Disodium Octaborate Tetrahydrate
(Method of Termite Prevention Treatment – Soil Barrier, Wood Treatment, Bait System, Other)

Application onto Structural Wood
Description of Treatment

The above named structure will receive a complete treatment for the prevention of subterranean termites at the dried-in stage of construction. Treatment is done in accordance with the rules and laws established by the Florida Department of Agriculture and Consumer Services and according to EPA registered label directions as stated in Florida Building Code Section 1861.1.8

Michelle Fischer
Authorized Signature

11-29-07
Date

Residential System Sizing Calculation

Summary

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

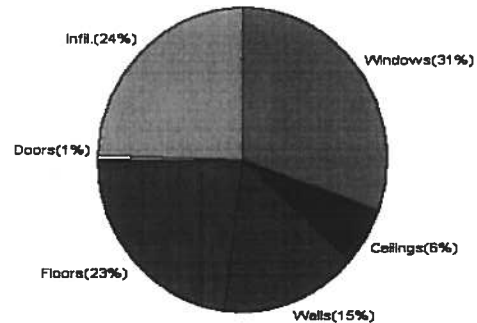
6/7/2006

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	41395 Btuh	Total cooling load calculation	39751 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.4 49000	Sensible (SHR = 0.75)	119.6 36750
Heat Pump + Auxiliary(0.0kW)	118.4 49000	Latent	135.7 12250
		Total (Electric Heat Pump)	123.3 49000

WINTER CALCULATIONS

Winter Heating Load (for 2040 sqft)

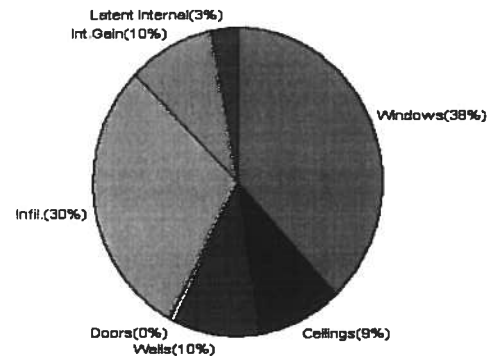
Load component			Load	
Window total	270 sqft		12687	Btuh
Wall total	1929 sqft		6335	Btuh
Door total	20 sqft		259	Btuh
Ceiling total	2200 sqft		2592	Btuh
Floor total	220 sqft		9605	Btuh
Infiltration	245 cfm		9916	Btuh
Duct loss			0	Btuh
Subtotal			41395	Btuh
Ventilation	0 cfm		0	Btuh
TOTAL HEAT LOSS			41395	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2040 sqft)

Load component			Load	
Window total	270 sqft		15171	Btuh
Wall total	1929 sqft		3947	Btuh
Door total	20 sqft		196	Btuh
Ceiling total	2200 sqft		3643	Btuh
Floor total			0	Btuh
Infiltration	214 cfm		3986	Btuh
Internal gain			3780	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0 cfm		0	Btuh
Total sensible gain			30723	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			7828	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			9028	Btuh
TOTAL HEAT GAIN			39751	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: Jon Morris

DATE: 6-7-06

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

6/7/2006

Component Loads for Whole House						
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	1, Clear, Metal, 1.27	N	20.0		47.0	940 Btuh
2	1, Clear, Metal, 1.27	W	54.0		47.0	2537 Btuh
3	1, Clear, Metal, 1.27	S	6.0		47.0	282 Btuh
4	1, Clear, Metal, 1.27	W	16.0		47.0	752 Btuh
5	1, Clear, Metal, 1.27	N	6.0		47.0	282 Btuh
6	1, Clear, Metal, 1.27	N	45.0		47.0	2115 Btuh
7	1, Clear, Metal, 1.27	E	30.0		47.0	1410 Btuh
8	1, Clear, Metal, 1.27	E	60.0		47.0	2819 Btuh
9	1, Clear, Metal, 1.27	S	15.0		47.0	705 Btuh
10	1, Clear, Metal, 1.27	E	18.0		47.0	846 Btuh
	Window Total		270(sqft)			12687 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1796		3.3	5898 Btuh
2	Frame - Wood - Adj(0.09)	13.0	133		3.3	437 Btuh
	Wall Total		1929			6335 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
	Door Total		20			259Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2200		1.2	2592 Btuh
	Ceiling Total		2200			2592Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	220.0	ft(p)	43.7	9605 Btuh
	Floor Total		220			9605 Btuh
	Zone Envelope Subtotal:					31479 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		Load
	Natural	0.80	18360	244.8		9916 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					41395 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

