DATE 06/15/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024630

APPLICANT JACK ESPENSHIP PHONE 758.0055

ADDRESS 2915 OLD BAYA AVE LAKE CITY FL 32024

OWNER LAKE CITY CHRISTIAN ACADEMY PHONE SAME

ADDRESS 3035 SW PINEMOUNT ROAD LAKE CITY FL 32024

CONTRACTOR JACK ESPENSHIP PHONE 758-3018

LOCATION OF PROPERTY C-252 JUST BEFORE JOY EXPLOSION CHURCH

TYPE DEVELOPMENT MODULAR ESTIMATED COST OF CONSTRUCTION 0.00

HEATED FLOOR AREA _____ TOTAL AREA _____ HEIGHT _____ STORIES 1

FOUNDATION _____ WALLS _____ ROOF PITCH _____ FLOOR _____

LAND USE & ZONING A-3 MAX. HEIGHT 13

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

NO. EX.D.U. 11 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 07-4S-16-02792-003 SUBDIVISION _____

LOT _____ BLOCK _____ PHASE .00 UNIT 0 TOTAL ACRES _____

		CGC006017	Jack Espenship	
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	06-536-E	BK	JH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD

Check # or Cash 12199

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 Gale Tedder 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

Revised 9-23-0

For Office Use Only Application # 0606-40 Date Received 6/14 By JM Permit # 24630

Application Approved by - Zoning Official BLK Date 14.06.06 Plans Examiner OKJH Date 6-14-06

Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3

Comments Special Exception 0215 See CAL-Tech Testing letter in builder letter box

Applicants Name JOHN "JACK" ESPENSHIP Fax: 386-758-0055 Phone 386-758-3018

Address 2715 Old Baya Ave, Lot 1 Lake City, FL 32055

Owners Name L.C. Chisholm Acreage Phone same

911 Address 3035 SW Pinemount Rd, LC, FL 32024

Contractors Name Jack Espenship Phone 386-752-1824

Address 2715 Old Baya Ave Lake City, FL 32055

Fee Simple Owner Name & Address

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address John A Bidziack 3637 4th St North St. Petersburg, FL 33704 License # AR-0005065

Mortgage Lenders Name & Address N/A

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

Property ID Number 07-4S-16-02792-003 Estimated Cost of Construction 11,350.00

Subdivision Name N/A Lot ____ Block ____ Unit ____ Phase ____

Driving Directions Go down Pinemount Road 4 miles on the left

Type of Construction Modular Building Number of Existing Dwellings on Property 11

Total Acreage 20 Lot Size ____ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Driv

Actual Distance of Structure from Property Lines - Front 231 Side 50 Side 520 Rear 420

Total Building Height 13' 6" Number of Stories 1 Heated Floor Area 840 Roof Pitch 3/12 275.00

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.

Tara Espenship
Owner Builder or Agent (including Contractor)

Jack Espenship
Contractor Signature

Contractors License Number CGC 006017

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me this 13th day of June 2006.

Personally known ____ or Produced Identification ____

Notary Signature

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

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.

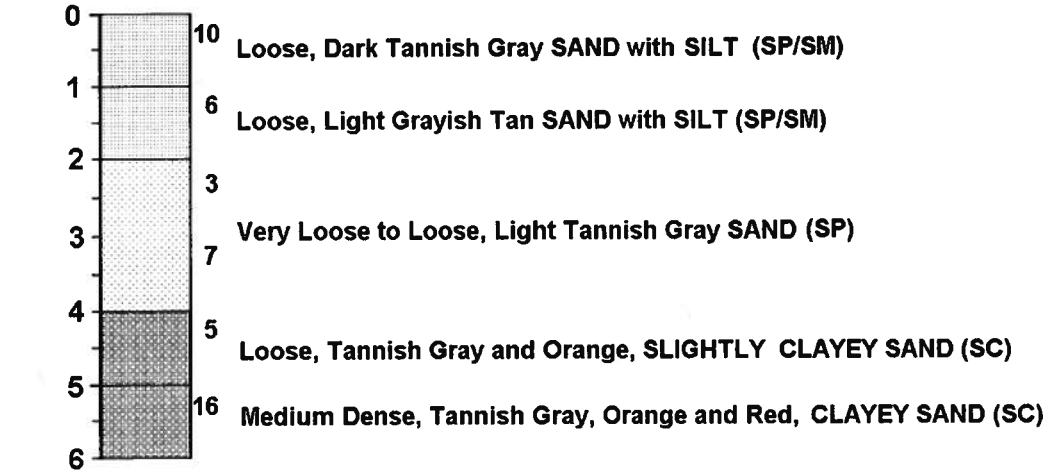
Respectfully submitted,
Cal-Tech Testing, Inc.

