

DATE 08/18/2004

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000022210

APPLICANT GARY THOMPSON PHONE 935-2118

ADDRESS 3554 256TH STREET O'BRIEN FL 32071

OWNER LAMAR & LEANN HIRES PHONE 755-5913

ADDRESS 1000 SW LEGION DRIVE LAKE CITY FL 32024

CONTRACTOR THOMPSON CONSTRUCTION PHONE _____

LOCATION OF PROPERTY BRANFORD, TR ON TAMARACK, TL ON LEGION, GO INTO SUBDIVISION
1ST LOT ON LEFT

TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 149000.00

HEATED FLOOR AREA 2980.00 TOTAL AREA 3892.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8/12 FLOOR SLAB

LAND USE & ZONING A-3 MAX. HEIGHT 25

Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00

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

PARCEL ID 17-4S-16-03051-125 SUBDIVISION SOUTH POINTE

LOT 25 BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 5.01

000000386 N CRC046869

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor

PERMIT 04-0822-N BK RJ Y

Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 8688

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

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

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

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

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

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

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

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

BUILDING PERMIT FEE \$ 745.00 CERTIFICATION FEE \$ 19.46 SURCHARGE FEE \$ 19.46

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

FLOOD ZONE DEVELOPMENT FEE \$ _____ CULVERT FEE \$ 25.00 TOTAL FEE 858.92

INSPECTORS OFFICE [Signature] CLERKS OFFICE CH

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

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

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF Columbia

LOAN NO. 2004-1907

THE UNDERSIGNED HEREBY INFORMS ALL CONCERNED THAT IMPROVEMENTS WILL BE MADE TO CERTAIN REAL PROPERTY AND, IN ACCORDANCE WITH SECTION 713.13 OF THE FLORIDA STATUTES, THE FOLLOWING INFORMATION IS STATED IN THE NOTICE OF COMMENCEMENT. THIS NOTICE IS VOID AND OF NO FORCE AND EFFECT IF CONSTRUCTION IS NOT COMMENCED WITHIN (90) DAYS OF RECORDATION.

1. PROPERTY DESCRIPTION

A. Street Address or Location Description:
TBD SW Legion Drive
Lake City, FLORIDA 32024

B. Legal Description:
See Legal description attached hereto and made a part hereof: as
exhibit "A"

2. GENERAL DESCRIPTION OF IMPROVEMENTS:

CONSTRUCTION OF SINGLE FAMILY DWELLING

3. A. OWNER INFORMATION NAME AND ADDRESS:

Name: Hershell Lamar Hires, Jr. AND Lee Ann Hires

Mailing Address
212 SW Reginald Place
Lake City, FL 32024

Address: TBD SW Legion Drive
Lake City, FLORIDA 32024

B. OWNER'S INTEREST IN THE SITE OF IMPROVEMENT IS: FEE SIMPLE

C. NAME AND ADDRESS OF FEE SIMPLE TITLEHOLDER (IF OTHER THAN OWNER)

Name:
Address:

4. NAME AND ADDRESS OF CONTRACTOR:

Name: Thompson Construction
Address: 3554 256 Street
OBrien, FL 32071
Phone Number: _____

Fax Number: _____

5. SURETY (IF ANY):

Name:
Address:
Amount of Bond:

6. LENDER MAKING CONSTRUCTION LOAN:

Name: CNB NATIONAL BANK
Address: 187 SW BAYA DR., P.O. BOX 3239
LAKE CITY, FLORIDA 32025

7. PERSON DESIGNATED BY OWNER UPON WHOM NOTICES OR OTHER DOCUMENTS MAY BE SERVED AS PROVIDED BY SECTION 713.13 (1) (a) FLORIDA STATUTES:

Name:
Address:

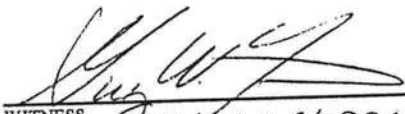
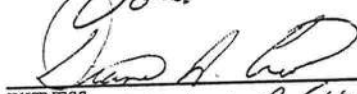
Phone Number: _____

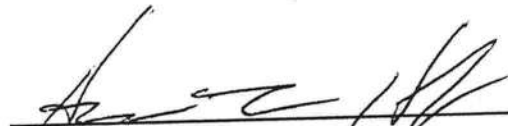
Fax Number: _____


8. OWNER DESIGNATES THE FOLLOWING PERSON IN ADDITION TO HIMSELF TO RECEIVE A COPY OF THE LIENORS NOTICE AS PROVIDED IN SECTION 713.13 (1) (b), FLORIDA STATUTES:

Name: CNB NATIONAL BANK
Address: 187 SW BAYA DR., P.O. BOX 3239
LAKE CITY, FLORIDA 32025
Attn:

9. EXPIRATION DATE OF NOTICE OF COMMENCEMENT (THE EXPIRATION DATE IS 1 YEAR FROM THE DATE OF RECORDING UNLESS A DIFFERENT DATE IS SPECIFIED.)


WITNESS JAY W. NORRIS

WITNESS DIANE A. CREWS


OWNER Hershell Lamar Hires, Jr.