6/7/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	41395 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41395 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)



For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

6/7/2006

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	1, Clear, Metal, 1.27	N	20.0	47.0	940 Btuh
2	1, Clear, Metal, 1.27	W	54.0	47.0	2537 Btuh
3	1, Clear, Metal, 1.27	S	6.0	47.0	282 Btuh
4	1, Clear, Metal, 1.27	W	16.0	47.0	752 Btuh
5	1, Clear, Metal, 1.27	N	6.0	47.0	282 Btuh
6	1, Clear, Metal, 1.27	N	45.0	47.0	2115 Btuh
7	1, Clear, Metal, 1.27	E	30.0	47.0	1410 Btuh
8	1, Clear, Metal, 1.27	E	60.0	47.0	2819 Btuh
9	1, Clear, Metal, 1.27	S	15.0	47.0	705 Btuh
10	1, Clear, Metal, 1.27	E	18.0	47.0	846 Btuh
Window Total			270(sqft)		12687 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1796	3.3	5898 Btuh
2	Frame - Wood - Adj(0.09)	13.0	133	3.3	437 Btuh
Wall Total			1929		6335 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
Door Total			20		259Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	2200	1.2	2592 Btuh
Ceiling Total			2200		2592Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	220.0 ft(p)	43.7	9605 Btuh
Floor Total			220		9605 Btuh
Zone Envelope Subtotal:					31479 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	Load
	Natural	0.80	18360	244.8	9916 Btuh
Ductload	Proposed leak free, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				41395 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

6/7/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	41395 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	41395 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)



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System Sizing Calculations - Summer

Residential Load - Whole House Component Details

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

6/7/2006

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, Clear, 1.27, None,N,N	N	10.5f	9ft.	20.0	0.0	20.0	37	37	749	Btuh	
2	1, Clear, 1.27, None,N,N	W	11.5f	9ft.	54.0	54.0	0.0	37	94	2023	Btuh	
3	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	6.0	6.0	0.0	37	43	225	Btuh	
4	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.0	0.0	16.0	37	94	1505	Btuh	
5	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	37	37	225	Btuh	
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	45.0	0.0	45.0	37	37	1685	Btuh	
7	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh	
8	1, Clear, 1.27, None,N,N	E	9.5ft	10ft.	60.0	34.6	25.4	37	94	3684	Btuh	
9	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	15.0	15.0	0.0	37	43	562	Btuh	
10	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	18.0	0.0	18.0	37	94	1693	Btuh	
Window Total					270 (sqft)					15171 Btuh		
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load				
1	Frame - Wood - Ext	13.0/0.09		1796.0		2.1		3746 Btuh				
2	Frame - Wood - Adj	13.0/0.09		133.0		1.5		201 Btuh				
Wall Total					1929 (sqft)				3947 Btuh			
Doors	Type			Area (sqft)		HTM		Load				
1	Insulated - Adjacent			20.0		9.8		196 Btuh				
Door Total					20 (sqft)				196 Btuh			
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load				
1	Vented Attic/DarkShingle	30.0		2200.0		1.7		3643 Btuh				
Ceiling Total					2200 (sqft)				3643 Btuh			
Floors	Type	R-Value		Size		HTM		Load				
1	Slab On Grade	0.0		220 (ft(p))		0.0		0 Btuh				
Floor Total					220.0 (sqft)				0 Btuh			
Zone Envelope Subtotal:										22957 Btuh		
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load				
	SensibleNatural	0.70		18360		214.2		3986 Btuh				
Internal gain	Occupants		Btuh/occupant		Appliance		Load					
	6		X 230 +		2400		3780 Btuh					
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)							DGM = 0.00		0.0 Btuh		
Sensible Zone Load										30723 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

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WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30723 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30723 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30723 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7828 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9028 Btuh
	TOTAL GAIN	39751 Btuh

*Key: Window types (Pn - Number of panes of glass)

