DATE 01/18/2006

Columbia County Building Permit

This Permit Expires One Year From the Date of Issue

PERMIT
000024045

APPLICANT RENNY EADIE PHONE 755.2458

ADDRESS 516 NW WALDO STREET LAKE CITY FL 32055

OWNER RENNY EADIE/COLUMBIA READY-MIX CONCRETE PHONE 755.2458

ADDRESS 516 NW WALDO STREET LAKE CITY FL 32055

CONTRACTOR COLUMBIA READY MIX CONCRETE PHONE 755.2458

LOCATION OF PROPERTY US 41-N TO WALDO STREET TO COLUMBIA READY MIX BUILDING

TYPE DEVELOPMENT DISPATCH BLDG ESTIMATED COST OF CONSTRUCTION 22000.00

HEATED FLOOR AREA 728.00 TOTAL AREA HEIGHT 21.00 STORIES 2

FOUNDATION CONC WALLS FRAMED ROOF PITCH 10'12 FLOOR CONC

LAND USE & ZONING I MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT REAR SIDE

NO. EX.D.U. 5 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 19-3S-17-05139-003 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 3.00

		OWNER		
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor	
EXISTING	05-1285-E	BLK	JTH	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: REPLACING EXISTING DISPATCH BLVD.

ONE FOOT ABOVE ROAD

Check # or Cash 2691

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 $ 110.00 CERTIFICATION FEE $ 0.00 SURCHARGE FEE $ 0.00

MISC. FEES $ [illegible] ZONING CERT. FEE $ 50.00 FIRE FEE $ 0.00 WASTE FEE $

FLOOD DEVELOPMENT FEE $ FLOOD ZONE FEE $ 25.00 CULVERT FEE $ **TOTAL FEE** 185.00

INSPECTORS OFFICE CLERKS OFFICE CW

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 9-23-04

For Office Use Only Application # 0512-43 Date Received 12/19/05 By GP Permit # 24045

Application Approved by - Zoning Official BLK Date 10.01.06 Plans Examiner OK JTH Date 1-03-06

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

Comments Replacing Existing Dispatch Bld.

Applicants Name Columbia Ready-Mix Concrete, Inc. Phone 755-2458 961-1727

Address 516 NW Waldo St. Lake City, Fla. 32055

Owners Name Benny Eadie Phone 755-2458

911 Address P.O. Box 2101 Lake City, Fla. 32055

Contractors Name Owner/Builder, Benny Eadie Phone 755-2458

911 Address 516 NW Waldo St. Lake City, Fla. 32055

Fee Simple Owner Name & Address Benny Eadie

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address William H. Freeman, 161 NW Madison St. Lake City Fla 32058

Mortgage Lenders Name & Address N/A

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

Property ID Number 19-35-17-05139-003 Estimated Cost of Construction $22,000

Subdivision Name — Lot ___ Block ___ Unit ___ Phase ___

Driving Directions North on US 41, Right on Waldo St.

Type of Construction Frame, Vinyl siding dispatch house Number of Existing ~~Dwellings~~ buildings on Property 5

Total Acreage 3 Lot Size — Do you need a - Culvert Permit or Culvert Waiver or **Have an Existing Drive** (circled)

Actual Distance of Structure from Property Lines - Front 150' Side 75 Side 350 Rear 150

Total Building Height 21 Number of Stories 2 Heated Floor Area 728 Roof Pitch 10/12

TOTAL 1049

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.

[signature]

Owner Builder or Agent (Including Contractor)

Contractor Signature

Contractors License Number

Competency Card Number

NOTARY STAMP/SEAL

STATE OF FLORIDA

COUNTY OF COLUMBIA

DALE R. BURD
Commission # DD0134600
Expires 7/16/2006
Bonded through
(800-432-4254) Florida Notary Assn., Inc.

Sworn to (or affirmed) and subscribed before me

this 19 day of DEC 2005.

Personally known ✓ or Produced Identification ____

[signature]

Notary Signature

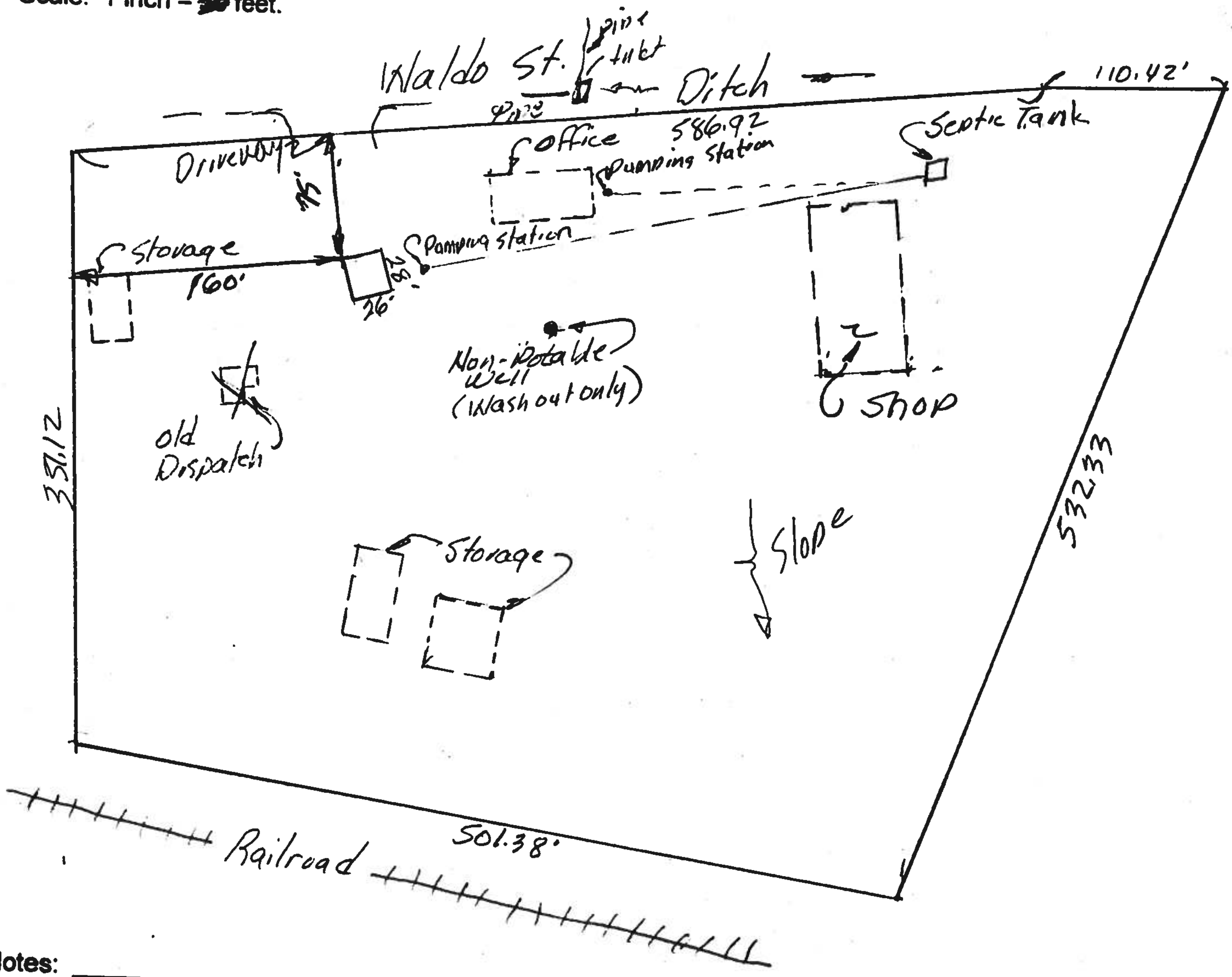
2691

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION F0R ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 05-1285E

---------------------------- PART II - SITEPLAN ----------------------------

Scale: 1 inch = 100' feet.



Notes: ____

Site Plan submitted by: Huey Hawkins 12-26-05 MASTER CONTRACTOR

Plan Approved X Not Approved ______ Date 1-3-06

By Sallie Graddy . ESI - COLUMBIA County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

4015, 10/96 (Replaces HRS-H Form 4016 which may be used)
Stock Number: 5744-002-4015-6)

DISCLOSURE STATEMENT

FOR OWNER/BUILDER WHEN ACTING AS THER OWN CONTRACTOR AND CLAIMING EXEMPTION OF CONTRACTOR LICENSING REQUIREMENTS IN ACCORDANCE WITH FLORIDA STATUTES, ss. 489.103(7).

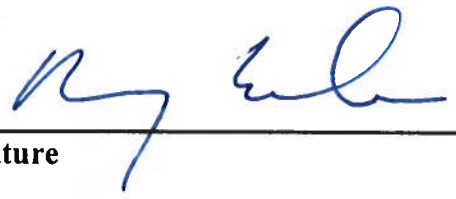
State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed $25,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F .I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

TYPE OF CONSTRUCTION

( ) Single Family Dwelling
( ) Two-Family Residence
( ) Farm Outbuilding
( ) Other_____
(✓) New Construction
( ) Addition, Alteration, Modification or other Improvement

NEW CONSTRUCTION OR IMPROVEMENT

I Benny Eadie , have been advised of the above disclosure statement for exemption from contractor licensing as an owner/builder. I agree to comply with all requirements provided for in Florida Statutes ss.489.103(7) allowing this exception for the construction permitted by Columbia County Building Permit Number_____



Signature 12- -05
Date

FOR BUILDING USE ONLY

I hereby certify that the above listed owner/builder has been notified of the disclosure statement in Florida Statutes ss 489.103(7).

