

Columbia County Building Permit Application

Ck#2522

Revised 9-23-04

For Office Use Only Application # 0512-59 Date Received 12/27/05 By LT Permit # 240421
 Application Approved by - Zoning Official BKV Date 05.01.06 Plans Examiner _____ Date _____
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments Section 14.9 Special Family Lot Permit

Applicants Name Bryan Zacher Construction Phone 758-8920
 Address P.O. Box 815 Lake City, FL 32056
 Owners Name Patrick & Jeanette Lee Phone (904) 268-7530
 911 Address 1120 S/E Ormond With Rd. L.C. 32025
 Contractors Name Bryan Zacher Construction Phone 752-8653
 Address P.O. Box 815 Lake City, FL 32056
 Fee Simple Owner Name & Address Patrick & Jeanette Lee 5308 Pond View Dr. Jacksonville, FL 32258
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Mark Dinsway P.O. Box 868 Lake City, FL 32056
 Mortgage Lenders Name & Address First Federal 4705 W. US Hwy 90 Lake City, FL 32055
 Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 35-55-17-09523-003 Estimated Cost of Construction 180,000
 Subdivision Name No SID Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions South on U.S. 41 to SR 238 in Ellenville. Turn Left onto SR 238. Go .6 miles and turn Left onto Ormond With Rd. Job site is 1/4 mile on Left.
 Type of Construction Frame Number of Existing Dwellings on Property 0
 Total Acreage 2 Lot Size 210x420 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 93' Side 248' Side 104' Rear 65'
 Total Building Height 20' Number of Stories 1 Heated Floor Area 2195 Roof Pitch 4/12
Porches 796 Garage 528 Total 3489

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 6th day of December 2005.

Personally known / or Produced Identification _____

Contractor Signature _____
 Contractors License Number CBC0545K
 Competency Card Number _____

NOTARY STATE OF FLORIDA
 MY COMMISSION #DD452939
 EXPIRES: JUL 20, 2009
 Bonded through 1st State Insurance

Notary Signature _____



APPROXIMATE SCALE IN FEET
 2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
 FLOOD INSURANCE RATE MAP

COLUMBIA
 COUNTY,
 FLORIDA
 (UNINCORPORATED AREAS)

PANEL 250 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER

120070 0250 B

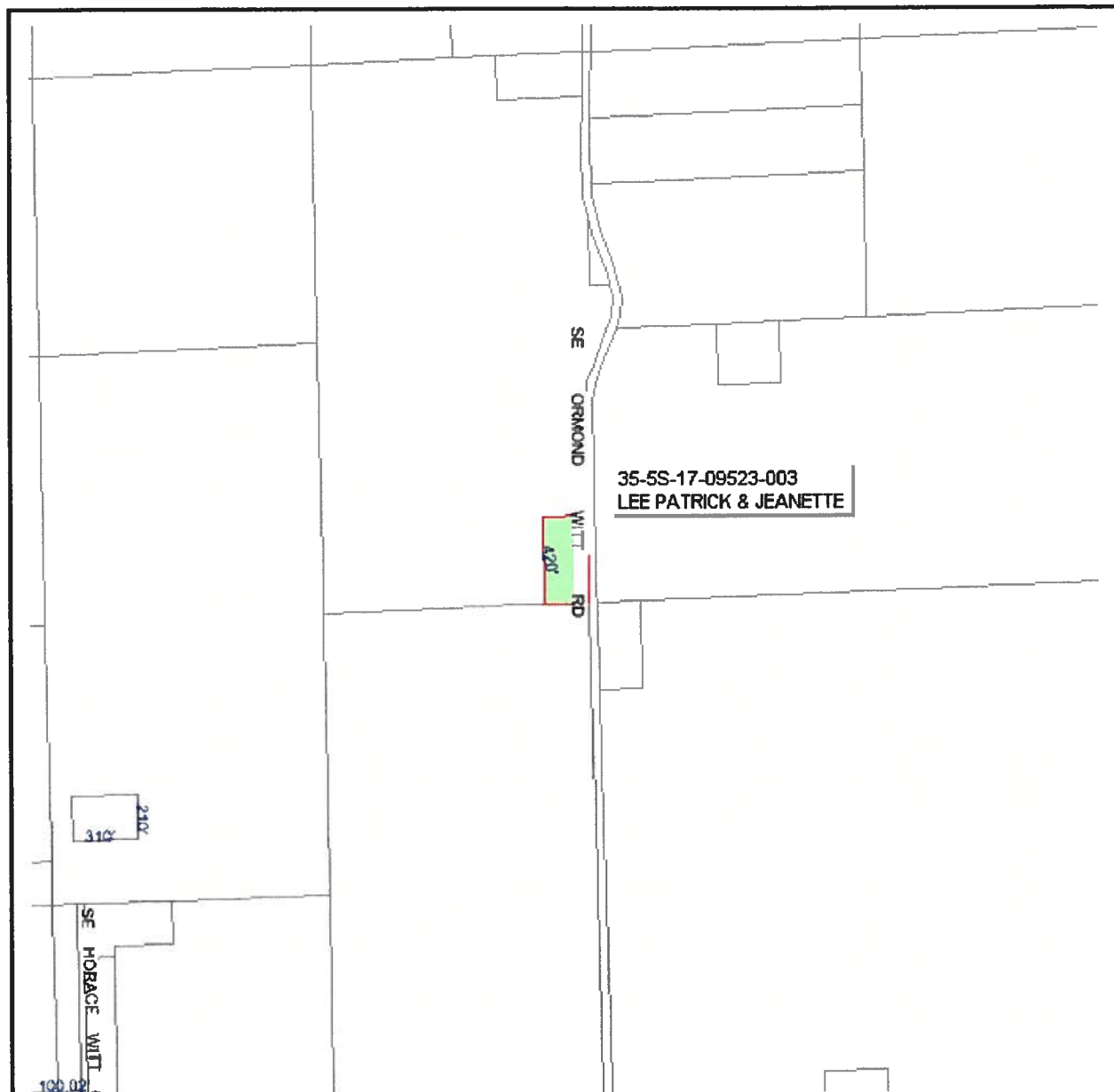
EFFECTIVE DATE:




JANUARY 6, 1988



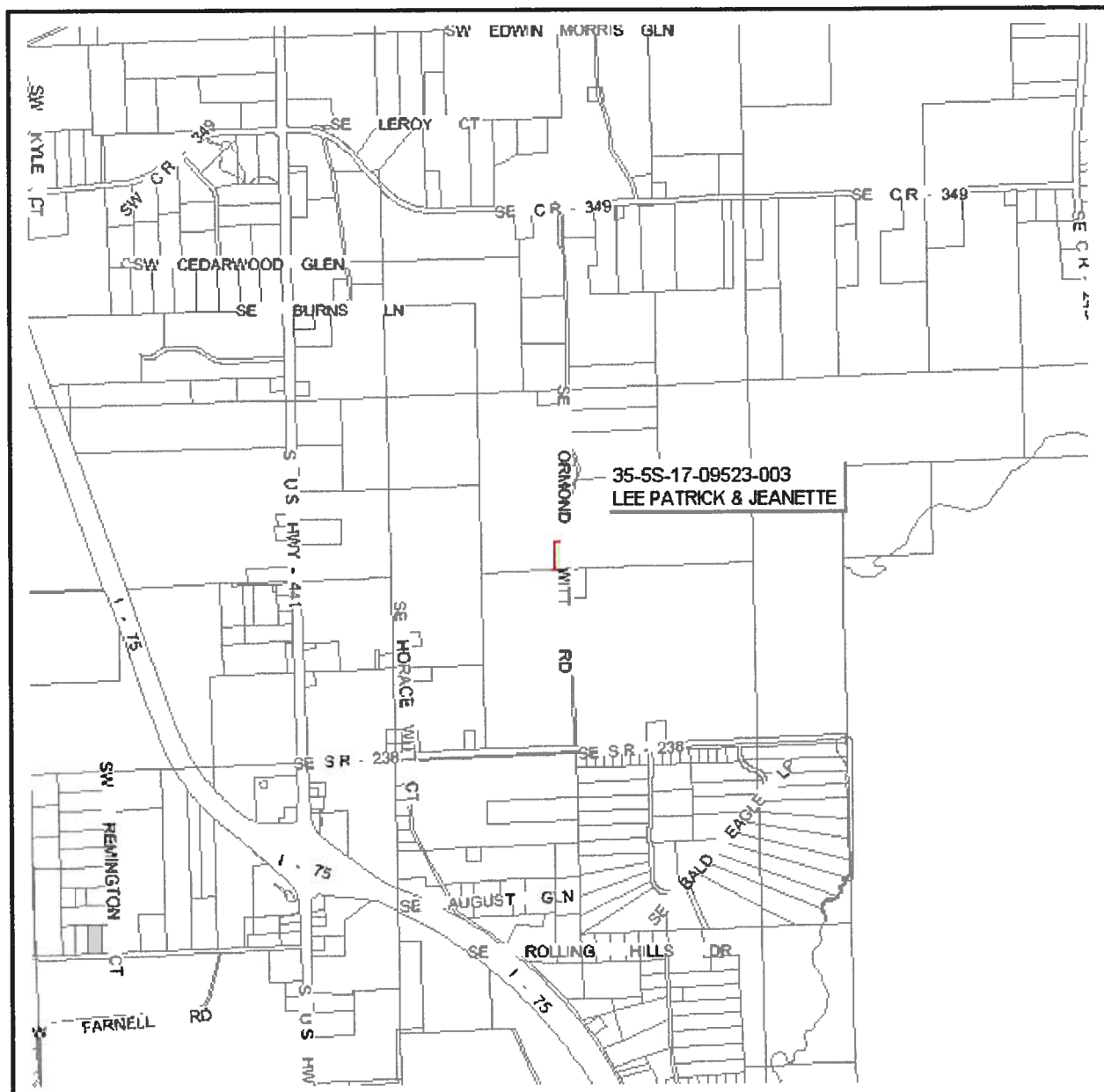
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT Version 1.0. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. Further information about National Flood Insurance Program flood hazard maps is available at www.fema.gov/mif/bd.



<div>Columbia County Property Appraiser</div> <div>J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083</div>			<div>00.060.120.18 mi</div> <div></div>		<div></div> <div></div>	
<div>PARCEL: 35-5S-17-09523-003 - NO AG ACRE (009900)</div> <div>BEG SE COR OF E1/2 OF NW1/4 LYING W OF ORMOND WITT RD, RUN N 420 FT, W 210 FT, S 420</div>						
<div>Name: LEE PATRICK & JEANETTE</div> <div>Site: ORMOND WITT</div> <div>Mail: 1120 SE ORMOND WITT RD</div> <div>LAKE CITY, FL 32025</div> <div>Sales Info 7/8/2003 \$100.00 V / U</div>		<div>LandVal</div> <div>BldgVal</div> <div>ApprVal</div> <div>JustVal</div> <div>Assd</div> <div>Exmpt</div> <div>Taxable</div>		<div>\$12,180.00</div> <div>\$0.00</div> <div>\$12,180.00</div> <div>\$12,180.00</div> <div>\$12,180.00</div> <div>\$0.00</div> <div>\$12,180.00</div>		

This information, GIS Map Updated: 8/3/2005, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.



Columbia County Property Appraiser

J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083

PARCEL: 35-SS-17-09523-003 - NO AG ACRE (009900)

BEG SE COR OF E1/2 OF NW1/4 LYING W OF ORMOND WITT RD, RUN N 420 FT, W 210 FT, S 420

Name: LEE PATRICK & JEANETTE
 Site: ORMOND WITT
 Mail: 1120 SE ORMOND WITT RD
 LAKE CITY, FL 32025
 Sales Info: 7/8/2003 \$100.00 V / U

LandVal	\$12,180.00
BldgVal	\$0.00
ApprVal	\$12,180.00
JustVal	\$12,180.00
Assd	\$12,180.00
Exmpt	\$0.00
Taxable	\$12,180.00