(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(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



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System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

6/7/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	1, Clear, 1.27, None,N,N	N	10.5f	9ft.	20.0	0.0	20.0	37	37	749	Btuh	
2	1, Clear, 1.27, None,N,N	W	11.5f	9ft.	54.0	54.0	0.0	37	94	2023	Btuh	
3	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	6.0	6.0	0.0	37	43	225	Btuh	
4	1, Clear, 1.27, None,N,N	W	1.5ft	9ft.	16.0	0.0	16.0	37	94	1505	Btuh	
5	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	6.0	0.0	6.0	37	37	225	Btuh	
6	1, Clear, 1.27, None,N,N	N	1.5ft	9ft.	45.0	0.0	45.0	37	37	1685	Btuh	
7	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	30.0	0.0	30.0	37	94	2821	Btuh	
8	1, Clear, 1.27, None,N,N	E	9.5ft	10ft.	60.0	34.6	25.4	37	94	3684	Btuh	
9	1, Clear, 1.27, None,N,N	S	1.5ft	9ft.	15.0	15.0	0.0	37	43	562	Btuh	
10	1, Clear, 1.27, None,N,N	E	1.5ft	9ft.	18.0	0.0	18.0	37	94	1693	Btuh	
	Window Total				270 (sqft)					15171 Btuh		
Walls	Type		R-Value/U-Value		Area(sqft)		HTM		Load			
1	Frame - Wood - Ext		13.0/0.09		1796.0		2.1		3746 Btuh			
2	Frame - Wood - Adj		13.0/0.09		133.0		1.5		201 Btuh			
	Wall Total				1929 (sqft)				3947 Btuh			
Doors	Type				Area (sqft)		HTM		Load			
1	Insulated - Adjacent				20.0		9.8		196 Btuh			
	Door Total				20 (sqft)				196 Btuh			
Ceilings	Type/Color/Surface		R-Value		Area(sqft)		HTM		Load			
1	Vented Attic/DarkShingle		30.0		2200.0		1.7		3643 Btuh			
	Ceiling Total				2200 (sqft)				3643 Btuh			
Floors	Type		R-Value		Size		HTM		Load			
1	Slab On Grade		0.0		220 (ft(p))		0.0		0 Btuh			
	Floor Total				220.0 (sqft)				0 Btuh			
	Zone Envelope Subtotal:									22957 Btuh		
Infiltration	Type		ACH		Volume(cuft)		CFM=		Load			
	SensibleNatural		0.70		18360		214.2		3986 Btuh			
Internal gain			Occupants		Btuh/occupant		Appliance		Load			
			6		X 230 +		2400		3780 Btuh			
Duct load	Proposed leak free, R6.0, Supply(Attic), Return(Attic)								DGM = 0.00		0.0 Btuh	
	Sensible Zone Load									30723 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

Code Only
Professional Version
Climate: North

6/7/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	30723 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	30723 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	30723 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	7828 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	9028 Btuh
	TOTAL GAIN	39751 Btuh

*Key: Window types (Pn - Number of panes of glass)

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(U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))

(ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



For Florida residences only

Residential Window Diversity

MidSummer

263 SW William Young Lane
Lake City, FL 32024-

Project Title:
Metzger Res.