Date_____ Building Official/Representative_____

KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES
4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 • FAX/377-7158

December 1, 2005

Mr. Renny Eadie
Columbia Ready-Mix Concrete, Inc.
Post Office Box 2101
Lake City, FL 32056-2101

SUBJECT: Stormwater Permit
FDEP Permit Coverage Identification Number: FLG110304-IWCB

Dear Renny:

As we discussed earlier, the Water Management District does not handle stormwater permits for any concrete batch plants that are covered by Rule 62-621.300(3)(a), F.A.C., *Generic Permit for Discharges from Concrete Batch Plants*.

This permit provides specific design and operation requirements for discharges from wastewater and stormwater management systems at concrete batch plants. This permit is issued under the provisions of Section 403.0885 and Part IV of Chapter 373, Florida Statutes, and applicable rules of the Florida Administrative Code and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System (NPDES). Until this permit expires, is terminated, modified or revoked, permittees that have properly obtained coverage under this permit are authorized to construct and operate facilities and discharge to ground and surface waters of the state in accordance with the terms and conditions of this permit.

Your facility has had coverage under this permit for over five years, and the renewal authorization has been approved by:

Ed Cordova, P.E.
Supervisor, Wastewater Permitting
Northeast District – Industrial Wastewater Section
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7590

The facility has been designed for complete impervious cover except for the detention basin. The change in the dispatch building will have no effect on the permit, and the Water Management District has delegated their requirements to the DEP for concrete plants.

Sincerely,

SEAL

Steven C. Cullen, P.E.
Koogler & Associates

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22 FORM 400A-2001

Whole Building Performance Method for Commercial Buildings

Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)

Short Desc: New Prj
Owner: Reny Eadie
Address:
West Hwy 90
City: Lake City
State: FL
Zip: 32055

Project: Columbia Ready Mix Batch Plant

Type: Office (Business)
Class: New Finished building

PermitNo: 0
Storeys: 1

GrossArea: 889
Net Area: 889

Max Tonnage: 2 (if different, write in)

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	82.52	100.00	**PASSES**
Other Envelope Requirements - A			**PASSES**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**PASSES**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**PASSES**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT NOTE: An input report Print-Out from EnergyGauge FlaCom of this design building must be submitted along with this Compliance Report.

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:** William H. Freeman **DATE:** 12/20/05 I hereby certify that this building is in compliance with the Florida Energy Efficiency Code. **OWNER AGENT:** Eddie Accardie **DATE:**	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S. **BUILDING OFFICIAL:** **DATE:**

If required by Florida law, I hereby certify (*) that the system design is in compliance with the Florida Energy Code.

		REGISTRATION No.
ARCHITECT :	**William H. Freeman**	**PE #56001**
ELECTRICAL SYSTEM DESIGNER:		
LIGHTING SYSTEM DESIGNER:		
MECHANICAL SYSTEM DESIGNER:		
PLUMBING SYSTEM DESIGNER:		

(*) 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.

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

Whole Building Compliance

	Design	Reference
Total	*82.52*	*100.00*
ELECTRICITY	82.52	100.00
AREA LIGHTS	12.62	25.83
MISC EQUIPMT	14.95	14.95
PUMPS & MISC	0.39	0.39
SPACE COOL	17.48	21.75
VENT FANS	37.09	37.09

Credits & Penalties (if any): Modified Points: = 82.53 **PASSES**

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes

Meets Other Envelope Requirements

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Exit (with or without Canopy)	25.00	10.0	250	250

Design: 250 (W)
Allowance: 250 (W)

PASSES

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli-ance
Pr0Zo1Sp1	36	Common Activity Areas - Computer/Office Equipment	144	1	4	4	PASSES
Pr0Zo1Sp2	36	Common Activity Areas - Computer/Office Equipment	91	1	6	6	PASSES
Pr0Zo1Sp3	13	Toilet and Washroom	40	1	2	2	PASSES
Pr0Zo1Sp4	46	Storage & Warehouse - Fine Active Storage	144	1	4	4	PASSES

PASSES

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

System Report Compliance

Pr0Sy1 System 1 — Constant Volume Air Cooled Split System < 65000 Btu/hr — No. of Units 1

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		10.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance

None

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance

None

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance

None

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CIT

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	☐
System	407.1	HVAC Load sizing has been performed	☐
Ventilation	409.1	Ventilation criteria have been met	☐
ADS	410.1	Duct sizing and Design have been performed	☐
T & B	410.1	Testing and Balancing will be performed	☐
Electrical	413.1	Metering criteria have been met	☐
Motors	414.1	Motor efficiency criteria have been met	☐
Lighting	415.1	Lighting criteria have been met	☐
O & M	102.1	Operation/maintenance manual will be provided to owner	☐
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	☐
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	☐

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

INPUT DATA REPORT

Project Information

Project Name: New Prj

Project Title: Columbia Ready Mix Batch Plant

Address: West Hwy 90

State: FL

Zip: 32055

Owner: Reny Eadie

Orientation: North

Building Type: Office (Business)

Building Classification: New Finished building

No.of Storeys: 1

GrossArea: 889

Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	Uses Building Load Profile	889.0	1	889.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	
In Zone: Pr0Zo1										
1	Pr0Zo1Sp1	Office Space	Common Activity Areas - Computer/Office Equipment	12.00	12.00	9.00	2	288.0	2592.0	☐
2	Pr0Zo1Sp2	Zo1Sp2	Common Activity Areas - Computer/Office Equipment	7.00	13.00	9.00	3	273.0	2457.0	☐
3	Pr0Zo1Sp3	Zo1Sp3	Toilet and Washroom	5.00	8.00	9.00	1	40.0	360.0	☐
4	Pr0Zo1Sp4	Zo1Sp4	Storage & Warehouse - Fine Active Storage	12.00	12.00	8.00	2	288.0	2304.0	☐

Lighting

No	Type	Power [W]	Control Type	No.of Ctrl pts	
In Zone: Pr0Zo1					
In Space: Pr0Zo1Sp1					
1	Compact Fluorescent	100.00	Manual On/Off	2	☐
In Space: Pr0Zo1Sp2					
1	Compact Fluorescent	100.00	Manual On/Off	2	☐
In Space: Pr0Zo1Sp3					
1	Incandescent	30.00	Manual On/Off	2	☐
In Space: Pr0Zo1Sp4					
1	Incandescent	100.00	Manual On/Off	2	☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone: Pr0Zo1											

1	North Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	26.00	9.00	1	234.0	North	0.2642	9.6960	62.72	3.79
2	East Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	28.00	9.00	1	252.0	North	0.2642	9.6960	62.72	3.79
3	South Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	26.00	9.00	1	234.0	North	0.2642	9.6960	62.72	3.79
4	West Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	28.00	9.00	1	252.0	North	0.2642	9.6960	62.72	3.79

Windows

No	Description	Type	Shaded	UCen [Btu/hr sf F]	SC	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]
In Zone: Pr0Zo1										
In Wall: Pr0Zo1Wa1										
1	Pr0Zo1Wa1Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	4.50	4.00	2	36.0
In Wall: Pr0Zo1Wa2										
1	Pr0Zo1Wa2Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	4.50	4.00	2	36.0
2	Pr0Zo1Wa2Wi2	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	3.00	4.00	1	12.0
In Wall: Pr0Zo1Wa3										
1	Pr0Zo1Wa3Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	4.50	4.00	2	36.0

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]
In Zone: Pr0Zo1											
In Wall: Pr0Zo1Wa1											

1	Pr0Zo1Wa1Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	7.00	1	21.0	0.1919	43.67	0.53	5.21	☐
In Wall:	**Pr0Zo1Wa3**											
1	Pr0Zo1Wa3Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	7.00	1	21.0	0.1919	43.67	0.53	5.21	☐
In Wall:	**Pr0Zo1Wa4**											
1	Pr0Zo1Wa4Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	7.00	5	21.0	0.1919	43.67	0.53	5.21	☐

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]	
In Zone:	**Pr0Zo1**											
1	Pr0Zo1Rf1	Shngl/1/2"WD Deck/WD Truss/6"Batt/Gyp Brd	28.00	26.00	1	728.0	0.00	0.0471	1.40	10.89	21.24	☐

Skylights

No	Description	Type	UCen [Btu/hr sf F]	Shading Coeff	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]
In Zone:										
In Roof:										

☐

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone:	**Pr0Zo1**									

1	Pr0Zo1Fl1	Concrete floor, carpet and rubber pad	28.00	26.00	1	728.0	0.5987	9.33	140.00	1.67
2	Pr0Zo1Fl2	Ceiling, exposed to attic, R-20 cellulose	12.00	26.00	1	312.0	0.0470	0.87	6.92	21.29

Systems

Pr0Sy1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. Of Units 1**

Component	Category	Capacity	Efficiency	IPLV
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)	24000.00	10.00	8.00
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	800.00	0.80	

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV

Water Heaters

W-Heater Description	Capacit	Cap.Unit	I/P Rt.	Efficienc	Loss

Ext-Lighting

	Description	Categories.	Area/Len/No. of units [sf/ft/No]	Wattage [W]
1	Ext Light 1	Exit (with or without Canopy)	10.00	250.00

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
						☐

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SC	VLT	Frame Conductance [Btu/h.sf.F]	Frame Absorptance	
ApLbWnd6	DOUBLE CLEAR IG	2	0.6514	0.8800	0.8120	0.4340	0.7000	☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
18	Matl18	2 in. Wood	No	2.3857	0.1670	0.0700	37.00	0.3900	☐
264	Matl264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
214	Matl214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900	☐
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	☐
206	Matl206	CELLULOSE,FILL,5.5IN,R-20	No	20.8318	0.4583	0.0220	3.00	0.3300	☐
151	Matl151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000	☐
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐

123	Matl123	CONC BLOCK MW,8IN,HOLLOW	No	1.7227	0.6667	0.3870	53.00	0.2000	☐
159	Matl159	CONC HW-UNDRD-140LB-4IN	No	0.3202	0.3333	1.0410	140.00	0.2000	☐
57	Matl57	3/4 in. Plaster or gypsum	No	0.1488	0.0625	0.4200	100.00	0.2000	☐
72	Matl72	AIR LAYER, 3/4IN OR LESS, VERT. WALLS	Yes	0.9000					☐
267	Matl267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000	☐
266	Matl266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000	☐
215	Matl215	POLYSTYRENE, EXP., 2IN,	No	8.3350	0.1667	0.0200	1.80	0.2900	☐
105	Matl105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000	☐
256	Matl256	WOOD, SOFT, 1-1/2IN	No	1.8939	0.1250	0.0660	32.00	0.3300	☐
268	Matl268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000	☐
42	Matl42	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000	☐
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	☐
86	Matl86	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	☐
211	Matl211	POLYSTYRENE,EXP.,1/2IN,	No	2.0850	0.0417	0.0200	1.80	0.2900	☐
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
218	Matl218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	☐
272	Matl272	Panel with 7/16" panels	Yes	0.9044					☐
273	Matl273	Hollow core flush (1.375")	Yes	1.2777					☐
274	Matl274	Solid core flush (1.375")	Yes	1.7141					☐
275	Matl275	Panel with 7/16" panels (1.375")	Yes	1.0019					☐
276	Matl276	Hollow core flush (1.75")	Yes	1.3239					☐
277	Matl277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					☐
278	Matl278	Solid core flush (1.75")	Yes	1.6500					☐
279	Matl279	Solid core flush (2.25")	Yes	2.8537					☐
280	Matl280	Fiberglass/Mineral wool core	Yes	0.8167					☐
281	Matl281	Paper Honeycomb core	Yes	0.9357					☐

282	Matl282	Solid Urethane foam core	Yes	1.6500					☐
283	Matl283	Solid mineral fiberboard core	Yes	1.7816					☐
284	Matl284	Polystyrene core (18 ga steel) 1	Yes	2.0071					☐
285	Matl285	Polyurethane core (18 ga steel) 2	Yes	2.5983					☐
286	Matl286	Polyurethane core (24 ga steel) 1	Yes	2.5983					☐
287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					☐
288	Matl288	Solid Urethane foam core	Yes	4.1500					☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐
185	Matl185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	☐
82	Matl82	ASPHALT-SHINGLE AND SIDING	Yes	0.4400					☐
11	Matl11	2 in. Insulation	No	6.6800	0.1670	0.0250	2.00	0.2000	☐
47	Matl47	2 in. Heavyweight concrete	No	0.1670	0.1670	1.0000	140.00	0.2000	☐
95	Matl95	CONC BLOCK HW-4IN-HOLLOW	No	0.7107	0.3333	0.4690	101.00	0.2000	☐
248	Matl248	ROOF GRAVEL OR SLAG1/2IN	No	0.0500	0.0417	0.8340	55.00	0.4000	☐
94	Matl94	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1002	Aluminum door, 1.25 in. polystyrene	No	No	0.19	0.53	43.67	5.2104	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	264	ALUMINUM, 1/16 IN	0.0050	0.00	☐
2	214	POLYSTYRENE, EXP., 1-1/4IN,	0.1042	0.00	☐
3	264	ALUMINUM, 1/16 IN	0.0050	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1003	Ceiling, exposed to attic, R-20 cellulose	No	No	0.05	0.87	6.92	21.2851	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐
2	206	CELLULOSE,FILL,5.5IN,R-20	0.4583	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1004	Concrete floor, carpet and rubber pad	No	No	0.60	9.33	140.00	1.6703	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00	☐
2	178	CARPET W/RUBBER PAD		0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1014	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	No	No	0.26	9.70	62.72	3.7856	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	105	CONC BLK HW, 8IN, HOLLOW	0.6667	0.00	☐
2	269	.75" ISO BTWN24" oc	0.0625	0.00	☐
3	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1039	Shngl/1/2"WD Deck/WD Truss/6"Batt/Gyp Brd	No	No	0.05	1.40	10.89	21.2351	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	81	ASPHALT-ROOFING, ROLL		0.00	☐
2	244	PLYWOOD, 1/2IN	0.0417	0.00	☐
3	23	6 in. Insulation	0.5000	0.00	☐
4	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐

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 19-3S-17-05139-003 **PERMIT NUMBER** 000024045

1. **Description of property: (legal description of the property and street address or 911 address)**

- COMM SW COR LOT 11 VALLEY PARK S/D FOR POB,. RUN W 172..09 FT,. N 438..18 FT TO S R/W WALDO ST,. NE ALONG R/W 362..94 FT,. SW 532..13 FT TO POB.. ORB 608-723,,. 930-257,4,,. 257,6,,. 258,3,,. 259,0,,. . . .

2. **General description of improvement:** DISPATCH BLDG.

3. **Owner Name & Address** COLUMBIA READY MIX CONCRETE, INC, P.O. BOX 2101 LAKE CITY, FL 32056 **Interest in Property** Simple

4. **Name & Address of Fee Simple Owner (if other than owner):**

5. **Contractor Name** RENNY EADIE **Phone Number**
   Address

6. **Surety Holders Name** **Phone Number**
   Address
   Amount of Bond

7. **Lender Name** **Phone Number**
   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 **Phone Number**
   Address

9. **In addition to himself/herself the owner designates** SHARON BLACKMON **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.

Signature of Owner

Sworn to (or affirmed) and subscribed before 2nd **day of** June, 20 06

NOTARY STAMP/SEAL
GEE TEDDER
MY COMMISSION # DD 333586
EXPIRES: June 28, 2008
Bonded Thru Notary Public Underwriters

Signature of Notary

Inst:2006013349 Date:06/02/2006 Time:16:00
DC,P.DeWitt Cason,Columbia County B:1085 P:1731

New Construction Subterranean Termite Soil Treatment Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

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

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

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

24045

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. JB108376 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name: Zalobin Ready Mix Company Phone No.

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) 516 N.W Walda St. 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 Dirt

Section 4: Treatment Information

Date(s) of Treatment(s) 6-2-06
Brand Name of Product(s) Used Dursban T.C
EPA Registration No. 53883-92
Approximate Final Mix Solution % 0.25%
Approximate Size of Treatment Area: Sq. ft. 440 Linear ft. 0 Linear ft. of Masonry Voids 0
Approximate Total Gallons of Solution Applied 50
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 S D Brannan Date 6-2-06

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

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

December 29, 2005

Huey Hawkins
6855 S. W. Elim Church Road
Fort White, Florida 32038

Reference: Proposed Building
Columbia Ready Mix Site
Waldo Road
Columbia County, Florida
Cal-Tech Project No. 05-675

Dear Mr. Hawkins,

Cal-Tech Testing, Inc. has completed the subsurface investigation and engineering evaluation of the site for a small building to be constructed at the Columbia Ready Mix site on Waldo Road in Columbia County, Florida. Our work was performed in conjunction with and authorized by you.

We understand the building will have lateral dimensions of approximately 26 by 28 feet, and support will be provided by conventional, shallow spread footings and stem walls. Anticipated column and wall loads are assumed not to exceed 25 kips and 2 kips per foot, respectively.

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 at the approximate center of the proposed building area. This location was selected on site by Bob Holt of Columbia Ready Mix.

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 four soil strata. The first layer consists of about 2 feet of dense, tannish gray sand with limerock (SP) and brownish gray sand (SP). The N-values of this layer are on the order of 42 blows per foot.

The second layer consists of about 5.0 feet of loose to medium dense, tannish gray sand with clay (SP/SC) or sand with traces of clay (SP). The N-values of this layer range from 6 to 17 blows per foot.

The third layer consists of about 1.5 feet of loose, tannish gray, slightly clayey sand (SC). The N-values of this layer are on the order of 4 blows per foot.

The fourth layer consists of an undetermined thickness of medium dense, light brownish gray sand with clay (SP/SC). N-values of this layer are on the order of 15 blows per foot.

Groundwater was encountered at a depth of 6.1 feet at the time of our investigation. For a more detailed description of the subsurface conditions encountered, please refer to the attached Boring Log.

Discussion

We have performed a bearing capacity analysis for the immediate bearing soils and have assumed the foundations will have minimum widths of 16 inches and be embedded a minimum of 14 inches. For these foundations and the site soils as encountered, we obtained an allowable bearing capacity of 2,000 pounds per square foot with a factor of safety of about 3.5 against a bearing capacity failure. It is therefore our opinion the subgrade soils within the proposed building area are suitable for shallow foundations and an allowable bearing capacity of 2,000 pounds per square foot.

Our evaluation is based upon the subsurface conditions encountered at this site and as presented within this report. However, subsurface conditions may exist that differ from our findings. We request that we be notified if substantially different subsurface conditions are encountered.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please contact us if you have questions.

Respectfully submitted,
Cal-Tech Testing, Inc.

