DATE 07/22/2005

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT 000023409

APPLICANT DAVID SIMQUE PHONE 755-7787

ADDRESS 1890 SW MIDTOWN PLACE LAKE CITY FL 32025

OWNER WESTFIELD GROUP PHONE 755-0757

ADDRESS 2929 HIGHWAY 90 WEST LAKE CITY FL 32025

CONTRACTOR DAVID SIMQUE PHONE 755-0757

LOCATION OF PROPERTY HIGHWAY 90 WEST, BETWEEN APPLEBEES AND WAFFLE HOUSE

BUILDING #2

TYPE DEVELOPMENT COMMERCIAL STORE ESTIMATED COST OF CONSTRUCTION .00

HEATED FLOOR AREA 8960.00 TOTAL AREA 10033.00 HEIGHT .00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 2/12 FLOOR SLAB

LAND USE & ZONING CG MAX. HEIGHT 27

Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 5.00

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

PARCEL ID 35-3S-16-02585-006 SUBDIVISION VILLAGE SQUARE

LOT BLOCK PHASE 2 UNIT TOTAL ACRES

Culvert Permit No.	Culvert Waiver	CBC056158 Contractor's License Number	Applicant/Owner/Contractor
FDOT Driveway Connection	X05-0095 Septic Tank Number	BK LU & Zoning checked by	Approved for Issuance
			N New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 1395

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power date/app. by

Foundation date/app. by

Monolithic (footer/Slab) date/app. by

Under slab rough-in plumbing date/app. by

Slab date/app. by

Sheathing/Nailing date/app. by

Framing date/app. by

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

Electrical rough-in date/app. by

Heat & Air Duct date/app. by

Peri. beam (Lintel) date/app. by

Permanent power date/app. by

C.O. Final date/app. by

Culvert date/app. by

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

Pool date/app. by

Reconnection date/app. by

Pump pole date/app. by

Utility Pole date/app. by

M/H Pole date/app. by

Travel Trailer date/app. by

Re-roof date/app. by

BUILDING PERMIT FEE $ 3000.00 CERTIFICATION FEE $ 50.16 SURCHARGE FEE $ 50.16

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

FLOOD ZONE DEVELOPMENT FEE $ CULVERT FEE $ **TOTAL FEE** 3150.32

INSPECTORS OFFICE 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 INCONVIENCE, 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.

Columbia County Building Permit Application

CK# 1389

Revised 9-23-04

For Office Use Only Application # 0504-06 Date Received 4/4/05 By JW Permit # 23409

Application Approved by - Zoning Official BLK Date 11.05.05 Plans Examiner _____ Date _____

Flood Zone X Development Permit N/A Zoning CG Land Use Plan Map Category COMMERCIAL

Comments SDP 04-6

Applicants Name David Simque - Simque Const. Phone 386-867-755-7787

Address 1890 S.W. Midtown Pl. Lake City, Fl. 32025

Owners Name Westfield Group Phone 386-755-0557

911 Address 2929 Hwy 90 Lake City, Fl. 32025

Contractors Name David J. Simque Phone 386-755-7787

Address P.O. Box 2962 Lake City Fl. 32056

Fee Simple Owner Name & Address Westfield Group

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Bailey Bishop & Lane P.O. Box 3719

Mortgage Lenders Name & Address Mercantile Bank

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

Property ID Number 35-3S-16-02585-006 Estimated Cost of Construction $600,000.00

Subdivision Name Village Square (#2) Lot ____ Block ____ Unit ____ Phase 2

Driving Directions Hwy 90 West of I-75 between Warehouse and Applebees

Type of Construction Retail Center Number of Existing Dwellings on Property 0

Total Acreage 10 Lot Size _____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive FDOT

Actual Distance of Structure from Property Lines - Front 400' Side 300' Side 200' Rear 60'

Total Building Height 27 Number of Stories 1 Heated Floor Area 9000± Roof Pitch 4/12

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 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)

Contractor Signature

Contractors License Number CBC056158

Competency Card Number _____

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

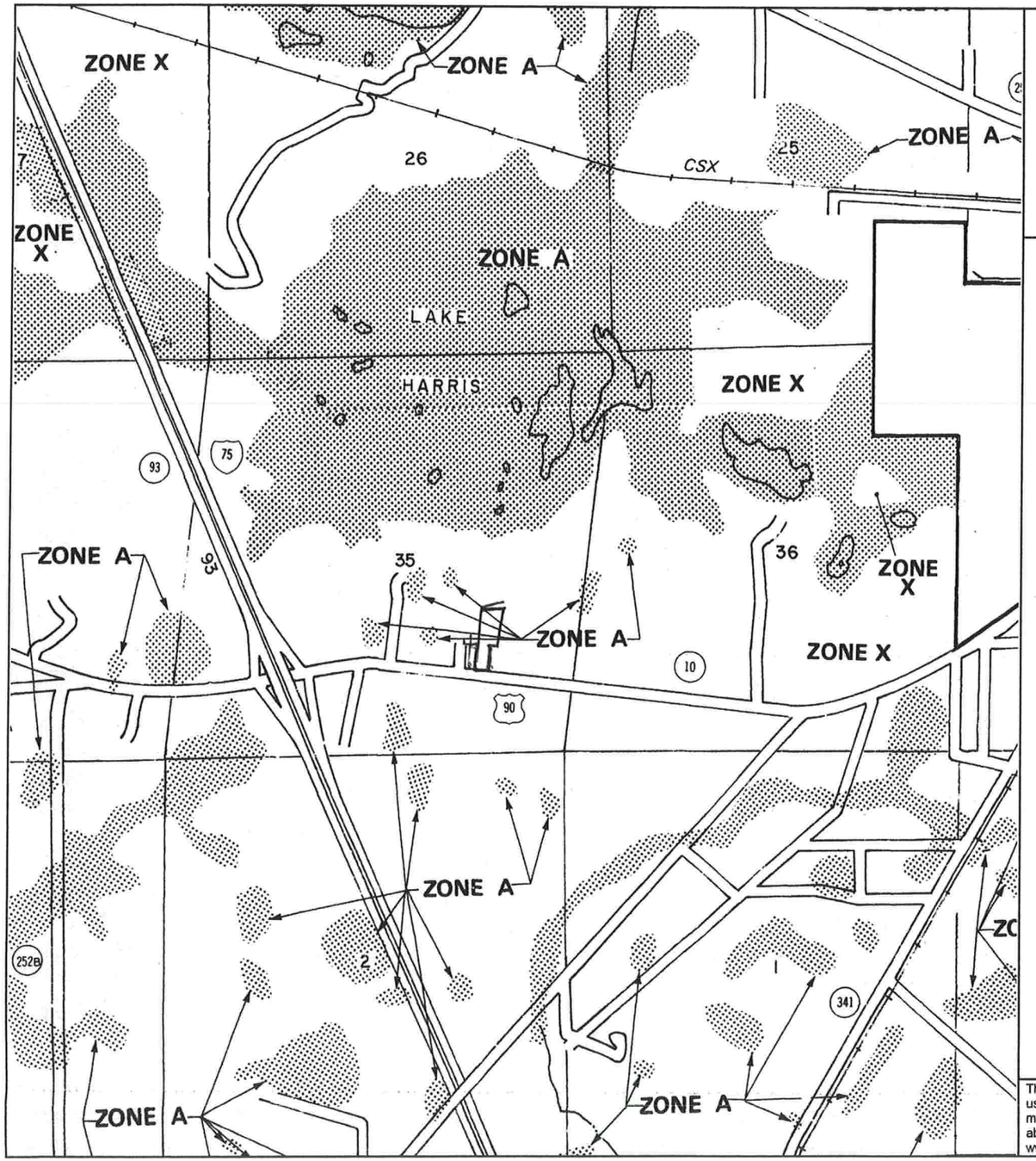
CRISTA THOMAS
MY COMMISSION # DD092740
EXPIRES Feb. 14, 2006
Bonded Thru Notary Public Underwriters

