

DATE 07/11/2006

Columbia County Building Permit

PERMIT  
000024738

This Permit Expires One Year From the Date of Issue

APPLICANT JOHN O'NEAL PHONE 755-0240

ADDRESS PO BOX 3505 LAKE CITY FL 32056

OWNER LAKE CITY CHRISTIAN ACADEMY PHONE 758-0055

ADDRESS 3035 SW PINEMOUNT RD LAKE CITY FL 32024

CONTRACTOR O'NEAL CONTRACTING, INC. PHONE 755-0240

LOCATION OF PROPERTY 90 WEST, L PINEMOUNT RD, APPROX. 4 MILES ON LEFT  
AT SCHOOL

TYPE DEVELOPMENT MODULAR, UTILITY ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA TOTAL AREA HEIGHT 13.60 STORIES 1

FOUNDATION WALLS FRAMED ROOF PITCH 3/12 FLOOR PIERS

LAND USE & ZONING AG-3 MAX. HEIGHT 35

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

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

PARCEL ID 07-4S-16-02792-006 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 20.00

CBC057550

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

EXISTING 06-0560-N BK JH N

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

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD, SE 0215

Check # or Cash 12290

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic 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 \$ 0.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00

MISC. FEES \$ 200.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$

FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 275.00

INSPECTORS OFFICE CLERKS OFFICE

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

Revised 9-23-0

For Use Only Application # 0603-13 Date Received 7/7 By Jul Permit # 24738  
Application Approved by - Zoning Official RLK Date 29.06.06 Plans Examiner DKJTH [ 7-10-06  
Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3  
Comments SE 0215  
(voc)

Applicants Name LAKE CITY CHRISTIAN ACADEMY FAX: (386) 758-0055  
Address 3035 S.W. PINEMOUNT RD LAKE CITY, FL 32024 Phone (386) 758-3018  
Owners Name SAME Phone \_\_\_\_\_  
911 Address SAME  
Contractors Name O'NEAL CONTRACTING, INC. (386) 755-0240  
Address P.O. BOX 3505 LAKE CITY, FL 32056 Phone (386) 752-7578  
Fee Simple Owner Name & Address N/A  
Bonding Co. Name & Address N/A  
Architect/Engineer Name & Address JOHN A. BODZIAK 3637 NORTH ST. PETERSBURG, FL 33204  
Mortgage Lenders Name & Address N/A  
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy  
Property ID Number 07-45-16-02792-006 Estimated Cost of Construction \$11,350.00  
Subdivision Name N/A Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
Driving Directions 90 WEST TO PINEMOUNT RD., TURN LEFT, GO APPROXIMATELY 4 MI. TO THE SCHOOL ON  
ON THE LEFT.

Type of Construction MODULAR BUILDING Number of Existing Dwellings on Property ONE  
Total Acreage 20 Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive  
Actual Distance of Structure from Property Lines - Front 396 Side 206 Side 560 Rear 826  
Total Building Height 13'6" Number of Stories 1 Heated Floor Area 840 Roof Pitch 3/12

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

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

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

Owner Builder or Agent (Including Contractor)

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 7th day of July 2006

Personally known ✓ or Produced Identification \_\_\_\_\_

Contractor Signature

Contractors License Number CBC 057550

Competency Card Number \_\_\_\_\_

NOTARY STAMP/SEAL

Cindy Edge

Commission # DD308375

Expires July 20, 2008

Bonded Troy Fair - Insurance, Inc. 800-385-7010

Notary Signature

Cindy Edge at TW left message for



## 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 29, 2006

Lake City Christian Academy  
3035 S. W. Pinemount Road  
Lake City, Florida 32024

Attention: Tana Espenship

Reference: Proposed Prefabricated Buildings  
Lake City Christian Academy  
Lake City, Florida  
Cal-Tech Project No. 06-411

Dear Ms. Espenship,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of subgrade soils at the referenced site. Specifically, bearing level soils in the area of two proposed prefabricated buildings were investigated. Our work was performed in conjunction with and authorized by you. The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 2,000 pounds per square foot and to provide recommendations as appropriate.

### Site Investigation

The site was investigated by performing one (1) standard penetration test boring advanced to a depth of 10 feet. The boring was performed near the center of the proposed construction area. This location was selected on site by your associate, and the building areas were delineated. A site plan was not available.

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 boring generally encountered two soil strata. The first layer consists of about 4 feet of very loose to loose, grayish tan sand with silt (SP/SM) and tan sand (SP). The N-values of this layer range from 2 to 6 blows per foot.

The second layer consists of an undetermined thickness of generally medium dense to dense, gray, tan, orange and red, clayey sand (SC). The N-values of this layer range from 10 to 50 blows per foot.

Groundwater was not encountered at the time of our investigation. For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Log.

### Discussion

Based upon the results of the soil boring, we have performed a bearing capacity analysis for the subgrade soils at the specific location of the boring. We have used a pad footing that is 16 inches square with bottom embedment of 14 inches below the finished surface grade. We obtained an allowable bearing capacity of about 2,000 pounds per square foot for this foundation with a factor of safety of about 1.4 against a bearing capacity failure. Based upon this finding, it is our opinion the site soils are suitable for the proposed foundations and an allowable bearing pressure of 2,000 pounds per square foot.

Although the proposed foundations and site soils are suitable for an allowable bearing pressure of 2,000 pounds per square foot, we recommend all bearing soils below the foundations be compacted. Specifically, we recommend bearing soils be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a minimum depth of 12 inches below the bottoms of the foundations.

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 of further assistance.

Respectfully submitted,  
Cal-Tech Testing, Inc.



