Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only Application # 0603-10 Date Received 3/3/06 By ____ Permit # 1098/24589

Application Approved by - Zoning Official ____ Date ____ Plans Examiner ____ Date ____

Flood Zone ____ Development Permit ____ Zoning ____ Land Use Plan Map Category ____

Comments ____

Applicants Name Thomas Eagle - Susan Holton Phone 623-6612

Address 114 NW Egret Lane Lake City, FL 32055

Owners Name Gateway Development of Lake City Phone 961-1086

911 Address 536 SW Heathridge Dr Lake City, FL 32055

Contractors Name James Mack Lipscomb Phone 623-9141

Address 255 SE Woods Terrace Lake City, FL 32025

Fee Simple Owner Name & Address ____

Bonding Co. Name & Address ____

Architect/Engineer Name & Address GTC Design Group 130 W Howard St Live Oak, FL 32064

Mortgage Lenders Name & Address Cash

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

Property ID Number 33-35-16 02438-143 Estimated Cost of Construction $137,000

Subdivision Name Emerald Cove Lot 43 Block ____ Unit ____ Phase 1

Driving Directions 90 W Left on SW Heathridge Dr. Property on the corner of Heathridge + Woodleaf

Type of Construction BRICK OVER FRAME Number of Existing Dwellings on Property 1

Total Acreage .5 Lot Size .5 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 34.8' Side 59.8' Side 11.6' Rear ____

Total Building Height 20' Number of Stories 1 Heated Floor Area 2200 Roof Pitch 8/12

Total 2967

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 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.

Owner Builder or Agent (Including Contractor)

James Mack Lipscomb

Contractor Signature

Contractors License Number CB CA15529

Competency Card Number ____

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 1 day of June 2006.

Personally known X or Produced Identification ____

Susan L. Holton

Notary Signature

Commission #DD431203 Expires: MAY 19, 2009 www.AaronNotary.com

Columbia County Building Permit Application

CK# 3235 Revised 9-23-04

For Office Use Only Application # 0603-10 Date Received 3/3/06 By JW Permit # ____

Application Approved by - Zoning Official BLK Date 3.03.06 Plans Examiner OK JTH Date 3-15-06

Flood Zone X Per PLAT Development Permit N/A Zoning RSF-2 Land Use Plan Map Category Res. Low Dens.

Comments ~~[illegible]~~ ~~[illegible]~~

Applicants Name Thomas Eagle - Susan Holton 623.6612 FAX 755-7851 623-3617 Phone (386)961-1086

Address 114 N.W Egret Lane Lake City, FL 32055

Owners Name Gateway Developers of Lake City, LLC Phone (386)961-1086

911 Address 536 SW Heathridge Dr. L.C. Fl 32055

Contractors Name Dave Mangrum Phone (386)752-4716

Address 1034 Mayhall Terrace Lake City, FL 32025

Fee Simple Owner Name & Address –

Bonding Co. Name & Address ____

Architect/Engineer Name & Address GTC Design Group 130 West Howard St. Live Oak, FL 32064

Mortgage Lenders Name & Address CASH

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

Property ID Number 33-3S-16-02438-143 Estimated Cost of Construction $132,000

Subdivision Name Emerald Cove Lot 43 Block ____ Unit ____ Phase 1

Driving Directions 90 W left on SW Heath Ridge Dr. Property on the corner of Heath Ridge Dr. & Woodleaf Ct.

Type of Construction Brick over frame Number of Existing Dwellings on Property 1

Total Acreage .5 Lot Size .5 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive

Actual Distance of Structure from Property Lines - Front 34.8' Side 54.8' Side 116' Rear 86.4'

Total Building Height 20' Number of Stories 1 Heated Floor Area 2,200 S.F. Roof Pitch 8/12

Porches 325 Garage 442 Total 2967

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Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number RB29003100

Competency Card Number ____

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 28 day of Feb. 2006

Personally known X or Produced Identification ____

Susan L. Holton
Commission #DD431203
Expires: MAY 19, 2009

Notary Signature

Columbia County Property Appraiser

DB Last Updated: 9/16/2005

2005 Proposed Values

Parcel: 33-3S-16-02438-143

Tax Record | Property Card | Interactive GIS Map | Print

Search Result: 1 of 1

Owner & Property Info

Owner's Name	GATEWAY DEVELOPERS OF LAKE
Site Address	HEATHRIDGE
Mailing Address	CITY LLC 2806 W US HWY 90 SUITE 101 LAKE CITY, FL 32055
Brief Legal	LOT 43 EMERALD COVE S/D PHS 1. WD 1058-841.

Use Desc. (code)	VACANT (000000)
Neighborhood	33316.00
Tax District	3
UD Codes	MKTA01
Market Area	01
Total Land Area	0.520 ACRES

Property & Assessment Values

Mkt Land Value	cnt: (1)	$32,500.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$32,500.00

Just Value	$32,500.00
Class Value	$0.00
Assessed Value	$32,500.00
Exempt Value	$0.00
Total Taxable Value	$32,500.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
9/7/2005	1058/841	WD	V	Q		$194,300.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

