Columbia County Building Permit Application CK# 1523

For Office Use Only Application # 0702-07 Date Received 2/5 By JW Permit # 325 | 25511

Application Approved by - Zoning Official BLK Date 08-02-07 Plans Examiner OK JTH Date 2-6-07

Flood Zone X pre plat Development Permit N/A Zoning RSF-2 Land Use Plan Map Category RES. Low Den.

Comments need NOC (corrected)

Applicants Name Patricia m Johnson Phone 386-755-4038

Address 204 SW Dusty Glen Lake City FL 32024

Owners Name Russell Bailey Jr Phone 386-752 2401

911 Address 205 SW Scott Place, LAKE CITY, FL 32024

Contractors Name Patricia m Johnson Phone 386-755-4038

Address 204 SW Dusty Glen Lake City FL 32024

Fee Simple Owner Name & Address -

Bonding Co. Name & Address

Architect/Engineer Name & Address -

Mortgage Lenders Name & Address -

Clay Electric

Property ID Number 10-4S-16-02853-427 Estimated Cost of Construction $175,000.

Subdivision Name Russwood Estates Lot 27 Block ___ Unit 4 Phase ___

Driving Directions Branford Hwy (247) Right on Trey Street 1 mile - Right on into Russwood Estates - Russwood Terrace To LEFT on Bethany Place ½ bloc Right on Dorothy - Right on Scott Place

Type of Construction wood frame - SFD Number of Existing Dwellings on Property 0

Total Acreage ½ Lot Size 21780 sq ft Do you need a (Culvert Permit) or Culvert Waiver or Have an Existing Dri

Actual Distance of Structure from Property Lines - Front 40' Side 23' Side 38' Rear 48'

Total Building Height 18' Number of Stories 1 Heated Floor Area 3011 Roof Pitch 7/12

TOTAL 4243

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 o 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 COMMENCMENT 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.

Patricia m Johnson
Owner Builder or Agent (Including Contractor)

Patricia m. Johnson
Contractor Signature
Contractors License Number RR28211528
Competency Card Number 5755

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 15th day of January 2007.

Personally known ____ or Produced Identification VDL

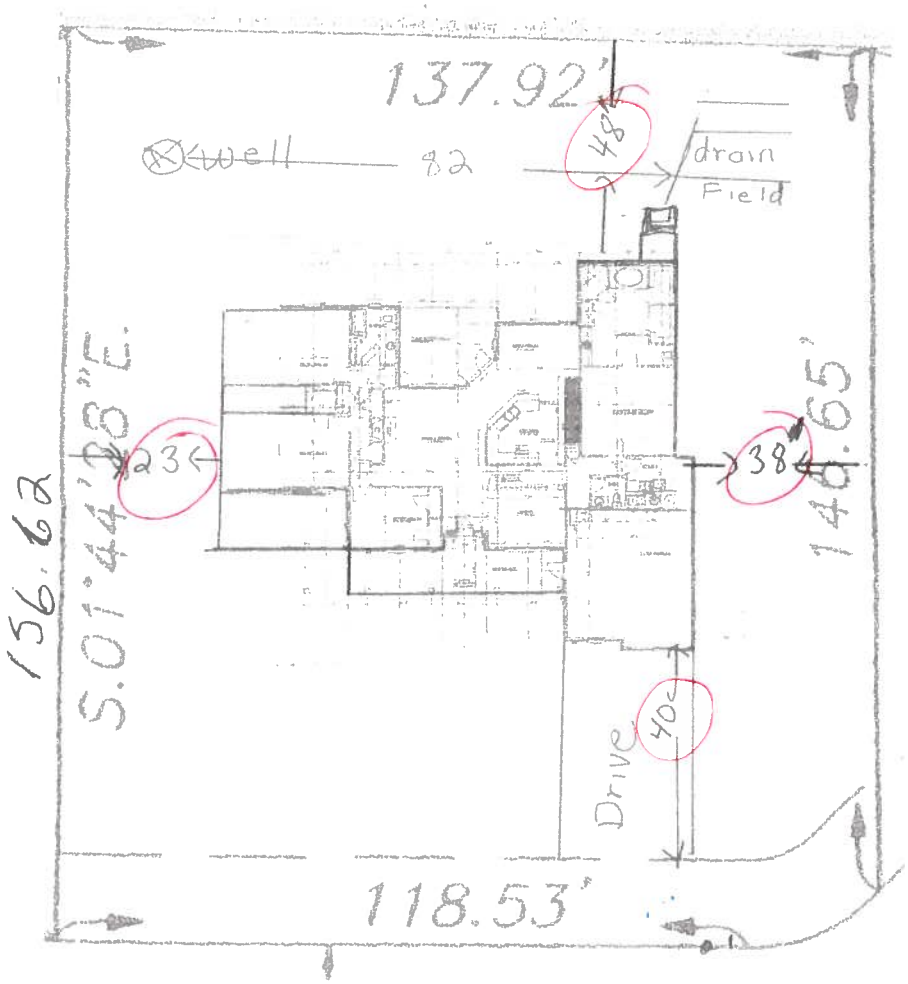
NOTARY STAMP/SEAL

SANDY J. KISHTON
MY COMMISSION # DD 584009
EXPIRES: August 13, 2010
Bonded Thru Notary Public Underwriters