Linda Creamer  
President / CEO



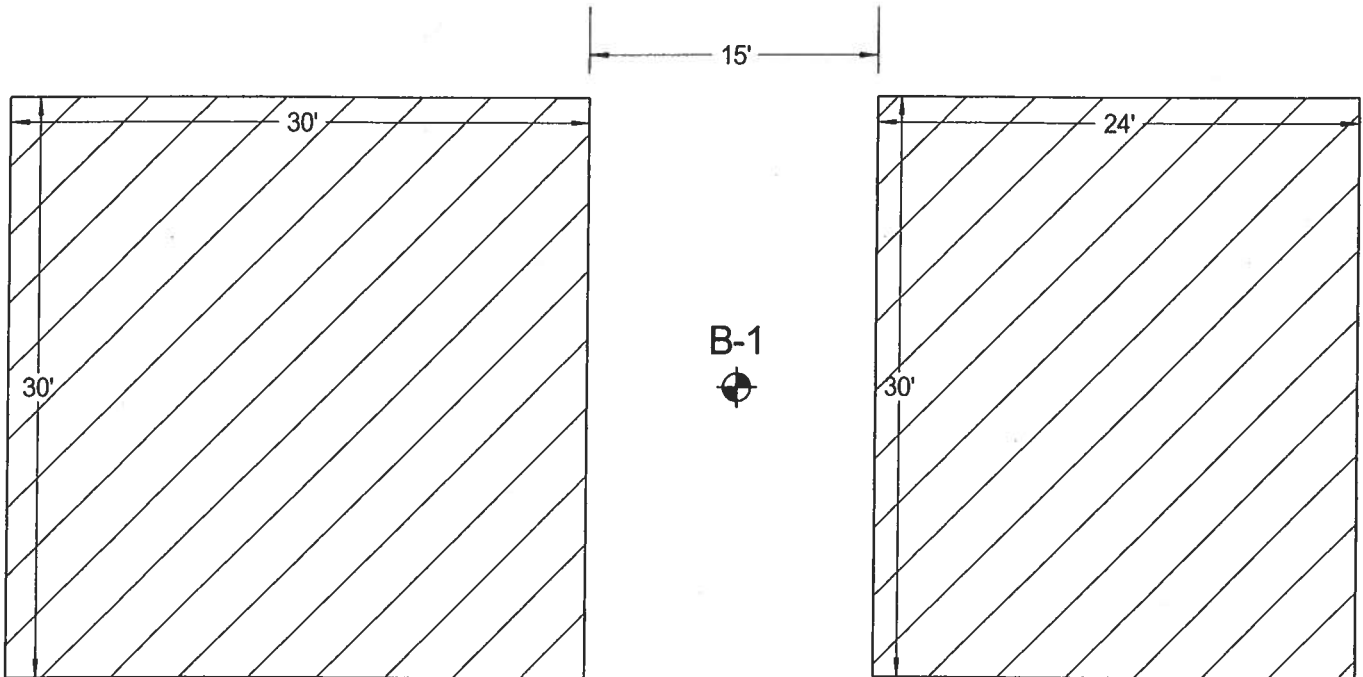
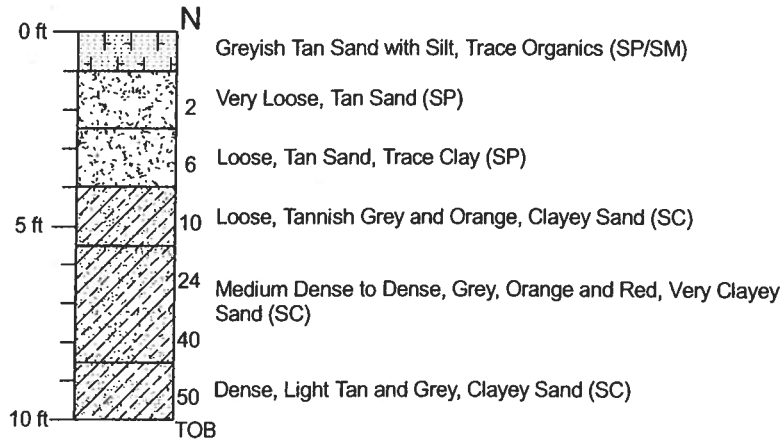
John C. Dorman, Jr., Ph.D., P.E.  
Geotechnical Engineer 6/30/06  
52612

# B-1

Water Table: N/A

Depth (ft)

Soil Description



PROPOSED MODULAR BUILDINGS  
LAKE CITY CHRISTIAN ACADEMY

## REPORT OF SOIL BORINGS

DRAWN BY:

CHECKED BY:

DATE

JOB NO.

S.C. YOUNG

J.C. DORMAN

6/30/06

06-411

SHEET NO.

1 of 1



H. RAY WALKER

COLUMBIA COUNTY TAX COLLECTOR

2002 REAL ESTATE

01085270000

NOTICE OF AD VALOREM TAXES AND NON-AD VALOREM ASSESSMENTS

ACCOUNT NUMBER	ESCROW CD	ASSESSED VALUE	EXEMPTIONS	TAXABLE VALUE	MILLAGE CODE
R02792-006		39,359	0	39,359	003

R

0003893 01 AV 0.278 \*\*AUTO T5 OF 0818 32024-12

EAGLE'S NEST RANCH INC

RT 11 BX 10521

LAKE CITY FL 32024-9328

07-4S-16 6200/6200 14.62 Acres  
 COMM NE COR, RUN S 56.08 FT TO  
 S R/W CR-252, RUN W ALONG R/W  
 60.01 FT FOR POB, S 1270.51  
 FT, W 684.42 FT, N 1275.43 FT  
 TO S R/W OF CR-252, E 684.42