Land Breakdown

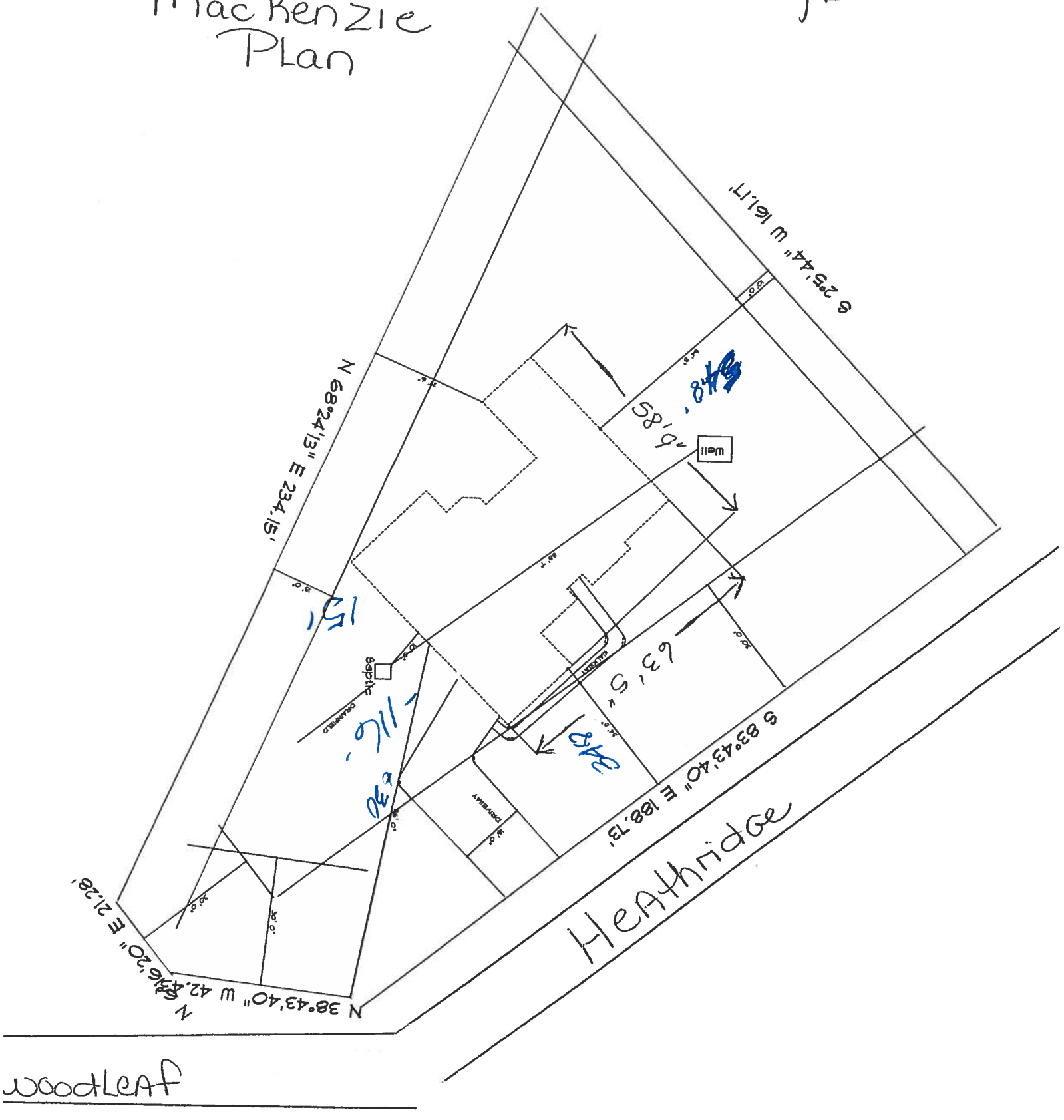
Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	1.000 LT - (.520AC)	1.00/1.00/1.00/1.00	$32,500.00	$32,500.00

Columbia County Property Appraiser — DB Last Updated: 9/16/2005

1 of 1

Disclaimer

Lot 43 Emerald Cove S/D
MacKenzie
Plan



HALL'S PUMP & WELL SERVICE, INC.

SPECIALIZING IN 4"-6" WELLS

DONALD AND MARY HALL
OWNERS

PHONE (904) 752-1854
FAX (904) 755-7022
LAKE CITY, FLORIDA 32055
904 NW Main Blvd.

June 12, 2002

NOTICE TO ALL CONTRACTORS

Please be advised that due to the new building codes we will use a large capacity diaphram tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphram tank is used then we will install a cycle stop valve which will produce the same results.

If you have any questions please feel free to call our office anytime.

Thank you,

Donald D. Hall
DDH/jk

FOR #0603-10
Building + Zoning

FORM 600A-2004 EnergyGauge® 4.0

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

Residential Whole Building Performance Method A

Project Name:	**MacKenzie Residece**	Builder:	Lipscomb
Address:	**Lot: Sub: Plat:**	Permitting Office:	Columbia
City, State:	**Lake City, FL**	Permit Number:	24589
Owner:	**Gateway Developement, LLC**	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: 36.0 kBtu/hr
3. Number of units, if multi-family	1		SEER: 12.00
4. Number of Bedrooms	4	b. N/A	
5. Is this a worst case?	Yes		
6. Conditioned floor area (ft²)	2200 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) 131.3 ft²	a. Electric Heat Pump	Cap: 36.0 kBtu/hr
b. SHGC:			HSPF: 7.00
(or Clear or Tint DEFAULT)	7b. (Clear) 131.3 ft²	b. N/A	
8. Floor types			
a. Slab-On-Grade Edge Insulation	R=0.0, 253.0(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, 1870.0 ft²		EF: 0.97
b. N/A		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, 2422.0 ft²	15. HVAC credits	PT,
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, 153.0 ft	MZ-C-Multizone cooling,	
b. N/A		MZ-H-Multizone heating)	

Glass/Floor Area: 0.11 Total as-built points: 29844 Total base points: 33981 **PASS**

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

PREPARED BY: Lance Gill

DATE: 1/17/06

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

OWNER/AGENT: _____

DATE: _____

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.