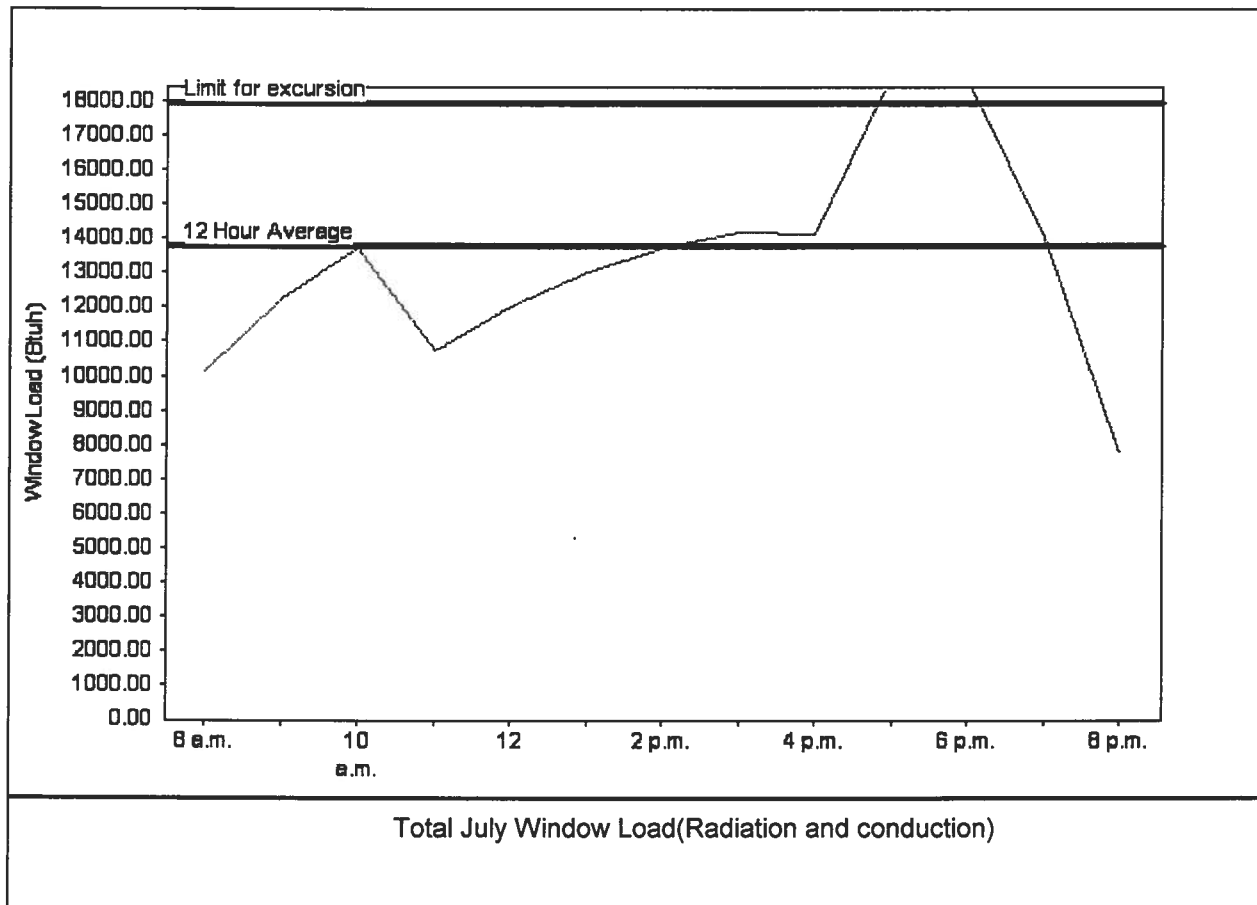
Code Only
Professional Version
Climate: North

6/7/2006

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	13780 Btu
Summer setpoint	75 F	Peak window load for July	18849 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	17913 Btu
Latitude	29 North	Window excursion (July)	935 Btu

WINDOW Average and Peak Loads



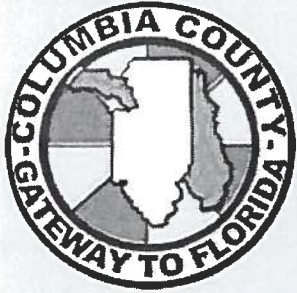
Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____





From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0712-02**

Applicant Roxanne Napier Owner Joseph Metzger
Contractor: Isaac Construction
Property Identification # 11-5s-16-03578-000

On the date of December 10, 2007 application 0712-02 and plans for construction of a single family dwelling were reviewed. The following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0712-02 and when making reference to this application.

This is a plan review for compliance with the Florida Residential Codes 2004 only and doesn't make any consideration toward the land use and zoning requirement

1. FBC. section 106.1: Requires that a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents. The four sets of submitted plans fail to meet this requirement.
2. FBC. section R502.11.1 The truss design drawings shall be prepared by a registered professional where required by the Florida Statutes and have an signature and official embossed seal shall be affixed to the plans and documents. The two sets of submitted truss plans fail to meet this requirement.

Thank You:

Joe Haltiwanger
Plan Examiner
Columbia County Building Department