OWNER Lee Ann Hires

OWNER _____

OWNER _____

State of Florida

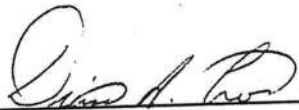
The following instrument was acknowledged before me this JULY 14, 2004
Hershell Lamar Hires, Jr. AND Lee Ann Hires, HUSBAND AND WIFE

by

who is personally known to me or who has produced FLA. DRIVERS' LICENSES
who did not take an oath.

as identification and

NOTARY PUBLIC
(Seal)



MY COMMISSION EXPIRES

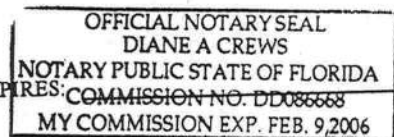


Exhibit A

Lot 25, SOUTH POINTE, a subdivision according to the plat thereof as recorded in Plat Book 7, Pages 52, 53 and 54 of the public records of Columbia County, Florida.

Parcel Identification Number: 17-4S-16-03051-125

Inst:2004016347 Date:07/15/2004 Time:08:56

DC,P.DeWitt Cason,Columbia County B:1020 P:2519

STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DeWITT CASON, CLERK OF COURTS

By Mandi Keen
Deputy Clerk

Date July 15, 2004



Columbia County Building Permit Application

8688

For Office Use Only Application # 0408-10 Date Received 8/4/09 By JW Permit # 386/22210
 Application Approved by - Zoning Official BK Date 8/18/09 Plans Examiner RJ Date _____
 Flood Zone X Development Permit _____ Zoning A-3 Land Use Plan Map Category A-3
 Comments: NEED VIGNED E.N. NEWTON'S Plan
C. Shuss Package L. Allen

Applicants Name GARY W. THOMPSON Phone 935-2118
755-5913
 Address 3554 256 ST. O'BRIEN, FL. 32071
 Owners Name LAMAR & LEANN HIRS Phone 755-5913
 911 Address 1000 SW LEGION DR. LAKE CITY, FL. 32024
 Contractors Name THOMPSON CONSTRUCTION Phone 386) 935-2118
 Address 3554 256 ST O'BRIEN, FL. 32071
 Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address N/A
 Architect/Engineer Name & Address NICHOLAS GEISLER RT 17 BOX 1038 LC 32055
 Mortgage Lenders Name & Address CNB NATIONAL BANK 187 SW BAY DR LC 32085
 Property ID Number 17-45-16-03051-125 Estimated Cost of Construction \$311,000
 Subdivision Name SOUTH POINTE Lot 25 Block _____ Unit _____ Phase _____
 Driving Directions FROM LAKE CITY GO WEST ON 247 & TURN RIGHT ON TAMARACK
GO 3/10 MILES TURN LEFT ONTO LEGION GO 8/10 MILES. LOT 25 ON LEFT.
 Type of Construction S/F NEW CONSTRUCTION Number of Existing Dwellings on Property 0
 Total Acreage 5.01 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv
 Actual Distance of Structure from Property Lines - Front 150 Side 435' Side 200 Rear 130
 Total Building Height 25'-10" Number of Stories 1 Heated Floor Area 2980 Roof Pitch 8/12

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

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

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

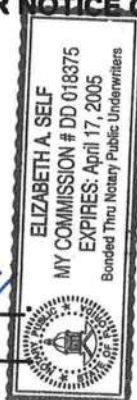
Owner Builder or Agent (Including Contractor) _____

STATE OF FLORIDA
 COUNTY OF COLUMBIA Suwannee

Sworn to (or affirmed) and subscribed before me

this 4 day of aug 2009

Personally known ✓ or Produced Identification _____



Contractor Signature _____
 Contractors License Number CL0046869
 Competency Card Number _____

NOTARY STAMP/SEAL

Notary Signature Elizabeth A. Self

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000000386**

DATE 08/18/2004 PARCEL ID # 17-4S-16-03051-125
APPLICANT GARY THOMPSON PHONE 935-2118
ADDRESS 3554 256TH STREET O'BRIEN FL 32071
OWNER LAMAR & LEANN HIRES PHONE 755-5913
ADDRESS 100 SW LEGION DRIVE LAKE CITY FL 32024
CONTRACTOR THOMPSON CONSTRUCTION PHONE 935-2118
LOCATION OF PROPERTY BRANFORD, TR ON TAMARACK, TL ON LEGION, AFTER ENTERING INTO
SUBDIVISION, 1ST LOT ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SOUTH POINTE 25

SIGNATURE

Gary V. Thompson

INSTALLATION REQUIREMENTS

☒ X

Culvert size will be 18 inches in diameter with a total length 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 _____