Sworn to (or affirmed) and subscribed before me this 31 day of March 2005.

Personally known X or Produced Identification ____

Notary Signature

SWP04-6



N

APPROXIMATE SCALE IN FEET

2000 0 2000

NATIONAL FLOOD INSURANCE PROGRAM

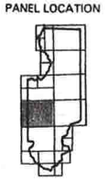
FIRM

FLOOD INSURANCE RATE MAP

COLUMBIA COUNTY, FLORIDA
(UNINCORPORATED AREAS)

PANEL 175 OF 290

PANEL LOCATION



COMMUNITY-PANEL NUMBER
120070 0175 B

EFFECTIVE DATE:
JANUARY 6, 1988

Federal Emergency Management Agency

Print Date: 7/9/2004 (printed at scale and type A)

Cert. Copy 4.50

THIS INSTRUMENT WAS PREPARED BY:

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

RETURN TO:

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

Inst:2004028144 Date:12/17/2004 Time:16:39
DC,P.DeWitt Cason,Columbia County B:1033 P:1502

PERMIT NO._____ **TAX FOLIO NOS.:** 35-3S-16-02585-006

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 this Notice of Commencement.

1. Description of property:

SEE SCHEDULE "A" ATTACHED HERETO
FOR LEGAL DESCRIPTION

2. General description of improvement: Construction of a retail shopping center.

3. Owner information:

a. Name and address: WESTFIELD GROUP, LLLP a Florida Limited Liability Limited Partnership, Post Office Box 3566, Lake City, Florida 32056.

b. Interest in property: Fee Simple

c. Name and address of fee simple title holder (if other than Owner):

4. Contractor: SIMQUE CONSTRUCTION, Post Office Box 2962, Lake City, Florida 32056.

5. Surety

a. Name and address: None

6. Lender: MERCANTILE BANK, 187 SW Baya Drive, Lake City, Florida 32025.

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 ROBERT W. TURBEVILLE, Sr. Vice President of MERCANTILE BANK, 187 SW Baya Drive, Lake City, Florida 32025, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.

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 Marie Keen
Deputy Clerk
Date Dec 17, 2004

CLERK CIRCUIT COURT
COLUMBIA COUNTY, FLORIDA

9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified). December 17, 2005.

WESTFIELD GROUP, LLLP, a Florida Limited Liability Limited Partnership

By: _____
Charles S. Sparks
General Partner

By: _____
Scott D. Stewart
General Partner

Inst:2004028144 Date:12/17/2004 Time:16:39
DC,P.DeWitt Cason,Columbia County B:1033 P:1503

The foregoing instrument was acknowledged before me this 17th day of December 2004, by CHARLES S. SPARKS and SCOTT D. STEWART, General Partners of WESTFIELD GROUP, LLLP, a Florida Limited Liability Limited Partnership, on behalf of the partnership. They are personally known to me and did not take an oath.

_____
Notary Public
My commission expires:

TERRY MCDAVID
MY COMMISSION EXPIRES
January 16, 2006
#DD 079305
Bonded thru
Notary Public Underwriters
NOTARY PUBLIC, STATE OF FLORIDA

EXHIBIT "A"

TOWNSHIP 3 SOUTH - RANGE 16 EAST

SECTION 35: Part of the SE 1/4, Section 35, Township 3 South, Range 16 East, Columbia County, Florida, being more particularly described as follows:

COMMENCE at the intersection of the East Line of Brookside, a subdivision as recorded in Plat Book 3 at Page 45 of the public records of Columbia County, Florida and the Northerly Right of Way of U.S. Highway 90 (State Road No. 10) and run thence S 84°51'35"E along said Northerly Right of Way, 275.03 feet to the POINT OF BEGINNING; thence N 03°02'38"E 464.44 feet; thence S 84°52'31"E, 342.21 feet; thence S 03°38'27"E 69.55 feet; thence N 84°47'26"W 156.62 feet; thence S 03°35'56"E, 400.33 feet to aforesaid Northerly Right of Way; thence N 84°51'35"W, along said Northerly Right of Way 240.04 feet to the POINT OF BEGINNING. COLUMBIA COUNTY, FLORIDA.

Inst:2004028144 Date:12/17/2004 Time:16:39
_____DC,P.DeWitt Cason,Columbia County B:1033 P:1504

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
LABORATORIES

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

June 23, 2005

Simque Construction
P. O. Box 2962
Lake City, Florida 32056

Attention: David Simque

Reference: Village Square, Building No. 2
U. S. 90
Lake City, Florida
Cal-Tech Project No. 05-291

Dear Mr. Simque,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for building No. 2 at Village Square on U. S. 90 in Lake City, Florida. Our work was planned in conjunction with and authorized by you.

Introduction

We understand you will construct a single story, masonry building with lateral dimensions of approximately 50 feet by 150 feet. Support for the structure is to be provided by conventional, shallow spread footings. Anticipated foundation loads were not provided; however, we assume column and wall loads will not exceed 30 kips and 2.5 kips per foot, respectively. The proposed building site appears to have been striped and filled to grade.

The purposes of our investigation were to determine the general subsurface conditions in the proposed building area, and to present recommendations for design and construction as appropriate.