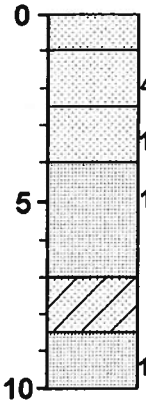
Linda Creamer
Linda Creamer
President / CEO

John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer 12/29/05
5262

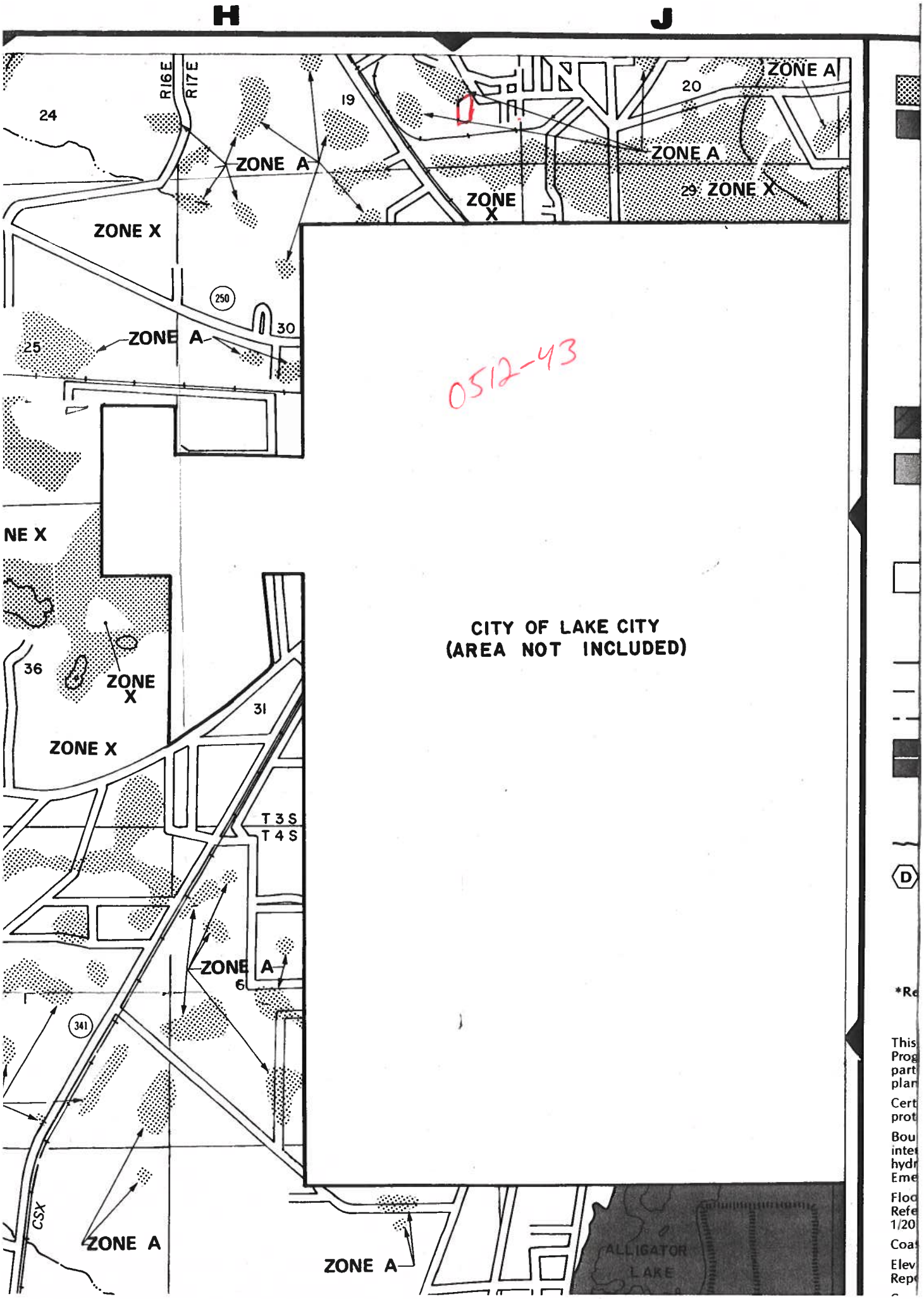
B-1

Water Table: 6.1'

Depth (ft)	N-value	Soil Description
0		Tannish Grey Sand with Limerock (SP)
	42	Dense, Brownish Grey Sand (SP)
	17	Medium Dense, Light Tannish Grey to Tannish Grey Sand, Trace Clay (SP)
5	17	Loose to Medium Dense, Light Tannish Grey Sand with Clay (SP/SC)
	6	
	4	Loose, Light Tannish Grey, Slightly Clayey Sand (SC)
	15	Medium Dense, Light Brownish Grey Sand with Clay (SP/SC)
10		



Boring Log: Proposed Building
Columbia Ready Mix


H
J
R16E
R17E
24
19
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ZONE A
ZONE A
ZONE A
29
ZONE X
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X
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250
30
25
ZONE A
0512-43
NE X
CITY OF LAKE CITY
(AREA NOT INCLUDED)
36
ZONE
X
31
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6
341
CSX
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ALLIGATOR
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D

COLUMBIA COUNTY BUILDING DEPARTMENT

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR FLORIDA BUILDING CODE 2001 WITH AMENDMENTS

ALL REQUIREMENTS LISTED ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INCLUDE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 WITH AMENDMENTS BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SIGNATURE AND SEAL OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA. THE FOLLOWING BASIC WIND SPEED AS PER SECTION 1606 SHALL BE USED.

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75
1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ---------- 100 MPH
2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ---------- 110 MPH
3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

GENERAL REQUIREMENTS: **Two (2) complete sets of plans containing a floor plan, site plan, foundation plan, floor/roof framing plan or truss layout, wall sections and all exterior elevations with the following criteria and documents:**

Applicant	Plans Examiner	
☑	☐	**All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans.**
☑	☐	**Designers name and signature on document (FBC 104.2.1) If licensed architect or engineer, official seal shall be affixed.**
☑	☐	**Two (2) Copies of Approved Site Plan**
☑	☐	**Minimum Type Construction (FBC Table 500)**
☑	☐	**Wind Load Engineering Summary, calculations and any details required:** a) Plans or specifications must state compliance with FBC Section 1606 b) The following information must be shown as per section 1606.1.7 FBC 1. Basic wind speed (MPH) 2. Wind importance factor (I) and building category 3. Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated 4. The applicable internal pressure coefficient 5. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional
☑	☐	**Fire Resistant Construction Requirements shall include:**
☐	☐	a) Fire resistant separations (listed system)
☐	☐	b) Fire resistant protection for type of construction
☐	☐	c) Protection of openings and penetrations of rated walls (listed systems)
☑	☐	d) Fire blocking and draft-stopping
☑	☐	e) Calculated fire resistance

Fire Suppression Systems shall include: (To be reviewed by Fire Department)

- ☐ ☐ a) Fire sprinklers
- ☑ ☐ b) Fire alarm system (early warning) with name of licensed installer. If not shown on plans or not known at time of permitting, a separate permit shall be required by the licensed installer
- ☑ ☐ c) Smoke evacuation system schematic
- ☐ ☐ d) Stand-pipes
  - Pre-engineered system
  - Riser diagram

Life Safety Systems shall include: (To be reviewed by Fire Department)

- ☐ ☐ a) Occupancy load and egress capacity
- ☐ ☐ b) Early warning
- ☐ ☐ c) Smoke control
- ☐ ☐ d) Stair pressurization
- ☐ ☐ e) Systems schematic

Occupancy Load/Egress Requirements shall include:

- ☑ ☐ a) Occupancy load (gross and net)
- ☑ ☐ b) Means of egress
  - exit access, exit and exit discharge
- ☑ ☐ c) Stair construction/geometry and protection
- ☑ ☐ d) Doors
- ☑ ☐ e) Emergency lighting and exit signs
- ☑ ☐ f) Specific occupancy requirements
  1. Construction requirements
  2. Horizontal exits/exit passageways

Structural Requirements shall include:

- ☑ ☐ a) Soil conditions/analysis
- ☑ ☐ b) Show type of termite treatment (termicide or alternative method)
- ☑ ☐ c) Design loads
- ☑ ☐ d) Wind requirements
- ☑ ☐ e) Building envelope
- ☑ ☐ f) Structural calculations
- ☑ ☐ g) Foundations
- ☑ ☐ h) Wall systems
- ☑ ☐ i) Floor systems
- ☑ ☐ j) Roof systems
- ☑ ☐ k) Threshold inspection plan (if applicable)
- ☑ ☐ l) Stair systems

Materials shall include:

- ☑ ☐ a) Wood
- ☐ ☐ b) Steel
- ☐ ☐ c) Aluminum
- ☑ ☐ d) Concrete
- ☐ ☐ e) Plastic
- ☑ ☐ f) Glass (mfg. Listing for wind zone including details for installation and attachments
- ☑ ☐ g) Masonry
- ☑ ☐ h) Gypsum board and plaster
- ☑ ☐ i) Insulating (mechanical)
- ☑ ☐ j) Roofing (mfg. Listed system for wind zone with installation and attachments)
- ☑ ☐ k) Insulation

Accessibility Requirements shall include:

- ☑ ☐ a) Site requirements
- ☑ ☐ b) Accessible route
- ☑ ☐ c) Vertical accessibility
- ☑ ☐ d) Toilet and bathing facilities
- ☐ ☐ e) Drinking fountains
- ☐ ☐ f) Equipment
- ☐ ☐ g) Special occupancy requirements
- ☐ ☐ h) Fair housing requirements

Interior Requirements shall include:

- ☐ ☐ a) Interior finishes (flame spread/smoke develop)
- ☑ ☐ b) Light and ventilation
- ☐ ☐ c) Sanitation

Special Systems shall include:

- ☐ ☐ a) Elevators
- ☐ ☐ b) Escalators
- ☐ ☐ c) Lifts

Swimming Pools – Commercial – Plans shall be signed and sealed by a Professional Engineer registered in the State of Florida and approved by the Department of Business and Professional Regulation/Health Department Indicating compliance with the Florida Administrative Code, Chapter 64E-9 And Section 424 of the Florida Building Code