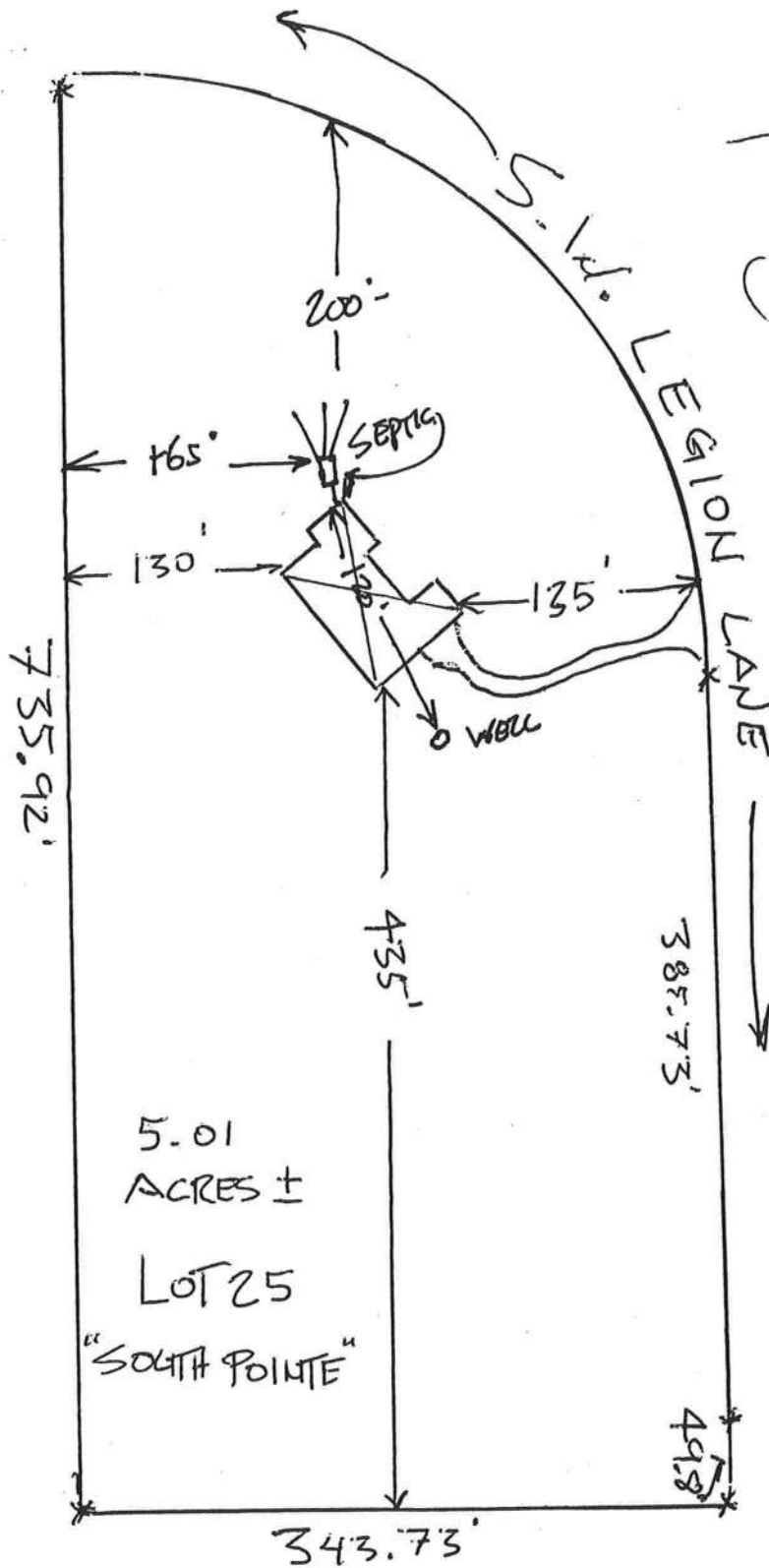
**ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALATION OF THE CULVERT.**

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

Amount Paid 25.00



Lemar & Leann Hires



Thompson Const
(384) 935-2118

Approved by:
Salhi Haddad,
ESI-COLUMBIA
8-5-04

APPROVED

ESTDS #
04-0822-N

Nancy L. Thompson Aug 4/04

AHN Ron



STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number

04-0822N

PART II - SITE PLAN

Scale: Each block represents 5 feet and 1 inch = 50 feet.

see
attached

Notes:

Site Plan submitted by:

Raymond Thomas

Signature

Agent

Title

Plan Approved

Not Approved

Date

8-04-04

By

see attached →

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name:	Hires Residence	Builder:	Gary Thompson
Address:	Lot: 25, Sub: Southpoint, Plat:	Permitting Office:	
City, State:	Lake City, FL 32024-	Permit Number:	22210
Owner:	Lamar & LeeAnn Hires	Jurisdiction Number:	221000
Climate Zone:	North		

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 54.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2980 ft ²	13. Heating systems	
7. Glass area & type		a. Electric Heat Pump	Cap: 54.0 kBtu/hr
a. Clear - single pane	0.0 ft ²		HSPF: 6.80
b. Clear - double pane	469.5 ft ²	b. N/A	
c. Tint/other SHGC - single pane	0.0 ft ²	c. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	14. Hot water systems	
8. Floor types		a. LP Gas	Cap: 40.0 gallons
a. Slab-On-Grade Edge Insulation	R=0.0, 323.0(p) ft		EF: 0.66
b. N/A		b. LP Gas	Cap: 40.0 gallons
c. N/A			EF: 0.66
9. Wall types		c. Conservation credits	
a. Frame, Wood, Exterior	R=13.0, 2852.0 ft ²	(HR-Heat recovery, Solar	
b. Frame, Wood, Adjacent	R=13.0, 216.0 ft ²	DHP-Dedicated heat pump)	
c. N/A		15. HVAC credits	
d. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
e. N/A		HF-Whole house fan,	
10. Ceiling types		PT-Programmable Thermostat,	
a. Under Attic	R=30.0, 2980.0 ft ²	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	
c. N/A			
11. Ducts			
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 168.0 ft		
b. N/A			