Site Investigation

The subsurface conditions were investigated by performing three (3) Standard Penetration Test borings advanced to depths of 10 feet. The borings were performed at the approximate locations indicated on the attached Location Plan. These locations were selected by Cal-Tech Testing, Inc.

The Standard Penetration Test (ASTM D-1586) is performed by driving a standard split-barrel sampler into the soil by blows of a 140-pound hammer falling 30 inches. The number of blows required to drive the sampler 1 foot, after seating 6

inches, is designated the penetration resistance, or N-value; this value is an index to soil density or consistency.

Findings

The soil borings encountered generally medium dense, tannish gray, brownish gray, grayish tan or dark gray sand (SP) for the full depth of the borings. Some roots were encountered at a depth of about 6 feet at boring location B-2. The N-values for this layer range from 9 to 36 blows per foot.

Groundwater was encountered at depths of 4.1 to 5.9 feet at the time of our investigation (6/20/05), and we estimate the wet season water table will occur at a depth of about 4 feet.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Logs. Note specifically the transition between soil layers may be gradual and not abrupt as indicated by the logs; therefore, the thickness of soil layers should be considered approximate.

Discussion and Recommendations

From the results of our investigation, it is our opinion the structure can be supported by the proposed shallow spread footings, and we recommend these footings be sized to exert a maximum soil bearing pressure of 3,000 pounds per square foot. Further, we recommend the foundations have minimum widths of 18 and 24 inches for strip and isolated footings, respectively, even though the allowable soil bearing pressure may not be developed. We recommend the bottoms of foundations be embedded at least 16 inches below the lowest adjacent grade (finished surface grade, for example).

It appears very thorough compaction was performed for the fill materials; therefore, only normal, good practice site preparation procedures should be required to complete the construction.

We recommend bearing soils be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 1-foot below bearing grade. Fill soils, as required, should consist of relatively clean, fine sand containing less that 10% passing the No. 200 sieve. Fill should be placed in maximum 12-inch, loose lifts, and each lift should be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density.

Field density testing should be performed in the compacted subgrade, in each lift of fill, and in foundation excavations to verify the recommended compaction has been achieved.

Our recommendations are based upon our findings as described in this report; however, subsurface conditions may exist that were not encountered in the soil test

borings. Cal-Tech Testing, Inc. should be notified if different soil conditions are encountered during construction. It may be necessary to reevaluate this site and revise our recommendations.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be or further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / C. E. O.

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 6/23/05
52612

B-1

Water Table: 5.9 ft.

Depth (ft)	N-value	Soil Description
0	15	Medium Dense, Tannish Grey Sand (SP)
	25	
5	23	
	27	Medium Dense, Dark Tannish Grey Sand (SP)
	29	Medium Dense, Tannish Grey Sand (SP)
10	36	Dense, Brownish Grey Sand (SP)

B-2

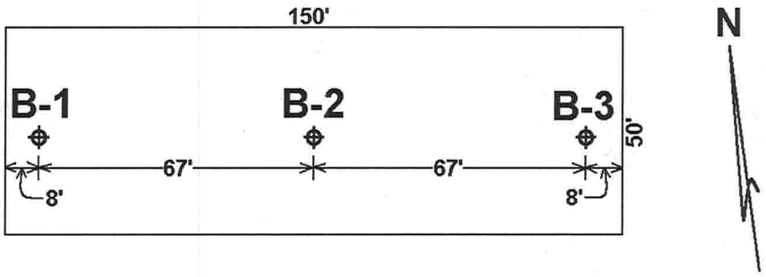
Water Table: 4.1 ft.

Depth (ft)	N-value	Soil Description
0		Tannish Grey Sand, Trace Clay (SP)
	11	Medium Dense, Light Tannish Grey Sand (SP)
	15	Medium Dense, Tannish Grey Sand (SP)
5	11	Medium Dense, Light Tannish Grey Sand (SP)
	20	Medium Dense, Tannish Grey Sand with Roots (SP/Pt)
	19	Medium Dense, Tannish Grey Sand (SP)
10	22	Medium Dense, Light Tannish Grey Sand (SP)

B-3

Water Table: 4.6 ft.

Depth (ft)	N-value	Soil Description
0		Tannish Grey Sand, Trace Clay (SP)
	11	Medium Dense, Greyish Tan Sand, Trace Clay (SP)
	17	Medium Dense, Light Tannish Grey Sand (SP)
5	9	Loose, Dark Grey Sand with Clay, Trace Organics (SP/SC)
	17	Medium Dense, Tannish Grey Sand (SP)
	15	
10	18	Medium Dense, Dark Brownish Grey Sand (SP)



Boring Logs and Location Plan: Village Square Building No. 2

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2 -A	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY FL 32055	Building Permit No.: 23409
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15	223	Under Attic	.03	1250	Slab-on-grade	—	1250	Wood			Single, wall		
Wood frame			Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.87	375
Metal frame	.13	1343	Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value	30	1250	Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER	EFFICIENCY		TONS	HEATING SYSTEM	EFFICIENCY		BTU/H	HOT WATER	
TYPE				TYPE				TYPE	
Unitary & Heat Pump				Central & Heat Pump				Electric	
<65,000 Btu/h	10 SEER		3	<65,000 Btu/h	6.8 HSPF		37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP		___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP		___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP		___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP		___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)				HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE		___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E_t		___		

LIGHTING Total Lighting Wattage 1760 / Total Conditioned Floor Area 1250 = 1.4 Watts/sq.ft.

SIZING CALCULATION Attached ☐

DUCTS R-value 6.0 Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	406.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	406.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	406.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	408.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 408.1	Minimum efficiencies – Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-6.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1:	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+27/V_T. Gas >75,000, Oil >105,000: E_t .76, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 60 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq.ft. ☐	Convenience stores <5,000 sq.ft. ☐	Office buildings <5,000 sq.ft. ☐
Skyboxes/sports stadiums ☐	Restaurants <5,000 sq.ft. ☐	School buildings <5,000 sq.ft. ☐
Traffic safety control towers ☐	Retail stores <5,000 sq.ft. ☑	Storage buildings <5,000 sq.ft. ☐

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

PREPARED BY: [signature] DATE: 2/11/05

I hereby certify that this building is in compliance with the Florida Energy Code

OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: ___

DATE: ___

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2-B	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY 32055	Building Permit No.:
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15	2220	Under Attic	.03	1232	Slab-on-grade	0	1232	Wood			Single, wall		
Wood frame	.13	1340	Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.67	167
Metal frame			Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value			Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER				HEATING SYSTEM			HOT WATER	
TYPE	EFFICIENCY		TONS	TYPE	EFFICIENCY	BTU/H	TYPE	
Unitary & Heat Pump				Central & Heat Pump			Electric	
<65,000 Btu/h	10 SEER		3	<65,000 Btu/h	6.8 HSPF	37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP	___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP	___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP	___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP	___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)			HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE	___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E$_t$	___		

LIGHTING — Total Lighting Wattage / Total Conditioned Floor Area = 1760 / 1232 = 1.4 Watts/sq.ft.