BUILDING OFFICIAL: _____

DATE: _____

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

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, 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	2200.0	20.04	7935.8	Double, Clear	S	1.5	4.5	27.0	35.87	0.78	751.5	
				Double, Clear	S	7.0	6.3	20.0	35.87	0.51	362.6	
				Double, Clear	S	12.0	6.3	15.0	35.87	0.45	244.2	
				Double, Clear	S	8.0	6.7	47.3	35.87	0.49	835.1	
				Double, Clear	E	1.5	6.3	15.0	42.06	0.92	581.8	
				Double, Clear	E	1.5	4.5	9.0	42.06	0.85	321.0	
				Double, Clear	N	1.5	6.3	50.0	19.20	0.94	906.9	
				Double, Clear	N	1.5	6.3	20.0	19.20	0.94	362.8	
				Double, Clear	W	1.5	6.3	45.0	38.52	0.92	1599.7	
				As-Built Total:				**248.3**			**5965.7**	
WALL TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior			13.0	1870.0	1.50		2805.0	
Exterior	1870.0	1.70	3179.0									
Base Total:	**1870.0**		**3179.0**	**As-Built Total:**				**1870.0**			**2805.0**	
DOOR TYPES	Area X	BSPM =	Points	Type				Area X	SPM =		Points	
Adjacent	21.0	2.40	50.4	Exterior Wood				21.0	6.10		128.1	
Exterior	36.8	6.10	224.2	Exterior Wood				15.8	6.10		96.1	
				Adjacent Wood				21.0	2.40		50.4	
Base Total:	**57.8**		**274.6**	**As-Built Total:**				**57.8**			**274.6**	
CEILING TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM X SCM =		Points	
Under Attic	2200.0	1.73	3806.0	Under Attic			30.0	2422.0	1.73 X 1.00		4190.1	
Base Total:	**2200.0**		**3806.0**	**As-Built Total:**				**2422.0**			**4190.1**	
FLOOR TYPES	Area X	BSPM =	Points	Type			R-Value	Area X	SPM =		Points	
Slab	253.0(p)	-37.0	-9361.0	Slab-On-Grade Edge Insulation			0.0	253.0(p	-41.20		-10423.6	
Raised	0.0	0.00	0.0									
Base Total:			**-9361.0**	**As-Built Total:**				**253.0**			**-10423.6**	
INFILTRATION	Area X	BSPM =	Points					Area X	SPM =		Points	
	2200.0	10.21	22462.0					2200.0	10.21		22462.0	

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Summer Base Points: 28296.4			**Summer As-Built Points:**					**25273.7**
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 36000 btuh ,SEER/EFF(12.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0(INS)					
			25274	1.00	(1.09 x 1.147 x 0.91)	0.284	0.950	7769.2
28296.4	**0.4266**	**12071.3**	**25273.7**	**1.00**	**1.138**	**0.284**	**0.950**	**7769.2**

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, 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	2200.0	12.74	5045.0	Double, Clear	S	1.5	4.5	27.0	13.30	1.26	451.8
				Double, Clear	S	7.0	6.3	20.0	13.30	2.90	772.1
				Double, Clear	S	12.0	6.3	15.0	13.30	3.48	694.8
				Double, Clear	S	8.0	6.7	47.3	13.30	3.05	1915.5
				Double, Clear	E	1.5	6.3	15.0	18.79	1.03	291.0
				Double, Clear	E	1.5	4.5	9.0	18.79	1.06	179.4
				Double, Clear	N	1.5	6.3	50.0	24.58	1.00	1231.4
				Double, Clear	N	1.5	6.3	20.0	24.58	1.00	492.6
				Double, Clear	W	1.5	6.3	45.0	20.73	1.02	952.2
				As-Built Total:				**248.3**			**6980.8**

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	1870.0	3.40	6358.0
Exterior	1870.0	3.70	6919.0					
Base Total:	**1870.0**		**6919.0**	**As-Built Total:**		**1870.0**		**6358.0**

DOOR TYPES	Area X	BWPM	= Points	Type	Area X	WPM	= Points
Adjacent	21.0	11.50	241.5	Exterior Wood	21.0	12.30	258.3
Exterior	36.8	12.30	452.0	Exterior Wood	15.8	12.30	193.7
				Adjacent Wood	21.0	11.50	241.5
Base Total:	**57.8**		**693.5**	**As-Built Total:**	**57.8**		**693.5**

CEILING TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM X	WCM =	Points
Under Attic	2200.0	2.05	4510.0	Under Attic	30.0	2422.0	2.05 X	1.00	4965.1
Base Total:	**2200.0**		**4510.0**	**As-Built Total:**		**2422.0**			**4965.1**

FLOOR TYPES	Area X	BWPM	= Points	Type	R-Value	Area X	WPM	= Points
Slab	253.0(p)	8.9	2251.7	Slab-On-Grade Edge Insulation	0.0	253.0(p	18.80	4756.4
Raised	0.0	0.00	0.0					
Base Total:			**2251.7**	**As-Built Total:**		**253.0**		**4756.4**

INFILTRATION	Area X	BWPM	= Points	Area X	WPM	= Points
	2200.0	-0.59	-1298.0	2200.0	-0.59	-1298.0

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

BASE			AS-BUILT					
Winter Base Points:		**18121.3**	**Winter As-Built Points:**					**22455.8**
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 36000 btuh ,EFF(7.0) Ducts:Unc(S),Unc(R),Int(AH),R6.0					
18121.3	**0.6274**	**11369.3**	22455.8 **22455.8**	1.000 **1.00**	(1.069 x 1.169 x 0.93) **1.162**	0.487 **0.487**	0.950 **0.950**	12077.7 **12077.7**