Sandy J. Kishton

Russwood Estates

Unit 4 Lot 27



205 SW Scott Place

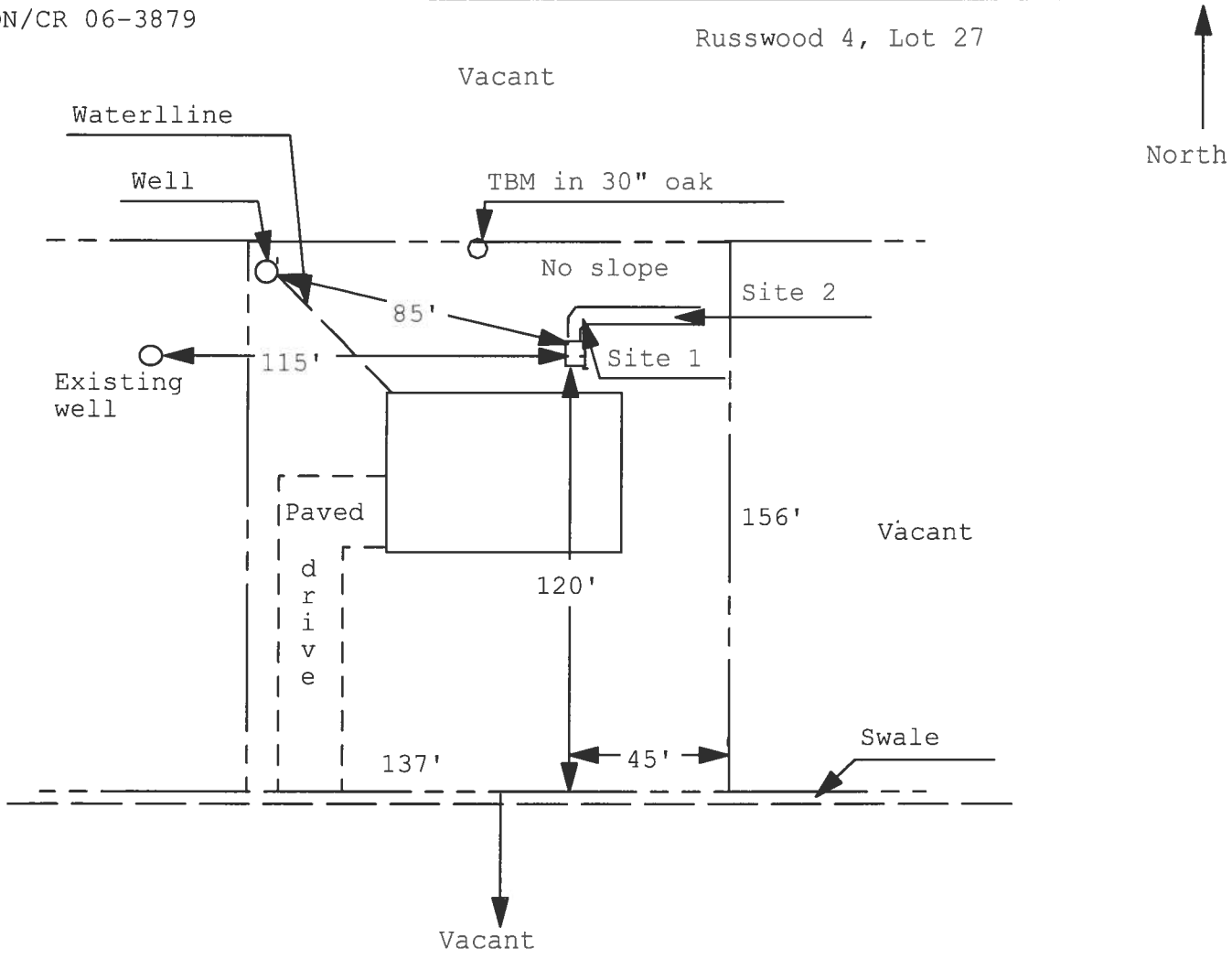
Lot 27

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

Permit Application Number: 07-0010N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

JOHNSON/CR 06-3879



1 inch = 50 feet

Site Plan Submitted By Paul Lloyd **Date** 2/1/07

Plan Approved ✓ **Not Approved** ____ **Date** 2/2/07

By [signature] Columbia **CPHU**

Notes: ____

RUSSWOOD ESTATES

TROY ROAD, COLUMBIA COUNTY, LAKE CITY, FLORIDA

Russell Bailey
2016 SW Sisters Welcome Road
Lake City, Florida 32025

Private Land Owner
Home Ph. 386-752-2401
Mobile 386-397-4827

CONTRACT FOR SALE

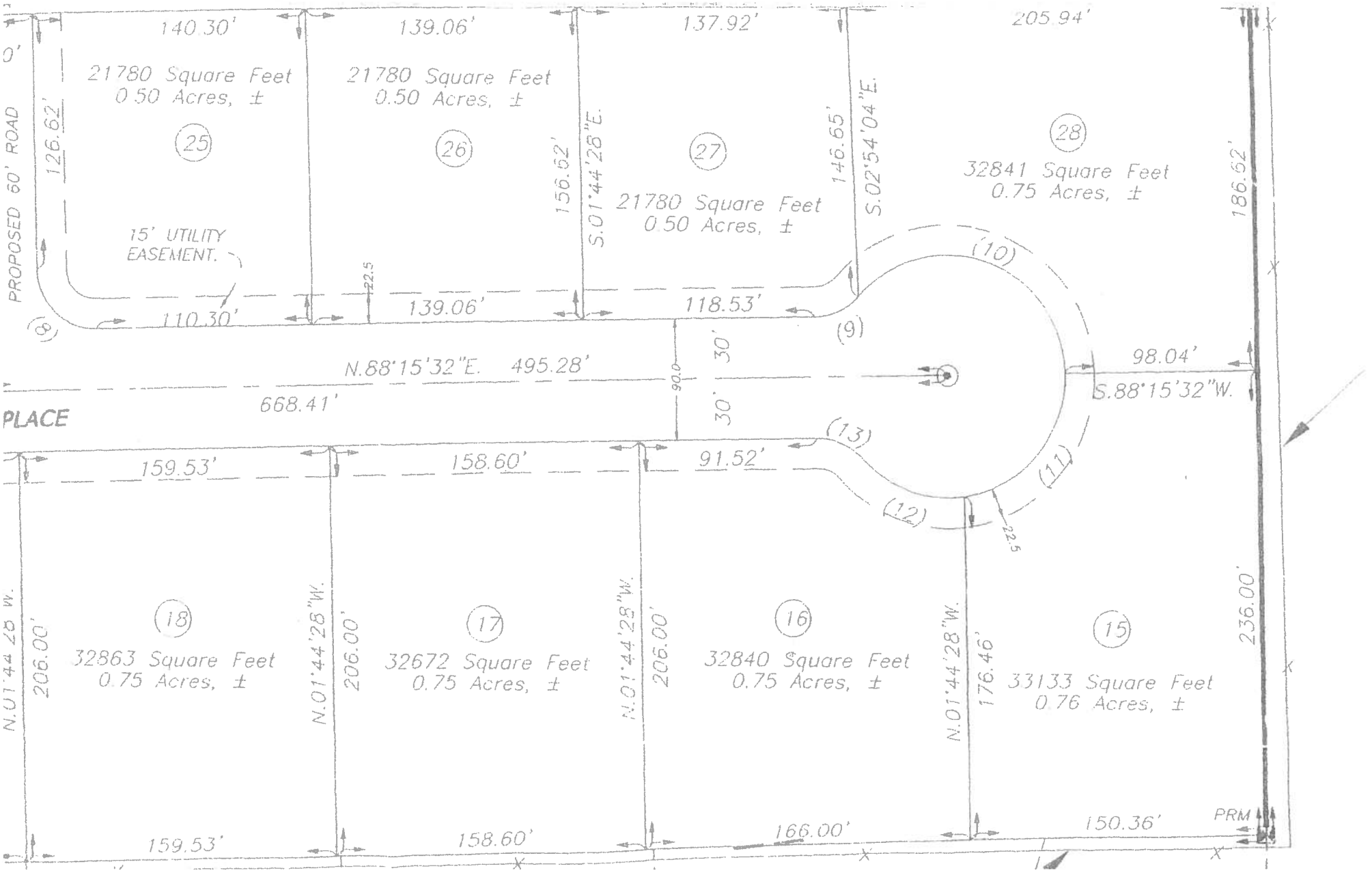
January 29, 2007

RUSSWOOD ESTATES
Unit 4, Lot 27
Columbia County

Received from Pat Johnson, $26,000.00 for the sale of Lot 27, in RUSSWOOD ESTATES, Unit 4.

Russell Bailey
Property Owner

RUSSWOOD ESTATES



RON E. BIAS WELL DRILLING

Route 2, Box 5340
Ft. White, Florida 32038
(904) 497-1045
Mobile: 364-9233

No. _____

Date _____

John Johnson

Name _____

Address _____

_____

Phone _____

DESCRIPTION

Dig
4" deep well
1 Hp sub. pump 25 GPM
1¼ drop pipe
300 Liter ar 200 Volts
Equip
35 Ftd draw down
with back flow prevention
& ¼ valve

Total _____

Deposit _____

Balance _____

Date Wanted _____

Authorized By Ron E Bias

Received By _____

FORM 600A-2004 EnergyGauge® 4.1

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**JohnsonBuilders**	Builder:	Pat Johnson
Address:	**Lot: 27, Sub: Russwood Estate, Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	25511
Owner:	**Spec House**	Jurisdiction Number:	221000
Climate Zone:	**North**		

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	4		
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	3011 ft²		
7. Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)			
a. U-factor: (or Single or Double DEFAULT)	7a. Description Area (Dble Default) 400.8 ft²		
b. SHGC: (or Clear or Tint DEFAULT)	7b. (Clear) 400.8 ft²		
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 264.0(p) ft		
b. N/A			
c. N/A			
9. Wall types			
a. Frame, Wood, Exterior	R=13.0, 1835.2 ft²		
b. Frame, Wood, Exterior	R=13.0, 304.0 ft²		
c. N/A			
d. N/A			
e. N/A			
10. Ceiling types			
a. Under Attic	R=30.0, 3061.0 ft²		
b. N/A			
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 240.0 ft		
b. N/A			
12. Cooling systems			
a. Central Unit	Cap: 55.0 kBtu/hr SEER: 13.00		
b. N/A			
c. N/A			
13. Heating systems			
a. Electric Heat Pump	Cap: 55.0 kBtu/hr HSPF: 7.90		
b. N/A			
c. N/A			
14. Hot water systems			
a. Electric Resistance	Cap: 40.0 gallons EF: 0.93		
b. N/A			
c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)			
15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)			

Glass/Floor Area: 0.13 Total as-built points: 35825 Total base points: 41890 **PASS**

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

PREPARED BY: Ron Jones

DATE: 1-5-08

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.