Glass/Floor Area: 0.16

Total as-built points: 38105

Total base points: 42400

PASS

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

PREPARED BY: [Signature]

DATE: 7-21-04

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

OWNER/AGENT: [Signature]

DATE: 8/10/04

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: _____

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Southpoint, Plat: , Lake City, FL, 32024-

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Southpoint, Plat: , Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank	EF	Number of	X	Tank	X	Multiplier X
Number of	X	Multiplier	=	Total	Volume	Bedrooms		Ratio		Credit = Total
Bedrooms										Multiplier
3		2746.00		8238.0	40.0	0.66	3	0.50	1973.45	1.00
					40.0	0.66	3	0.50	1973.45	1.00
					As-Built Total:					5920.4

CODE COMPLIANCE STATUS

BASE						AS-BUILT					
Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	= Total Points
17140		17023		8238	42400	16232		15952		5920	38105

PASS

Residential System Sizing Calculation

Summary

Lamar & LeeAnn Hires

Project Title:
Hires Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32024-

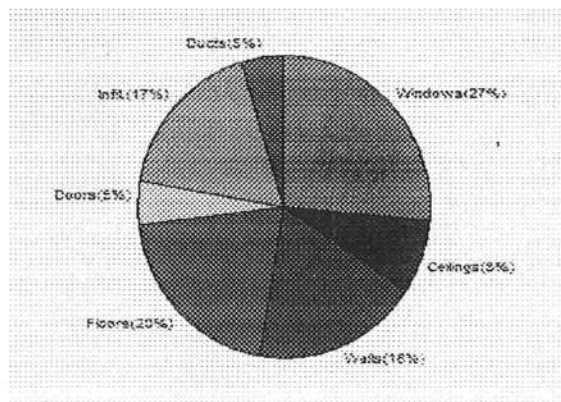
7/21/2004

Location for weather data: Gainesville - Defaults: Latitude(29) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(51gr.)			
Winter design temperature	31 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	39 F	Summer temperature difference	18 F
Total heating load calculation	49859 Btuh	Total cooling load calculation	48965 Btuh
Submitted heating capacity	54000 Btuh	Submitted cooling capacity	54000 Btuh
Submitted as % of calculated	108.3 %	Submitted as % of calculated	110.3 %

WINTER CALCULATIONS

Winter Heating Load (for 2980 sqft)

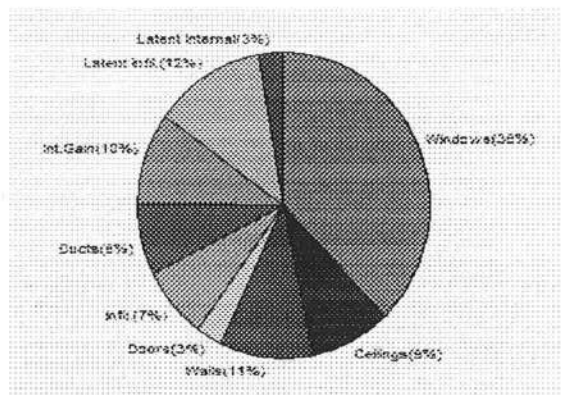
Load component		Load	
Window total	470 sqft	13287	Btuh
Wall total	3068 sqft	9187	Btuh
Door total	143 sqft	2391	Btuh
Ceiling total	2980 sqft	3874	Btuh
Floor total	323 ft	10207	Btuh
Infiltration	199 cfm	8540	Btuh
Subtotal		47485	Btuh
Duct loss		2374	Btuh
TOTAL HEAT LOSS		49859	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2980 sqft)

Load component		Load	
Window total	470 sqft	18673	Btuh
Wall total	3068 sqft	5187	Btuh
Door total	143 sqft	1427	Btuh
Ceiling total	2980 sqft	4232	Btuh
Floor total		0	Btuh
Infiltration	174 cfm	3449	Btuh
Internal gain		4800	Btuh
Subtotal(sensible)		37768	Btuh
Duct gain		3777	Btuh
Total sensible gain		41544	Btuh
Latent gain(infiltration)		6041	Btuh
Latent gain(internal)		1380	Btuh
Total latent gain		7421	Btuh
TOTAL HEAT GAIN		48965	Btuh



EnergyGauge® System Sizing based on ACCA Manual J.

PREPARED BY:

DATE: 7-21-04

System Sizing Calculations - Summer

Residential Load - Component Details

Lamar & LeeAnn Hires

Project Title:
Hires Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32024-

Reference City: Gainesville (Defaults)