## AD VALOREM TAXES

TAXING AUTHORITY	MILLAGE RATE (DOLLARS PER \$1,000 OF TAXABLE VALUE)	TAXES LEVIED
C001 BOARD OF COUNTY COMMISSIONERS	6.7260	343.45
S002 COLUMBIA COUNTY SCHOOL BOARD		
DISCRETIONARY	.7800	29.91
LOCAL	5.8750	231.23
CAPITAL OUTLAY	2.0000	78.72
W SR SUWANNEE RIVER WATER MGT DIST	.4914	19.34
HLSH SHANDS AT LAKE SHORE	1.5000	59.04
IIDA INDUSTRIAL DEVELOPEMENT AUTH	.1380	5.43

ENR#1153  
 11-6-02  
 \$741.45

TOTAL MILLAGE 19.4804

AD VALOREM TAXES

\$767.12

## NON-AD VALOREM ASSESSMENTS

LEVYING AUTHORITY	RATE	AMOUNT
FFIR FIRE ASSESSMENTS		5.22

NON-AD VALOREM ASSESSMENTS

\$5.22

## COMBINED TAXES AND ASSESSMENTS

\$772.34

PAY ONLY  
ONE AMOUNTSee reverse side for  
Important Information.

IF PAID BY PLEASE PAY	Nov 30 741.45	Dec 31 749.17	Jan 31 756.89	Feb 28 764.62	Mar 31 772.34
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IF PAID  
BY

	COLUMN 1*	COLUMN 2*		COLUMN 3*
Your property value last year:	Market Value 88,190	Assessed Value 39,359	Exemptions	Taxable Value 39,359
Your property value this year:	88,190	39,359		39,359

• SEE REVERSE SIDE FOR EXPLANATIONS

• IF YOU FEEL THE MARKET VALUE OF YOUR PROPERTY IS INACCURATE OR DOES NOT REFLECT FAIR MARKET VALUE, CONTACT YOUR COUNTY PROPERTY APPRAISER AT:

135 NE Hernando Ave # 238 Lake City FL 32055 (386) 758-1083

• IF THE PROPERTY APPRAISERS OFFICE IS UNABLE TO RESOLVE THE MATTER AS TO MARKET VALUE, YOU MAY FILE A PETITION FOR ADJUSTMENT WITH THE VALUE ADJUSTMENT BOARD; PETITION FORMS ARE AVAILABLE FROM THE COUNTY PROPERTY APPRAISER AND MUST BE FILED ON OR BEFORE:

September 09, 2002

• YOUR FINAL TAX BILL MAY CONTAIN NON-AD VALOREM ASSESSMENTS WHICH MAY NOT BE REFLECTED ON THIS NOTICE SUCH AS ASSESSMENTS FOR ROADS, DRAINAGE, GARBAGE, FIRE, LIGHTING, WATER SEWER OR OTHER GOVERNMENTAL SERVICES AND FEES WHICH MAY BE LEVIED BY YOUR COUNTY CITY OR ANY SPECIAL DISTRICT

DR-474  
R. 01/02RETAIN  
THIS  
PORTION  
FOR  
YOUR  
RECORDS



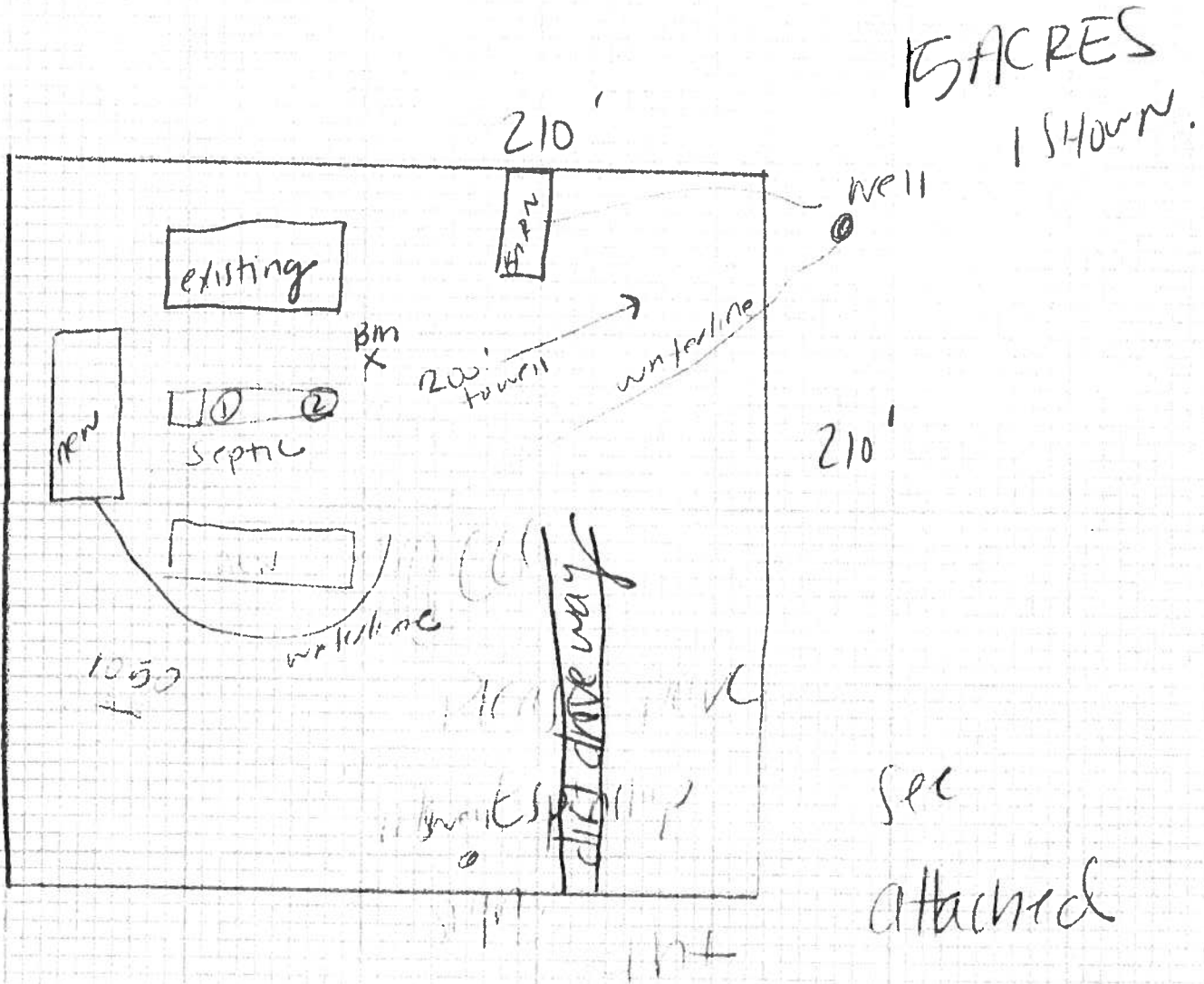
STATE OF FLORIDA  
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0560-N