SIZING CALCULATION Attached ☐

DUCTS R-value 6 Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	408.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	408.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	408.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	409.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 409.1	Minimum efficiencies – Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-6.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1.	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+27/V_T. Gas >75,000, Oil >105,000: E_t .78, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 80 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq.ft. ☐	Convenience stores <5,000 sq.ft. ☐	Office buildings <5,000 sq.ft. ☐
Skyboxes/sports stadiums ☐	Restaurants <5,000 sq.ft. ☐	School buildings <5,000 sq.ft. ☐
Traffic safety control towers ☐	Retail stores <5,000 sq.ft. ☑	Storage buildings <5,000 sq.ft. ☐

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.
PREPARED BY: [signature] DATE: 2/11/05
I hereby certify that this building is in compliance with the Florida Energy Code
OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.
BUILDING OFFICIAL: ___
DATE: ___

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2 - C	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY 32055	Building Permit No.:
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15	237	Under Attic	.03	1325	Slab-on-grade	0	1325	Wood			Single, wall		
Wood frame	.13	1367	Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.87	167
Metal frame			Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value	30		Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER TYPE	EFFICIENCY		TONS	HEATING SYSTEM TYPE	EFFICIENCY	BTUH	HOT WATER TYPE	
Unitary & Heat Pump				Central & Heat Pump			Electric	
<65,000 Btu/h	10.0 SEER		3	<65,000 Btu/h	6.8 HSPF	37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP	___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP	___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP	___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP	___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)			HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE	___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E_t	___		

LIGHTING Total Lighting Wattage / Total Conditioned Floor Area = 1760 / 1325 = 1.3 Watts/sq.ft.

SIZING CALCULATION Attached ☐

DUCTS R-value 6 Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	406.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	406.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	406.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	409.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 408.1	Minimum efficiencies – Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-8.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1.	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+27/V_T. Gas >75,000, Oil >105,000: E_t .78, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 60 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq.ft.	☐	Convenience stores <5,000 sq.ft.	☐	Office buildings <5,000 sq.ft.	☐
Skyboxes/sports stadiums	☐	Restaurants <5,000 sq.ft.	☐	School buildings <5,000 sq.ft.	☐
Traffic safety control towers	☐	Retail stores <5,000 sq.ft.	☑	Storage buildings <5,000 sq.ft.	☐

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code
PREPARED BY: [signature] DATE: 2/11/05
I hereby certify that this building is in compliance with the Florida Energy Code
OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.
BUILDING OFFICIAL: ___
DATE: ___

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2-D	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY 32055	Building Permit No.:
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15	240	Under Attic	.03	1344	Slab-on-grade	0	1344	Wood			Single, wall		
Wood frame	.13	1360	Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.87	167
Metal frame			Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value	30		Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER				HEATING SYSTEM			HOT WATER	
TYPE	EFFICIENCY		TONS	TYPE	EFFICIENCY	BTUH	TYPE	
Unitary & Heat Pump				Central & Heat Pump			Electric	
<65,000 Btu/h	16.0 SEER		3	<65,000 Btu/h	6.8 HSPF	37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP	___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP	___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP	___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP	___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)			HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE	___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E_t	___		

LIGHTING — Total Lighting Wattage / Total Conditioned Floor Area = 1760 / 1344 = 1.3 Watts/sq.ft.

SIZING CALCULATION Attached ☐

DUCTS R-value 6 Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	408.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	408.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	408.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	408.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 408.1	Minimum efficiencies – Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-6.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1.	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+27/V_T. Gas >75,000, Oil >105,000: E_t .78, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 60 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq.ft.	☐	Convenience stores <5,000 sq.ft.	☐	Office buildings <5,000 sq.ft.	☐
Skyboxes/sports stadiums	☐	Restaurants <5,000 sq.ft.	☐	School buildings <5,000 sq.ft.	☐
Traffic safety control towers	☐	Retail stores <5,000 sq.ft.	☑	Storage buildings <5,000 sq.ft.	☐

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

PREPARED BY: [signature] DATE: 2/11/05

I hereby certify that this building is in compliance with the Florida Energy Code

OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: ___

DATE: ___

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2-E	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY 32055	Building Permit No.:
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15		Under Attic	.03	1325	Slab-on-grade		1325	Wood			Single, wall		
Wood frame	.13		Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.87	167
Metal frame			Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value	30		Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER				HEATING SYSTEM			HOT WATER	
TYPE	EFFICIENCY		TONS	TYPE	EFFICIENCY	BTU/H	TYPE	
Unitary & Heat Pump				Central & Heat Pump			Electric	
<65,000 Btu/h	10.0 SEER		3	<65,000 Btu/h	6.8 HSPF	37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP	___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP	___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP	___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP	___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)			HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE	___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E_t	___		

LIGHTING Total Lighting Wattage / Total Conditioned Floor Area = 1760 / 1325 = 1.3 Watts/sq.ft.

SIZING CALCULATION Attached ☐

DUCTS R-value 6 Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	402.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	402.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	402.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	402.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 402.1	Minimum efficiencies -- Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-8.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1.	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+27/V_T. Gas >75,000, Oil >105,000: E_t .78, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 60 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq.ft.	☐	Convenience stores <5,000 sq.ft.	☐	Office buildings <5,000 sq.ft.	☐
Skyboxes/sports stadiums	☐	Restaurants <5,000 sq.ft.	☐	School buildings <5,000 sq.ft.	☐
Traffic safety control towers	☐	Retail stores <5,000 sq.ft.	☑	Storage buildings <5,000 sq.ft.	☐

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

PREPARED BY: [signature] DATE: 2/11/05

I hereby certify that this building is in compliance with the Florida Energy Code

OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: ___

DATE: ___

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2-F	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY 32055	Building Permit No.:
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15	220	Under Attic	.03	1232	Slab-on-grade	0	1232	Wood			Single, wall		
Wood frame	.13	1340	Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.67	167
Metal frame			Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value			Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER				HEATING SYSTEM			HOT WATER	
TYPE	EFFICIENCY		TONS	TYPE	EFFICIENCY	BTUH	TYPE	
Unitary & Heat Pump				Central & Heat Pump			Electric	
<65,000 Btu/h	10 SEER		3	<65,000 Btu/h	6.8 HSPF	37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP	___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP	___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP	___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP	___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)			HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE	___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E_t	___		

LIGHTING — Total Lighting Wattage / Total Conditioned Floor Area = 1760 / 1232 = 1.4 Watts/sq.ft.