0 0.1 0.2 0.3 mi



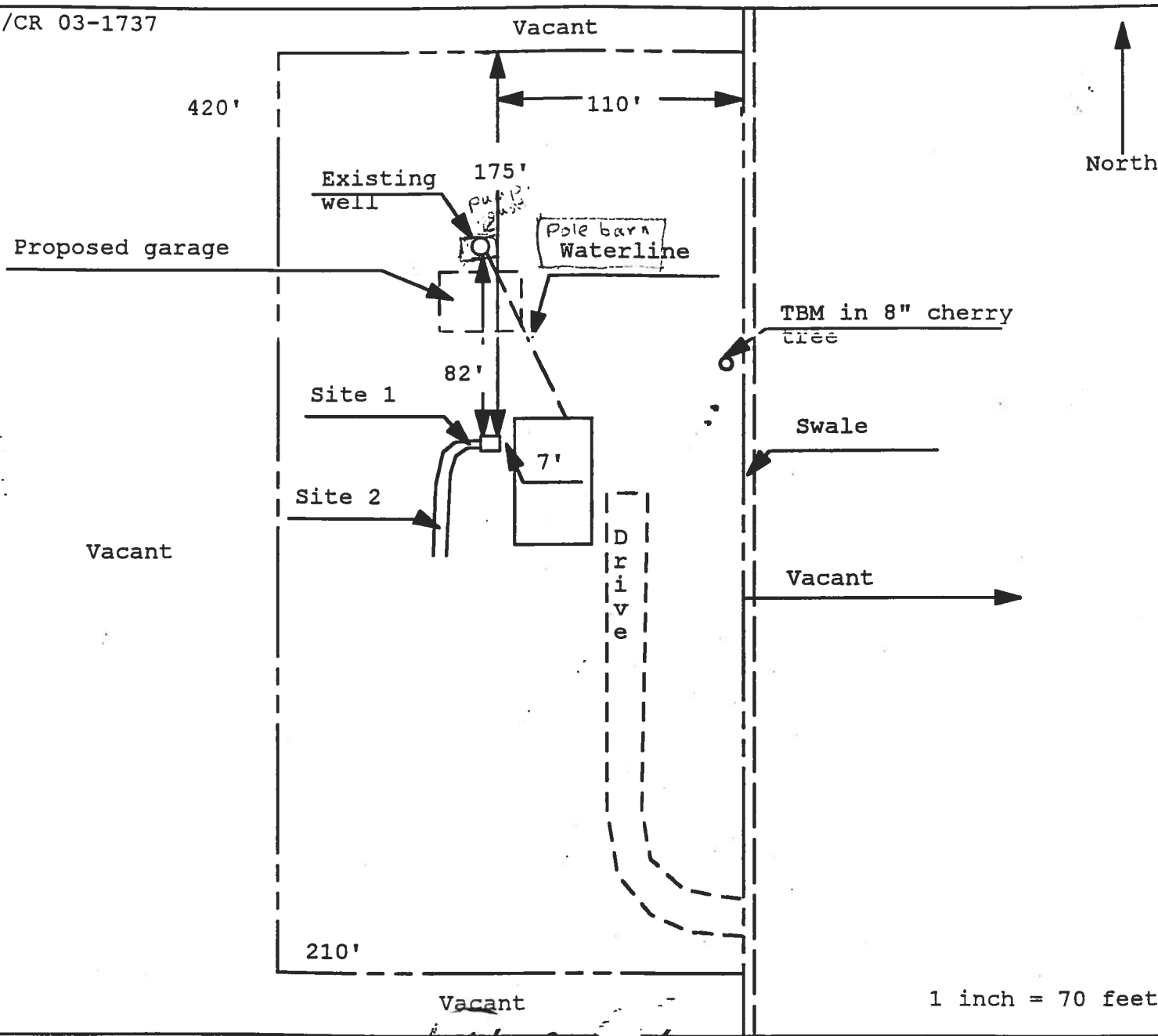
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Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan

Permit Application Number: 05-1010E

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

LEE/CR 03-1737



Site Plan Submitted By Janette W. Lee Date 9/28/05
Plan Approved [Signature] Date 10/20/05

By [Signature] Columbia CPHU

Notes: _____

@ CAM112M01 S CamaUSA Appraisal System
 10/10/2005 14:57 Legal Description Maintenance
 Year T Property Sel
 2005 R 35-5S-17-09523-003
 1120 ORMOND WITT RD SE
 LEE PATRICK & JEANETTE

Columbia County
 12180 Land 001
 AG 000
 Bldg 000
 Xfea 000
 12180 TOTAL B*

1	BEG SE COR OF E1/2 OF NW1/4	LYING W OF ORMOND WITT RD,	2
3	RUN N 420 FT, W 210 FT, S 420	FT, E 210 FT TO POB.	4
5	WD 992-454, 993-2971	CORRECTIVE DEED.	6
7			8
9			10
11			12
13			14
15			16
17			18
19			20
21			22
23			24
25			26
27			28

Mnt 9/16/2003 JEFF

F1=Task F3=Exit F4=Prompt F10=GoTo PgUp/PgDn F24=More

NOTICE OF COMMENCEMENT FORM
COLUMBIA COUNTY, FLORIDA

***THIS DOCUMENT MUST BE RECORDED AT THE COUNTY
CLERKS OFFICE BEFORE YOUR FIRST INSPECTION.***

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 35-55-17-09523-003

1. Description of property: (legal description of the property and street address or 911 address)
Begin at SE corner of E 1/2 of NW 1/4 lying W of Ormond Witt Rd,
Run N 420 ft, W 210 ft, S 420 ft, E 210 ft, S 420 ft, E 210 ft
to POB
911 address - 1120 SE Ormond Witt Rd
Lake City, FL 32025
2. General description of improvement: addition of single family dwelling
3. Owner Name & Address Patrick & Jeannette Lee - 1120 SE Ormond Witt Rd
Lake City FL 32025 Interest in Property Owners
4. Name & Address of Fee Simple Owner (if other than owner): _____
5. Contractor Name (owner) Phone Number 904 591-7287
Address _____
6. Surety Holders Name _____ Inst: 2005025193 Date: 10/10/2005 Time: 15:16
Address _____ by DC, P. DeWitt Cason, Columbia County B: 1061 P: 1011
Amount of Bond _____
7. Lender Name (none) Phone Number _____
Address _____
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:
Name Gerald Witt Phone Number 386-752-3410
Address 888 Ormond Witt Rd - Lake City 32025
9. In addition to himself/herself the owner designates Gerald or Margaret Witt of
888 Ormond Witt Rd to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -
(a) 7. Phone Number of the designee 386 752-3410
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,
(Unless a different date is specified) _____

NOTICE AS PER CHAPTER 713, Florida Statutes:

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

Sworn to (or affirmed) and subscribed before
day of 10-10, 2005

Jeannette W. Lee
Signature of Owner



NOTARY STAMP/SEAL

Laurie Hodson
Signature of Notary

Patrick & Jeanette Lee
5308 Pond View Drive
Jacksonville, Florida 32258
904 268-7530
Cell 904 591-7287
lee3257@bellsouth.net

December 15, 2005

Building and Zoning Dept.
Lake City, Florida

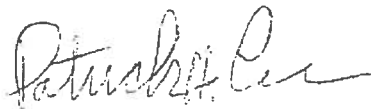
Re: Change of contractor

Please accept this letter as official notice that the pending permit for owner/contractor Patrick H. Lee, the subject property at 1120 SE Ormond Witt Rd. Lake City, Florida 32025 is to be changed. The change should reflect Bryan Zecher Construction of Lake City as the official contractor.

Should you have questions or concerns contact me at the number shown at the top of this letter.

Thank you for your cooperation in this change.

Patrick H. Lee

A handwritten signature in cursive script, appearing to read "Patrick H. Lee", written in dark ink.