PART II - SITE PLAN

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



Notes: \_\_\_\_\_

Site Plan submitted by: [Signature]

Administrator

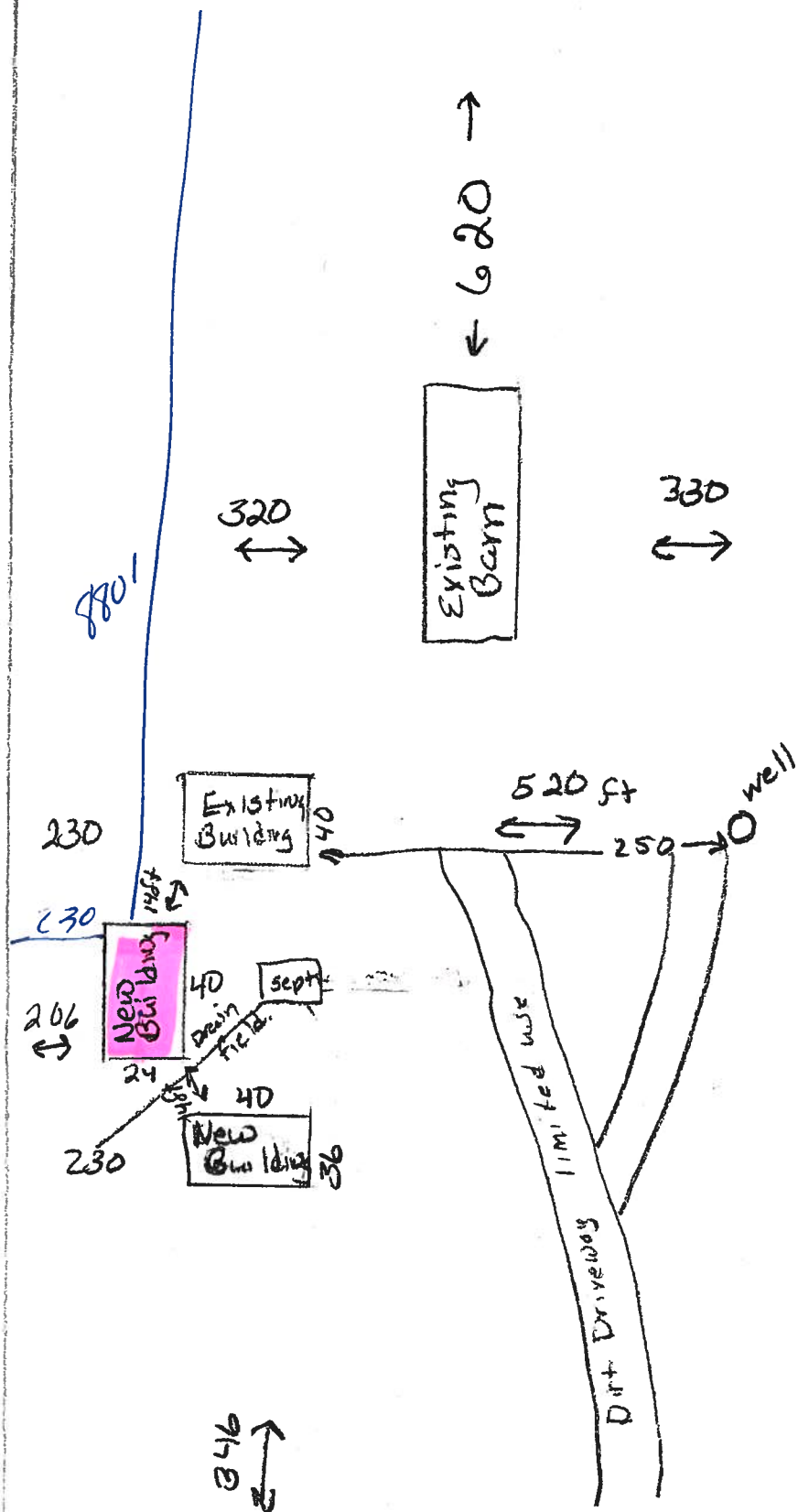
Plan Approved ☒ Signature \_\_\_\_\_  
Not Approved ☐

Title \_\_\_\_\_  
Date 6-15-06

By Sally Haddy, CSII County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

# Site Plan Eagle's Nest Ranch Lake City Christian 758-0055







## 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 29, 2006

Lake City Christian Academy  
3035 S. W. Pinemount Road  
Lake City, Florida 32024

Attention: Tana Espenship

Reference: Proposed Prefabricated Buildings  
Lake City Christian Academy  
Lake City, Florida  
Cal-Tech Project No. 06-411

Dear Ms. Espenship,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of subgrade soils at the referenced site. Specifically, bearing level soils in the area of two proposed prefabricated buildings were investigated. Our work was performed in conjunction with and authorized by you. The purposes of our investigation were to evaluate the existing subgrade soils for an allowable bearing pressure of 2,000 pounds per square foot and to provide recommendations as appropriate.