SIZING CALCULATION — Attached ☐

DUCTS — R-value 6, Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	408.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	408.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	408.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	409.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 408.1	Minimum efficiencies – Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-8.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1.	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+.27/V_T. Gas >75,000, Oil >105,000: E_t .78, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 60 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq.ft. ☐	Convenience stores <5,000 sq.ft. ☐	Office buildings <5,000 sq.ft. ☐
Skyboxes/sports stadiums ☐	Restaurants <5,000 sq.ft. ☐	School buildings <5,000 sq.ft. ☐
Traffic safety control towers ☐	Retail stores <5,000 sq.ft. ☑	Storage buildings <5,000 sq.ft. ☐

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.
PREPARED BY: [signature] DATE: 2/11/05
I hereby certify that this building is in compliance with the Florida Energy Code
OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.
BUILDING OFFICIAL: ___
DATE: ___

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
CHAPTER 4 — Commercial Building Compliance Methods

FORM 400C-01
Limited and Special Use Buildings

NORTH
Climate Zones 1 2 3

Project Name: VILLAGE SQUARE ; BLDG #2 - G	Zone:
Address: US-90 WEST	Building Classification:
City, Zip Code: LAKE CITY, FL 32055	Building Permit No.:
Builder: SIMQUE CONSTRUCTION	Permitting Office: COLUMBIA COUNTY
Owner: WESTFIELD GROUP	Jurisdiction No.:

BUILDING INFORMATION

WALLS			ROOF/CEILING			FLOORS			DOORS			GLASS		
TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA	TYPE	U	AREA
Concrete (CBS)	.15	223	Under Attic	.03	1250	Slab-on-grade	—	1250	Wood			Single, wall		
Wood frame			Single Assembly			Raised Wood			Metal	.40	21	Double, wall	.87	375
Metal frame	.13	1343	Other:			Raised Concrete			Insulated			Single, roof		
Insulation R-value			Insulation R-value	30	1250	Insulation R-value			Other			Double, roof		

SYSTEMS INFORMATION

AIR CONDITIONER				HEATING SYSTEM			HOT WATER	
TYPE	EFFICIENCY		TONS	TYPE	EFFICIENCY	BTU/H	TYPE	
Unitary & Heat Pump				Central & Heat Pump			Electric	
<65,000 Btu/h	10 SEER		3	<65,000 Btu/h	6.8 HSPF	37,500	Resistance	☑
≥65,000 Btu/h	___ EER	___ IPLV	___	≥65,000 Btu/h	___ COP	___	Dedicated Heat Pump	☐
Water cooled	___ EER	___ IPLV	___	Water cooled	___ COP	___	Gas	
Evaporatively cooled	___ EER		___	Evaporatively cooled	___ COP	___	Natural	☐
PTAC	___ EER		___	Electric Resistance	___ COP	___	LPG	☐
Chiller	___ COP	___ IPLV	___	Gas/Oil (circle one)			HRU	☐
Gas heat pump	___ COP		___	<225,000/300,000 Btu/h	___ AFUE	___	Other: ___	☐
Other: ___	___	___	___	≥225,000/300,000 Btu/h	___ E_t	___		

LIGHTING Total Lighting Wattage / Total Conditioned Floor Area = 1760 / 1250 = 1.4 Watts/sq.ft.

SIZING CALCULATION Attached ☐

DUCTS R-value 6 Location ATTIC

PRESCRIPTIVE MEASURES (Must be met or exceeded by all buildings.)

Components	Section	Requirements	Check
Operations Manual	102.1	Operations manual will be provided to owner.	✓
Windows & Doors	406.1	Maximum: .3 cfm per sq.ft. of window area; Maximum: 1.2 cfm per sq.ft. of door area.	✓
Joints/Cracks	406.1	To be caulked, gasketed, weatherstripped or otherwise sealed.	✓
Dropped Ceiling Cavity	406.1	Vented: seal and insulate ceiling (no T-bar ceilings). Unvented, no ceiling air barrier: seal and insulate roof and side walls.	✓
Reheat	407.1	Electric resistance reheat prohibited.	✓
Ventilation	409.1	Supplied with readily accessible switch for shut-off and/or volume reduction when ventilation is not required.	✓
HVAC Efficiency	407.1, 408.1	Minimum efficiencies – Heating: Tables 4-7, 4-8, 4-9. Cooling: Tables 4-3, 4-4, 4-5, 4-6.	✓
HVAC Controls	407.1	Separate readily accessible manual or automatic thermostat for each system.	✓
HVAC Ducts	410.1	Air ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of section 410.1.	✓
Balancing	410.1	HVAC distribution system(s) tested and balanced.	✓
Piping Insulation	411.1	In accordance with Table 4-11.	✓
Water Heaters	412.1	Automatic electric storage water heaters ≤120 gallons and gas & oil fired storage water heaters ≤75,000 Btu/h shall meet performance requirements in Table 4-12. Electric >120 gallons: standby loss ≤.30+27/V_T. Gas >75,000, Oil >105,000: E_t .78, Standby loss ≤ 1.30+114/V_T. Gas, Oil >155,000: E_t.78, Standby loss ≤ 1.30+95/V_T.	✓
Swimming Pools & Spas	412.1	Spas & heated pools must have covers. Non-commercial pools must have pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	N/A
Hot Water Pipe Insulation	412.1	Piping heat loss is limited to the levels in Table 4-11 for circulating systems and the first 8' of pipe from a storage tank.	✓
Water Fixtures	412.1	Shower head water flow restricted to maximum of 2.5 gpm at 60 psi. Toilets meet 42CFR 6295(k). Public lavatory fixture maximum flow of .5 gpm; or if self-closing valve, .25 gallon circulating, .5 gallon non-circulating.	✓
Lighting	415.1	Ballasts shall have Power Factors no less than .90.	✓

If required by Florida law, I hereby certify that the system design is in compliance with the Florida Energy Code. Registration No.