Summer Temperature Difference: 18.0 F

7/21/2004

Window	Type	Ornt	Overhang		Window Area(sqft)			HTM		Load	
	Panes/SHGC/U/InSh/ExSh		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, Clear, DEF, N, N	N	1.5	7	24.0	0.0	24.0	22	22	528	Btuh
2	2, Clear, DEF, N, N	N	2.5	6	60.0	0.0	60.0	22	22	1320	Btuh
3	2, Clear, DEF, N, N	N	1.5	7	36.0	0.0	36.0	22	22	792	Btuh
4	2, Clear, DEF, N, N	N	1.5	4	36.0	0.0	36.0	22	22	792	Btuh
5	2, Clear, DEF, N, N	W	1.5	7	54.0	0.7	53.3	22	72	3851	Btuh
6	2, Clear, DEF, N, N	SW	1.5	6	15.0	4.6	10.4	22	62	747	Btuh
7	2, Clear, DEF, N, N	S	1.5	6	30.0	30.0	0.0	22	37	660	Btuh
8	2, Clear, DEF, N, N	SE	1.5	6	15.0	4.6	10.4	22	62	747	Btuh
9	2, Clear, DEF, N, N	S	9.5	8	40.0	20.0	20.0	22	37	1180	Btuh
10	2, Clear, DEF, N, N	SW	1.5	8	17.5	3.8	13.7	22	62	933	Btuh
11	2, Clear, DEF, N, N	S	0	0	52.5	0.0	52.5	22	37	1942	Btuh
12	2, Clear, DEF, N, N	SE	1.5	8	17.5	3.8	13.7	22	62	933	Btuh
13	2, Clear, DEF, N, N	S	1.5	7	18.0	18.0	0.0	22	37	396	Btuh
14	2, Clear, DEF, N, N	E	1.5	7	54.0	0.7	53.3	22	72	3851	Btuh
Window Total					470					18673 Btuh	
Walls	Type		R-Value		Area			HTM		Load	
1	Frame - Exterior		13.0		2852.0			1.7		4962 Btuh	
2	Frame - Adjacent		13.0		216.0			1.0		225 Btuh	
Wall Total					3068.0					5187 Btuh	
Doors	Type				Area			HTM		Load	
1	Wood - Exter				40.0			10.0		399 Btuh	
2	Wood - Exter				18.0			10.0		180 Btuh	
3	Wood - Exter				45.0			10.0		449 Btuh	
4	Wood - Exter				20.0			10.0		200 Btuh	
5	Wood - Adjac				20.0			10.0		200 Btuh	
Door Total					143.0					1427 Btuh	
Ceilings	Type/Color		R-Value		Area			HTM		Load	
1	Under Attic/Dark		30.0		2980.0			1.4		4232 Btuh	
Ceiling Total					2980.0					4232 Btuh	
Floors	Type		R-Value		Size			HTM		Load	
1	Slab-On-Grade Edge Insulation		0.0		323.0 ft(p)			0.0		0 Btuh	
Floor Total					323.0					0 Btuh	
Infiltration	Type		ACH		Volume			CFM=		Load	
	Natural		0.35		29800			174.2		3449 Btuh	
	Mechanical							0		0 Btuh	
Infiltration Total								174		3449 Btuh	
Internal gain			Occupants		Btuh/occupant			Appliance		Load	
			6		X 300 +			3000		4800 Btuh	

System Sizing Calculations - Winter

Residential Load - Component Details

Lamar & LeeAnn Hires

Project Title:
Hires Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32024-

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

7/21/2004

Window	Panes/SHGC/Frame/U	Orientation	Area X	HTM=	Load
1	2, Clear, Metal, DEF	N	24.0	28.3	679 Btuh
2	2, Clear, Metal, DEF	N	60.0	28.3	1698 Btuh
3	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
4	2, Clear, Metal, DEF	N	36.0	28.3	1019 Btuh
5	2, Clear, Metal, DEF	W	54.0	28.3	1528 Btuh
6	2, Clear, Metal, DEF	SW	15.0	28.3	424 Btuh
7	2, Clear, Metal, DEF	S	30.0	28.3	849 Btuh
8	2, Clear, Metal, DEF	SE	15.0	28.3	424 Btuh
9	2, Clear, Metal, DEF	S	40.0	28.3	1132 Btuh
10	2, Clear, Metal, DEF	SW	17.5	28.3	495 Btuh
11	2, Clear, Metal, DEF	S	52.5	28.3	1486 Btuh
12	2, Clear, Metal, DEF	SE	17.5	28.3	495 Btuh
13	2, Clear, Metal, DEF	S	18.0	28.3	509 Btuh
14	2, Clear, Metal, DEF	E	54.0	28.3	1528 Btuh
Window Total			470		13287 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Exterior	13.0	2852	3.1	8841 Btuh
2	Frame - Adjacent	13.0	216	1.6	346 Btuh
Wall Total			3068		9187 Btuh
Doors	Type		Area X	HTM=	Load
1	Wood - Exter		40	17.9	718 Btuh
2	Wood - Exter		18	17.9	323 Btuh
3	Wood - Exter		45	17.9	807 Btuh
4	Wood - Exter		20	17.9	359 Btuh
5	Wood - Adjac		20	9.2	184 Btuh
Door Total			143		2391 Btuh
Ceilings	Type	R-Value	Area X	HTM=	Load
1	Under Attic	30.0	2980	1.3	3874 Btuh
Ceiling Total			2980		3874 Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab-On-Grade Edge Insul	0	323.0 ft(p)	31.6	10207 Btuh
Floor Total			323		10207 Btuh
Infiltration	Type	ACH X	Building Volume	CFM=	Load
	Natural	0.40	29800(sqft)	199	8540 Btuh
	Mechanical			0	0 Btuh
Infiltration Total				199	8540 Btuh

Totals for Heating	Subtotal	47485 Btuh
	Duct Loss(using duct multiplier of 0.05)	2374 Btuh
	Total Duct Loss	49859 Btuh

EnergyPlus v3.2

Manual J Summer Calculations

Residential Load - Component Details (continued)