### Site Investigation

The site was investigated by performing one (1) standard penetration test boring advanced to a depth of 10 feet. The boring was performed near the center of the proposed construction area. This location was selected on site by your associate, and the building areas were delineated. A site plan was not available.

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 boring generally encountered two soil strata. The first layer consists of about 4 feet of very loose to loose, grayish tan sand with silt (SP/SM) and tan sand (SP). The N-values of this layer range from 2 to 6 blows per foot.

The second layer consists of an undetermined thickness of generally medium dense to dense, gray, tan, orange and red, clayey sand (SC). The N-values of this layer range from 10 to 50 blows per foot.

Groundwater was not encountered at the time of our investigation. For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Log.

### Discussion

Based upon the results of the soil boring, we have performed a bearing capacity analysis for the subgrade soils at the specific location of the boring. We have used a pad footing that is 16 inches square with bottom embedment of 14 inches below the finished surface grade. We obtained an allowable bearing capacity of about 2,000 pounds per square foot for this foundation with a factor of safety of about 1.4 against a bearing capacity failure. Based upon this finding, it is our opinion the site soils are suitable for the proposed foundations and an allowable bearing pressure of 2,000 pounds per square foot.

Although the proposed foundations and site soils are suitable for an allowable bearing pressure of 2,000 pounds per square foot, we recommend all bearing soils below the foundations be compacted. Specifically, we recommend bearing soils be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a minimum depth of 12 inches below the bottoms of the foundations.

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 of further assistance.

Respectfully submitted,  
Cal-Tech Testing, Inc.



Linda Creamer  
President / CEO



John C. Dorman, Jr., Ph.D., P.E.  
Geotechnical Engineer

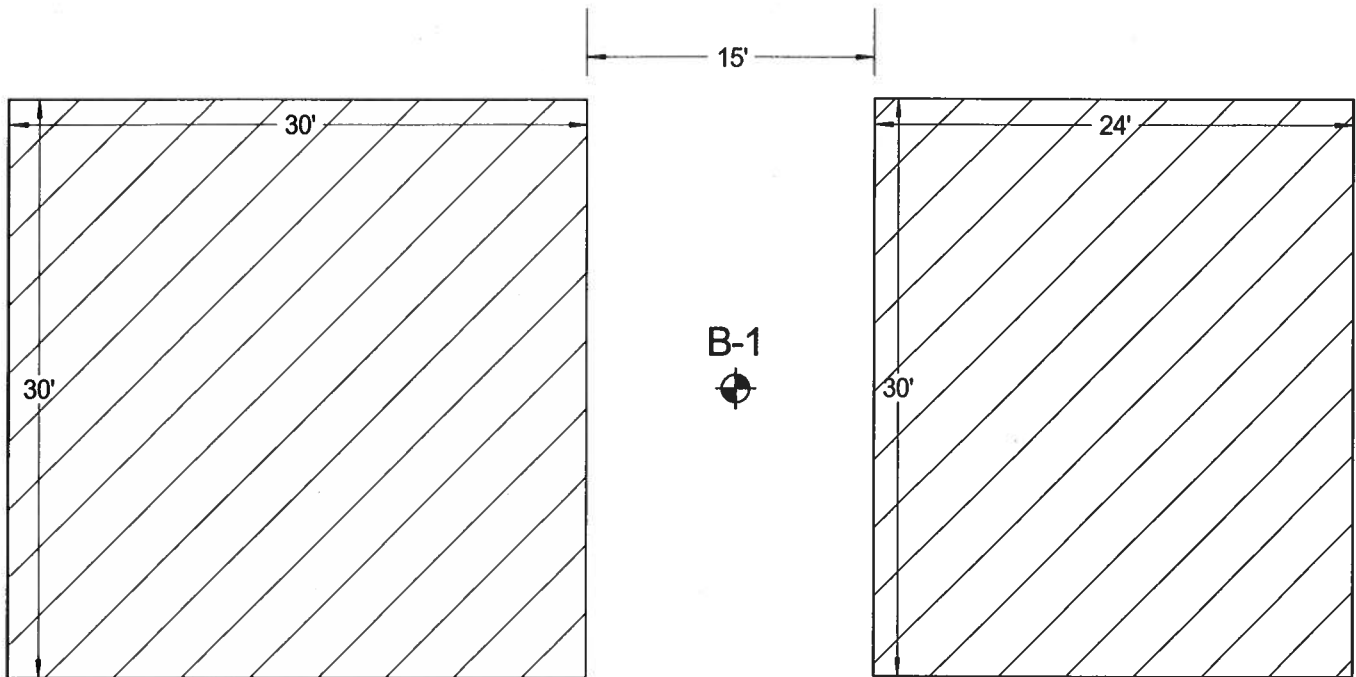
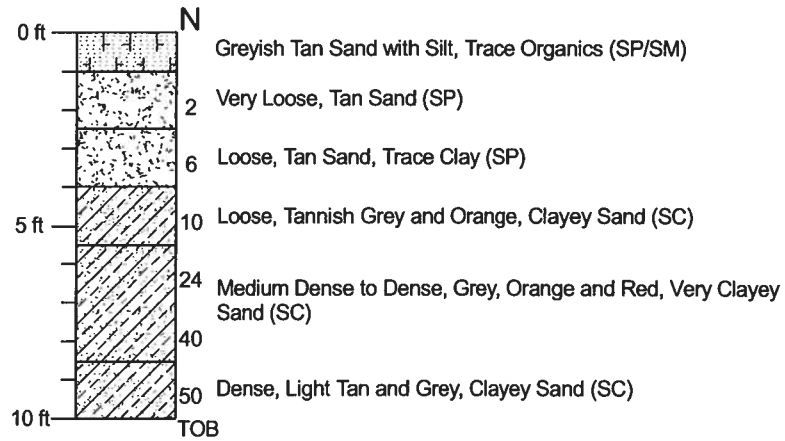
6/30/06  
52612