Linda Creamer
President / CEO

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

B-1

Water Table: N/A



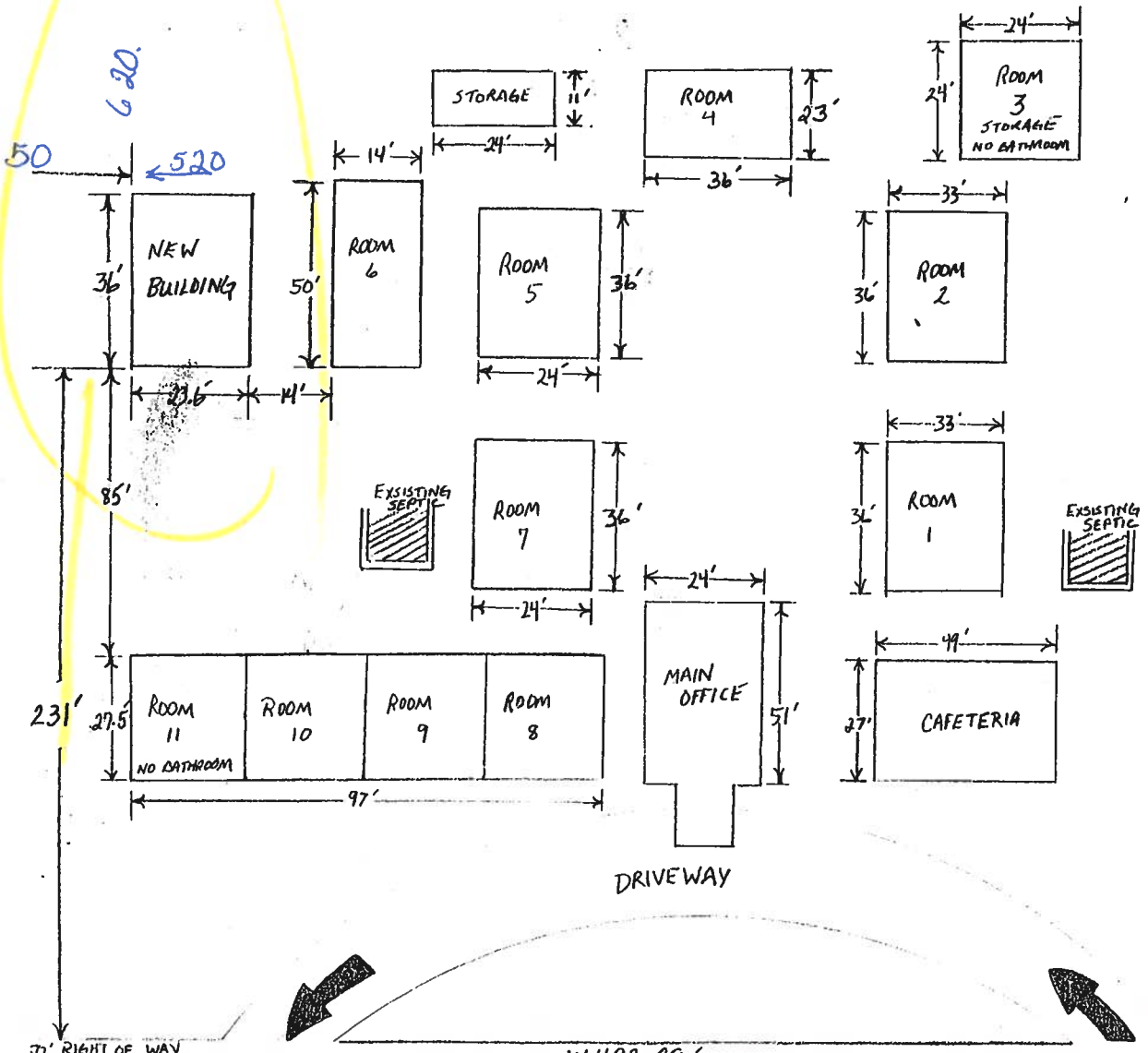
6.0 ft. - Termination of Boring

Boring Log: Lake City Christian Academy
Lake City, Florida

Lake City Christian Academy

SITE PLAN "NOT" TO SCALE

E 492.09'



04-0536

RECEIVED

STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 06-0536-E

PART II - SITE PLAN

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

06-0536-E

Notes: See Attached

Site Plan submitted by: Ian Eyre (Signature) _____ (Title)

Plan Approved ✓ Not Approved _____ Date 6-7-06

By _____ Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Display Device . . . . . : W8
User . . . . . : ENVIRON

CAM112M01 S CamaUSA Appraisal System Columbia County
6/26/2000 14:39 Legal Description Maintenance 1000 Land 001
Year T Property Sel 3526 AG 001
2000 R 07-4S-16-02792-003 Bldg 000
35520 Xfea 002
LAKE CITY CHRISTIAN ACADEMY IN 40046 TOTAL B