Lamar & LeeAnn Hires

Project Title:
Hires Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32024-

7/21/2004

Totals for Cooling	Subtotal	37768 Btuh
	Duct gain(using duct multiplier of 0.10)	3777 Btuh
	Total sensible gain	41544 Btuh
	Latent infiltration gain (for 51 gr. humidity difference)	6041 Btuh
	Latent occupant gain (6 people @ 230 Btuh per person)	1380 Btuh
	Latent other gain	0 Btuh
	TOTAL GAIN	48965 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds/Daperies(B) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(Ornt - compass orientation)

Manual J Winter Calculations

Residential Load - Component Details (continued)

Lamar & LeeAnn Hires

Project Title:
Hires Residence

Code Only
Professional Version
Climate: North

Lake City, FL 32024-

7/21/2004

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(Frame types - metal, wood or insulated metal)

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

(HTM - ManualJ Heat Transfer Multiplier)

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Southpoint, Plat: , Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT											
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area															
				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points							
.18	2980.0	20.04	10749.5	Double, Clear	W	1.5	7.0	24.0	36.99	0.94	833.5				
				Double, Clear	W	2.5	6.0	60.0	36.99	0.79	1747.0				
				Double, Clear	W	1.5	7.0	36.0	36.99	0.94	1250.2				
				Double, Clear	W	1.5	4.0	36.0	36.99	0.82	1088.6				
				Double, Clear	S	1.5	7.0	54.0	34.50	0.89	1666.4				
				Double, Clear	SE	1.5	6.0	15.0	40.86	0.88	541.4				
				Double, Clear	E	1.5	6.0	30.0	40.22	0.91	1101.4				
				Double, Clear	NE	1.5	6.0	15.0	28.72	0.92	396.6				
				Double, Clear	E	9.5	8.0	40.0	40.22	0.47	757.8				
				Double, Clear	SE	1.5	8.0	17.5	40.86	0.95	675.8				
				Double, Clear	E	0.0	0.0	52.5	40.22	1.00	2111.7				
				Double, Clear	NE	1.5	8.0	17.5	28.72	0.96	483.4				
				Double, Clear	E	1.5	7.0	18.0	40.22	0.94	679.4				
				Double, Clear	N	1.5	7.0	54.0	19.22	0.96	991.1				
				As-Built Total:								469.5		14324.2	
				WALL TYPES Area X BSPM = Points				Type R-Value Area X SPM = Points							
Adjacent	216.0	0.70	151.2	Frame, Wood, Exterior			13.0	2852.0	1.50		4278.0				
Exterior	2852.0	1.70	4848.4	Frame, Wood, Adjacent			13.0	216.0	0.60		129.6				
Base Total: 3068.0 4999.6				As-Built Total: 3068.0 4407.6											
DOOR TYPES Area X BSPM = Points				Type Area X SPM = Points											
Adjacent	20.0	2.40	48.0	Exterior Wood				40.0	6.10		244.0				
Exterior	123.0	6.10	750.3	Exterior Wood				18.0	6.10		109.8				
				Exterior Wood				45.0	6.10		274.5				
				Exterior Wood				20.0	6.10		122.0				
				Adjacent Wood				20.0	2.40		48.0				
Base Total: 143.0 798.3				As-Built Total: 143.0 798.3											
CEILING TYPES Area X BSPM = Points				Type R-Value Area X SPM X SCM = Points											
Under Attic	2980.0	1.73	5155.4	Under Attic			30.0	2980.0	1.73 X 1.00		5155.4				
Base Total: 2980.0 5155.4				As-Built Total: 2980.0 5155.4											

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: Lot: 25, Sub: Southpoint, Plat: , Lake City, FL, 32024-

PERMIT #:

BASE				AS-BUILT					
FLOOR TYPES Area X BWPM = Points				Type	R-Value	Area X	WPM	=	Points
Slab	323.0(p)	8.9	2874.7	Slab-On-Grade Edge Insulation	0.0	323.0(p)	18.80		6072.4
Raised	0.0	0.00	0.0						
Base Total:			2874.7	As-Built Total:			323.0		6072.4
INFILTRATION Area X BWPM = Points				Area X WPM = Points					
	2980.0	-0.59	-1758.2			2980.0	-0.59		-1758.2
Winter Base Points:			27132.1	Winter As-Built Points:					27371.0
Total Winter Points	X	System Multiplier	= Heating Points	Total Component	X Cap Ratio	X Duct Multiplier	X System Multiplier	X Credit Multiplier	= Heating Points
						(DM x DSM x AHU)			
27132.1		0.6274	17022.7	27371.0	1.000	(1.069 x 1.169 x 0.93)	0.501	1.000	15951.9
				27371.0	1.00	1.162	0.501	1.000	15951.9

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 83.4

The higher the score, the more efficient the home.