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

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: **Lot: 27, Sub: Russwood Estate, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT								
GLASS TYPES .18 X Conditioned Floor Area	X BSPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	SPM X	SOF	= Points	
.18	**3011.0**	**20.04**	**10861.3**	Double, Clear	N	1.5	7.5	72.0	19.20	0.96	1329.2	
				Double, Clear	E	99.0	6.5	10.0	42.06	0.36	150.1	
				Double, Clear	N	12.0	7.5	54.0	19.20	0.65	669.2	
				Double, Clear	NW	11.0	6.5	20.0	25.97	0.56	290.4	
				Double, Clear	W	1.5	7.5	36.0	38.52	0.95	1316.3	
				Double, Clear	N	1.5	5.5	8.0	19.20	0.93	142.6	
				Double, Clear	N	1.5	6.5	15.0	19.20	0.95	272.9	
				Double, Clear	E	1.5	6.5	45.0	42.06	0.93	1753.8	
				Double, Clear	S	7.0	7.5	54.0	35.87	0.53	1026.7	
				Double, Clear	S	7.0	2.0	13.5	35.87	0.43	209.1	
				Double, Clear	S	11.0	8.0	13.3	35.87	0.48	229.6	
				Double, Clear	S	7.0	7.5	36.0	35.87	0.53	684.5	
				Double, Clear	W	1.5	5.5	16.0	38.52	0.90	552.8	
				Double, Clear	W	1.5	5.5	8.0	38.52	0.90	276.4	
				As-Built Total:				**400.8**			**8903.6**	

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	1835.2	1.50	2752.8
Exterior	2139.2	1.70	3636.6	Frame, Wood, Exterior	13.0	304.0	1.50	456.0
Base Total:	**2139.2**		**3636.6**	**As-Built Total:**		**2139.2**		**3208.8**

DOOR TYPES	Area X	BSPM	= Points	Type	Area X	SPM	= Points
Adjacent	20.0	1.60	32.0	Exterior Insulated	30.0	4.10	123.0
Exterior	50.0	4.10	205.0	Exterior Insulated	20.0	4.10	82.0
				Adjacent Insulated	20.0	1.60	32.0
Base Total:	**70.0**		**237.0**	**As-Built Total:**	**70.0**		**237.0**

CEILING TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM X SCM	= Points
Under Attic	3011.0	1.73	5209.0	Under Attic	30.0	3061.0	1.73 X 1.00	5295.5
Base Total:	**3011.0**		**5209.0**	**As-Built Total:**		**3061.0**		**5295.5**

FLOOR TYPES	Area X	BSPM	= Points	Type	R-Value	Area X	SPM	= Points
Slab	264.0(p)	-37.0	-9768.0	Slab-On-Grade Edge Insulation	0.0	264.0(p	-41.20	-10876.8
Raised	0.0	0.00	0.0					
Base Total:			**-9768.0**	**As-Built Total:**		**264.0**		**-10876.8**

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Russwood Estate, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BSPM	= Points		Area X	SPM	= Points			
	3011.0	10.21	30742.3		3011.0	10.21	30742.3			
Summer Base Points: 40918.3				**Summer As-Built Points:**						**37510.5**
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	
				(sys 1: Central Unit 55000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)						
				37510	1.00	(1.09 x 1.147 x 0.91)	0.263	1.000	11204.1	
40918.3	**0.4266**	**17455.7**		**37510.5**	**1.00**	**1.138**	**0.263**	**1.000**	**11204.1**	

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Russwood Estate, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned Floor Area	X BWPM	= Points		Type/SC	Overhang Ornt	Len	Hgt	Area X	WPM X	WOF	= Points
.18	3011.0	12.74	6904.8	Double, Clear	N	1.5	7.5	72.0	24.58	1.00	1771.7
				Double, Clear	E	99.0	6.5	10.0	18.79	1.51	283.2
				Double, Clear	N	12.0	7.5	54.0	24.58	1.02	1358.2
				Double, Clear	NW	11.0	6.5	20.0	24.30	1.03	501.4
				Double, Clear	W	1.5	7.5	36.0	20.73	1.01	756.4
				Double, Clear	N	1.5	5.5	8.0	24.58	1.00	197.2
				Double, Clear	N	1.5	6.5	15.0	24.58	1.00	369.4
				Double, Clear	E	1.5	6.5	45.0	18.79	1.03	871.6
				Double, Clear	S	7.0	7.5	54.0	13.30	2.62	1883.4
				Double, Clear	S	7.0	2.0	13.5	13.30	3.66	657.0
				Double, Clear	S	11.0	8.0	13.3	13.30	3.18	562.5
				Double, Clear	S	7.0	7.5	36.0	13.30	2.62	1255.6
				Double, Clear	W	1.5	5.5	16.0	20.73	1.03	341.0
				Double, Clear	W	1.5	5.5	8.0	20.73	1.03	170.5
				As-Built Total:				**400.8**			**10979.0**

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	1835.2	3.40	6239.7
Exterior	2139.2	3.70	7915.0	Frame, Wood, Exterior	13.0	304.0	3.40	1033.6
Base Total:	**2139.2**		**7915.0**	**As-Built Total:**		**2139.2**		**7273.3**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	20.0	8.00	160.0	Exterior Insulated	30.0	8.40	252.0
Exterior	50.0	8.40	420.0	Exterior Insulated	20.0	8.40	168.0
				Adjacent Insulated	20.0	8.00	160.0
Base Total:	**70.0**		**580.0**	**As-Built Total:**	**70.0**		**580.0**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X WCM	= Points
Under Attic	3011.0	2.05	6172.5	Under Attic	30.0	3061.0	2.05 X 1.00	6275.0
Base Total:	**3011.0**		**6172.5**	**As-Built Total:**		**3061.0**		**6275.0**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	264.0(p)	8.9	2349.6	Slab-On-Grade Edge Insulation	0.0	264.0(p	18.80	4963.2
Raised	0.0	0.00	0.0					
Base Total:			**2349.6**	**As-Built Total:**		**264.0**		**4963.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Russwood Estate, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT						
INFILTRATION	Area X	BWPM	= Points		Area X	WPM	= Points			
	3011.0	-0.59	-1776.5		3011.0	-0.59	-1776.5			
Winter Base Points:			**22145.5**	**Winter As-Built Points:**						**28294.0**
Total Winter Points	X System Multiplier	= Heating Points		Total Component (System - Points)	X Cap Ratio	X Duct Multiplier (DM x DSM x AHU)	X System Multiplier	X Credit Multiplier	= Heating Points	
				(sys 1: Electric Heat Pump 55000 btuh ,EFF(7.9) Ducts:Unc(S),Unc(R),Int(AH),R6.0						
22145.5	0.6274	13894.1		28294.0	1.000	(1.069 x 1.169 x 0.93)	0.432	1.000	14193.8	
				28294.0	**1.00**	**1.162**	**0.432**	**1.000**	**14193.8**	

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Russwood Estate, Plat: , Lake City, FL,** PERMIT #:

BASE				AS-BUILT							
WATER HEATING											
Number of Bedrooms	X	Multiplier	= Total	Tank Volume	EF	Number of Bedrooms	X Tank Ratio	X Multiplier	X Credit Multiplier	= Total	
4		2635.00	10540.0	40.0	0.93	4	1.00	2606.67	1.00	10426.7	
				As-Built Total:						**10426.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points +	Heating Points +	Hot Water Points =	Total Points	Cooling Points +	Heating Points +	Hot Water Points =	Total Points
17456	**13894**	**10540**	**41890**	**11204**	**14194**	**10427**	**35825**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 27, Sub: Russwood Estate, Plat: , 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.	
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.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 85.9

The higher the score, the more efficient the home.