# B-1

Water Table: N/A

Depth (ft)

Soil Description



PROPOSED MODULAR BUILDINGS  
LAKE CITY CHRISTIAN ACADEMY

## REPORT OF SOIL BORINGS

DRAWN BY:

CHECKED BY:

DATE

JOB NO.

S.C. YOUNG

J.C. DORMAN

6/30/06

06-411

SHEET NO.

1 of 1



## Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

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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

April 14, 2003

Lake City Christian Academy  
Rt. 11, Box 10521  
Lake City, Florida 32024

Attention: Tana Espenship

Reference: Proposed Prefabricated Buildings  
Lake City Christian Academy  
Lake City, Florida  
Cal-Tech Project No. 03-170

Dear Ms. Espenship,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of subgrade soils at the referenced site. Specifically, bearing level soils in a foundation area for one of three prefabricated buildings were investigated. Our work was performed in conjunction with and authorized by you. The purpose of our investigation was to evaluate the existing subgrade soils for an allowable bearing pressure of 2,000 pounds per square foot.

### Site Investigation

The site was investigated by performing one (1) dynamic-cone penetration test and hand-auger boring advanced to a depth of 6 feet. The boring was performed near the center of the proposed construction area. This location was selected on site by you. A site plan was not available.

The dynamic cone penetration test is performed by driving a standard 60 degree cone into the soil by blows from a 15-pound slide-hammer falling 20 inches. The number of blows required to advance the cone 1.75 inches is designated the dynamic cone penetration resistance. This value can be correlated to N-values of the Standard Penetration Test and is an index of soil density or consistency.

Hand-auger borings are performed by manually advancing a 3-inch diameter, metal sleeve into the soil to recover samples from limited depths. Samples are examined for soil type and color.

## Findings

The soil boring generally encountered two soil strata. The first layer consists of about 4 feet of very loose to loose, tannish gray or grayish tan sand (SP) or sand with silt (SP/SM). Equivalent N-values of this layer range from 3 to 10 blows per foot.

The second layer consists of an undetermined thickness of loose to medium dense, tannish gray, orange and red, clayey sand or slightly clayey sand (SC). Equivalent N-values for this layer range from 5 to 16 blows per foot. Groundwater was not encountered at the time of our investigation.

For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Log. On this log values of cone penetration resistance have been converted to equivalent N-values of the Standard Penetration Test.

## Discussion

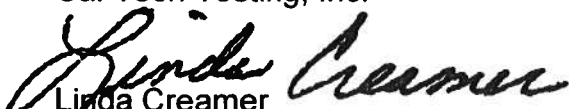
Based upon the results of the soil boring, we have performed a bearing capacity analysis for the subgrade soils at the specific location of the boring. We have assumed a foundation width of 16 inches with the foundation bottom embedded 14 inches below the finished surface grade. We obtained an allowable bearing capacity of about 2,000 pounds per square foot for this foundation with a factor of safety of about 1.0 against a bearing capacity failure.

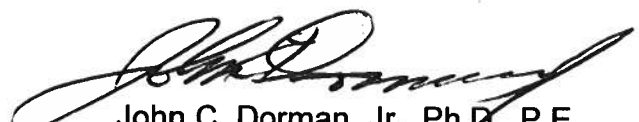
We believe you should consider a minimum factor of safety of about 1.5 and therefore recommend the bottoms of the foundations be embedded a minimum of 16 inches below the finished surface grade. For this placement we obtained a factor of safety of about 1.6 against a bearing capacity failure assuming a foundation width of 16 inches. We also recommend all bearing soils for the proposed foundations be proof-compacted to a minimum of 95% of the Modified Proctor maximum dry density to a depth of 2 feet below the bottoms of the foundations.

Provided suitable foundation width and embedment are provided, it is our opinion the subgrade soils at the area of investigation are suitable for an allowable soil bearing pressure of 2,000 pounds per square foot. Compaction of the bearing soils is recommended.

We appreciate the opportunity to be of service and look forward to a continued association. Please do not hesitate to contact us should you have questions.

Respectfully submitted,  
Cal-Tech Testing, Inc.