WATER HEATING & CODE COMPLIANCE STATUS

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, 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	0.97	4	1.00	2499.18	1.00	9996.7	
				As-Built Total:						**9996.7**	

CODE COMPLIANCE STATUS

BASE				AS-BUILT			
Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points	Cooling Points	+ Heating Points	+ Hot Water Points	= Total Points
12071	**11369**	**10540**	**33981**	**7769**	**12078**	**9997**	**29844**

PASS

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: **Lot: 14, Sub: Arbor Greene, Plat: , Lake City, FL,** PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

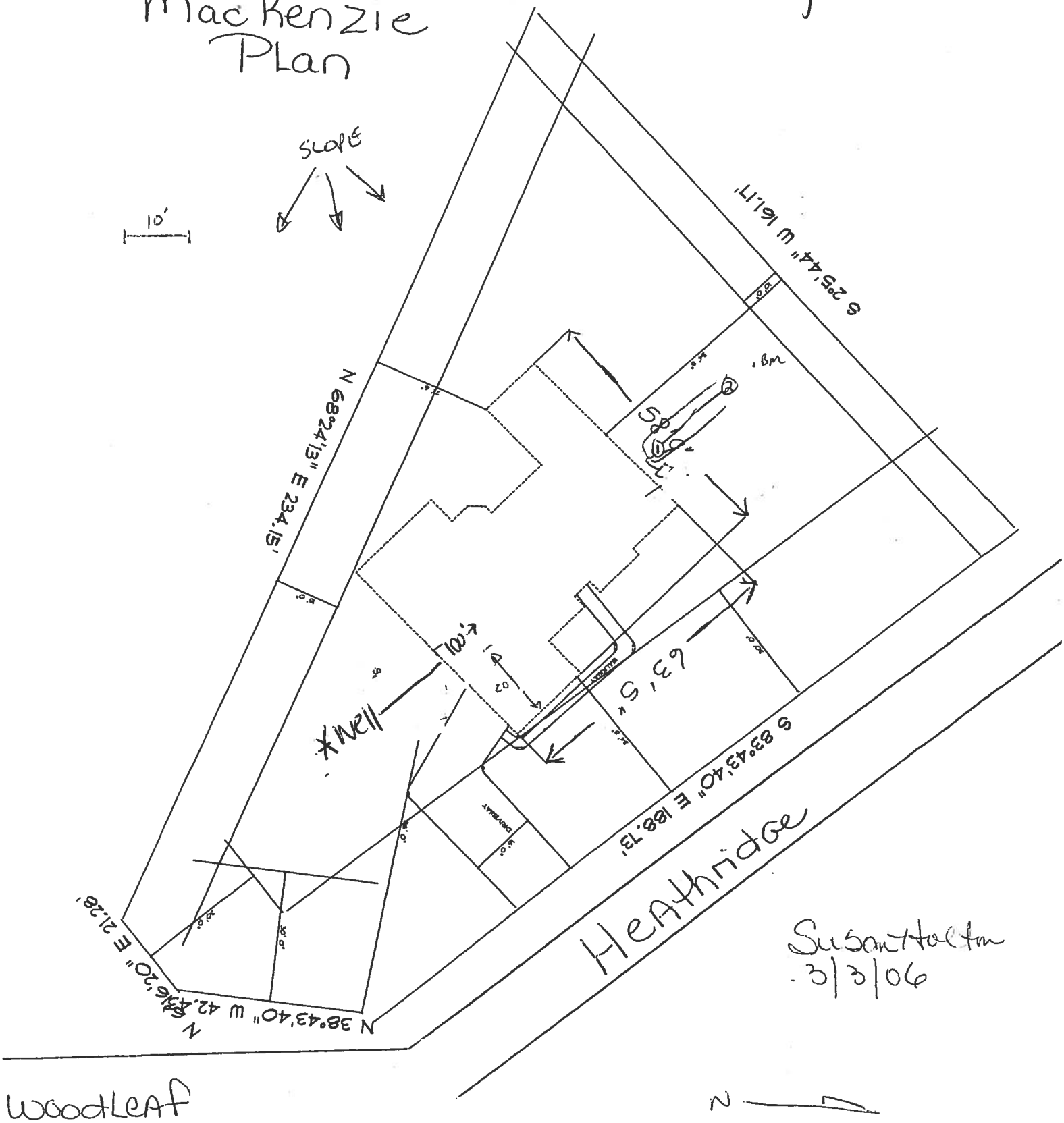
COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall 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 cir 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.	

Lot 43 Emerald Cove S/D # 06-0218

MacKenzie Plan



Susan Holtom
3/3/06

APPROVED

Columbia County Building Department
Culvert Permit

Culvert Permit No.
000001098

DATE 06/02/2006 PARCEL ID # 33-3S-16-02438-143

APPLICANT SUSAN HOLTON PHONE 623-6612

ADDRESS 114 NW EGRET LANE LAKE CITY FL 32055

OWNER GATEWAY DEVELOPMENT OF LAKE CITY PHONE 961-1086

ADDRESS 114 NW EGRET LANE LAKE CITY FL 32055

CONTRACTOR JAMES MACK LIPSCOMB PHONE 623-9141

LOCATION OF PROPERTY 90W, TL ON HEATHRIDGE CR, PROPERTY LOCATED ON CORNER OF HEATHRIDGE AND WOODLEAF

SUBDIVISION/LOT/BLOCK/PHASE/UNIT EMERALD COVE 43

SIGNATURE X Susan Holton

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

June 2, 2006

To: Building & Zoning
Environmental Health

From: James Mack Lipscomb

I authorize Susan Holton to sign for me.