ARCHITECT: ___
ELECTRICAL SYSTEM DESIGNER: ___
LIGHTING SYSTEM DESIGNER: ___
MECHANICAL SYSTEM DESIGNER: ___
PLUMBING SYSTEM DESIGNER: ___

Compliance with Chapter 4 was demonstrated by a Prescriptive Measures methodology:

Detached Buildings <200 sq ft.	☐	Convenience stores <5,000 sq.ft.	☐	Office buildings <5,000 sq.ft.	☐
Skyboxes/sports stadiums	☐	Restaurants <5,000 sq.ft.	☐	School buildings <5,000 sq.ft.	☐
Traffic safety control towers	☐	Retail stores <5,000 sq.ft.	☑	Storage buildings <5,000 sq.ft.	☐

I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.
PREPARED BY: ___ DATE: 2/11/05
I hereby certify that this building is in compliance with the Florida Energy Code
OWNER AGENT: ___ DATE: ___

Review of 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 in accordance with Section 553.908, F.S.
BUILDING OFFICIAL: ___
DATE: ___

CLIMATE ZONES 1 2 3

PRESCRIPTIVE REQUIREMENTS LIST*

*All Basic Prescriptive Requirements, designated in the Code by ".1.ABCD" and summarized on the front of this form, must also be met.

FORM 400C-01
METHOD C

	CHECK

Detached Commercial Buildings Less than 200 sq.ft. — Table 4C-1

Glass Area:	No limit.
Overhang:	Minimum 1 foot if not under another structure; or No overhang with a glazing Solar Heat Gain Coefficient of 0.48 or less.
Walls:	Minimum insulation level Frame walls – R-11. Masonry walls – R-5.
Roofs/Ceilings:	Minimum insulation level – R-19.
Floors:	Minimum insulation level – None.
Cooling System:	Code minimums as per section 407.1.ABCD.3.
Heating System:	Code minimums as per section 408.1.ABCD.3.

Skyboxes or Sports Stadiums — Table 4C-2

Glass:	No limit with glazing Solar Heat Gain Coefficient of 0.48 or less.
Overhang:	None required.
Walls:	Minimum insulation level Frame walls – R-11. Masonry walls – R-5.
Roofs/Ceilings:	Minimum insulation level – R-19.
Floors:	Minimum insulation level Frame floor – R-19. Concrete floor – None.
Cooling System:	Minimum equipment efficiency requirements Air cooled – 10.0 EER or 10.5 SEER. Water cooled – 11.0 EER.
Heating System:	Code minimums as per section 408.1.ABCD.3.
Air Distribution:	A programmable setback shall be installed for in-season use; At least one humidistat control per zone shall be installed for off-season use. EXCEPTION: Installation of a central energy management system.
Lighting:	Total connected wattage shall not exceed 1.8 watts per square foot of conditioned space.

Traffic Safety Control Towers — Table 4C-3

Glass:	No limit.
Overhang:	Minimum 1 foot if not under another structure; or No overhang with a glazing Solar Heat Gain Coefficient of 0.48 or less.
Walls:	Minimum insulation level Frame walls – R-11. Masonry walls – R-5.
Roofs/Ceilings:	Minimum insulation level – R-19.
Floors:	Minimum insulation level – None.
Cooling System:	Code minimums as per section 407.1.ABCD.3.
Heating System:	Code minimums as per section 408.1.ABCD.3.
Lighting:	Total connected wattage shall not exceed 2.1 watts per square foot of conditioned space.

General Requirements for Building Packages <5,000 sq.ft. — Table 4C-4

FLOOR:	Slab-on-Grade	R-0
	Raised Wood	R-19
	Raised Concrete	R-7
WALL:	Masonry	R-7 (exterior, adjacent and common)
	Wood Frame	R-11 (exterior, adjacent and common)
	Metal Frame	R-13 (exterior, adjacent and common)
ROOF:	Insulation above Deck	R-19
	Insulation in Attic or Dropped Ceiling Cavity	R-19
INFILTRATION:		Code minimums in section 406.1.ABCD.1
DUCTS:		Code minimums in section 410.1.ABCD.2
DOMESTIC HOT WATER:		Code minimums in section 412.1.ABCD.3

LIGHTING CONTROLS: Each space must have the lights divided into at least two "banks" — each one with a manual On/Off switch;
OR Each space must have one occupancy sensor (or other automatic control) to turn the lights on and off.

FORM 400C-01

CLIMATE ZONES 1 2 3

HVAC, GLASS AREA, AND LIGHTING: See Chart below. Select and circle the desired combination of glass-to-wall area percentage (GL AREA %) and lighting level (W/SF) based on the type of HVAC system and efficiency. Report the levels installed on the front of the form.

Table 4C-5 CONVENIENCE BUILDING < 5,000 SF

MAXIMUM ALLOWABLE GLASS AREA % AND ALLOWABLE LIGHTING W/SF

Cooling Equipment Capacity ≥65,000 Btu/h, Room Units, PTACs								Capacity <65,000 Btu/h	
EER: 8.9-9.0		EER: 9.1-10.0		EER: 10.1-11.0		EER: 11.1-UP		SEER: 10.0-UP	
GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF
15	2.7	15	2.7	15	3.1	15	3.5	15	3.5
25	2.4	25	2.9	25	2.9	25	3.1	25	3.1
				35	2.4	35	2.7	35	2.7
						45	2.1	45	2.1
						And Heat Pump		And Heat Pump	
						COP: > = 3.0		HSPF: > = 6.8	
						55	3.9	55	3.9

Glazing:
Solar Heat Gain Coefficient <=0.87

Table 4C-6 RESTAURANT BUILDING < 5,000 SF

MAXIMUM ALLOWABLE GLASS AREA % AND ALLOWABLE LIGHTING W/SF

Cooling Equipment Capacity ≥65,000 Btu/h, Room Units, PTACs								Capacity <65,000 Btu/h	
EER: 8.9-9.0		EER: 9.1-10.0		EER: 10.1-11.0		EER: 11.1-UP		SEER: 10.0-UP	
GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF
30	1.0	30	1.2	30	1.4	30	1.6	30	1.6
35	0.8	35	1.0	35	1.2	35	1.4	35	1.4
		40	0.8	40	1.0	40	1.2	40	1.2
				45	0.8	45	1.0	45	1.0
				50	0.6	50	0.8	50	0.8
						And Heat Pump		And Heat Pump	
						COP: > = 3.0		HSPF: > = 6.8	
						65	1.8	65	1.8

Glazing:
Solar Heat Gain Coefficient <=0.77 or
Double Pane

Table 4C-7 RETAIL BUILDING < 5,000 SF

MAXIMUM ALLOWABLE GLASS AREA % AND ALLOWABLE LIGHTING W/SF

Cooling Equipment Capacity ≥65,000 Btu/h, Room Units, PTACs								Capacity <65,000 Btu/h	
EER: 8.9-9.0		EER: 9.1-10.0		EER: 10.1-11.0		EER: 11.1-UP		SEER: 10.0-UP	
GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF
35	2.2	35	2.4	35	2.5	35	2.6	35	2.6
45	2.0	45	2.2	45	2.3	45	2.4	45	2.4
		55	2.0	55	2.1	55	2.2	55	2.2
						And Heat Pump		And Heat Pump	
						COP: > = 3.0		HSPF: > = 6.8	
						65	3.0	65	3.0

Glazing:
Solar Heat Gain Coefficient <=0.87

FORM 400C-97

CLIMATE ZONES 1 2 3

HVAC, GLASS AREA, AND LIGHTING: See Chart below. Select and circle the desired combination of glass-to-wall area percentage (GL AREA %) and lighting level (W/SF) based on the type of HVAC system and efficiency. Report the levels installed on the front of the form.