Electrical:

- ☑ ☐ a) Electrical wiring, services, feeders and branch circuits, over-current protection, grounding, wiring methods and materials, GFCIs
- ☑ ☐ b) Equipment
- ☐ ☐ c) Special Occupancies
- ☑ ☐ d) Emergency Systems
- ☑ ☐ e) Communication Systems
- ☐ ☐ f) Low Voltage
- ☑ ☐ g) Load calculations
- ☐ ☐ h) Riser diagram

Plumbing:

- ☑ ☐ a) Minimum plumbing facilities
- ☑ ☐ b) Fixture requirements
- ☑ ☐ c) Water supply piping
- ☑ ☐ d) Sanitary drainage
- ☑ ☐ e) Water heaters
- ☑ ☐ f) Vents
- ☑ ☐ g) Roof drainage
- ☐ ☐ h) Back flow prevention
- ☐ ☐ i) Irrigation
- ☑ ☐ j) Location of water supply
- ☐ ☐ k) Grease traps
- ☐ ☐ l) Environmental requirements
- ☐ ☐ m) Plumbing riser

Mechanical:

- ☑ ☐ a) Energy calculation (signed and sealed by Architect or Engineer, registered in the State of Florida)
- ☐ ☐ b) Exhaust systems (clothes dryer exhaust, kitchen equipment exhaust, Specialty equipment exhaust)
- ☐ ☐ c) Equipment
- ☑ ☐ d) Equipment location
- ☐ ☐ e) Make-up air
- ☐ ☐ f) Roof mounted equipment
- ☐ ☐ g) Duct systems
- ☑ ☐ h) Ventilation
- ☐ ☐ i) Combustion air
- ☐ ☐ j) Chimneys, fireplaces and vents
- ☐ ☐ k) Appliances
- ☐ ☐ l) Boilers
- ☑ ☐ m) Refrigeration
- ☑ ☐ n) Bathroom ventilation
- ☐ ☐ o) Laboratory

N/A **Gas:**

- ☐ ☐ a) Gas piping
- ☐ ☐ b) Venting
- ☐ ☐ c) Combustion air
- ☐ ☐ d) Chimney's and vents
- ☐ ☐ e) Appliances
- ☐ ☐ f) Type of gas
- ☐ ☐ g) Fireplaces
- ☐ ☐ h) LP tank locations
- ☐ ☐ i) Riser diagram/shut offs

- ☑ ☐ **Disclosure Statement for Owner Builders**
- ☑ ☐ ***Notice of Commencement Required Before Any Inspections will be Done**
- ☐ ☐ N/A **Private Potable Water:**
  - a) Size of pump motor
  - b) Size of pressure tank
  - c) Cycle stop valve if used

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS:

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all construction projects; If you were required to have a Site and Development Plan Approval, list SDP number.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic tank approval or sewer tap is required

4. **City Approval:** If the project is located within the city limits of the Town of Fort White prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) **has been** established shall meet the requirements of section 8.8 of the Columbia County Land Development Regulations. Any project that is located within a flood zone where the base flood elevation (100 year flood) **has not been** established shall meet the requirements of section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.**
A development permit will also be required. **The development permit cost is $50.00**

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit must be made **($25.00)**. Culvert installation for commercial, industrial and other uses shall **conform to the approved site plan or to the specifications of a registered engineer. Joint use culverts will comply with Florida Department of Transportation specifications**. If the project is to be located on a F.D.O.T. maintained road, then an F.D.O.T. access permit is required.

7. **Suwannee River Water Management District Approval:** All commercial projects must have an SRWMD permit issued or an exemption letter, before a building will be issued.

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE – TIME WILL NOT ALLOW THIS – PLEASE DO NOT ASK

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22 FORM 400A-2001

Whole Building Performance Method for Commercial Buildings

Jurisdiction: LAKE CITY, COLUMBIA COUNTY, FL (221200)

Short Desc: New Prj
Owner: Reny Eadie
Address:
West Hwy 90
City: Lake City
State: FL
Zip: 32055

Project: Columbia Ready Mix Batch Plant

PermitNo: 0
Storeys: 1

Type: Office (Business)
Class: New Finished building

GrossArea: 889
Net Area: 889

Max Tonnage: 2 (if different, write in)

Compliance Summary

Component	Design	Criteria	Result
Gross Energy Use	82.52	100.00	**PASSES**
Other Envelope Requirements - A			**PASSES**
LIGHTING CONTROLS			**PASSES**
EXTERNAL LIGHTING			**PASSES**
HVAC SYSTEM			**PASSES**
PLANT			**PASSES**
WATER HEATING SYSTEMS			**PASSES**
PIPING SYSTEMS			**PASSES**
Met all required compliance from Check List?			**Yes/No/NA**

IMPORTANT NOTE: An input report Print-Out from EnergyGauge FlaCom of this design building must be submitted along with this Compliance Report.

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:** William H. Freeman **DATE:** 12/20/05 I hereby certify that this building is in compliance with the Florida Energy Efficiency Code. **OWNER AGENT:** Eddie Accardie **DATE:**	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S. **BUILDING OFFICIAL:** **DATE:**

If required by Florida law, I hereby certify (*) that the system design is in compliance with the Florida Energy Code.

		REGISTRATION No.
ARCHITECT :	**William H. Freeman**	**PE #56001**
ELECTRICAL SYSTEM DESIGNER:		
LIGHTING SYSTEM DESIGNER:		
MECHANICAL SYSTEM DESIGNER:		
PLUMBING SYSTEM DESIGNER:		

(*) 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.

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

Whole Building Compliance

	Design	Reference
Total	*82.52*	*100.00*
ELECTRICITY	82.52	100.00
AREA LIGHTS	12.62	25.83
MISC EQUIPMT	14.95	14.95
PUMPS & MISC	0.39	0.39
SPACE COOL	17.48	21.75
VENT FANS	37.09	37.09

Credits & Penalties (if any): Modified Points: = 82.53 **PASSES**

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

Other Envelope Requirements

Item	Zone	Description	Design	Limit	Meet Req.
Pr0Zo1Rf1	Pr0Zo1	Exterior Roof - Max Uo Limit	0.05	0.09	Yes

Meets Other Envelope Requirements

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

External Lighting Compliance

Description	Category	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 1	Exit (with or without Canopy)	25.00	10.0	250	250

Design: 250 (W)
Allowance: 250 (W)

PASSES

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	No. of Tasks	Design CP	Min CP	Compli-ance
Pr0Zo1Sp1	36	Common Activity Areas - Computer/Office Equipment	144	1	4	4	PASSES
Pr0Zo1Sp2	36	Common Activity Areas - Computer/Office Equipment	91	1	6	6	PASSES
Pr0Zo1Sp3	13	Toilet and Washroom	40	1	2	2	PASSES
Pr0Zo1Sp4	46	Storage & Warehouse - Fine Active Storage	144	1	4	4	PASSES

PASSES

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CITY, COLUMBIA COUNTY, FL (221200)
(WEA File: JACKSO

System Report Compliance

Pr0Sy1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. of Units 1**

Component	Category	Capacity	Design Eff	Eff Criteria	Design IPLV	IPLV Criteria	Comp-liance
Cooling System	Air Cooled < 65000 Btu/h Cooling Capacity		10.00	10.00	8.00		PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.80	0.80			PASSES

PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Comp liance

None

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Comp liance

None

Piping System Compliance

Category	Pipe Dia [inches]	Is Runout?	Operating Temp [F]	Ins Cond [Btu-in/hr .SF.F]	Ins Thick [in]	Req Ins Thick [in]	Compliance

None

Project: New Prj
Title: Columbia Ready Mix Batch Plant
Type: Office (Business)
Location: LAKE CIT

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Infiltration	406.1	Infiltration Criteria have been met	☐
System	407.1	HVAC Load sizing has been performed	☐
Ventilation	409.1	Ventilation criteria have been met	☐
ADS	410.1	Duct sizing and Design have been performed	☐
T & B	410.1	Testing and Balancing will be performed	☐
Electrical	413.1	Metering criteria have been met	☐
Motors	414.1	Motor efficiency criteria have been met	☐
Lighting	415.1	Lighting criteria have been met	☐
O & M	102.1	Operation/maintenance manual will be provided to owner	☐
Roof/Ceil	404.1	R-19 for Roof Deck with supply plenums beneath it	☐
Report	101	Input Report Print-Out from EnergyGauge FlaCom attached?	☐

ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs

EnergyGauge FlaCom v1.22

INPUT DATA REPORT

Project Information

Project Name: New Prj

Project Title: Columbia Ready Mix Batch Plant

Address: West Hwy 90

State: FL

Zip: 32055

Owner: Reny Eadie

Orientation: North

Building Type: Office (Business)

Building Classification: New Finished building

No.of Storeys: 1

GrossArea: 889

Zones

No	Acronym	Description	Type	Load Profile	Area [sf]	Multiplier	Total Area [sf]	
1	Pr0Zo1	Zone 1	CONDITIONED	Uses Building Load Profile	889.0	1	889.0	☐

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]	
In Zone: Pr0Zo1										
1	Pr0Zo1Sp1	Office Space	Common Activity Areas - Computer/Office Equipment	12.00	12.00	9.00	2	288.0	2592.0	☐
2	Pr0Zo1Sp2	Zo1Sp2	Common Activity Areas - Computer/Office Equipment	7.00	13.00	9.00	3	273.0	2457.0	☐
3	Pr0Zo1Sp3	Zo1Sp3	Toilet and Washroom	5.00	8.00	9.00	1	40.0	360.0	☐
4	Pr0Zo1Sp4	Zo1Sp4	Storage & Warehouse - Fine Active Storage	12.00	12.00	8.00	2	288.0	2304.0	☐