THIS INSTRUMENT PREPARED BY:

MARLIN M. FEAGLE, ESQUIRE
FEAGLE & FEAGLE, ATTORNEYS, P.A.
153 NE Madison Street
Post Office Box 1653
Lake City, Florida 32056-1653
(as to form only without benefit
of a title search or survey)

Florida Bar No. 0173248

Inst:2003019303 Date:09/08/2003 Time:14:13
Doc Stamp-Deed : 0.70MCK DC, P. DeWitt Cason, Columbia County B:993 P:2971**CORRECTIVE WARRANTY DEED**THIS INDENTURE, made this 5th day of September, 2003, between

ORMOND WITT and his wife, MARGARET WITT, whose residence address is Route 3, Box
314, Lake City, Florida 32025, parties of the first part, Grantor, and PATRICK LEE and his
wife, JEANETTE LEE, whose mailing address is 5308 Pond View Drive, Jacksonville, Florida
32258, parties of the second part, Grantee,

W I T N E S S E T H:

That said grantor, for and in consideration of the sum of TEN AND NO/100 (\$10.00)
DOLLARS, 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, successors and assigns forever, the following described land, situate,
lying and being in Columbia County, Florida, to-wit:

TOWNSHIP 5 SOUTH - RANGE 17 EAST

Section 35: A parcel of land running 210 feet East and West, and 420 feet North
and South lying in the Southeast corner of the E 1/2 of NW 1/4 lying West of
Ormond Witt Road.

N.B. The purpose of this deed is to correct an error in that Warranty Deed dated
July 8, 2003 and recorded in Official Records Book 992, Page 454, public

Inst:2003019303 Date:09/08/2003 Time:14:13

Doc Stamp-Deed : 0.70

mk DC, P. Dewitt Cason, Columbia County B:993 P:2972

records, Columbia County, Florida, wherein the notarial seal was inadvertently omitted in the notary public acknowledgment on said deed.

Tax Parcel No.: 35-5S-17-00573-000 (parent parcel)

TOGETHER WITH all the tenements, hereditaments and appurtenances thereto

belonging or in anywise appertaining.

TO HAVE AND TO HOLD the same in fee simple forever.

AND the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; that the Grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2002.

IN WITNESS WHEREOF, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered
in the presence of:

Diane S. Edenfield
Witness

DIANE S. EDENFIELD

Print or type name

Robin Smithley
Witness

Robin Smithley

Print or type name

Ormond Witt (SEAL)
ORMOND WITT

Margaret Witt (SEAL)
MARGARET WITT

Inst:2003019303 Date:09/08/2003 Time:14:13

Doc Stamp-Deed : 0.70

MCK DC, P. DeWitt Cason, Columbia County B:993 P:2973**STATE OF FLORIDA
COUNTY OF COLUMBIA**

The foregoing instrument was acknowledged before me this 5th day of September, 2003, by **ORMOND WITT** and his wife, **MARGARET WITT**, who are personally known to me.

(NOTARIAL SEAL) Diane S. Edenfield
MY COMMISSION # DD112002 EXPIRES
May 26, 2006
BONDED THRU TROY FAIR INSURANCE, INC.

Diane S. Edenfield
Notary Public, State of Florida

My Commission Expires:

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: **Patrick Lee residence**
Address: **SE Ormond Witt Rd.**
City, State: **Lake City, FL**
Owner: **Patrick Lee**
Climate Zone: **North**

Builder: **Bryan Zecher**
Permitting Office: **Columbia Co**
Permit Number: **24042**
Jurisdiction Number: **221000**

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? No ☐
6. Conditioned floor area (ft²) 2165 ft²
7. Glass area & type Single Pane Double Pane ☐
 - a. Clear glass, default U-factor 0.0 ft² 186.0 ft²
 - b. Default tint 0.0 ft² 0.0 ft²
 - c. Labeled U or SHGC 0.0 ft² 0.0 ft²
8. Floor types ☐
 - a. Slab-On-Grade Edge Insulation R=0.0, 222.0(p) ft
 - b. N/A ☐
 - c. N/A ☐
9. Wall types ☐
 - a. Frame, Wood, Exterior R=13.0, 1529.0 ft²
 - b. N/A ☐
 - c. N/A ☐
 - d. N/A ☐
 - e. N/A ☐
10. Ceiling types ☐
 - a. Under Attic R=30.0, 2165.0 ft²
 - b. N/A ☐
 - c. N/A ☐
11. Ducts ☐
 - a. Sup: Unc. Ret: Unc. AH: Interior Sup. R=6.0, 30.0 ft
 - b. N/A ☐

12. Cooling systems ☐
 - a. Central Unit Cap: 35.0 kBtu/hr
SEER: 12.00
 - b. N/A ☐
 - c. N/A ☐
13. Heating systems ☐
 - a. Electric Heat Pump Cap: 35.0 kBtu/hr
HSPF: 12.00
 - b. N/A ☐
 - c. N/A ☐
14. Hot water systems ☐
 - a. Electric Resistance Cap: 30.0 gallons
EF: 0.90
 - b. N/A ☐
 - c. Conservation credits ☐

(IIR-Heat recovery, Solar
DHP-Dedicated heat pump)
15. HVAC credits PT, CF, ☐

(CF-Ceiling fan, CV-Cross ventilation,
HF-Whole house fan,
PT-Programmable Thermostat,
MZ-C-Multizone cooling,
MZ-H-Multizone heating)

Glass/Floor Area: 0.09

Total as-built points: 20188
Total base points: 30306

PASS

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

PREPARED BY: Tim Delbene
DATE: 7/19/05

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

OWNER/AGENT: Patrick Lee
DATE: Sept 4, 2005

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: SE Ormond Witt Rd., Lake City, 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	2165.0	20.04	7809.6	Double, Clear	S	2.0	7.0	15.0	35.87	0.82	441.2
				Double, Clear	E	10.0	7.0	108.0	42.06	0.44	2006.0
				Double, Clear	W	2.0	7.0	15.0	38.52	0.89	512.4
				Double, Clear	W	10.0	5.0	18.0	38.52	0.41	283.8
				Double, Clear	W	10.0	8.0	30.0	38.52	0.48	552.3
				As-Built Total:				186.0		3795.7	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1529.0	1.50	2293.5	
Exterior	1529.0	1.70	2599.3								
Base Total:				As-Built Total:						1529.0	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Wood				21.0	6.10	128.1	
Exterior	21.0	6.10	128.1								
Base Total:				As-Built Total:						21.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	2165.0	1.73	3745.4	Under Attic	30.0			2165.0	1.73 X 1.00		3745.4
Base Total:				As-Built Total:				2165.0		3745.4	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	222.0(p)	-37.0	-8214.0	Slab-On-Grade Edge Insulation	0.0			222.0(p)	-41.20	-9146.4	
Raised	0.0	0.00	0.0								
Base Total:				As-Built Total:						222.0	
INFILTRATION Area X BSPM = Points							Area X SPM = Points				
	2165.0	10.21	22104.7				2165.0	10.21	22104.7		

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

ADDRESS: SE Ormond Witt Rd., Lake City, FL,

PERMIT #:

BASE				AS-BUILT											
Summer Base Points: 28173.1				Summer As-Built Points: 22921.0											
Total Summer Points	X	System Multiplier	=	Cooling Points	Total Component	X	Cap Ratio	X	Duct Multiplier	X	System Multiplier	X	Credit Multiplier	=	Cooling Points
									(DM x DSM x AHU)						
28173.1		0.4266		12018.6	22921.0		1.000		(1.090 x 1.147 x 0.91)		0.284		0.902		6693.7
					22921.0		1.00		1.138		0.284		0.902		6693.7