Spec House, Lot: 27, Sub: Russwood Estate, Plat: , Lake City, FL,

1.	New construction or existing	New	12.	Cooling systems	
2.	Single family or multi-family	Single family		a. Central Unit	Cap: 55.0 kBtu/hr
3.	Number of units, if multi-family	1			SEER: 13.00
4.	Number of Bedrooms	4		b. N/A	
5.	Is this a worst case?	Yes			
6.	Conditioned floor area (ft²)	3011 ft²		c. N/A	
7.	Glass type[1] and area: (Label reqd. by 13-104.4.5 if not default)				
	a. U-factor:	Description Area	13.	Heating systems	
	(or Single or Double DEFAULT) 7a.	(Dble Default) 400.8 ft²		a. Electric Heat Pump	Cap: 55.0 kBtu/hr
	b. SHGC:				HSPF: 7.90
	(or Clear or Tint DEFAULT) 7b.	(Clear) 400.8 ft²		b. N/A	
8.	Floor types				
	a. Slab-On-Grade Edge Insulation	R=0.0, 264.0(p) ft		c. N/A	
	b. N/A				
	c. N/A		14.	Hot water systems	
9.	Wall types			a. Electric Resistance	Cap: 40.0 gallons
	a. Frame, Wood, Exterior	R=13.0, 1835.2 ft²			EF: 0.93
	b. Frame, Wood, Exterior	R=13.0, 304.0 ft²		b. N/A	
	c. N/A				
	d. N/A			c. Conservation credits	
	e. N/A			(HR-Heat recovery, Solar	
10.	Ceiling types			DHP-Dedicated heat pump)	
	a. Under Attic	R=30.0, 3061.0 ft²	15.	HVAC credits	
	b. N/A			(CF-Ceiling fan, CV-Cross ventilation,	
	c. N/A			HF-Whole house fan,	
11.	Ducts			PT-Programmable Thermostat,	
	a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 240.0 ft		MZ-C-Multizone cooling,	
	b. N/A			MZ-H-Multizone heating)	

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

Builder Signature: _____ Date: _____

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

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

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

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 inaccordance with Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.
IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Tax Parcel ID Number 10-4S-16-02853-427 **Permit Number** 25511

1. Description of property: (legal description of the property and street address or 911 address)
Russwood Estates Unit 4 Lot 27
Lake City FL 32024

205 SW Scott Place

2. General description of improvement: New construction of single family

3. Owner Name & Address Russell Bailey 2016 SW Sisters Welcome Rd Lake City, FL 32025 **Interest in Property** _____

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

5. Contractor Name Patricia M Johnson **Phone Number** 386-755-4038
Address 204 SW Dusty Ct Lake City, FL 32024

6. Surety Holders Name _____ **Phone Number** _____
Address _____

Amount of Bond _____ Inst:2007003169 Date:02/09/2007 Time:08:46
$.?. DC,P.DeWitt Cason,Columbia County B:1110 P:698

7. Lender Name _____
ber _____
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 _____ **Phone Number** _____
Address _____

9. In addition to himself/herself the owner designates _____ **of** _____ **to receive a copy of the Lien 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) _____

THE OWNER MUST SIGN THE NOTICE OF COMMENCEMENT AND NO ONE ELSE MAY BE PERMITTED TO SIGN IN HIS/HER STEAD.

L Russell Bailey
Signature of Owner

Sworn to (or affirmed) and subscribed before day of February 9, 20 07.

Rose Ann Aiello **NOTARY STAMP/SEAL**
Signature of Notary

ROSE ANN AIELLO
MY COMMISSION # DD397594
EXPIRES: February 17, 2009
1-800-3-NOTARY Fl. Notary Discount Assoc. Co.

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001325

DATE 02/08/2007 PARCEL ID # 10-4S-16-02853-427

APPLICANT PATRICIA JOHNSON PHONE 755-4038

ADDRESS 204 SW DUSTY GLEN LAKE CITY FL 32024

OWNER RUSSELL BAILEY PHONE 752-2401

ADDRESS 205 SW SCOTT PLACE LAKE CITY FL 32024

CONTRACTOR PATRICIA JOHNSON PHONE 755-4038

LOCATION OF PROPERTY 247S, TR ON TROY ST, TR ON RUSSWOOD TERR, TL ONBETHANY PL,
TR ON DOROTHY, TR ON SCOTT PLACE, 3RD ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT RUSSWOOD ESTATES 27

SIGNATURE X Pat Johnson

INSTALLATION REQUIREMENTS

[X] Culvert size will be 18 inches in diameter with a total lenght of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:
a) a majority of the current and existing driveway turnouts are paved, or;
b) the driveway to be served will be paved or formed with concrete.
Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.

[ ] Culvert installation shall conform to the approved site plan standards.

[ ] Department of Transportation Permit installation approved standards.

[ ] Other _____

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED DURING THE INSTALATION OF THE CULVERT.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160

Amount Paid 25.00

COLUMBIA COUNTY GATEWAY TO FLORIDA

Residential System Sizing Calculation

Summary

Spec House

Lake City, FL

Project Title:
JohnsonBuilders

Class 3 Rating
Registration No. 0
Climate: North

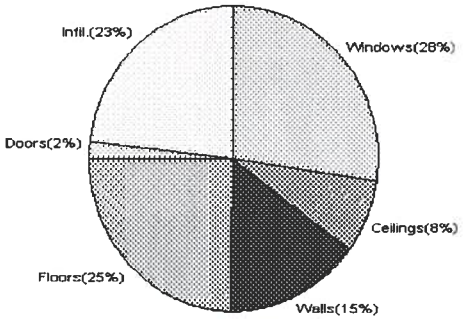
1/5/2007

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	**46578**	**Btuh**	**Total cooling load calculation**	**40680**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	118.1	55000	Sensible (SHR = 0.75)	120.9	41250
Heat Pump + Auxiliary(0.0kW)	118.1	55000	Latent	209.9	13750
			Total (Electric Heat Pump)	135.2	55000

WINTER CALCULATIONS

Winter Heating Load (for 3011 sqft)

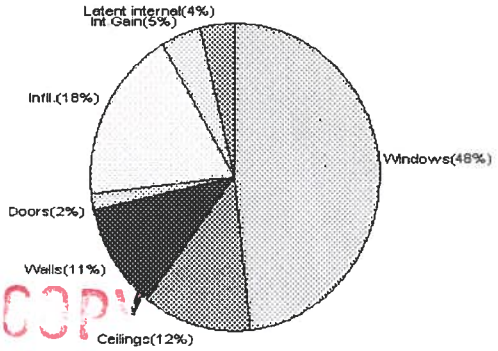
Load component			Load	
Window total	401	sqft	12902	Btuh
Wall total	2139	sqft	7025	Btuh
Door total	70	sqft	907	Btuh
Ceiling total	3061	sqft	3607	Btuh
Floor total	264	sqft	11526	Btuh
Infiltration	262	cfm	10611	Btuh
Duct loss			0	Btuh
Subtotal			**46578**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**46578**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 3011 sqft)