Table 4C-8 OFFICE BUILDING < 5,000 SF

MAXIMUM ALLOWABLE GLASS AREA % AND ALLOWABLE LIGHTING W/SF

Cooling Equipment Capacity ≥65,000 Btu/h, Room Units, PTACs								Capacity <65,000 Btu/h	
EER: 8.9-9.0		EER: 9.1-10.0		EER: 10.1-11.0		EER: 11.1-UP		SEER: 10.0-UP	
GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF
20	2.0	20	2.2	30	2.2	25	2.4	25	2.4
25	1.8	30	2.0	40	2.0	35	2.2	35	2.2
		35	1.8	45	1.8	45	2.0	45	2.0
						50	1.8	50	1.8
						And Heat Pump		And Heat Pump	
						COP: > = 3.0		HSPF: > = 6.8	
						75	2.2	75	2.2

Glazing:
Solar Heat Gain Coefficient <=0.61

Table 4C-9 SCHOOL BUILDING < 5,000 SF

MAXIMUM ALLOWABLE GLASS AREA % AND ALLOWABLE LIGHTING W/SF

Cooling Equipment Capacity ≥65,000 Btu/h, Room Units, PTACs								Capacity <65,000 Btu/h	
EER: 8.9-9.0		EER: 9.1-10.0		EER: 10.1-11.0		EER: 11.1-UP		SEER: 10.0-UP	
GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF
20	1.6	20	1.8	20	2.0	20	2.2	20	2.2
25	1.4	25	1.6	25	1.8	25	2.0	25	2.0
		30	1.4	30	1.6	30	1.8	30	1.8
				35	1.4	35	1.6	35	1.6
						40	1.2	40	1.2
						And Heat Pump		And Heat Pump	
						COP: > = 3.0		HSPF: > = 6.8	
						60	2.6	60	2.6

Glazing:
Solar Heat Gain Coefficient <=0.67

Table 4C-10 STORAGE BUILDING < 5,000 SF

MAXIMUM ALLOWABLE GLASS AREA % AND ALLOWABLE LIGHTING W/SF

Cooling Equipment Capacity ≥65,000 Btu/h, Room Units, PTACs								Capacity <65,000 Btu/h	
EER: 8.9-9.0		EER: 9.1-10.0		EER: 10.1-11.0		EER: 11.1-UP		SEER: 10.0-UP	
GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF	GL AREA %	LIGHTING W/SF
5	0.6	5	0.74	5	0.85	5	0.85	5	0.85
		15	0.1	15	0.35	15	0.47	15	0.47
				25	0.10	25	0.37	25	0.37
						And Heat Pump		And Heat Pump	
						COP: > = 3.0		HSPF: > = 6.8	
						40	1.25	40	1.25

Glazing:
Solar Heat Gain Coefficient <=0.77 or
Insulated

Cal-Tech Testing, Inc.
• Engineering
• Geotechnical
• Environmental
Laboratories

P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)4047

JOB NO.: 05-010
DATE TESTED: 5/25/2005
DATE REPORTED: 6/1/2005

REPORT OF IN-PLACE DENSITY TEST

PROJECT: Village Square @ US - 90
CLIENT: Simque Construction, PO Box 2962, Lake City, FL 32056
GENERAL CONTRACTOR: Simque Construction
EARTHWORK CONTRACTOR: Simque Construction
INSPECTOR: T. Hygema

ASTM METHOD: (D-2922) Nuclear
SOIL USE: BUILDING FILL

SPECIFICATION REQUIREMENTS: 95%

TEST NO.	TEST LOCATION	TEST DEPTH	WET DENSITY (lb/ft^3)	MOISTURE PERCENT	DRY DENSITY (lb/ft^3)	PROCTOR TEST NO.	PROCTOR VALUE	% MAXIMUM DENSITY
PAD								
1	25'W x 12'N from SE Corner	0 - 12"	123.2	8.3	113.8	1	114.8	99.1%
2	Center of Pad	0 - 12"	122.7	9.0	112.6	1	114.8	98.1%
3	24'E x 20'S from NW Corner	0 - 12"	122.3	8.7	112.5	1	114.8	98.0%
4	20'E x 10'N from SW Corner	0 - 12"	121.5	7.5	113.0	1	114.8	98.5%

REMARKS: The Above Tests Meet Specification Requirements.

PROCTORS

TEST NO.	SOIL DESCRIPTION	MAXIMUM DRY UNIT WEIGHT (lb/ft^3)	OPT. MOIST.	TYPE
1	Gray Sand w/ Trace Clay	114.8	12.0	MODIFIED (ASTM D-1557)

Respectfully Submitted,
CAL-TECH TESTING, INC.

Linda Creamer

Linda M. Creamer
President - CEO
ta

Reviewed By:

John C. Dorman, P.E., PhD
Florida Registration No.: 52612
Date: 6/1/05

The test results presented in this report are specific only to the samples tested at the time of testing. The tests were performed in accordance with generally accepted methods and standards. Since material conditions can vary between test locations and