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: SE Ormond Witt Rd., Lake City, FL,

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	2165.0	12.74	4964.8	Double, Clear	S	2.0	7.0	15.0	13.30	1.17	233.6
				Double, Clear	E	10.0	7.0	108.0	18.79	1.38	2796.6
				Double, Clear	W	2.0	7.0	15.0	20.73	1.03	320.6
				Double, Clear	W	10.0	5.0	18.0	20.73	1.22	456.0
				Double, Clear	W	10.0	8.0	30.0	20.73	1.19	740.4
				As-Built Total:				186.0		4547.2	
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1529.0	3.40	5198.6		
Exterior	1529.0	3.70	5657.3								
Base Total:		1529.0	5657.3	As-Built Total:				1529.0	5198.6		
DOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Exterior Wood	30.0		21.0	12.30	258.3		
Exterior	21.0	12.30	258.3								
Base Total:		21.0	258.3	As-Built Total:				21.0	258.3		
CEILING TYPESArea X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	2165.0	2.05	4438.3	Under Attic	30.0		2165.0	2.05 X 1.00	4438.3		
Base Total:		2165.0	4438.3	As-Built Total:				2165.0	4438.3		
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	222.0(p)	8.9	1975.8	Slab-On-Grade Edge Insulation	0.0		222.0(p)	18.80	4173.6		
Raised	0.0	0.00	0.0								
Base Total:			1975.8	As-Built Total:				222.0	4173.6		
INFILTRATION Area X BWPM = Points								Area X WPM = Points			
		2165.0	-0.59					2165.0	-0.59	-1277.3	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: SE Ormond Witt Rd., Lake City, FL,

PERMIT #:

BASE				AS-BUILT							
Winter Base Points:		16017.1		Winter As-Built Points:						17338.6	
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	
16017.1		0.6274	10049.1	17338.6		1.000	(1.069 x 1.169 x 0.93)	0.284	0.950	5439.9	
16017.1		0.6274	10049.1	17338.6		1.00	1.162	0.284	0.950	5439.9	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: SE Ormond Witt Rd., Lake City, FL,

PERMIT #:

BASE				AS-BUILT					
WATER HEATING				Tank	EF	Number of	X	Tank	X
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio	Multiplier
Bedrooms									
3		2746.00		8238.0	30.0	0.90	3	1.00	2684.98
					As-Built Total:				8054.9

CODE COMPLIANCE STATUS									
BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Total	Cooling	+	Heating
Points		Points		Points		Points	Points		Points
12019		10049		8238		30306	6694		5440
									8055
									20188

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: SE Ormond Witt Rd., Lake City, 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.	N/A
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%.	N/A
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.	✓

Mark Disosway, P.E.

POB 868, Lake City, FL 32056, Ph (386) 754-5419, Fax (386) 269-4871

January 12, 2006

Building Department

Re: Permit # 0512-59 , Bryan Zecher, Patrick Lee, 1120 SE Ormond Witt Rd. Lake City, Florida Tax ID: 35-5S-17-09523-003

Dear Building Official:

Please accept this letter as addendum to the plans for the above referenced house to change all references to FBC 2001 to FBC 2004.

- The plan was drawn prior to the effective date for FBC 2004, 01 October 2005.
- Since the wind load requirements of FBC 2004 remain basically unchanged from FBC 2001 there are no structural changes required to this plan.

Mark Disosway
12 JAN 06

Mark Disosway, PE
Florida Registered Professional Engineer

Cc Bryan Zecher

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

0512-59

Reference to: Build permit application Number:

Bryan Zecher Construction/ Owner Patrick Lee 1120 SE Ormond Road

On the date of December 28, 2005 application 0512-59 and plans for construction of a single family dwelling were reviewed and 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 0512-59 when making reference to this application.

1. Application 0512-59 which was filed with the building department on the date of December 27, 2005 will be reviewed under the Florida Building Code 2004. The Wind Load design by Mark Disosway was design under the Florida Building Code 2001. The wind Load design should reflect the code sections of the Florida Building Code 2004 that relate to wind Load design code requirements.

Thank you,



Joe Haltiwanger
Plan Examiner
Columbia County Building Department

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 ONE (1) AND TWO (2) FAMILY DWELLINGS ALL REQUIREMENTS ARE SUBJECT TO CHANGE EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

Applicant	Plans Examiner	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	All drawings must be clear, concise and drawn to scale ("Optional " details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Site Plan including:</u> a) Dimensions of lot b) Dimensions of building set backs c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. d) Provide a full legal description of property.
<input type="checkbox"/>	<input type="checkbox"/>	<u>Wind-load Engineering Summary, calculations and any details required</u> a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC a. Basic wind speed (MPH) b. Wind importance factor (I) and building category c. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated d. The applicable internal pressure coefficient e. Components and Cladding. The design wind pressure in terms of psf (kN/m ²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Elevations including:</u> a) All sides
<input type="checkbox"/>	<input checked="" type="checkbox"/>	b) Roof pitch
<input type="checkbox"/>	<input checked="" type="checkbox"/>	c) Overhang dimensions and detail with attic ventilation
<input type="checkbox"/>	<input checked="" type="checkbox"/>	d) Location, size and height above roof of chimneys
<input type="checkbox"/>	<input checked="" type="checkbox"/>	e) Location and size of skylights
<input type="checkbox"/>	<input checked="" type="checkbox"/>	f) Building height
<input type="checkbox"/>	<input checked="" type="checkbox"/>	e) Number of stories

see
note
1

Floor Plan including:

- a) Rooms labeled and dimensioned
- b) Shear walls
- c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)
- d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth
- e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails
- f) Must show and identify accessibility requirements (accessible bathroom)

Foundation Plan including:

- a) Location of all load-bearing wall with required footings indicated as standard Or monolithic and dimensions and reinforcing
- b) All posts and/or column footing including size and reinforcing
- c) Any special support required by soil analysis such as piling
- d) Location of any vertical steel

Roof System:

- a) Truss package including:
 - 1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.
 - 2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
- b) Conventional Framing Layout including:
 - 1. Rafter size, species and spacing
 - 2. Attachment to wall and uplift
 - 3. Ridge beam sized and valley framing and support details
 - 4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)

Wall Sections including:

- a) Masonry wall
 - 1. All materials making up wall
 - 2. Block size and mortar type with size and spacing of reinforcement
 - 3. Lintel, tie-beam sizes and reinforcement
 - 4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details
 - 5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation
 - 6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)
 - 7. Fire resistant construction (if required)
 - 8. Fireproofing requirements
 - 9. Shoe type of termite treatment (termicide or alternative method)
 - 10. Slab on grade
 - a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)
 - b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports
 - 11. Indicate where pressure treated wood will be placed
 - 12. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

b) Wood frame wall

1. All materials making up wall
2. Size and species of studs
3. Sheathing size, type and nailing schedule
4. Headers sized
5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail
6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)
7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)
8. Fire resistant construction (if applicable)
9. Fireproofing requirements
10. Show type of termite treatment (termicide or alternative method)
11. Slab on grade
 - a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed
 - b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports
12. Indicate where pressure treated wood will be placed
13. Provide insulation R value for the following:
 - a. Attic space
 - b. Exterior wall cavity
 - c. Crawl space (if applicable)

c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)

Floor Framing System:

- a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer
- b) Floor joist size and spacing
- c) Girder size and spacing
- d) Attachment of joist to girder
- e) Wind load requirements where applicable

Plumbing Fixture layout

Electrical layout including:

- a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified
- b) Ceiling fans
- c) Smoke detectors
- d) Service panel and sub-panel size and location(s)
- e) Meter location with type of service entrance (overhead or underground)
- f) Appliances and HVAC equipment
- g) Arc Fault Circuits (AFCI) in bedrooms

HVAC information

- a) Manual J sizing equipment or equivalent computation
- b) Exhaust fans in bathroom

Energy Calculations (dimensions shall match plans)

Gas System Type (LP or Natural) Location and BTU demand of equipment

Disclosure Statement for Owner Builders

*****Notice Of Commencement Required Before Any Inspections Will Be Done**

Private Potable Water

- a) Size of pump motor
- b) Size of pressure tank
- c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.
2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.
3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued.
(386) 758-1058 (Toilet facilities shall be provided for construction workers)
4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321
5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. Development permit cost is \$50.00
6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS –PLEASE DO NOT ASK

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR AN APPOINTMENT TIME AND DATE:

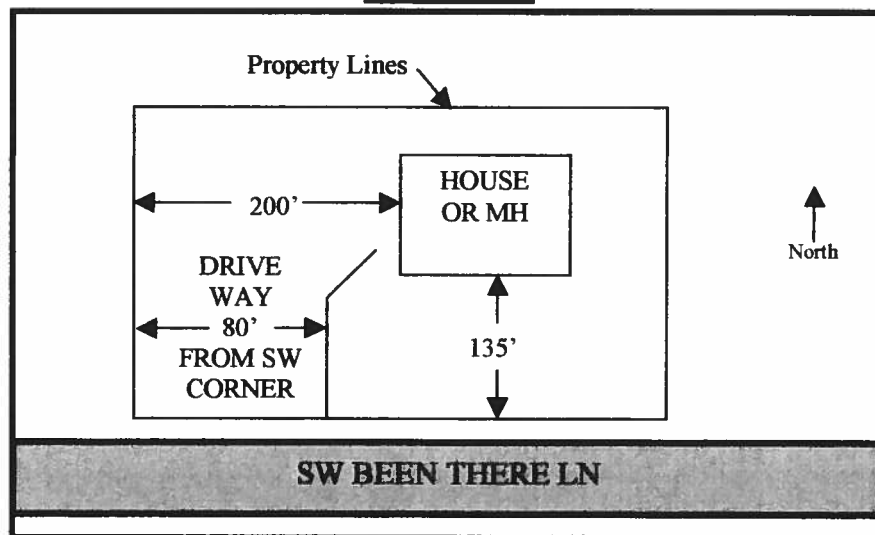
YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123) FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.
 - a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
 - b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
 - c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.



SITE NAVIGATION



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BuildingsPrototype
Building

Surcharges



Training

License
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PRODUCT APPROVAL

Product Type Detail

Overview

Product Search

Organization
SearchProduct
ApplicationView
Attachments

User: Public User - Not Associated with Organization -

Need Help ?

Application #: FL18
 Date Submitted: 08/04/2003
 Product Manufacturer: Masonite International
 Address/Phone/email: One North Dale Mabry
 Suite 950
 Tampa, FL 33609

Technical Representative: Steve Schreiber
 Technical Representative Address/Phone/email: 1 Premdor Drive
 Dickson, TN 37055
 (615) 441-4258
 sschreiber@masonite.com

Category: Exterior Doors

Subcategory: Swinging

Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:

Section	Standard	Year
	TAS201	1994
	TAS202	1994
	TAS203	1994

Certification Agency: Intertek Testing Services -
ETL/Warnock Hersey

Quality Assurance Entity:

Validation Entity:

Date Validated: 08/11/2003

Authorized Signature: Steve Schreiber
sschreiber@masonite.com

Performance level of the product and conditions or
limitations of use: None Known

Evaluation/Test Reports Uploaded:

Installation Documents Uploaded:

Product Approval Method:

Method 1 Option A

Application Status:

Approved

Page:

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App/Seq #	Product Model # or Name	Model Description
18.1	Wood-Edge Steel Door Units	

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SITE NAVIGATION



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Perchages



Training



Building

License
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ListFlorida
Building
Commission

PRODUCT APPROVAL

Product Type Detail

Overview

Product Search

Organization
SearchProduct
ApplicationView
Attachments

User: Public User - Not Associated with Organization -

Need Help ?

Application #: FL20
 Date Submitted: 08/04/2003
 Product Manufacturer: Masonite International
 Address/Phone/email: One North Dale Mabry
 Suite 950
 Tampa, FL 33609

Technical Representative: Steve Schreiber
 Technical Representative Address/Phone/email: 1 Premdor Drive
 Dickson, TN 37055
 (615) 441-4258
 sschreiber@masonite.com

Category: Exterior Doors

Subcategory: Swinging

Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:	Section	Standard	Year
		ASTM E1886	1997
		TAS202	1994
		ASTM E1996	2002

Certification Agency: Intertek Testing Services -
ETL/Warnock Hersey

Quality Assurance Entity:

Validation Entity:

Date Validated: 08/08/2003

Authorized Signature: Steve Schreiber
sschreiber@masonite.com

Performance level of the product and conditions or
limitations of use: None Known

Evaluation/Test Reports Uploaded:

Installation Documents Uploaded:

Product Approval Method:

Method 1 Option A

Application Status:

Approved

Page:

Page 1 / 1

App/Seq #	Product Model # or Name	Model Description
20.1	Fiberglass Door Units	



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STEEL

6' 8" Flush Door



Flush Door

Pre-Painted White	
door	\$195
double door	\$383

Special Notes:

Standard Panel Sizes Available:

Door: 30", 32" & 36"

Custom Panel Sizes Available:

24", 29", 31", 33", 34" & 35" + \$63 per panel

42" + \$126 per panel, primed only

Cut downs over 5" (when possible) + \$125 per panel

Common Options

Deducts		Jamb Depth Adders		General Adders	
No Brickmold	- \$7.00 per panel	3-1/2" to 4-1/2"	+ \$20 per panel	Outswing	+ \$20 per panel
Slab only	- \$30	4 5/8" to 5 1/8"	+ \$50 per panel	Peepsite brass, 60" from bottom	+ \$45 installed
		5-1/4"	+ \$30 per panel	Brass/bronze sill	+ \$15 per panel
		5-3/8" to 6-1/2"	+ \$55 per panel	Cut downs min 1/2" max 5"	+ \$75 per panel
		6-9/16"	+ \$35 per panel	ADA accessible sill (not applied)	+ \$40 per panel
		6-5/8" to 8-5/8"	+ \$95 per panel	No hinge prep	+ \$50
Solid Vinyl Jamb Adders		Cladding Adders Pre painted white inswing only		Transom Notice:	
4-9/16" with brickmold		with brickmold 4 9/16" & 6 9/16"		Transoms are not shipped attached to door unit. Field attached transoms require use of approved mull stiffener. Contact your local DorFab location for product approval (DP) information.	
single	+ \$115	32" & 36" singles	+ \$50		
double	+ \$135	72" doubles	+ \$75		
		12" - 36" - 12"	+ \$100		
		14" - 36" - 14"	+ \$100		

90-Minute Fire-Rated Split Frame Doors

90 Minute Description

Fire-Rated doors only available in 6'8" heights, inswing only. These doors are pre-packaged and no changes will be made to them. They come with 90-minute fire-rated slab, single bore only, 90-minute fire-rated adjustable steel split frame, two self-closing hinges and one standard hinge, sill and installation instructions.

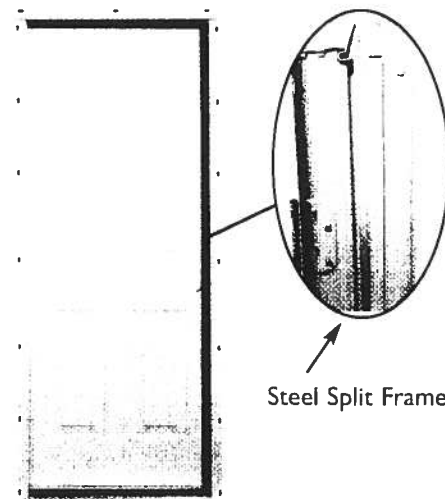
32" Door R O Size - 33"x 81 9/16"; 36" Door R O Size - 37"x 81-9/16"

FLUSH - 32" & 36" SIZES ONLY - Frame is adjustable from 4-5/8" to 5-1/16" \$306

6 PANEL - 32" & 36" SIZES ONLY - Frame is adjustable from 4-5/8" to 5-1/16" \$306

FLUSH - 32" & 36" SIZES ONLY - Frame is adjustable from 6-5/8" to 7-1/8" \$349

6 PANEL - 32" & 36" SIZES ONLY - Frame is adjustable from 6-5/8" to 7-1/8" \$349



Steel Split Frame



SITE NAVIGATION

**PRODUCT APPROVAL***Product Type Detail*

Overview Product Search Organization Search Product Application

User: Public User - Not Associated with Organization -

[Need Help?](#)

Application #: FL670
 Date Submitted: 10/21/2003
 Product Manufacturer: BetterBilt
 Address/Phone/email: 650 W Market St
 Gratz, PA 17030
 (717) 365-3300

Category: Windows

Subcategory: Horizontal Slider

Evaluation Method: Certification Mark or Listing

Referenced Standards from the Florida Building Code:	Section	Standard	Year
		AAMA/NWWDA	1997
		101/IS2	

Certification Agency: American Architectural Manufacturers Association

Quality Assurance Entity:

Validation Entity:

Authorized Signature: ANDREW BRILL
 ABRILL@MIHP.COM

Evaluation/Test Reports Uploaded:
 Installation Documents Uploaded:

Product Approval Method: Method 1 Option A

Application Status: Approved
 Date Validated:



FLORIDA PRODUCT APPROVAL NUMBERS FOR SERIES 740/3740

To view the applications, go to www.floridabuilding.org. Pick the Product Approval icon (along the left side of screen). Pick Product Search tab (at the top of the screen). In the Product Manufacturer drop down box, find and select BetterBilt. In the Application/Seq #: box, type in the App/Seq # (shown below), then pick the Search button. Scroll down and the information is listed at the bottom of the screen.

Category: Windows / Subcategory: Single Hung

App/Seq #	Product Model # or Name	Model Description
663.18	740/3740	Fin Frame 39x90, R-35, DP +35.3 / -47.2
663.17	740/3740	Fin Frame 47x89, R-35, DP +35.3 / -47.2
4029.1	740/3740	Fin Frame 52x71, R-35, DP +35.3 / -47.2
663.12	740/3740	Fin Frame 52x71, R-45, DP +45 / -45
663.16	740/3740	Fin Frame 52x71, R-45, DP +45 / -47.2
663.13	740/3740	Fin Frame 52x72, R-45, DP +45 / -45
663.11	740/3740	Triple with Continuous Head and Sill 106x71, R-30, DP +31.5 / -39.7
663.19	740/3740	Flange Frame 47x89, R-35, DP +35.3 / -42.7
663.20	740/3740	Flange Frame - Oriel 47x89, R-35, DP +35.3 / -42.7
663.15	740/3740	Flange Frame 52x71, R-45, DP +45 / -47.2
4029.2	740/3740	Flange Frame 53x72, R-25, DP +25.9 / -34.7
4029.3	740/3740	Flange Frame - Oriel 53x72, R-45, DP +45 / -47.2
663.14	740/3740	Flange Frame 53x73, R-45, DP +45 / -45

Category: Windows / Subcategory: Fixed

App/Seq #	Product Model # or Name	Model Description
676.15	740/3740	Fin Frame 59x72, R-45, DP +45 / -47.2
676.16	740/3740	Fin Frame 71x71, R-45, DP +45 / -47.2
676.17	740/3740	Fin Frame 108x52, R-40, DP +40 / -40
676.13	740/3740	Flange Frame 59x72, R-45, DP +45 / -47.2
676.14	740/3740	Flange Frame 71x71, R-35, DP +35.3 / -45.3
676.12	740/3740	Flange Frame 109x53, R-40, DP +40 / -40

TOTAL HEATING AND COOLING REQUIREMENTS

Page 2

For: LEC Residence
 Name: 1120 SE ORMOND WITT RD
 Address: LAKE CITY FL.
 City: LAKE CITY FL.