Lighting

No	Type	Power [W]	Control Type	No.of Ctrl pts	
In Zone: Pr0Zo1					
In Space: Pr0Zo1Sp1					
1	Compact Fluorescent	100.00	Manual On/Off	2	☐
In Space: Pr0Zo1Sp2					
1	Compact Fluorescent	100.00	Manual On/Off	2	☐
In Space: Pr0Zo1Sp3					
1	Incandescent	30.00	Manual On/Off	2	☐
In Space: Pr0Zo1Sp4					
1	Incandescent	100.00	Manual On/Off	2	☐

Walls

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Direction	Conductance [Btu/hr. sf. F]	Heat Capacity [Btu/sf.F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone: Pr0Zo1											

1	North Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	26.00	9.00	1	234.0	North	0.2642	9.6960	62.72	3.79
2	East Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	28.00	9.00	1	252.0	North	0.2642	9.6960	62.72	3.79
3	South Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	26.00	9.00	1	234.0	North	0.2642	9.6960	62.72	3.79
4	West Wall	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	28.00	9.00	1	252.0	North	0.2642	9.6960	62.72	3.79

Windows

No	Description	Type	Shaded	UCen [Btu/hr sf F]	SC	Vis.Tr	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]
In Zone: Pr0Zo1										
In Wall: Pr0Zo1Wa1										
1	Pr0Zo1Wa1Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	4.50	4.00	2	36.0
In Wall: Pr0Zo1Wa2										
1	Pr0Zo1Wa2Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	4.50	4.00	2	36.0
2	Pr0Zo1Wa2Wi2	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	3.00	4.00	1	12.0
In Wall: Pr0Zo1Wa3										
1	Pr0Zo1Wa3Wi1	DOUBLE CLEAR IG	No	0.6514	0.88	0.81	4.50	4.00	2	36.0

Doors

No	Description	Type	Shaded?	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Dens. [lb/cf]	Heat Cap. [Btu/sf. F]	R-Value [h.sf.F/Btu]
In Zone: Pr0Zo1											
In Wall: Pr0Zo1Wa1											

1	Pr0Zo1Wa1Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	7.00	1	21.0	0.1919	43.67	0.53	5.21
In Wall:	**Pr0Zo1Wa3**										
1	Pr0Zo1Wa3Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	7.00	1	21.0	0.1919	43.67	0.53	5.21
In Wall:	**Pr0Zo1Wa4**										
1	Pr0Zo1Wa4Dr1	Aluminum door, 1.25 in. polystyrene	No	3.00	7.00	5	21.0	0.1919	43.67	0.53	5.21

Roofs

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Tilt [deg]	Cond. [Btu/hr. Sf. F]	Heat Cap [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone:	**Pr0Zo1**										
1	Pr0Zo1Rf1	Shngl/1/2"WD Deck/WD Truss/6"Batt/Gyp Brd	28.00	26.00	1	728.0	0.00	0.0471	1.40	10.89	21.24

Skylights

No	Description	Type	UCen [Btu/hr sf F]	Shading Coeff	Vis.Trans	W [ft]	H (Effec) [ft]	Multiplier	Area [Sf]	Total Area [Sf]
In Zone:										
In Roof:										

Floors

No	Description	Type	Width [ft]	H (Effec) [ft]	Multi plier	Area [sf]	Cond. [Btu/hr. sf. F]	Heat Cap. [Btu/sf. F]	Dens. [lb/cf]	R-Value [h.sf.F/Btu]
In Zone:	**Pr0Zo1**									

1	Pr0Zo1Fl1	Concrete floor, carpet and rubber pad	28.00	26.00	1	728.0	0.5987	9.33	140.00	1.67
2	Pr0Zo1Fl2	Ceiling, exposed to attic, R-20 cellulose	12.00	26.00	1	312.0	0.0470	0.87	6.92	21.29

Systems

Pr0Sy1 **System 1** **Constant Volume Air Cooled Split System < 65000 Btu/hr** **No. Of Units 1**

Component	Category	Capacity	Efficiency	IPLV
1	Cooling System (Air Cooled < 65000 Btu/h Cooling Capacity)	24000.00	10.00	8.00
2	Air Handling System -Supply (Air Handler (Supply) - Constant Volume)	800.00	0.80	

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV

Water Heaters

W-Heater Description	Capacit	Cap.Unit	I/P Rt.	Efficienc	Loss

Ext-Lighting

	Description	Categories.	Area/Len/No. of units [sf/ft/No]	Wattage [W]
1	Ext Light 1	Exit (with or without Canopy)	10.00	250.00

Piping

No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.sf.F]	Nomonal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
						☐

Fenestration Used

Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.sf.F]	SC	VLT	Frame Conductance [Btu/h.sf.F]	Frame Absorptance	
ApLbWnd6	DOUBLE CLEAR IG	2	0.6514	0.8800	0.8120	0.4340	0.7000	☐

Materials Used

Mat No	Acronym	Description	Only R-Value Used	RValue [h.sf.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
18	Matl18	2 in. Wood	No	2.3857	0.1670	0.0700	37.00	0.3900	☐
264	Matl264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
214	Matl214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900	☐
187	Matl187	GYP OR PLAS BOARD,1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	☐
206	Matl206	CELLULOSE,FILL,5.5IN,R-20	No	20.8318	0.4583	0.0220	3.00	0.3300	☐
151	Matl151	CONC HW, DRD, 140LB, 4IN	No	0.4403	0.3333	0.7570	140.00	0.2000	☐
178	Matl178	CARPET W/RUBBER PAD	Yes	1.2300					☐
265	Matl265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	☐
48	Matl48	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	☐

123	Matl123	CONC BLOCK MW,8IN,HOLLOW	No	1.7227	0.6667	0.3870	53.00	0.2000	☐
159	Matl159	CONC HW-UNDRD-140LB-4IN	No	0.3202	0.3333	1.0410	140.00	0.2000	☐
57	Matl57	3/4 in. Plaster or gypsum	No	0.1488	0.0625	0.4200	100.00	0.2000	☐
72	Matl72	AIR LAYER, 3/4IN OR LESS, VERT. WALLS	Yes	0.9000					☐
267	Matl267	0.75" stucco	No	0.1563	0.0625	0.4000	16.00	0.2000	☐
266	Matl266	2x4@16" oc + R11 Batt	No	8.3343	0.2917	0.0350	9.70	0.2000	☐
215	Matl215	POLYSTYRENE, EXP., 2IN,	No	8.3350	0.1667	0.0200	1.80	0.2900	☐
105	Matl105	CONC BLK HW, 8IN, HOLLOW	No	1.1002	0.6667	0.6060	69.00	0.2000	☐
256	Matl256	WOOD, SOFT, 1-1/2IN	No	1.8939	0.1250	0.0660	32.00	0.3300	☐
268	Matl268	0.625" stucco	No	0.1302	0.0521	0.4000	16.00	0.2000	☐
42	Matl42	8 in. Lightweight concrete block	No	2.0212	0.6670	0.3300	38.00	0.2000	☐
269	Matl269	.75" ISO BTWN24" oc	No	2.2321	0.0625	0.0280	4.19	0.3000	☐
86	Matl86	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	☐
211	Matl211	POLYSTYRENE,EXP.,1/2IN,	No	2.0850	0.0417	0.0200	1.80	0.2900	☐
12	Matl12	3 in. Insulation	No	10.0000	0.2500	0.0250	2.00	0.2000	☐
218	Matl218	POLYURETHANE,EXP.,1/2 IN,	No	3.2077	0.0417	0.0130	1.50	0.3800	☐
23	Matl23	6 in. Insulation	No	20.0000	0.5000	0.0250	5.70	0.2000	☐
4	Matl4	Steel siding	No	0.0002	0.0050	26.0000	480.00	0.1000	☐
271	Matl271	2x4@24" oc + R11 Batt	No	10.4179	0.2917	0.0280	7.11	0.2000	☐
272	Matl272	Panel with 7/16" panels	Yes	0.9044					☐
273	Matl273	Hollow core flush (1.375")	Yes	1.2777					☐
274	Matl274	Solid core flush (1.375")	Yes	1.7141					☐
275	Matl275	Panel with 7/16" panels (1.375")	Yes	1.0019					☐
276	Matl276	Hollow core flush (1.75")	Yes	1.3239					☐
277	Matl277	Panel with 1-1/8" panels (1.75")	Yes	1.7141					☐
278	Matl278	Solid core flush (1.75")	Yes	1.6500					☐
279	Matl279	Solid core flush (2.25")	Yes	2.8537					☐
280	Matl280	Fiberglass/Mineral wool core	Yes	0.8167					☐
281	Matl281	Paper Honeycomb core	Yes	0.9357					☐