Load component			Load	
Window total	401	sqft	19549	Btuh
Wall total	2139	sqft	4462	Btuh
Door total	70	sqft	686	Btuh
Ceiling total	3061	sqft	5069	Btuh
Floor total			0	Btuh
Infiltration	135	cfm	2522	Btuh
Internal gain			1840	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			**34128**	**Btuh**
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			4952	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1600	Btuh
Total latent gain			**6552**	**Btuh**
TOTAL HEAT GAIN			**40680**	**Btuh**



For Florida residences only

EnergyGauge® System Sizing
PREPARED BY:
DATE: 1-5-07

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House | Project Title: JohnsonBuilders | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 1/5/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	72.0	32.2	2318 Btuh
2	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	54.0	32.2	1738 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	SW	36.0	32.2	1159 Btuh
6	2, Clear, Metal, 0.87	NW	8.0	32.2	258 Btuh
7	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	NE	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	SE	54.0	32.2	1738 Btuh
10	2, Clear, Metal, 0.87	SE	13.5	32.2	435 Btuh
11	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
12	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
13	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
14	2, Clear, Metal, 0.87	SW	8.0	32.2	258 Btuh
	Window Total		401(sqft)		12902 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1835	3.3	6027 Btuh
2	Frame - Wood - Ext(0.09)	13.0	304	3.3	998 Btuh
	Wall Total		2139		7025 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		30	12.9	388 Btuh
	Door Total		70		907Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3061	1.2	3607 Btuh
	Ceiling Total		3061		3607Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	264.0 ft(p)	43.7	11526 Btuh
	Floor Total		264		11526 Btuh
			Zone Envelope Subtotal:		35967 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.58	27099	262.0	10611 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**46578 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL

Project Title:
JohnsonBuilders

Class 3 Rating
Registration No. 0
Climate: North

1/5/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	46578 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	46578 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

Spec House | Project Title: JohnsonBuilders | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F | 1/5/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	72.0	32.2	2318 Btuh
2	2, Clear, Metal, 0.87	NE	10.0	32.2	322 Btuh
3	2, Clear, Metal, 0.87	NW	54.0	32.2	1738 Btuh
4	2, Clear, Metal, 0.87	W	20.0	32.2	644 Btuh
5	2, Clear, Metal, 0.87	SW	36.0	32.2	1159 Btuh
6	2, Clear, Metal, 0.87	NW	8.0	32.2	258 Btuh
7	2, Clear, Metal, 0.87	NW	15.0	32.2	483 Btuh
8	2, Clear, Metal, 0.87	NE	45.0	32.2	1449 Btuh
9	2, Clear, Metal, 0.87	SE	54.0	32.2	1738 Btuh
10	2, Clear, Metal, 0.87	SE	13.5	32.2	435 Btuh
11	2, Clear, Metal, 0.87	SE	13.3	32.2	428 Btuh
12	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
13	2, Clear, Metal, 0.87	SW	16.0	32.2	515 Btuh
14	2, Clear, Metal, 0.87	SW	8.0	32.2	258 Btuh
	Window Total		401(sqft)		12902 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1835	3.3	6027 Btuh
2	Frame - Wood - Ext(0.09)	13.0	304	3.3	998 Btuh
	Wall Total		2139		7025 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		30	12.9	388 Btuh
	Door Total		70		907Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	3061	1.2	3607 Btuh
	Ceiling Total		3061		3607Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	264.0 ft(p)	43.7	11526 Btuh
	Floor Total		264		11526 Btuh
			Zone Envelope Subtotal:		35967 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.58	27099	262.0	10611 Btuh
Ductload	Average sealed, R6.0, Supply(Attic), Return(Attic)			(DLM of 0.00)	0 Btuh
Zone #1			**Sensible Zone Subtotal**		**46578 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL

Project Title:
JohnsonBuilders

Class 3 Rating
Registration No. 0
Climate: North

1/5/2007

WHOLE HOUSE TOTALS

	Subtotal Sensible	46578 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	46578 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 - Summer

Residential Load - Whole House Component Details

Spec House | Project Title: JohnsonBuilders | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/5/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Whole House

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	7.5ft.	72.0	0.0	72.0	29	60	4323 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6.5ft.	10.0	0.0	10.0	29	60	600 Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	7.5ft.	54.0	0.0	54.0	29	60	3242 Btuh
4	2, Clear, 0.87, None,N,N	W	11ft.	6.5ft.	20.0	20.0	0.0	29	80	579 Btuh
5	2, Clear, 0.87, None,N,N	SW	1.5ft.	7.5ft.	36.0	6.1	29.9	29	63	2045 Btuh
6	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	8.0	0.0	8.0	29	60	480 Btuh
7	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	15.0	0.0	15.0	29	60	901 Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
9	2, Clear, 0.87, None,N,N	SE	7ft.	7.5ft.	54.0	54.0	0.0	29	63	1564 Btuh
10	2, Clear, 0.87, None,N,N	SE	7ft.	2ft.	13.5	13.5	0.0	29	63	391 Btuh
11	2, Clear, 0.87, None,N,N	SE	11ft.	8ft.	13.3	13.3	0.0	29	63	385 Btuh
12	2, Clear, 0.87, None,N,N	SE	7ft.	7.5ft.	36.0	36.0	0.0	29	63	1043 Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	16.0	4.1	11.9	29	63	863 Btuh
14	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	8.0	2.0	6.0	29	63	432 Btuh
	Window Total				401 (sqft)					19549 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1835.2	2.1	3828 Btuh
2	Frame - Wood - Ext	13.0/0.09	304.0	2.1	634 Btuh
	Wall Total		2139 (sqft)		4462 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	30.0	9.8	294 Btuh
	Door Total	70 (sqft)		686 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3061.0	1.7	5069 Btuh
	Ceiling Total		3061 (sqft)		5069 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	264 (ft(p))	0.0	0 Btuh
	Floor Total		264.0 (sqft)		0 Btuh

			Zone Envelope Subtotal:		29766 Btuh
Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.30	27099	135.5	2522 Btuh
Internal gain		Occupants	Btuh/occupant	Appliance	Load
		8	X 230 +	0	1840 Btuh
Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)			DGM = 0.00	0.0 Btuh
			Sensible Zone Load		**34128 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL

Project Title:
JohnsonBuilders

Class 3 Rating
Registration No. 0
Climate: North

1/5/2007

WHOLE HOUSE TOTALS

	Sensible Envelope Load All Zones	**34128 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**34128 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
Whole House	**Total sensible gain**	**34128 Btuh**
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	4952 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6552 Btuh**
	TOTAL GAIN	**40680 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)

For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Spec House | Project Title: JohnsonBuilders | Class 3 Rating

Lake City, FL | Registration No. 0 | Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F 1/5/2007

This calculation is for Worst Case. The house has been rotated 315 degrees.