Thank You,

James mack Lipscomb

James Mack Lipscomb

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

1. Description of property:
   Lot 43 Emerald Cove

2. General description of improvement: Construction of Dwelling

3. Owner information:
   a. Name and address: Gateway Developers of Lake City, FL 32025
      872 SW Jaguar Drive
      Lake City, FL 32025

   b. Interest in property: Fee Simple

   c. Name and address of fee simple title holder (if other than Owner): None

4. Contractor: James Mack Lipscomb

Inst:2006013343 Date:06/02/2006 Time:15:23
J.2. DC,P.DeWitt Cason,Columbia County B:1085 P:1

5. Surety n/a
   a. Name and address:
   b. Amount of bond:

6. Lender: Cash

7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes: None

8. In addition to himself, Owner designates _____ to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified)

_____
Signature of Owner

The foregoing instrument was acknowledged before me this 1 day of June, 2006 by THOMAS EAGLE who are personally known to me and who did not take an oath.

_____
Notary Public

Susan L. Holton
Commission #DD431203
Expires: MAY 19, 2009
www.AaronNotary.com

My commission expires: _____

geosciences
ENGINEERING A BETTER WORLD™

24589

2 May 2006

Mr. Mack Lipscomb
Lipscomb and Eagle
872 SW Jaguar Drive
Lake City, Florida 32025

Subject: Lot 43, Emerald Cove Subdivision
ASC Project No. 06G1015
ASC Document No. 060039G

Dear Mr. Lipscomb:

ASC geosciences, inc has performed two (2) hand augers at the above mentioned location. Unsuitable clays are present within the footprint of the building.

ASC geosciences, inc recommends that the footings be over excavated 2ft and 57 stone be placed in the footings. Also, from natural ground a 4" layer of 57 stone or limerock be placed within the slab area and compacted prior to fill being placed and compacted.

If you have any questions, or concerns, please do not hesitate in calling me.

Sincerely,

ASC geosciences, inc

Tommy Bradshaw
Tommy Bradshaw
Vice President

J Curry
Jackie Curry
Senior Lab Analyst

■ address:
ASC geosciences, inc.
366 SW Knox Street, Suite 103
Lake City, Florida 32025

■ contacts:
phone: 386.755.1414
fax: 386.755.8882

www.ascworld.net

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
ggill@gtcdesigngroup.com

September 25, 2006

24589

Joe Haltiwanger
135 NE Hernando Avenue
P. O. Box 1529
Lake City, Florida 32056-1529

SUBJECT: Stemwall – Emerald Cove Lot #43

Joe,

In reference to the abovementioned project, portions of the building's foundation wall will be approximately 8 ft (or 8 coursed) above grade. The unbalanced backfill will exceed 48".

To accommodate for the usually high foundation wall, the #5 vertical reinforcing bars are spaced at 24 inches on centers in lieu of 48 inches.

The remaining portion of the wall is does not exceed a height of 48" and will not require any additional reinforcing.

The contractor shall brace or support the foundation wall until the permanent lateral support at the top of the wall is in placed.

If you have any questions or require additional information, please contact me at your convenience.

Thank you,

9/25/06

Gary Gill, P.E. #51942
Project Manager

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is mandatory and is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when soil treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Operator and builder, unless stated otherwise. 24589

Section 1: General Information (Treating Company Information)

Company Name: Aspen Pest Control, Inc.
Company Address: 301 NW Cole Terrace City Lake City State FL Zip 32055
Company Business License No. JB109476 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Zipstrom & Eagle Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Emerald Isles Lot 93
Falls Ct. FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other
Approximate Depth of Footing: Outside 12 Inside 24 Type of Fill Gravel

Section 4: Treatment Information

Date(s) of Treatment(s) 10-24-06
Brand Name of Product(s) Used Talak
EPA Registration No. 279-1
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 2436 Linear ft. 320 Linear ft. of Masonry Voids 320
Approximate Total Gallons of Solution Applied 964
Was treatment completed on exterior? ☐ Yes ☒ No
Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List)
Comments Treated dwelling only

Name of Applicator(s) Steve Brannon Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All treatment materials and methods used comply with state and federal regulations.

Authorized Signature Date 10-24-06

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

GTC DESIGN GROUP

GTC Design Group, LLC
P.O. Box 187
Live Oak, FL 32064
(Phone) 386.362.3678
(Fax) 386.362.6133
ggill@gtcdesigngroup.com

24589
Lot 43

November 30, 2007

Brian Kepner, County Planner
Columbia County Building and Zoning
135 NE Hernando Ave.
Lake City, FL 32055

SUBJECT: Lot 44 & 43 Emerald Cove

Brian,

Per our meeting November 21, 2007, it was noted that the county requires reassurance from the developer/contractor that the homes built on Lot 44 and Lot 43 will not be subject to flooding or severe soil erosion during a storm event.

The developer / contractor have made the following improvements to the lots,

1. Roof gutters and downspouts were added to the structures to re-direct runoff from the roofs. The downspouts are connected to an underground pipe to convey the runoff.
2. On lot 43, a small swale was constructed between the building and the retaining wall to convey runoff water away from the site.
3. Lot 44 and 43 are back to back. The topography of the lots included a small hill along the adjacent property line. Approximately 6 to 7 ft of soil was excavated from the hill top.
4. Each lot has been sodded and landscaped.

If you have any questions or require additional information, please contact me at your convenience.