  
Linda Creamer  
President / CEO

  
John C. Dorman, Jr., Ph.D., P.E.  
Geotechnical Engineer 4/14/07



## **B-1**

Water Table: N/A

<u>Depth (ft)</u>	<u>Equivalent N-value</u>	<u>Soil Description</u>
0	10	Loose, Dark Tannish Gray SAND with SILT (SP/SM)
1	6	Loose, Light Grayish Tan SAND with SILT (SP/SM)
2	3	Very Loose to Loose, Light Tannish Gray SAND (SP)
3	7	
4	5	Loose, Tannish Gray and Orange, SLIGHTLY CLAYEY SAND (SC)
5	16	Medium Dense, Tannish Gray, Orange and Red, CLAYEY SAND (SC)
6		
6.0 ft. - Termination of Boring		

**Boring Log: Lake City Christian Academy  
Lake City, Florida**



## Cal-Tech Testing, Inc.

- Engineering
- Geotechnical
- Environmental

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Tel. (904) 262-4046 • Fax (904) 262-4047

# 24738

July 27, 2006

Lake City Christian Academy  
3035 S. W. Pinemount Road  
Lake City, Florida 32024

Attention: Tana Espenship

Reference: Prefabricated Buildings  
Lake City Christian Academy  
Lake City, Florida  
Cal-Tech Project No. 06-411

Dear Ms. Espenship,

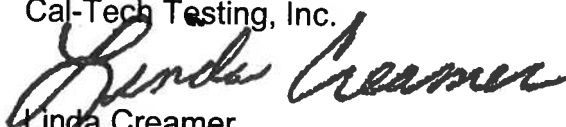
At your request, Cal-Tech Testing, Inc. has performed an investigation of foundation embedment provided for two prefabricated buildings recently placed at the referenced site. The purpose of our work was to determine if embedment provided for isolated footings used for the structures was sufficient to provide the required allowable bearing pressure of 2,000 pounds per square foot. Additionally, recommendations were to be provided as appropriate.


### Investigation

Both structures were investigated, and embedment was found to vary from about 12 to 14 inches. Based upon the subsurface conditions previously determined, the foundations used, and embedment of 12 to 14 inches, we obtained an allowable bearing pressure of 2,000 pounds per square foot with factors of safety on the order of 1.3 to 1.4. Based upon this finding, it is our opinion the foundations used are sufficient to provide the required support for the structures. We recommend all foundation excavations be backfilled to grade following placement of the utilities.

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 of further assistance.

Respectfully submitted,  
Cal-Tech Testing, Inc.

  
Linda Creamer  
President / CEO

  
John C. Dorman, Jr., Ph.D., P.E.  
Geotechnical Engineer

7/27/06  
52612

24734  
24739

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

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

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

Tax Parcel ID Number R02792-003

PERMIT NUMBER 000024738  
000024739

1. Description of property: (legal description of the property and street address or 911 address)  
07-45-16 6200/6200 22.04 Acres Comm NE Cor,  
run S 56.08 ft to SW R/W CR-252, run w along R/W  
160.1 ft for POB, S. 1270.51 ft to S R/W of CR-252  
E-684.42 ft to POB, ORB 841-769
2. General description of improvement: 3 modular buildings set up  
as classrooms
3. Owner Name & Address Lake City Christian Academy  
3035 S.W. Pinemount L.C. FL 32024 Interest in Property School
4. Name & Address of Fee Simple Owner (if other than owner): Tara Espenshiep  
Board President
5. Contractor Name O'Neal Contracting Inc Phone Number (386) 752-7578  
Address P.O. Box 3515, Lake City, FL 32050
6. Surety Holders Name NA Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Amount of Bond NA Inst: 2006016720 Date: 07/13/2006 Time: 11:11  
DC, P. DeWitt Cason, Columbia County B: 1089 P: 1798
7. Lender Name \_\_\_\_\_  
Address \_\_\_\_\_
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 713.13 (1)(a) 7; Florida Statutes:  
Name Tara Espenshiep Phone Number 386-623-4024  
Address 2903 S.W. Pinemount Road Lake City, FL 32024
9. In addition to himself/herself the owner designates \_\_\_\_\_ of \_\_\_\_\_  
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -  
(a) 7. Phone Number of the designee \_\_\_\_\_
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,  
(Unless a different date is specified) \_\_\_\_\_

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

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

Tara Espenshiep  
Signature of Owner

Driver's License # E215-804-59-919-0

Sworn to (or affirmed) and subscribed before  
Bth day of July, 20 06

NOTARY STAMP/SEAL

Cindy Edge  
Signature of Notary



Cindy Edge  
Commission # DD308375  
Expires July 20, 2008  
Bonded Troy Fahn - Insurance, Inc. 800-385-701

NOTICE OF COMMENCEMENT FORM  
COLUMBIA COUNTY, FLORIDA

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

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

Tax Parcel ID Number 1202792-003 PERMIT NUMBER 000024738  
000024739

1. Description of property: (legal description of the property and street address or 911 address)  
07-45-116 6200/6200 22.04 Acres Comm NE Cor,  
run S 56.08 ft to SR R/W CR-252, run W along R/W  
160.1 ft for POB, S. 1270.51 ft to S R/W of CR-252  
E-684.42 ft to POB, ORB 841-769
2. General description of improvement: 3 modular buildings set up  
as classrooms
3. Owner Name & Address Lake City Christian Academy  
3035 S.W. Pinemount LC, FL 32024 Interest in Property School
4. Name & Address of Fee Simple Owner (if other than owner): Tana Espensh  
Board President
5. Contractor Name O'Neal Contracting Inc Phone Number (386) 752-7518  
Address P.O. Box 3515, Lake City, FL 32056
6. Surety Holders Name NA Phone Number \_\_\_\_\_  
Address \_\_\_\_\_  
Amount of Bond NA Inst: 2006016720 Date: 07/13/2006 Time: 11:11  
DC, P. DeWitt Cason, Columbia County B: 1089 P: 1798
7. Lender Name \_\_\_\_\_  
Address \_\_\_\_\_
8. Persons within the State of Florida designated by the Owner upon whom notices or other documents may be served as provided by section 718.13 (1)(a) 7; Florida Statutes:  
Name Tana Espensh Phone Number 386-623-4024  
Address 2903 S.W. Pinemount Road Lake City, FL 32024
9. In addition to himself/herself the owner designates \_\_\_\_\_ of \_\_\_\_\_  
to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) -  
(a) 7. Phone Number of the designee \_\_\_\_\_
10. Expiration date of the Notice of Commencement (the expiration date is 1 (one) year from the date of recording,  
(Unless a different date is specified) \_\_\_\_\_