Lamar & LeeAnn Hires, Lot: 25, Sub: Southpoint, Plat: , Lake City, FL, 32024-

1. New construction or existing	New	12. Cooling systems	
2. Single family or multi-family	Single family	a. Central Unit	Cap: 54.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 10.00
4. Number of Bedrooms	3	b. N/A	
5. Is this a worst case?	Yes	c. N/A	
6. Conditioned floor area (ft ²)	2980 ft ²		
7. Glass area & type		13. Heating systems	
a. Clear - single pane	0.0 ft ²	a. Electric Heat Pump	Cap: 54.0 kBtu/hr
b. Clear - double pane	469.5 ft ²		HSPF: 6.80
c. Tint/other SHGC - single pane	0.0 ft ²	b. N/A	
d. Tint/other SHGC - double pane	0.0 ft ²	c. N/A	
8. Floor types		14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 323.0(p) ft	a. LP Gas	Cap: 40.0 gallons
b. N/A			EF: 0.66
c. N/A		b. LP Gas	Cap: 40.0 gallons
9. Wall types			EF: 0.66
a. Frame, Wood, Exterior	R=13.0, 2852.0 ft ²	c. Conservation credits	
b. Frame, Wood, Adjacent	R=13.0, 216.0 ft ²	(HR-Heat recovery, Solar	
c. N/A		DHP-Dedicated heat pump)	
d. N/A		15. HVAC credits	
e. N/A		(CF-Ceiling fan, CV-Cross ventilation,	
10. Ceiling types		HF-Whole house fan,	
a. Under Attic	R=30.0, 2980.0 ft ²	PT-Programmable Thermostat,	
b. N/A		RB-Attic radiant barrier,	
c. N/A		MZ-C-Multizone cooling,	
11. Ducts		MZ-H-Multizone heating)	
a. Sup: Unc. Ret: Unc. AH: Interior	Sup. R=6.0, 168.0 ft		
b. N/A			

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

Builder Signature: _____ Date: _____

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



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

EnergyGauge® (Version: FLRCPB v3.2)

STRUCTURAL TEST REPORT SUMMARY

Rendered to:

MI HOME PRODUCTS, INC.

SERIES/MODEL: 650

TYPE: Twin Aluminum Single Hung Window

Title of Test	Results
Overall Design Pressure	35.0 psf
Operating Force	18 lb max.
Air Infiltration	0.29 cfm/ft ²
Water Resistance	5.25 psf
Structural Test Pressure	70.5 psf

Reference should be made to Report No. 01-36060.02 for complete test specimen description and data.

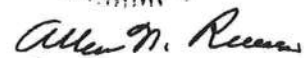
For ARCHITECTURAL TESTING, INC.



Scott D. Kramer, Technician

SDK:nlb/baw




28 MARCH 2002

Architectural Testing

STRUCTURAL TEST REPORT

Rendered to:

MI HOME PRODUCTS, INC.
650 West Market Street
P.O. Box 370
Gratz, Pennsylvania 17030-0370

Report No: 01-36060.02
Test Date: 11/04/99
Report Date: 03/26/02
Expiration Date: 11/04/03

Project Summary: Architectural Testing, Inc. (ATI) was contracted to perform tests on a Series/Model 650, twin aluminum single hung window at MI Home Products' test facility in Elizabethville, Pennsylvania. Test specimen description and results are reported herein.

Test Specification The test specimen was evaluated in accordance with the following:

ASTM E 283-91, Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

ASTM E 330-97, Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference

ASTM E 547-96, Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Cyclic Static Air Pressure Differential

Test Specimen Description:

Series/Model: 650

Type: Twin Aluminum Single Hung Window

Overall Size: 5' 10-1/4" wide by 5' 0" high

Active Size (2): 2' 8-3/4" wide by 2' 6-1/4" high

Fixed Daylight Opening Size (2): 2' 6- 1/4" wide by 2' 3" high

Screen Size (2): 2' 7-3/4" wide by 2' 4-1/4" high

130 Derry Court
York, PA 17402-9405
phone: 717.764.7700
fax: 717.764.4129
www.archtest.com



Test Specimen Description: (Continued)

Finish: All aluminum was painted white.

Glazing Details: Both the active sash and fixed lites utilized 5/8" thick insulating glass fabricated from two sheets of 3/32" thick clear annealed glass and a desiccant filled metal spacer system. The active sash were channel glazed with a flexible wedge gasket. The fixed lites were interior glazed, back bedded with single sided adhesive foam tape and held-in-place with PVC snap-in glazing beads.

Weatherstripping:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
0.270" backed by 0.190" high polypile with center fin	1 Row	Fixed meeting stile
3/8" high vinyl wrapped foam bulb	1 Row	Bottom rail
0.187" backed by 0.250" high polypile with center fin	2 Rows	Stiles
1/4" high polypile dust plug	2 Rows	Ends of bottom rail, top of each stile

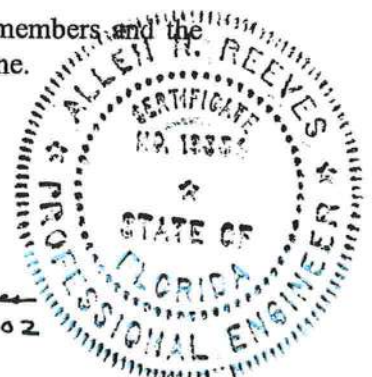
Frame Construction: Frame was constructed of extruded aluminum members and all corners were coped, butted, sealed, and fastened with two screws per corner. The fixed meeting rail was attached to the jambs with a plastic clip and two screws per end.

Mullion Construction: The mullion was constructed of an extruded aluminum member. It was fastened to the head and sill with four screws per end. All screw heads were sealed as well as the butt joint at the sill.

Sash Construction: The sash were constructed of extruded aluminum members and all corners were coped, butted, and fastened with one screw per corner.

Screen Construction: The screen was constructed of rolled aluminum members and the corners were keyed. The screen mesh was held-in-place with a flexible spline.