Thank you,

11/30/07

Gary Gill, P.E. #51942
Project Manager

24589

26 October 2006

Mr. Mack Lipscomb
Lipscomb and Eagle
872 SW Jaguar Drive
Lake City, Florida 32025

Subject: Lot 43, Emerald Cove Subdivision
ASC Project No. 06G1015
ASC Document No. 060092G

Dear Mr. Lipscomb:

ASC geosciences, inc verifies that Lot # 43 was inspected and confirmed that 4" of 57 stone was placed on slab prior to concrete placmenet.

If you have any questions, or concerns, please do not hesitate in calling me.

Sincerely,

ASC geosciences, inc

Tommy Bradshaw
Vice President

Jackie Curry
Senior Lab Analyst

■ **address:**
ASC geosciences, inc.
386 SW Knox Street, Suite 103
Lake City, Florida 32025

■ **contacts:**
phone: 386.755.1414
fax: 386.755.8882

www.ascworld.net

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 33-3S-16-02438-143

Building permit No. 000024589

Use Classification SFD,UTILITY

Fire: 57.78

Permit Holder JAMES MACK LIPSCOMB

Waste: 150.75

Owner of Building GATEWAY DEVELOPMENT OF LAKE CITY

Total: 208.53

Location: 536 SW HEATHRIDGE DR, LAKE CITY, FL

Date: 01/16/2008

Harry Dicks

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

#0603-10

Mr. Mack Lipscomb
Lipscomb and Eagle
872 SW Jaguar Drive
Lake City, Florida 32025

2 May 2006

Subject: Lot 43, Emerald Cove Subdivision
ASC Project No. 06G1015
ASC Document No. 060039G

Dear Mr. Lipscomb:

ASC geosciences, inc has performed two (2) hand augers at the above mentioned location. Unsuitable clays are present within the footprint of the building.

ASC geosciences, inc recommends that the footings be over excavated 2ft and 57 stone be placed in the footings. Also, from natural ground a 4" layer of 57 stone or limerock be placed within the slab area and compacted prior to fill being placed and compacted.

If you have any questions, or concerns, please do not hesitate in calling me.

Sincerely,

ASC geosciences, inc

Tommy Bradshaw
Vice President

Jackie Curry
Senior Lab Analyst

■ address:
ASC geosciences, inc.
366 SW Knox Street, Suite 103
Lake City, Florida 32025

■ contacts:
phone: 386.755.1414
fax: 386.755.8882

www.ascworld.net

GTC DESIGN GROUP

PROJECT NAME: GATEWAY DEVELOPEMT
PROJECT NUMBER: PF05-033

WIND LOAD AND STRUCTURAL CALCULATIONS FOR

GATEWAY DEVELOPMENT, LLC
"MacKenzie" MODEL HOME
LOT 43

INDEX

GARY GILL, PE
GTC DESIGN GROUP, LLC
P.O. BOX 187
LIVE OAK, FL 32064
386-362-3678
386-362-6133 (FAX)
AUTH. # 9461

1/17/06

Project name: MacKenzie Windload Analysis
Project: PF05-034
Client Gateway Dev
Calculations: Gary Gill, PE
Date: 4/7/2005

Design Basis

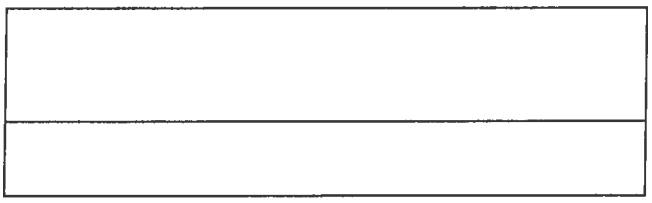
Design Loads

Wind Load	110
Floor Live Load	
Sleep Areas =	30 psf
All Others =	40 psf
Floor Dead Load	10 psf
Wall Dead Load	10 psf
Roof Live Load	20 psf
Roof Dead Load	10 psf

Load Combinations

DL + LL(floor) + LL (roof)
DL + LL(floor) +WL
DL + WL
Wind load

Exposure B



Building Information

Shape	Rectangle
Length	46.17 ft
Width	56.4 ft
Type	1 storey sog

References

2001 Florida Building Code
ASCE 7-98 Minimum Design Loads for Buildings and Other Structures
AITC Timber Construction Manual

WIND98 v3-02

Wind Load Design per ASCE 7-98

Description: MacKinsey - Arbor Green
Analysis by: Gary Gill

User Input Data		
Structure Type	Building	
Basic Wind Speed (V)	110	mph
Structural Category	II	
Exposure	B	
Struc Nat Frequency (n1)	1	Hz
Slope of Roof (Theta)	33.69	Deg
Type of Roof	Gabled	
Kd (Directonality Factor)	0.85	
Eave Height (Eht)	11.00	ft
Ridge Height (RHt)	26.25	ft
Mean Roof Height (Ht)	22.00	ft
Width Perp. To Wind Dir (B)	63.46	ft
Width Paral. To Wind Dir (L)	42.40	ft
Damping Ratio (beta)	0.02	

Red values should be changed only through "Main Menu"

Calculated Parameters		
Importance Factor	1	
Hurricane Prone Region (V>100 mph)		
Table C6-4 Values		
Alpha =	7.000	
zg =	1200.000	
At =	0.143	
Bt =	0.840	
Am =	0.250	
Bm =	0.450	
Cc =	0.300	
l =	320.00	ft
Epsilon =	0.333	
Zmin =	30.00	ft

Calculated Parameters		
Type of Structure		
Height/Least Horizontal Dim	0.52	
Flexible Structure	No	