ITEM	AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE					HEATING (BTUH LOSS)	DESIGN TEMP		COOLING MULT. (CIRCLE)	COOLING (BTUH GAIN)
		30°	35°	40°	45°	50°		90°	95°		
Gross Wall Area	1408										
Glass Area (From page 1)	211										
Partitions, Frame							8296				16324
Finished 1 side, No Insulation		17	19	22	25	28		6.5	10.0		
Finished 2 sides, No Insulation		9	11	12	14	16		4.5	6.0		
Finished 2 sides, R-5		4	5	5.5	6	7		2.5	3.5		
Finished 2 sides, R-11		2	3	3	4	4		2.0	2.5		
Other R-14	424			(3)			848		2.8		1187
Doors (Excluding glass)											
No weatherstripping		135	160	180	200	225		10.0	13.0		
Weatherstripped		70	85	95	110	120		10.0	13.0		
R-5 Insulation, No weatherstripping		123	144	164	185	205		4.3	5.5		
R-5 Insulation, weatherstripping	20	68	79	(90)	101	113	1800	4.0	5.0		100
Other											
Net Exterior Walls											
CBS Furred, No Insulation		9	10	12	13	14		4.5	6.0		
CBS Furred, R-3 Insulation		5	6	7	8	8		3.0	4.2		
CBS Furred, R-4 Insulation		4	5	6	6	7		2.7	3.8		
CBS Furred, R-5 Insulation		4	5	5	6	6		2.5	3.5		
Frame, No Insulation		8	9	10	11	13		5.5	7.0		
Frame, R-11 Insulation		2	2	3	3	4		2.5	3.0		
Frame, R-14 Insulation	1197	1.5	1.7	(2)	2.5	3	2394	2	2.8		3352
Other											
Ceiling under attic											
No Insulation	Roof	18	21	24	27	30		9	7	10	8.5
R-11 Insulation	DK LT	2.4	2.8	3.2	3.5	3.9		2.5	2	3	2.5
R-19 Insulation	DK LT	1.5	1.7	1.9	2.2	2.4		1.5	1.5	2	1.5
R-22 Insulation	DK LT	1.2	1.5	1.7	1.9	2.1		1.5	1.0	1.5	1.5
R-26 Insulation	DK LT	1.1	1.3	1.4	1.6	1.8		1.3	1	1.5	1.2
R-30 Insulation	(DK) LT	1	1.1	(1.3)	1.4	1.6	2615	1.1	.9	(1.3)	1.0
Other											2615
Floor, Concrete Slab											
No Edge Insulation	Perimeter Ft.	35	40	(40)	45	45	7040	0	0		
Other	176										
Subtotal							23193				23778
People @ 300 & Appl. @ 1200											6300
Sensible BTUH Gain											
Duct BTUH Loss & Gain							23193				30078
2 In. Flex. or 1 in. Rigid											
1 1/2 In. Rigid							10				3008
Total BTUH Loss							.075				
Subtotal BTUH Gain							25512				
x 1.3 = Total BTUH Gain											33026
											43012

Calculated Heating Requirements 25512
 Size of Unit Chosen 48000
 Oversized 1
 Undersized

BTUH Calculated Cooling Requirements 43012
 BTUH Size of Unit Chosen 48000
 % Oversized
 % Undersized

BTUH
BTUH

RESIDENTIAL HEATING AND COOLING REQUIREMENTS*

Page 1



HEATING AND COOLING REQUIREMENTS DUE TO GLASS AREA

WINDOWS & GLASS DOORS	AREA SQUARE FEET	DESIGN TEMPERATURE DIFFERENCE					HEATING MULTIPLIER (CIRCLE ONE)	HEATING (BTUH LOSS)
		30°	35°	40°	45°	50°		
Glass Doors, Infiltration less than 1.0 CFM/FT								
Single Glass								
Double Glass		50	60	70	75	85		
Other Sliding Glass Doors	60	40	45	(50)	55	60		3006
Single Glass								
Double Glass		75	85	100	115	125		
Windows, Infiltration less than 0.50 CFM/FT		60	70	80	90	100		
Single Glass								
Double Glass		40	50	55	60	70		
Windows, Infiltration less than 0.75 CFM/FT	138	25	30	(35)	40	45		4830
Single Glass								
Double Glass		45	50	60	65	75		
Other Windows		30	35	40	45	50		
Single Glass								
Double Glass		75	90	105	115	130		
Fixed or Picture Windows		60	70	80	90	105		
Single Glass								
Double Glass		40	50	55	60	70		
Other	15.32	25	30	35	40	45		466
Total BTUH Loss (Enter on Line 2, Page 2)								8296

WINDOWS & GLASS DOORS	AREA SQUARE FEET	COOLING MULTIPLIER (CIRCLE)												COOLING (BTUH GAIN)	
		SINGLE GLASS						DOUBLE GLASS							
		90°			95°			90°			95°				
		C	T	R	C	T	R	C	T	R	C	T	R		
No Shading															
N		30	22	20	30	26	25	20	14	13	25	17	16		
NE & NW		60	41	36	65	45	41	50	29	24	50	32	27		
E & W	196.32	85	60	53	90	64	57	70	44	36	(75)	47	39	14724	
SE & SW		75	51	45	80	55	50	60	37	30	65	40	33		
S	15	45	31	28	50	35	33	35	21	18	(40)	24	21	1600	
Draperies or Blinds															
N		20	17	16	25	21	20	15	11	11	20	14	14		
NE & NW		35	33	30	40	37	34	30	22	21	35	25	24		
E & W		55	48	43	55	52	47	45	32	30	50	35	33		
SE & SW		45	39	35	50	43	39	40	26	25	40	29	28		
S		30	26	24	30	30	28	25	17	16	25	20	19		
Roller Shades															
N		25	19	17	25	23	22	20	12	11	20	15	14		
NE & NW		45	36	32	50	40	37	40	26	22	45	29	25		
E & W		65	53	47	70	57	51	55	37	32	60	40	35		
SE & SW		55	44	39	60	48	44	50	32	27	50	35	30		
S		35	28	25	40	32	30	30	20	16	35	23	19		
Awnings, Porches, Etc.															
All Directions		25	22	20	30	26	25	15	14	13	20	17	16		
Other															
Total BTUH Gain (Line 2, Page 2)														16324	

Notice of Treatment

11834

Applicator: **Florida Pest Control & Chemical Co. (www.flapest.com)**

Address: 536 SE BAYVIEW AVE

City L.C. Phone 752-1795

Site Location: Subdivision

Lot # _____ Block# _____ Permit # 24942

Address 1120 SE ORMOND WITTRD

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
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<input type="checkbox"/> Premise	Imidacloprid	0.1%
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<input type="checkbox"/> Termidor	Fipronil	0.12%
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<input checked="" type="checkbox"/> Bora-Care	Disodium Octaborate Tetrahydrate	23.0%
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Type treatment:

☐ Soil

☒ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Dwelling

3681

721

6

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

2-28-06

Date

1100

Time

F254 GUNNY

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

COLUMBIA COUNTY OFFICE 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 35-5S-17-09523-003

Building permit No. 000024042

Use Classification SFD, UTILITY

Fire: 23.68

Permit Holder BRYAN ZECHER

Waste: 49.00

Owner of Building PATRICK & JEANETTE LEE

Total: 72.68

Location: 11205 SE ORMOND WITT ROAD

Date: 06/20/2006

Harry Dicks

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)