**NOTICE AS PER CHAPTER 713, Florida Statutes:**

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

Tana Espensh  
Signature of Owner

Driver's License # E215-804-59-919-0

Sworn to (or affirmed) and subscribed before  
day of July, 20 06

NOTARY STAMP/SEAL

Cindy Edge  
Signature of Notary



Cindy Edge  
Commission # DD308375  
Expires July 20, 2008  
Bonded Troy Fahn - Insurance, Inc. 800-366-701

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION  
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME MDS006052  
ADDRESS: \_\_\_\_\_  
OWNER: GE CAPITAL MODULAR SPACE  
AGENT: \_\_\_\_\_PERMITTING OFFICE:  
DUVAL COUNTY  
CLIMATE ZONE: 3  
PERMIT NO: \_\_\_\_\_  
JURISDICTION NO: 261000BUILDING TYPE: Educational  
CONSTRUCTION CONDITION: New construction  
DESIGN COMPLETION: Finished Building  
CONDITIONED FLOOR AREA: 1260 NUMBER OF ZONES: 1  
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: 3

## COMPLIANCE CALCULATION:

METHOD B	DESIGN	CRITERIA	RESULT
-----	-----	-----	-----
ENVELOPE PERFORMANCE	38.59	68.08	PASSES
OTHER ENVELOPE REQUIREMENTS			PASSES
LIGHTING			
INTERIOR LIGHTING	87.60	1463.12	PASSES
LIGHTING CONTROL REQUIREMENTS			PASSES
HVAC EQUIPMENT			
COOLING EQUIPMENT			
1. SEER	10.00	9.70	PASSES
HEATING EQUIPMENT			
1. Et	1.00		N/A
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS			
1. Ventilated	6.00	6.00	PASSES
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT			
1. EF	1.50	0.92	PASSES
PIPING INSULATION REQUIREMENTS			
1. Non-Circulating w/o H	1.00	1.00	PASSES

## COMPLIANCE CERTIFICATION:

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

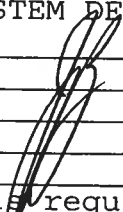
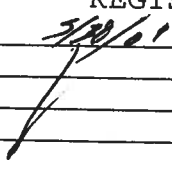
PREPARED BY: \_\_\_\_\_  
DATE: 3/30/06

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

OWNER/AGENT: \_\_\_\_\_  
DATE: 3/30/06Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Efficiency Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, Florida Statutes.  
BUILDING OFFICIAL: \_\_\_\_\_  
DATE: 3/30/06



I hereby certify(\*) that the system design is in compliance with the Florida Energy Efficiency Code.

	SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :		
MECHANICAL:		
PLUMBING :		
ELECTRICAL:		
LIGHTING :		

(\*) Signature is required where Florida law requires design to be performed by registered design professionals. Typed names and registration numbers may be used where all relevant information is contained on signed/sealed plans.  
=====

## COMPLIANCE CHECK

## MECHANICAL SYSTEMS

				CHECK
HVAC load sizing has been performed. (407.1.ABCD)				
407.	-----COOLING SYSTEMS-----			
	Type	No	Efficiency	IPLV Tons
1.	Single Package	2	10.0	0.0 3.00
408.	-----HEATING SYSTEMS-----			
	Type	No	Efficiency	BTU/hr
1.	Electric Resistance	2	1.0	35000
409.	-----VENTILATION-----			
Ventilation Criteria in 409.1.ABCD have been met.				CHECK

## 410.-----AIR DISTRIBUTION SYSTEM-----

CHECK

Duct sizing and design have been performed. (410.1.ABCD)

AHU Type

Duct Location

R-value

1. Packaged Constant Volume

Ventilated

6

CHECK

Testing and balancing will be performed. (410.1.ABCD)

## 411.-----PUMPS AND PIPING-ZONE-----

Basic prescriptive requirements in 411.1.ABCD have been met.

## PLUMBING SYSTEMS

## 411.-----PUMPS AND PIPING-ZONE 1-----

Type

R-value/in

Diameter

Thickness

1. Non-Circulating w/o Heat

3.63

0.75

1.0

## 412.-----WATER HEATING SYSTEMS-ZONE 1-----

Type

Efficiency

StandbyLoss

InputRate

Gallons

1. &lt;=12 kW

1.5

0.0

3.5

6

## ELECTRICAL SYSTEMS

## 413.-----ELECTRICAL POWER DISTRIBUTION-----

CHECK

Metering criteria in 413.1.ABCD have been met.

## 414.-----MOTORS-----

Motor efficiencies in 414.1.ABCD have been met.

## 415.-----LIGHTING SYSTEMS-ZONE 1-----

Space Type

No

Control Type 1

No

Control Type 2

No

Watts

Area(Sqft)

Reading, T

1

On/Off

2

None

00

88

678

Total Watts for Zone 1 =

88

Total Area for Zone 1 =

678

Total Watts =

88

Total Area =

678

CHECK

Lighting criteria in 415.1.ABCD have been met.

16. Operation/maintenance manual will be provided to owner.(102.1)