Gust Factor Category I: Rigid Structures - Simplified Method			
Gust1	For rigid structures (Nat Freq > 1 Hz) use 0.85	0.85	
Gust Factor Category II: Rigid Structures - Complete Analysis			
Zm	Zmin	30.00	ft
Izm	Cc * (33/z)^0.167	0.3048	
Lzm	l*(zm/33)^Epsilon	309.99	ft
Q	(1/(1+0.63*((Min(B,L)+Ht)/Lzm)^0.63))^0.5	0.9002	
Gust2	0.925*((1+1.7*Izm*3.4*Q)/(1+1.7*3.4*Izm))	0.8661	
Gust Factor Summary			
G	Since this is not a flexible structure the lessor of Gust1 or Gust2 are used	0.85	

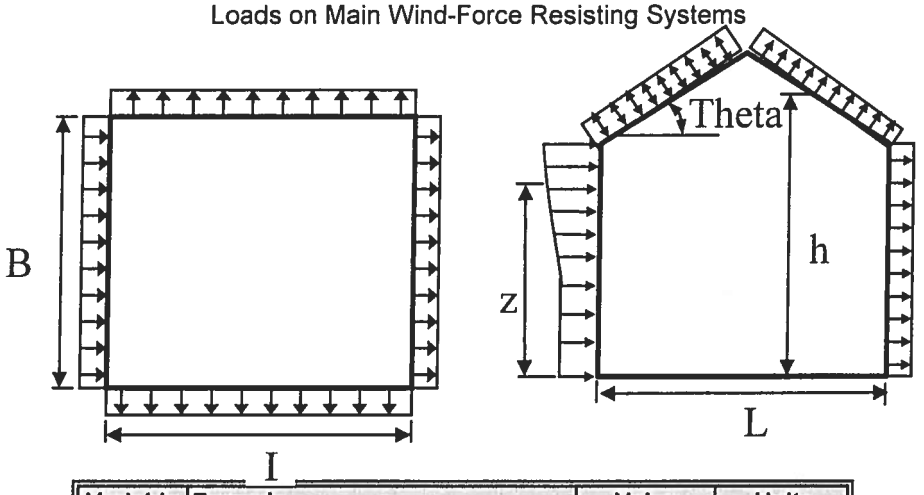
 www.mecaconsulting.com

WIND98 v3-02

Wind Load Design per ASCE 7-98

Figure 6-3 - External Pressure Coefficients, Cp

Loads on Main Wind-Force Resisting Systems



Variable	Formula	Value	Units
Kh	2.01*(Ht/zg)^(2/Alpha)	0.64	
Kht	Topographic factor (Fig 6-2)	1.00	
Qh	.00256*(V)^2*I*Kh*Kht*Kd	16.88	psf
Khcc	Comp & Clad: Table 6-5 Case 2	0.70	
Qhcc	.00256*V^2*I*Khcc*Kht*Kd	18.45	psf

Wall Pressure Coefficients, Cp	
Surface	**Cp**
Windward Wall (See Figure 6.5.12.2.1 for Pressures)	0.8

Roof Pressure Coefficients, Cp	
Roof Area (sq. ft.)	-
Reduction Factor	1.00

Calculations for Wind Normal to 63.46 ft Face *Additional Runs may be req'd for other wind directions*	**Cp**	**Pressure (psf)** **+GCpi**	 **-GCpi**
Leeward Walls (Wind Dir Normal to 63.46 ft wall)	-0.50	-10.21	-4.14
Side Walls	-0.70	-13.08	-7.01
Roof - Wind Normal to Ridge (Theta>=10) - for Wind Normal to 63.46 ft face			
Windward - Max Negative	-0.20	-5.92	0.15
Windward - Max Positive	0.27	0.85	6.93
Leeward Normal to Ridge	-0.60	-11.65	-5.57
Overhang Top (Windward)	-0.20	-2.88	-2.88
Overhang Top (Leeward)	-0.60	-8.61	-8.61
Overhang Bottom (Applicable on Windward only)	0.80	10.29	10.29
Roof - Wind Parallel to Ridge (All Theta) - for Wind Normal to 63.46 ft face			
Dist from Windward Edge: 0 ft to 11 ft	-0.92	-16.17	-10.09
Dist from Windward Edge: 11 ft to 22 ft	-0.89	-15.85	-9.77

* Horizontal distance from windward edge

WIND98 v3-02

Wind Load Design per ASCE 7-98

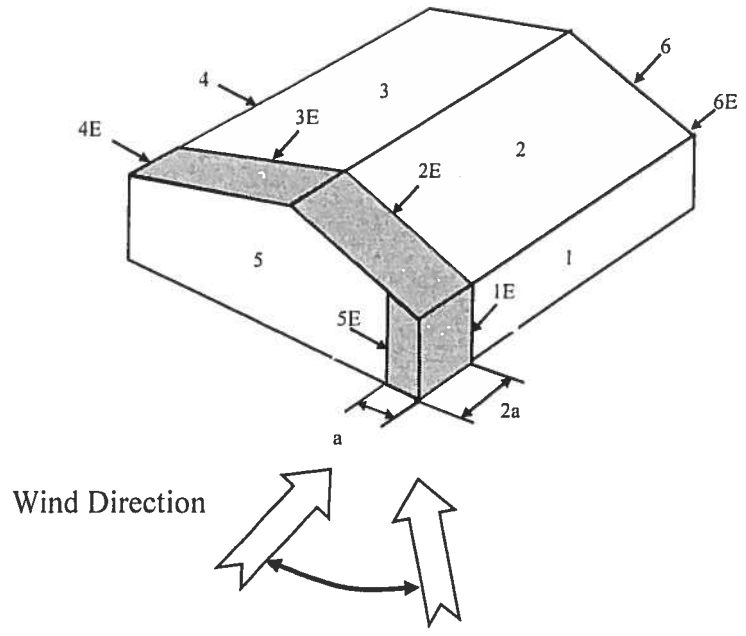
Figure 6-4 - External Pressure Coefficients, GCpf