Component Loads for Zone #1: Main

Window	Type* Pn/SHGC/U/InSh/ExSh/IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2, Clear, 0.87, None,N,N	NW	1.5ft.	7.5ft.	72.0	0.0	72.0	29	60	4323 Btuh
2	2, Clear, 0.87, None,N,N	NE	99ft.	6.5ft.	10.0	0.0	10.0	29	60	600 Btuh
3	2, Clear, 0.87, None,N,N	NW	12ft.	7.5ft.	54.0	0.0	54.0	29	60	3242 Btuh
4	2, Clear, 0.87, None,N,N	W	11ft.	6.5ft.	20.0	20.0	0.0	29	80	579 Btuh
5	2, Clear, 0.87, None,N,N	SW	1.5ft.	7.5ft.	36.0	6.1	29.9	29	63	2045 Btuh
6	2, Clear, 0.87, None,N,N	NW	1.5ft.	5.5ft.	8.0	0.0	8.0	29	60	480 Btuh
7	2, Clear, 0.87, None,N,N	NW	1.5ft.	6.5ft.	15.0	0.0	15.0	29	60	901 Btuh
8	2, Clear, 0.87, None,N,N	NE	1.5ft.	6.5ft.	45.0	0.0	45.0	29	60	2702 Btuh
9	2, Clear, 0.87, None,N,N	SE	7ft.	7.5ft.	54.0	54.0	0.0	29	63	1564 Btuh
10	2, Clear, 0.87, None,N,N	SE	7ft.	2ft.	13.5	13.5	0.0	29	63	391 Btuh
11	2, Clear, 0.87, None,N,N	SE	11ft.	8ft.	13.3	13.3	0.0	29	63	385 Btuh
12	2, Clear, 0.87, None,N,N	SE	7ft.	7.5ft.	36.0	36.0	0.0	29	63	1043 Btuh
13	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	16.0	4.1	11.9	29	63	863 Btuh
14	2, Clear, 0.87, None,N,N	SW	1.5ft.	5.5ft.	8.0	2.0	6.0	29	63	432 Btuh
	Window Total				401 (sqft)					19549 Btuh

Walls	Type	R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	13.0/0.09	1835.2	2.1	3828 Btuh
2	Frame - Wood - Ext	13.0/0.09	304.0	2.1	634 Btuh
	Wall Total		2139 (sqft)		4462 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Adjacent	20.0	9.8	196 Btuh
2	Insulated - Exterior	20.0	9.8	196 Btuh
3	Insulated - Exterior	30.0	9.8	294 Btuh
	Door Total	70 (sqft)		686 Btuh

Ceilings	Type/Color/Surface	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	30.0	3061.0	1.7	5069 Btuh
	Ceiling Total		3061 (sqft)		5069 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	264 (ft(p))	0.0	0 Btuh
	Floor Total		264.0 (sqft)		0 Btuh

	Zone Envelope Subtotal:	29766 Btuh

Infiltration	Type	ACH	Volume(cuft)	CFM=	Load
	SensibleNatural	0.30	27099	135.5	2522 Btuh

Internal gain	Occupants	Btuh/occupant	Appliance	Load
	8	X 230 +	0	1840 Btuh

Duct load	Average sealed, R6.0, Supply(Attic), Return(Attic)	DGM = 0.00	0.0 Btuh
		Sensible Zone Load	**34128 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Lake City, FL

Project Title:
JohnsonBuilders

Class 3 Rating
Registration No. 0
Climate: North

1/5/2007

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**34128 Btuh**
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	**34128 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**34128 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4952 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (8 people @ 200 Btuh per person)	1600 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6552 Btuh**
	TOTAL GAIN	**40680 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)

For Florida residences only

Residential Window Diversity

MidSummer

Spec House

Lake City, FL

Project Title:
JohnsonBuilders

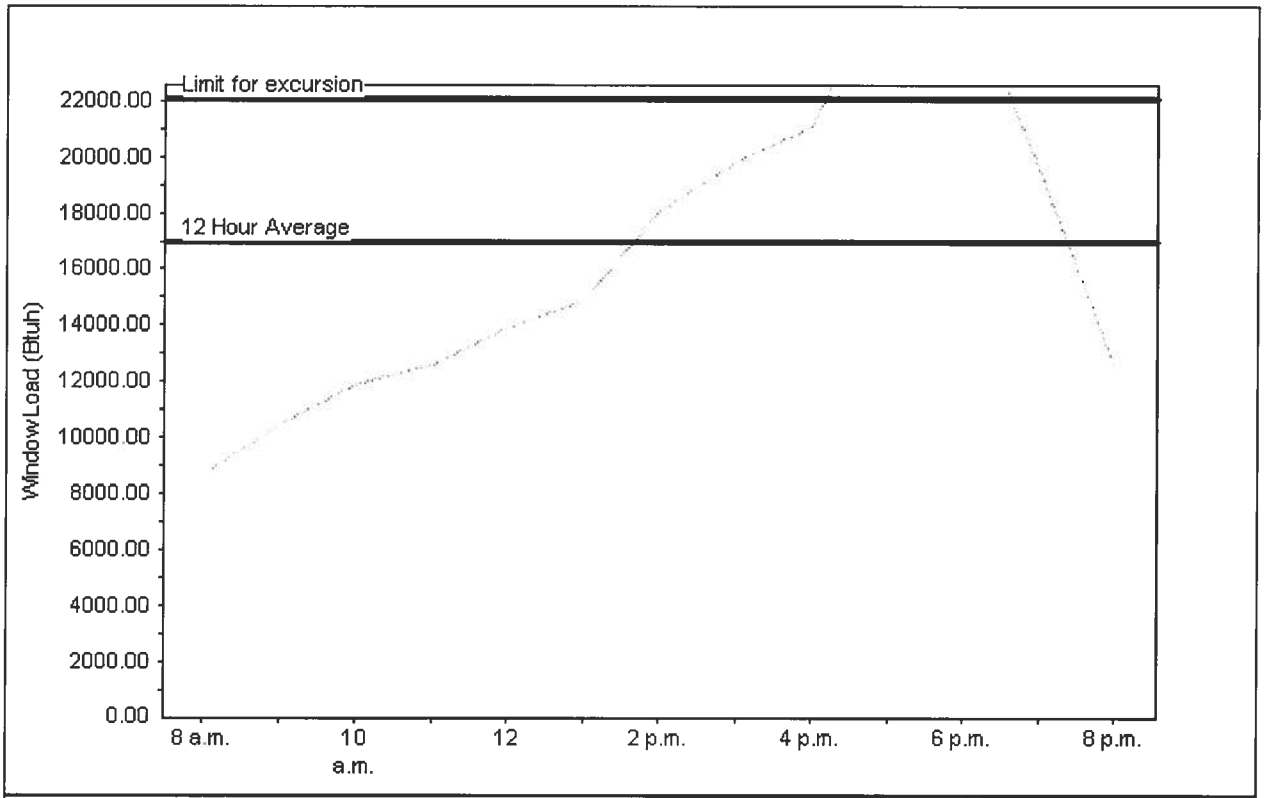
Class 3 Rating
Registration No. 0
Climate: North

1/5/2007

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	16966 Btu
Summer setpoint	75 F	Peak window load for July	26770 Btu
Summer temperature difference	17 F	Excusion limit(130% of Ave.)	22056 Btu
Latitude	29 North	Window excursion (July)	4714 Btuh

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

This application has glass areas that produce large heat gains for part of the day. Variable air volume devices are required to overcome spikes in solar gain for one or more rooms. Install a zoned system or provide zone control for problem rooms. Single speed equipment may not be suitable for the application.

EnergyGauge® System Sizing for Florida residences only
PREPARED BY:
DATE: 1-5-07

TimberSaver PT is a borate based wood preservative applied to lumber and plywood using a pressure-treatment process, to provide permanent protection against wood destroying insects and decay fungi in interior applications. TimberSaver PT borate treated lumber and plywood is not suitable for applications exposed to the weather or in ground contact and must be protected from exposure to liquid water.

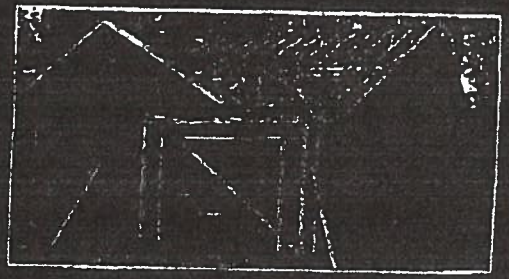
The active ingredient in TimberSaver PT, Disodium Octaborate Tetrahydrate or DOT, is the most widely accepted form of borates used for treatment of forest products. DOT is manufactured from naturally occurring boron, which is widely used in a variety of applications in agriculture, cleaning products and detergents, and in wood preservation.