1	COMM NE COR, RUN S 56.08 FT TO S R/W CR-252, RUN W ALONG R/W	2
3	60.01 FT FOR POB, S 1270.51 FT, W 684.42 FT, N 1275.43 FT	4
5	TO S R/W OF CR-252, E 684.42 FT TO POB. ORB 841-769,	6
7		8
9		10
11		12
13		14
15		16
17		18
19		20
21		22
23		24
25		26
27		28

Mnt 10/14/1997 TERR

F1=Help F3=Exit F4=Prompt F10=GoTo PGUP/PGDN F24=MoreKeys

24630

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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

24739

Component Performance Method for Commercial Buildings — Form 400B-97

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Florida Department of Community Affairs

FLA/COM-97 Version 2.2

PROJECT NAME: MDS005209
ADDRESS: _____
OWNER: GE CAPITAL MODULAR SPACE
AGENT: _____

PERMITTING OFFICE: DUVAL COUNTY
CLIMATE ZONE: 3
PERMIT NO: _____
JURISDICTION NO: 261000

BUILDING TYPE: Educational
CONSTRUCTION CONDITION: New construction
DESIGN COMPLETION: Finished Building
CONDITIONED FLOOR AREA: 840 NUMBER OF ZONES: 1
MAX. TONNAGE OF EQUIPMENT PER SYSTEM: ____ 3

COMPLIANCE CALCULATION:

METHOD B	DESIGN	CRITERIA	RESULT
ENVELOPE PERFORMANCE	62.85	72.11	PASSES
OTHER ENVELOPE REQUIREMENTS			PASSES
LIGHTING	175.20	518.03	PASSES
INTERIOR LIGHTING	0.00	75.00	PASSES
EXTERIOR LIGHTING			PASSES
LIGHTING CONTROL REQUIREMENTS			
HVAC EQUIPMENT			
COOLING EQUIPMENT	10.00	9.70	PASSES
1. SEER			
HEATING EQUIPMENT	1.00		N/A
1. Et			
AIR DISTRIBUTION SYSTEM INSULATION REQUIREMENTS	6.00	6.00	PASSES
1. Ventilated			
REHEAT SYSTEM TYPES USED			
NO REHEAT SYSTEM is USED			
WATER HEATING EQUIPMENT	1.50	0.92	PASSES
1. EF			
PIPING INSULATION REQUIREMENTS	1.00	1.00	PASSES
1. Non-Circulating w/o H			

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: 6/4/07

I hereby certify that this building is in compliance with the Florida Energy Efficiency Code.
OWNER/AGENT: _____
DATE: 6/4/07

Review 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: _____

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

SYSTEM DESIGNER	REGISTRATION/STATE
ARCHITECT :	AR0005061
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.

==========

BUILDING ENVELOPE SYSTEMS

COMPLIANCE CHECK

401.------GLAZING--ZONE 1

Elevation	Type	U	SC	VLT	Shading	Area(Sqft)
North	Commercial	1.13	1.0	1.0	None	18
West	Commercial	1.13	1.0	1.0	None	1
West	Commercial	1.13	1.0	1.0	None	26
East	Commercial	1.13	1.0	1.0	None	9
East	Commercial	1.13	1.0	1.0	None	80
					Total Glass Area in Zone 1 =	134
					Total Glass Area =	134

402.------WALLS--ZONE 1

Elevation	Type	U	Insul R	Gross(Sqft)
East	Frame Wall + 3" InS.	0.081	0.0	396
West	Frame Wall + 3" InS.	0.081	0.0	396
North	Frame Wall + 3" InS.	0.081	0.0	210
South	Frame Wall + 3" InS.	0.081	0.0	210
			Total Wall Area in Zone 1 =	1212
			Total Gross Wall Area =	1212

403.------DOORS--ZONE 1

Elevation	Type	U	Area(Sqft)
East	0.0 STORE FRONT	1.13	0
West	1-3/4 Steel Door-Paper Honeycomb core	0.56	19
	Total Door Area in Zone 1 =		19
	Total Door Area =		19

404.------ROOFS--ZONE 1

Type	Color	U	Insul R	Area(Sqft)
STD. TRUSS	Light	.0526	19	1027
	Total Roof Area in Zone 1 =			1027
	Total Roof Area =			1027

405.------FLOORS-ZONE 1

Type	Insul R	Area(Sqft)
Floor over Unconditioned Space/Insulated	11	1027
Total Floor Area in Zone 1 =		1027
Total Floor Area =		1027

406.------INFILTRATION

	CHECK
Infiltration Criteria in 406.1.ABCD have been met.	

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

	CHECK
Ventilation Criteria in 409.1.ABCD have been met.	

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. <=12 kW	1.5	0.0	3.5	6

ELECTRICAL SYSTEMS

	CHECK
413.-----ELECTRICAL POWER DISTRIBUTION----------	
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	175	140
				Total Watts for Zone 1 =			175
				Total Area for Zone 1 =			140
				Total Watts =			175
				Total Area =			140

	CHECK
Lighting criteria in 415.1.ABCD have been met.	
16. Operation/maintenance manual will be provided to owner. (102.1)	