Loads on Main Wind-Force Resisting Systems w/ Ht <= 60 ft

Kh =	2.01*(Ht/zg)^(2/Alpha)	=	0.64
Kht =	Topographic factor (Fig 6-2)	=	1.00
Qh =	0.00256*(V)^2*ImpFac*Kh*Kht*Kd	=	16.88

Case B						
Surface	GCpf	+GCpi	-GCpi	qh (psf)	Min P (psf)	Max P (psf)
1	-0.45	0.18	-0.18	16.88	-10.64	-4.56
2	-0.69	0.18	-0.18	16.88	-14.69	-8.61
3	-0.37	0.18	-0.18	16.88	-9.29	-3.21
4	-0.45	0.18	-0.18	16.88	-10.64	-4.56
5	0.40	0.18	-0.18	16.88	3.71	9.79
6	-0.29	0.18	-0.18	16.88	-7.93	-1.86
1E	-0.48	0.18	-0.18	16.88	-11.14	-5.06
2E	-1.07	0.18	-0.18	16.88	-21.10	-15.02
3E	-0.53	0.18	-0.18	16.88	-11.99	-5.91
4E	-0.48	0.18	-0.18	16.88	-11.14	-5.06
5E	0.61	0.18	-0.18	16.88	7.26	13.34
6E	-0.43	0.18	-0.18	16.88	-10.30	-4.22

* p = qh * (GCpf - GCpi)



Shearwall Design - N/S Direction

Rigid Diaphragm Analysis

Wind load acting on building

General Data

Roof Pitch (x:12)	8	Roof Dia	14.42
Vertical Roof height	14.00	Length of Building	63
2nd Floor height	0	Width of Building	31.6
1st Floor height	8		

Wind Pressure per ASCE 7- Normal to surface Case A

Windward Roof - Surface 2	6.58	psf	Wall - Leeward	12.49 psf
Leeward Roof - Surface 3	-4.22	psf	Wall - Surface 4	-3.21 psf
			Total Wall	15.7 psf

Horizontal loads from wind perpendicular to ridge (N / S)

Roof Pressure (interior)

Windward Roof Horz.(psf)	3.65
Leeward Roof Horz.(psf)	-2.34
Total	5.99
Tributary area (roof)	661.50
Roof shear values	**3962.89**

Wall Pressure - 2nd Floor

Sum. of wind. & lee. (psf)	15.7
Tributary area to each Shearwall (sf)	0.00
Wall shear values to each shearwall	**0.00**

1st Floor shearwall (ft)

Number of shearwall segments in each column	1	1	
Full wall length	32.625	46.17	
Shearwall #1 length	26.33	37.2	
Shearwall #2 length	0	0	
Wall height ratio (h/b)	0.30	0.22	
Rigidities of shearwalls	10.64	15.26	
Lateral load on shearwall column (lbs) based on rigidity	**3675.80**	**5271.84**	
Percent Full-Height Sheathing Shearwall #1	80.70%	80.57%	
Shear capacity adjustment	0.9	0.9	
Shearwall rating (plf) w/ 1.4 increase for wind	483	483	
Design Shear Capacity	**11445.65**	**16170.84**	
Stress Ratio	0.32	0.33	
uplift at shear ends	**1861.40**	**1889.55**	
shear and uplift between holddown, v and u	**155.12**	**157.46**	

Anchor Bolt Shear Capacity plf			
Bolt size / spacing	24"	36"	48"
1/2" dia	422.5	281.67	211.25
5/8" dia	660	440.00	330
3/4" dia	930	620.00	465

Shearwall Design - E/W Direction

Rigid Diaphragm Analysis

Wind load acting on building

General Data

Roof Pitch (x:12)	8	Roof Dia	14.42
Vertical Roof height	14.00	Length of Building	63
2nd Floor height	0	Width of Building	31.6
1st Floor height	8		

Wind Pressure per ASCE 7- Normal to surface Case B

Windward Wall - Surface 5	9.79	psf
Leeward Wall - Surface 6	-1.86	psf
Total Wall	11.65	

Horizontal loads from parallel to ridge (E/W)

Number of Shearwall columns = 2

Roof Pressure (interior)	
Windward Roof Horz.(psf)	9.79
Leeward Roof Horz.(psf)	-1.86
Total	11.65
Tributary area (roof) to each shearwall (sf)	322.00
Roof shear values to each shearwall	**3751.30**

1st Floor shearwall (ft)

Number of shearwall segments in each column	1	1
Shearwall #1 length	17.5	14
Shearwall #2 length	11.75	0
Wall height ratio (h/b)	0.46	0.57
Rigidities of shearwalls	6.82	5.26
Lateral load on shearwall column (lbs) based on rigidity	**4050.50**	**3125.90**
Percent Full-Height Sheathing Shearwall #1	0.58	0.74
Shear capacity adjustment	0.75	0.85
Shearwall rating (plf) w/ 1.4 increase for wind	483	483
Design Shear Capacity	**6339.38**	**5747.70**
Stress Ratio	0.64	0.54
uplift at shear ends	**3703.32**	**3152.16**
shear and uplift between holddown, v and u	**184.64**	**262.68**

Anchor Bolt Shear Capacity plf			
Bolt size / spacing	24"	36"	48"
1/2" dia	422.5	281.67	211.25
5/8" dia	660	440.00	330
3/4" dia	930	620.00	465