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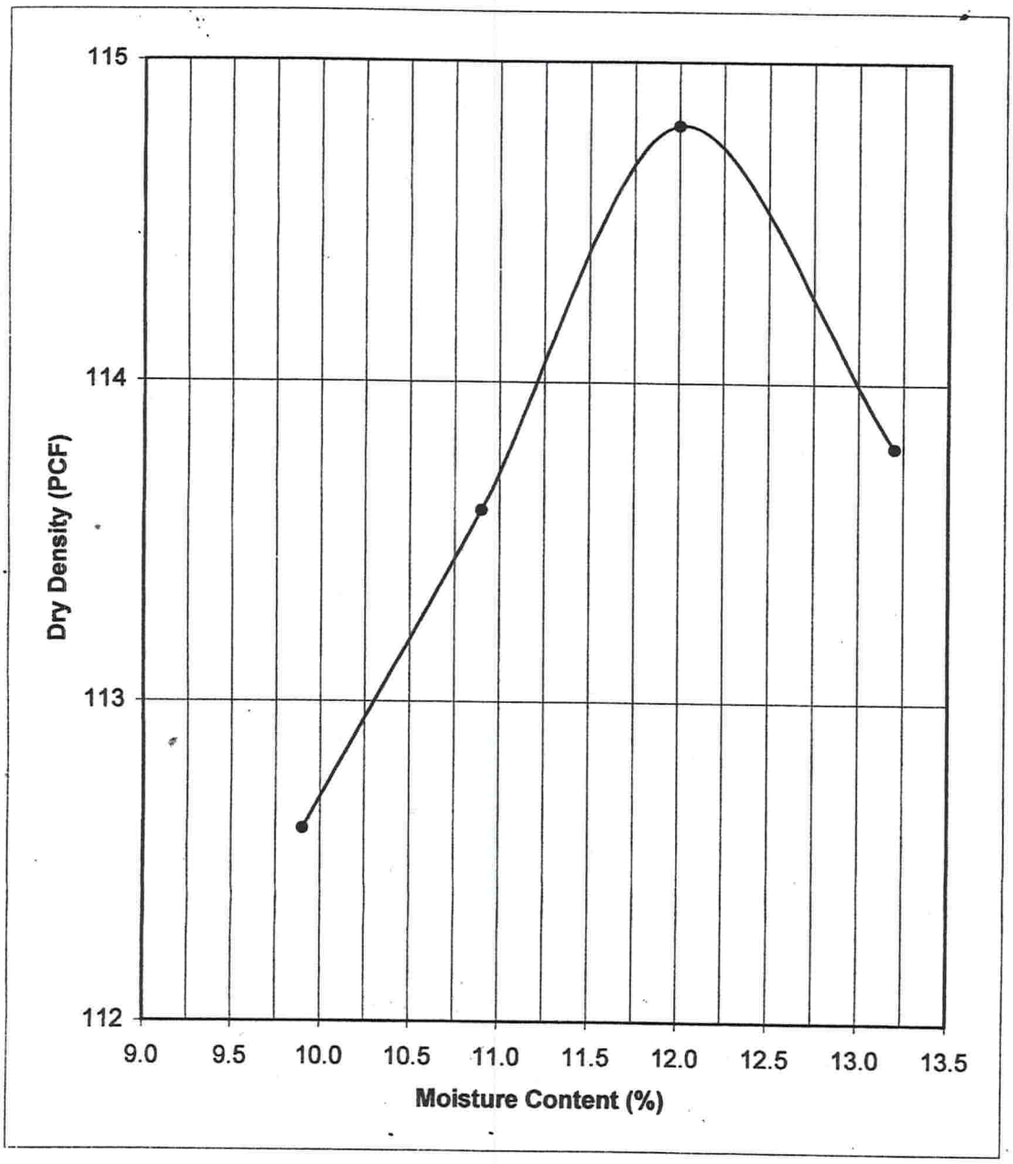
P.O. Box 1625 • Lake City, FL 32056-1625 • Tel(386)755-3633 • Fax(386)752-5456
6919 Distribution Ave. S., Unit #5, Jacksonville, FL 32257 • Tel(904)262-4046 • Fax(904)4047

REPORT OF LABORATORY COMPACTION TEST

Client: Simque Construction, PO Box 2962, Lake City, FL 32056
Project Name: Village Square @ US - 90
Project Location: Lake City, Florida
Contractor: Simque Construction

File No: 05-010
Date: 6/1/2005
Lab No: 7552



PROCTOR DATA

Proctor No.: 1

Modified Proctor (ASTM D-1557) ☑

Standard Proctor (ASTM D-698) ☐

Maximum Dry Dens. Pcf: 114.8

Optimum Moisture Percent: 12.0

The test results presented in this report specific only to the samples tested at the tim testing. The tests were performed accordance with generally accepted meth and standards. Since material conditions vary between test locations and change time, sound judgement should be exercised regard to the use and interpretation of the da

Sample Description: Gray Sand w/ Trace Clay
Sample Location: Existing Material
Proposed Use: Building Fill
Sampled By: T. Hygema **Date:** 5/25/2005
Tested By: W. McCollum **Date:** 5/26/2005
Remarks: 1cc: Client
1cc: File

ta

Linda Creamer

Linda M. Creamer
President - CEO
Reviewed By: [signature]
Date: 6/1/05
FL Registration No: 52612

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525
(exp. 10/31/2005)

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.

23409

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: David Simpson Const. Company Phone No. _____

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Village Square
US. Hwy 90 Lake City FL

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____
Approximate Depth of Footing: Outside 0 Inside 0 Type of Fill A.F

Section 4: Treatment Information

Date(s) of Treatment(s) 7-25-05
Brand Name of Product(s) Used Dursban
EPA Registration No. 1471-516
Approximate Final Mix Solution % 0.5 %
Approximate Size of Treatment Area: Sq. ft. 8960 Linear ft. 0 Linear ft. of Masonry Voids 0
Approximate Total Gallons of Solution Applied 900
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 _____

Name of Applicator(s) Steve Brannan 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 Steve Brannan Date 7-25-05

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)

23409

LAKE CITY / COLUMBIA COUNTY
FIRE - RESCUE

225 NW Main Blvd., Suite 101, Lake City, FL 32055
Phone: 386-752-3312 Fax: 386-758-5424
e-mail: lcfd@se.rr.com
alwilson@se.rr.com (Fire Chief)

Alphonso Wilson
Fire Chief

Inspection Division
Firesafety Inspectors
Carlton A. Tunsil
Assistant Fire Chief
Frank E. Armijo
Captain
Nathiel L. Williams, Sr.
Driver/Engineer

To: Columbia County Building Department

FROM: Frank E. Armijo, Captain
State Fire Inspector License #112877

DATE: December 14, 2005

SUBJECT: Fire Safety Inspection

A fire safety inspection was performed today at Village Square suite 102, 104, 106, 114, located at 90 west, Lake City, FL. This business meets all requirements of Chapter 38 of the Florida Fire Prevention Code, 2004 Edition. No violations were noted. I recommend approval.

Frank E. Armijo

Frank E. Armijo, Captain
State Fire Inspector License #112877

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 35-3S-16-02585-006 **Building permit No.** 000023409

Use Classification COMMERCIAL STORE **Fire:** 619.50

Permit Holder DAVID SIMQUE **Waste:**

Owner of Building WESTFIELD GROUP **Total:** 619.50

Location: 2929 HIGHWAY 90 WEST

Date: 12/20/2005

John D. Kerce

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

Called 12/29/05