Allen H. Reeves
28 MARCH 2002



Test Specimen Description: (Continued)**Hardware:**

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Plastic tilt latches	4	Ends of interior meeting rail
Metal pivot bars	4	Ends of the bottom rails
Metal sweep lock	2	Midspan of interior meeting rail
Metal keeper	2	Midspan of fixed meeting rail
Sash stops	4	One per jamb
Block and tackle balance system	4	One per jamb
Spring loaded latch pins	2	6" from ends of screen top rail

Drainage:

<u>Description</u>	<u>Quantity</u>	<u>Location</u>
Sloped sill		Sill
1/4" wide by 3/16" high weepslot	4	Ends of exterior vertical sill leg

Installation: The test unit was installed into the 2" x 8" nominal Spruce-Pine-Fir #2 wood test buck utilizing the integral nailing fin and 1" roofing nails. Five per top, bottom, and sides of the nail fin were evenly spaced. The nail fin was bedded in a silicone sealant.



Allen N. Reeves
28 MARCH 2002

Test Results

The results are tabulated as follows:


<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
Air Infiltration per ASTM E 283-91		
@ 0.56 psf (15 mph)	0.15 cfm/ft ²	0.30 cfm/ft ²
@ 1.57 psf (25 mph)	0.29 cfm/ft ²	0.30 cfm/ft ²
Water Resistance per ASTM E 547-96 (with and without screen)		
WTP = 5.25 psf	No leakage	No leakage
Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (load held for 33 seconds)		
@ 47.0 psf (exterior)	0.010"	0.24" max.
@ 47.0 psf (interior)	0.015"	0.24" max.

Note: No end measurements were taken on the member measured. The measurements stated above include displacement as well as bending. Only permanent sets were recorded, not deflection measurements. This statement applies to all uniform load tests performed.

Uniform Load Structural per ASTM E 330-97 (Measurements reported were taken on the meeting rail) (load held for 10 seconds)		
@ 70.5 psf (exterior)	0.060"	0.24" max
@ 70.5 psf (interior)	0.040"	0.24" max

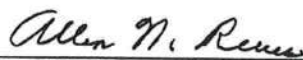
Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product which may only be granted by the certification program administrator.

For ARCHITECTURAL TESTING, INC:



Scott D. Kramer
Technician

SDK:nlb/baw
01-36060.02



Allen N. Reeves, P.E.
Director - Engineering Services

28 MARCH 2002



COLUMBIA COUNTY OFFICE 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 17-4S-16-03051-125

Building permit No. 000022210

Use Classification SFD, UTILITY

Fire: 28.35

Permit Holder THOMPSON CONSTRUCTION

Waste: 61.25

Owner of Building LAMAR & LEANN HIRES

Total: 89.60

Location: 1000 SW LEGION DRIVE(SOUTH POINTE, LOT 25)

Date: 04/13/2005

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



22210

KEEN ENGINEERING & SURVEYING, INC.
9263 COUNTY ROAD 417
LIVE OAK, FLORIDA 32060
386/362-4787

September 14, 2004

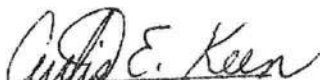
Columbia County Building Department
135 NE Hernando Avenue
Lake City, FL 32055

RE: LAMAR & LEE ANN HIRES RESIDENCE

I have inspected the Lamar & Lee Ann Hires foundation on Lot 25 of South Pointe Subdivision in Columbia County on September 13, 2004. The finish floor elevation of the living area of the home is approximately 16 inches above the highest adjacent grade in the front (paved road side) and approximately 32 inches above the highest adjacent grade in the back. The garage floor elevation will be 10-12 inches above adjacent grade.

THE FLOOR LEVEL OF THE RESIDENCE WILL NOT FLOOD.

If additional information is required, please advise.


Curtis E. Keen, PE #23836
EB #3761

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 11114

Address 536 SE BAYVIEW AVE

City L.C. Phone 752-1723

Site Location Subdivision Southpointe

Lot# 25 Block# Permit# 22210

Address 1000 Legion Drive

AREAS TREATED

Print Technician's
Name

Area Treated

Date

Time

Gal.

Name

Main Body

Patio/s #

Stoop/s #

Porch/s #

1

9-16-04

920

20

Gunny F254

Brick Veneer

Extension Walls

A/C Pad

Walk/s #

Exterior of Foundation

Driveway Apron

Out Building

Tub Trap/s

EMERGE

9-16-04

0920

60

Gunny F254

(Other)

Name of Product Applied DURSBAUTO

105 %

Remarks

Exterior not finished

Notice of Treatment

Applicator Florida Pest Control & Chemical Co. 11114

Address _____

City Lake City

Phone 752-1703

Site Location **Subdivision** Southpointe

Lot# 25 **Block#** _____ **Permit#** 22210

Address 1000 Legion Drive L.C.

AREAS TREATED

Print Technician's
Name

Area Treated

Date

Time

Gal.

Main Body

09/13/04

1300

443

Gunny 1254

Patio/s #

Stoop/s #

Porch/s #

Brick Veneer

Extension Walls

A/C Pad

Walk/s #

Exterior of Foundation

Driveway Apron

Out Building

Tub Trap/s

(Other)

Name of Product Applied Dursban TC 25%

Remarks exterior not finished