Product Attributes

TimberSaver® PT

- Offers the most effective level of borate protection
- Provides permanent protection for dry interior applications
- Protects against fungal decay
- Protects against Formosan Termites and other wood destroying insects
- Non-corrosive to metal fasteners
- Non-toxic to humans and animals
- Does not adversely affect the strength properties of the treated lumber or plywood
- Is a colorless treatment and is also available with a dye to make job site product identification easier
- Is applied through a pressure-treatment process to optimize penetration of borate preservative
- Penetrates difficult-to-treat refractory species such as Spruce-Pine-Fir and Douglas-Fir*

* Incising is required for Coastal Douglas-Fir and Western Spruce-Pine-Fir as per AWPA Standard C31



Uses for TimberSaver® PT

Applications for **TimberSaver PT** treated products include:

- Framing Lumber
- Studs
- Sill Plates
- Floor Joists
- Roof Rafters
- Trusses
- Plywood
- Interior Sheathing
- Furring Strips
- Flooring
- Moldings
- Interior Wood Trim

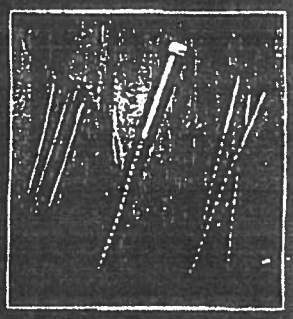
TimberSaver PT Protects Against These Wood Destroying Insects and Decay Causing Fungi.

- Formosan Termites*
- Subterranean Termites *(Coptotermes, Reticulitermes, Heterotermes)*
- Dampwood Termites *(Zootermopsis)*
- Drywood Termites *(Kalotermes, Incisitermes)*
- Carpenter Ants *(Componotus)*
- Powderpost Beetles *(Lyctidae)*
- Furniture Beetles *(Anobiidae)*
- Longhorn Beetles *(Cerambycidae)*
- Brown Rot Fungi
- White Rot Fungi
- Wet Rot Fungi

* Borate preservatives have been and continue to be a key weapon used in controlling Formosan Termites in Hawaii and other high hazard areas throughout the world. TimberSaver PT borate-treated lumber and plywood is protected against this aggressive termite species when the higher 0.42 pcf (DOT) retention is specified.

Handling and Use TimberSaver® PT

TimberSaver PT borate treated wood can be sawn, nailed, drilled, stained and assembled using standard fastener systems typically used in general wood construction practices.



Lumber and plywood treated with **TimberSaver PT** must be protected from exposure to the weather while in transit and while being stored at retail yards and job sites. **TimberSaver PT** products should be stored out of ground contact; either indoors or wrapped in plastic to protect against exposure to liquid water.

With the exception of Southern Pine, all end cut surfaces and field cuts of any type must receive an application of **TimberSaver** solution by brushing, spraying, dipping, or flooding.

PRODUCT APPROVAL SPECIFICATION SHEET

Location: **Project Name:**

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			FL 4242-R1
1. Swinging			
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung			FL 5108
2. Horizontal Slider			FL 5451
3. Casement			
4. Double Hung			
5. Fixed			FL 5418
6. Awning			
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			FL 889-R2
2. Soffits			FL 4899
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			FL 3820-R1
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			FL 586-R2
2. Underlayments			FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			FL. 1960-R
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			FL 451-k
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 774-R
2. Truss plates			
3. Engineered lumber			FL 1009-2
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1			
2			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these 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.

I understand these products may have to be removed if approval cannot be demonstrated during inspec

Patricia M Johnson
Contractor or Contractor's Authorized Agent Signature

Patricia M Johnson
Print Name

1-29-07
Date

Lake City FL

MI HOME PRODUCTS

- PRIME ALUMINUM WINDOWS -

INSTALLATION INSTRUCTIONS FOR "NAIL FIN" PRODUCTS

MI Home Products appreciates your recent purchase of a maintenance free prime window, which will not rust, rot, mildew, or warp. This is a quality product that left our factory in good condition – proper handling and installation are just as important as good design and workmanship. Please follow these recommendations to allow this product to complete its function

1. Handle units one at a time in the closed and locked position and take care not to scratch frame or glass or to bend the nailing fin.

2. Set unit plumb and square into opening and make sure that there is 3/16" ± 1/16" clearance around the frame. Fasten unit into opening in the closed and locked position, making sure that fasteners are screwed in straight in order to avoid twisting or bowing of the frame. Make sure that sill is straight and level. Check operation of unit before any and all fasteners are set

3. Use # 8 sheet metal or wood screws with a minimum of 1" penetration into the framing (stud). Place first screws (two at each corner) 3" from end of fin. For positive and negative DPs (design pressures) up to **35**, do not exceed **24"** spacing of additional screws. For DPs from **35.1** to **50**, do not exceed **18"**. Install load bearing shim adjacent to each anchor. Use shim where space exceeds 1/16"

4. Flash over head and caulk outside perimeter in accordance with code requirements and good installation practices

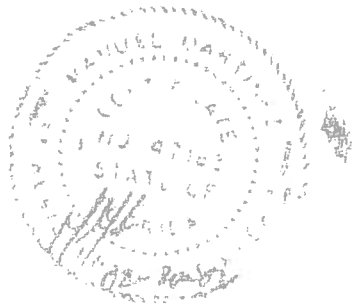
5. Fill voids between frame and construction with loose batten type insulation or non-expanding aerosol foam specifically formulated for windows and doors to eliminate drafts. The use of expanding aerosol type insulating foam, which can bow the frame, waives all stated warranties

6. Remove plaster, mortar, paint and any other debris that may have collected on the unit and make sure that sash/vent tracks and interlocks are also clear. Do not use abrasives, solvents, ammonia, vinegar, alkaline, or acid solutions for clean-up, especially with insulated glass units as their use could cause chemical breakdown of the glass seal. Take care not to scratch glass; scratches severely weaken glass and it could eventually break from thermal expansion and contraction. Clean units with water and mild detergent as you would you automobile

CAUTION -

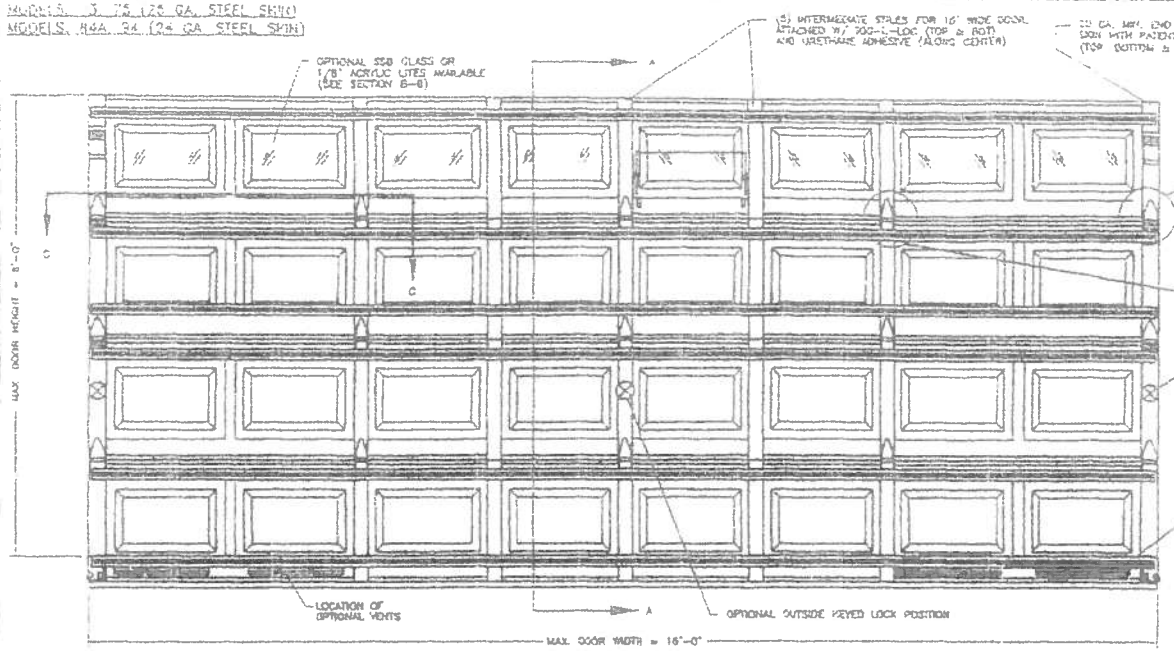
MI Home Products or its representatives are unable to control and cannot assume responsibility for the selection and placement of their products in a building or structure in a manner required by laws, statutes, and/or building codes. The purchaser is solely responsible for knowledge of and adherence to the same. MI Home Products window products are not provided with safety glazing unless specifically ordered with such. Many laws and codes require safety glazing near doors, bathtubs, and shower enclosures. Also be aware of emergency egress code requirements

Corporate Headquarters
650 West Market St.
Gratz, PA 17030-0370
(717) 365-3300

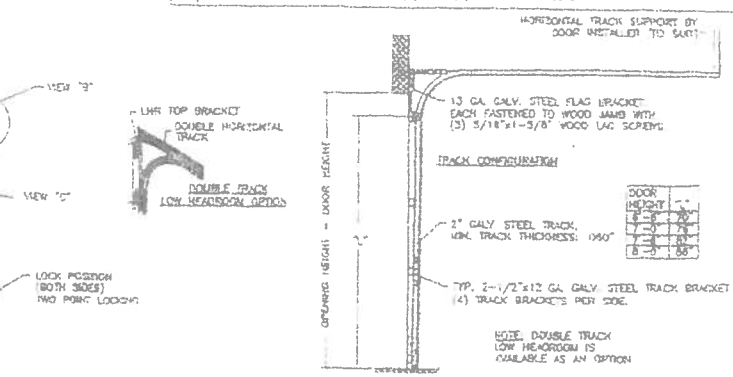


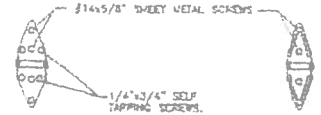
MODELS: J, 75 (25 GA. STEEL SKIN)
MODELS: 84A, 94 (24 GA. STEEL SKIN)

REV	DATE	DESCRIPTION
02	2/1/2000	ADDED JAMB ATTACHMENT INFORMATION
03	3/16/2000	ADDED LHR TRACK OPTION NOTE; DEL. M/N 62/80
04	11/13/2000	QTY (1) WAS (2) FOR TRACK BOLTS



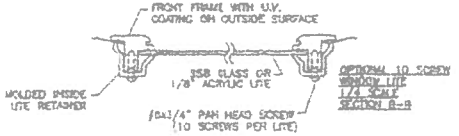
INSIDE ELEVATIONS

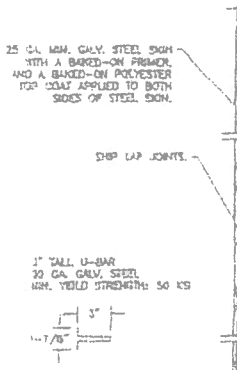




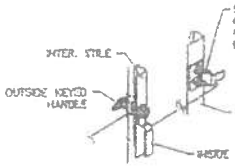
NOTE 1:
DOORS UP TO 7'-0" HIGH CONSIST OF (4) SECTIONS (SHOWN). DOORS OVER 7'-0" HIGH CONSIST OF (5) SECTIONS (NOT SHOWN).

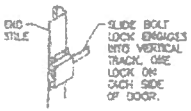
NOTE 2: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

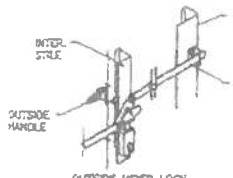




SECTION A-A (SIDE VIEW)



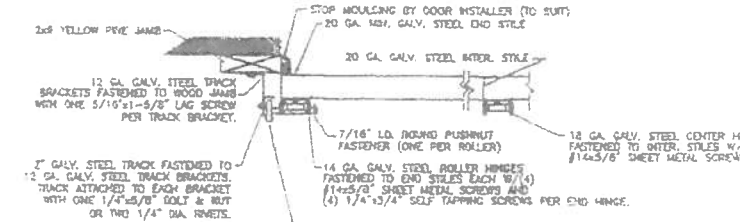




LISTED
SBCCI PST&ESI
REPORT#9606C

JAMB ATTACHMENT (C-90 BLOCK OR CONC. PER MIN. CONCRETE CRITERIA):
3/8"ø4" SLEEVE ANCHOR BOLTS ON 21" CENTERS (C-90 BLOCK) OR 24" CENTERS (2,000 PSI MIN. CONCRETE) OR 1/4"ø4" TAPCON SCREWS ON 17-1/2" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS, 1" O.D. MIN. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
1/2"x3" LAG SCREWS ON 19" CENTERS. 1" O.D. MIN. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSU (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.



DESIGN ENGINEER: MARK WESTERFIELD, P
FLORIDA P.E. #48495
DESIGN LOADS: +24.0 PSF & -24.5 PS
TEST LOADS: +36.0 PSF & -37.0 PSF

Clopay Building Products Company

CLOPAY BUILDING PRODUCTS COMPANY
312 WALNUT STREET
SUITE 1800
CINCINNATI, OH 45202
(513) 381-4800

SCALE:	AS NOTED
DATE:	1/3/97
DRAWN BY:	JAC
CHECKED BY:	MWW
PLOT:	
MAX. DOOR SIZE:	16'0"W x 8'0"H
DESCRIPTION:	M/N 73/75/84A/94 16'W +24/-24.5 PSF DES.
	B
DRAWING NUMBER:	101711
REV:	C

Notice of Intent for Preventative Treatment for Termites

(As required by Florida Building Code 104.2.6)

Date: 1-29-07

205 SW Scott Place — Lake City

(Address of Treatment or Lot/Block of Treatment) — City

Florida Pest Control & Chemical Co.

www.flapest.com

Product to be used: Bora-Care Termiticide (Wood Treatment)

Chemical to be used: 23% Disodium Octaborate Tetrahydrate

Application will be performed onto structural wood at dried-in stage of construction. Bora-Care Termiticide application shall be applied according to EPA registered label directions as stated in the Florida Building Code Section 1816.1

(Information to be provided to local building code offices prior to concrete foundation installation.)

6/05 ©

25511

Notice of Treatment 13461

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

Address: BAKER Hwy

City Lake City Phone 752-1703

Site Location: Subdivision Kingsland

Lot # 24 Block# Permit # 25511

Address 205 SW Scott Place

Product used	Active Ingredient	% Concentration
☑ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment: ☑ Soil ☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
Perimeter	4343	302	45

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 ____.

1/29/07 — 0730 — Time — Print Technician's Name

Date

Remarks: ____

Applicator - White Permit File - Canary Permit Holder - Pink ©

10/05

CERTIFICATE OF

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 10-4S-16-02853-427 **Building permit No.** 000025511

Use Classification SFD,UTILITY **Fire:** 64.20

Permit Holder PATRICIA JOHNSON **Waste:** 167.50

Owner of Building RUSSELL BAILEY **Total:** 231.70

Location: 205 SW SCOTT PLACE, LAKE CITY, FL

Date: 12/23/2008

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)