282	Matl282	Solid Urethane foam core	Yes	1.6500					☐
283	Matl283	Solid mineral fiberboard core	Yes	1.7816					☐
284	Matl284	Polystyrene core (18 ga steel) 1	Yes	2.0071					☐
285	Matl285	Polyurethane core (18 ga steel) 2	Yes	2.5983					☐
286	Matl286	Polyurethane core (24 ga steel) 1	Yes	2.5983					☐
287	Matl287	Polyurethane core (24 ga steel) 2	Yes	4.1500					☐
288	Matl288	Solid Urethane foam core	Yes	4.1500					☐
81	Matl81	ASPHALT-ROOFING, ROLL	Yes	0.1500					☐
244	Matl244	PLYWOOD, 1/2IN	No	0.6318	0.0417	0.0660	34.00	0.2900	☐
185	Matl185	CLAY TILE, PAVER, 3/8IN	No	0.0301	0.0313	1.0410	120.00	0.2000	☐
82	Matl82	ASPHALT-SHINGLE AND SIDING	Yes	0.4400					☐
11	Matl11	2 in. Insulation	No	6.6800	0.1670	0.0250	2.00	0.2000	☐
47	Matl47	2 in. Heavyweight concrete	No	0.1670	0.1670	1.0000	140.00	0.2000	☐
95	Matl95	CONC BLOCK HW-4IN-HOLLOW	No	0.7107	0.3333	0.4690	101.00	0.2000	☐
248	Matl248	ROOF GRAVEL OR SLAG1/2IN	No	0.0500	0.0417	0.8340	55.00	0.4000	☐
94	Matl94	BUILT-UP ROOFING, 3/8IN	No	0.3366	0.0313	0.0930	70.00	0.3500	☐

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1002	Aluminum door, 1.25 in. polystyrene	No	No	0.19	0.53	43.67	5.2104	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	264	ALUMINUM, 1/16 IN	0.0050	0.00	☐
2	214	POLYSTYRENE, EXP., 1-1/4IN,	0.1042	0.00	☐
3	264	ALUMINUM, 1/16 IN	0.0050	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1003	Ceiling, exposed to attic, R-20 cellulose	No	No	0.05	0.87	6.92	21.2851	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐
2	206	CELLULOSE,FILL,5.5IN,R-20	0.4583	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1004	Concrete floor, carpet and rubber pad	No	No	0.60	9.33	140.00	1.6703	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	151	CONC HW, DRD, 140LB, 4IN	0.3333	0.00	☐
2	178	CARPET W/RUBBER PAD		0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1014	8"CMU/3/4"ISO BTWN24"oc/5/8 Gyp	No	No	0.26	9.70	62.72	3.7856	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	105	CONC BLK HW, 8IN, HOLLOW	0.6667	0.00	☐
2	269	.75" ISO BTWN24" oc	0.0625	0.00	☐
3	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.sf.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.sf.F/Btu]	
1039	Shngl/1/2"WD Deck/WD Truss/6"Batt/Gyp Brd	No	No	0.05	1.40	10.89	21.2351	☐

Layer	Material No.	Material	Thickness [ft]	Framing Factor	
1	81	ASPHALT-ROOFING, ROLL		0.00	☐
2	244	PLYWOOD, 1/2IN	0.0417	0.00	☐
3	23	6 in. Insulation	0.5000	0.00	☐
4	187	GYP OR PLAS BOARD,1/2IN	0.0417	0.00	☐

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1SST487-Z0408114121

Truss Fabricator:	Anderson Truss Company
Job Identification:	05-543-Renny Edie/Dispatch Office
Truss Count:	2
Model Code:	Florida Building Code
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 6.30.
Structural Engineer of Record:	
Address:	
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration Floor - N/A Wind - 110 MPH ASCE 7-98 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

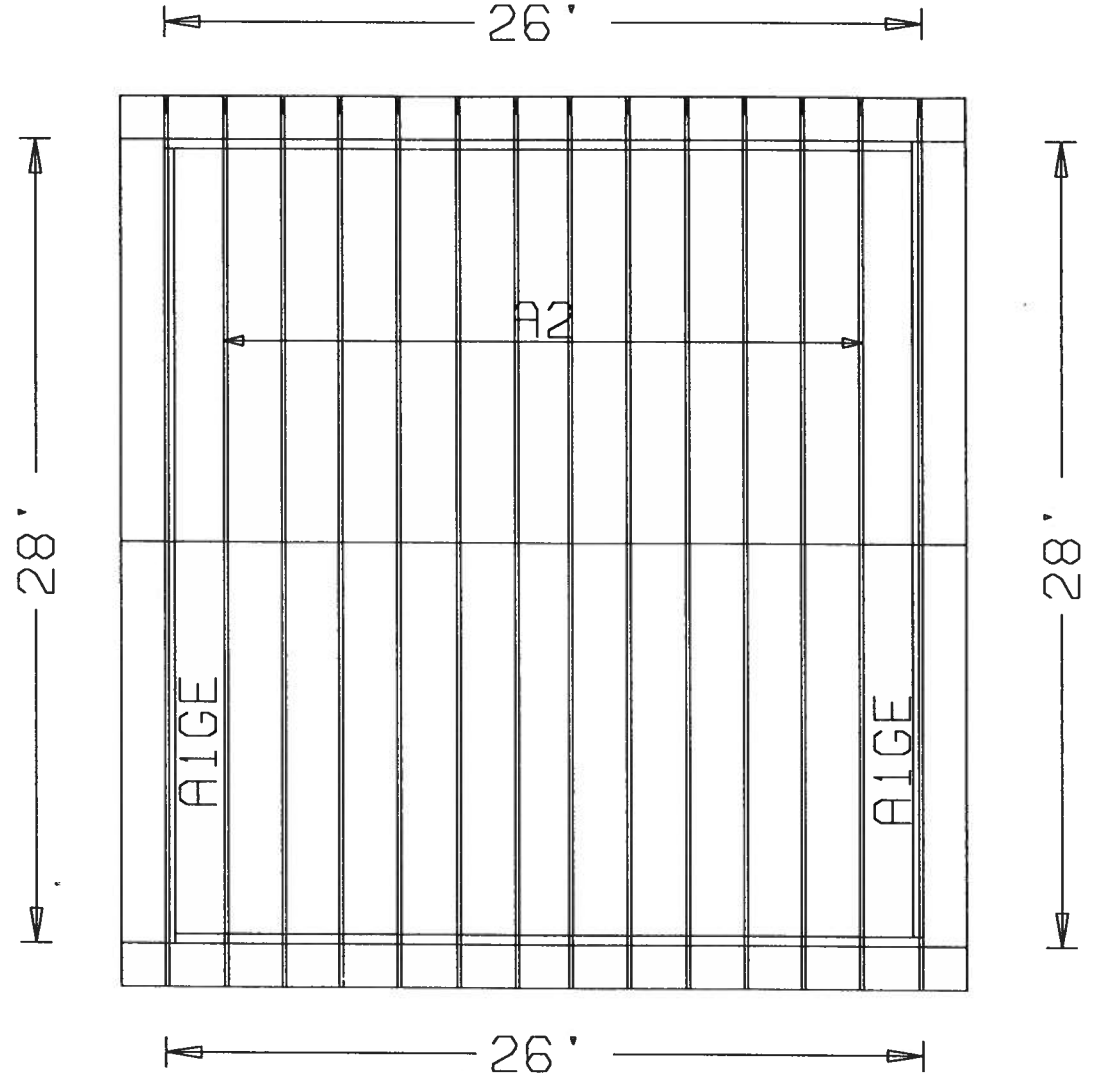
Details: A11015EC-GBLLETIN

#	Ref	Description	Drawing#	Date
1	44325--A2		05342084	12/08/05
2	44326--A1GE		05342085	12/08/05

Seal Date: 12/08/2005

-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Roof Plane Sheathing Area = 1170 sq. ft



Renny Edie/Dispatch Office
05-543
12/7/05

961-1727
Huey Hawkins

JOB LOCATION:

JOB DESCRIPTION: Renny Edie/Dispatch Office

DESIGNED BY:

JOB NO: 05-543

PAGE NO: 1 OF 1

(05-543-Renny Edie/Dispatch Office - A2)

Top chord 2x4 SP #2 Dense :T2, T3 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3
:Lt Wedge 2x4 SP #3::Rt Wedge 2x4 SP #3:

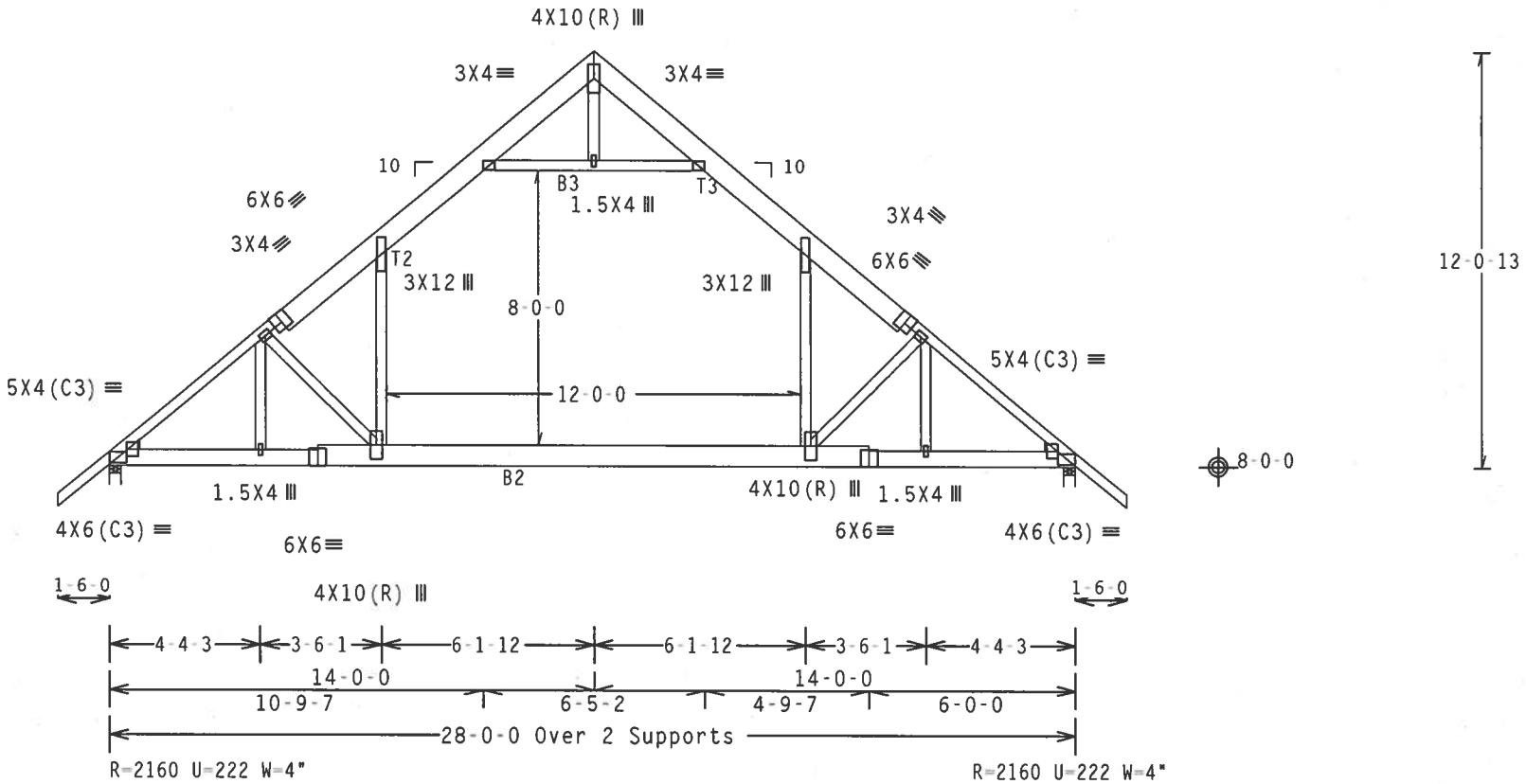
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 13.61 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.12" due to live load and 0.24" due to dead load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 8-0-0 to 20-0-0.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/10(0) 6.30.0 TY:12 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization #

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W, K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ARTHUR R. FISHER
LICENSE
No. 39687
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Dec 08 05

TC LL	20.0 PSF	REF R487-- 44325
TC DL	10.0 PSF	DATE 12/08/05
BC DL	10.0 PSF	DRW HCUSR487 05342084
BC LL	0.0 PSF	HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN- 149012
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1SST487_Z04

(05-543-Renny Edie/Dispatch Office - A1GE)

Top chord 2x4 SP #2 Dense :T3, T4 2x8 SP SS:
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	87 PLF	at	-1.50	to	87 PLF at 8.00
TC	From	113 PLF	at	8.00	to	113 PLF at 10.79
TC	From	87 PLF	at	10.79	to	87 PLF at 17.21
TC	From	113 PLF	at	17.21	to	113 PLF at 20.00
TC	From	87 PLF	at	20.00	to	87 PLF at 29.50
PLT	From	20 PLF	at	11.29	to	20 PLF at 16.71
BC	From	5 PLF	at	-1.50	to	5 PLF at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF at 8.00
BC	From	120 PLF	at	8.00	to	120 PLF at 20.00
BC	From	20 PLF	at	20.00	to	20 PLF at 28.00
BC	From	5 PLF	at	28.00	to	5 PLF at 29.50
BC	114 LB Conc. Load at 8.00, 20.00					

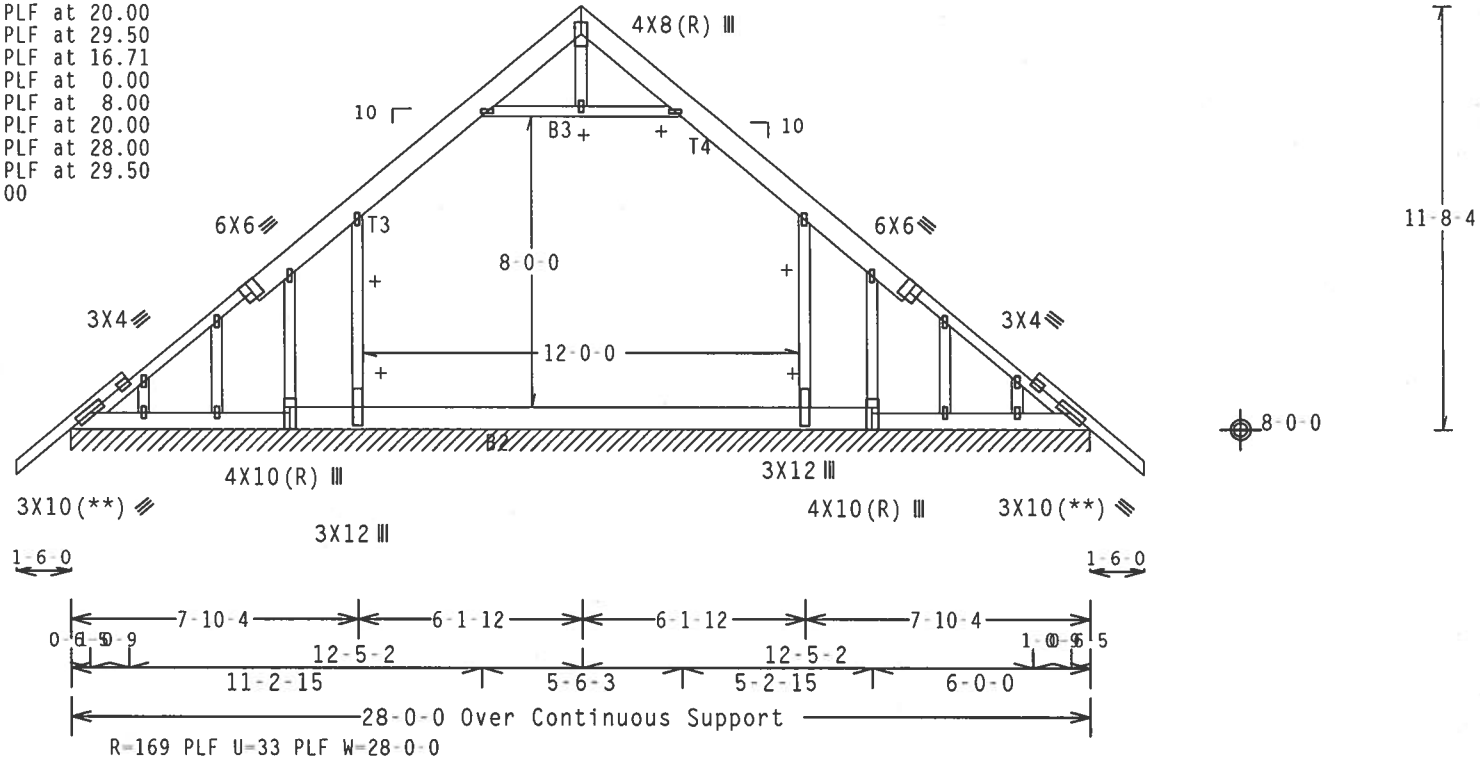
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 13.42 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 6.30.0 KEY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No.59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

Dec 08 '05

TC LL	20.0 PSF	REF	R487-- 44326
TC DL	10.0 PSF	DATE	12/08/05
BC DL	10.0 PSF	DRW	HCUSR487 05342085
BC LL	0.0 PSF		HC-ENG DF/AF
TOT.LD.	40.0 PSF	SEQN-	149017
DUR.FAC.	1.25		
SPACING	SEE ABOVE	JRFF-	1SST487_Z04

ASCE 7-98: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH

2X4 GABLE VERTICAL SPACING	SPECIES	BRACE GRADE	NO BRACES	(1) 1X4 "L" BRACE *		(1) 2X4 "L" BRACE *		(2) 2X4 "L" BRACE **		(1) 2X6 "L" BRACE *		(2) 2X6 "L" BRACE **	
				GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
24" O.C.	SPF HF	#1 / #2	3' 10"	6' 8"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"
		#3	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"	14' 0"
		STUD	3' 9"	6' 0"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 3"	12' 3"	14' 0"	14' 0"
		STANDARD	3' 9"	5' 2"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
	SP DFL	#1	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#2	4' 2"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
		#3	4' 0"	6' 2"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"
		STUD	4' 0"	6' 1"	6' 1"	7' 11"	8' 0"	9' 5"	9' 11"	12' 5"	12' 6"	14' 0"	14' 0"
		STANDARD	3' 10"	5' 3"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"	14' 0"
16" O.C.	SPF HF	#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 4"	6' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
	SP DFL	#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"
12" O.C.	SPF HF	#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 9"	7' 3"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"
		STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR

#1 / #2	STANDARD
#3	STUD

HEM-FIR

#2	STUD
#3	STANDARD

DOUGLAS FIR-LARCH

#3
STUD
STANDARD

SOUTHERN PINE

#3
STUD
STANDARD

GROUP B:

HEM-FIR

#1 & BTR
#1

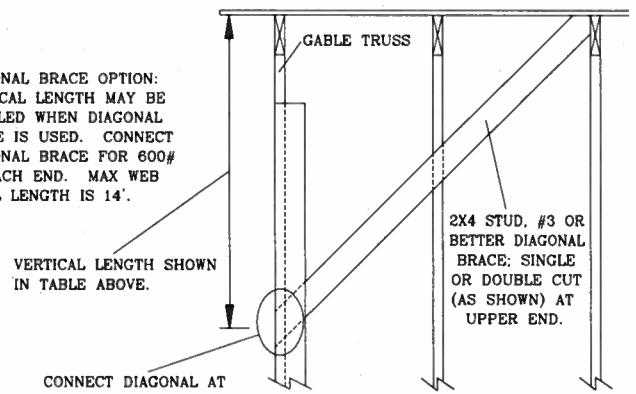
SOUTHERN PINE

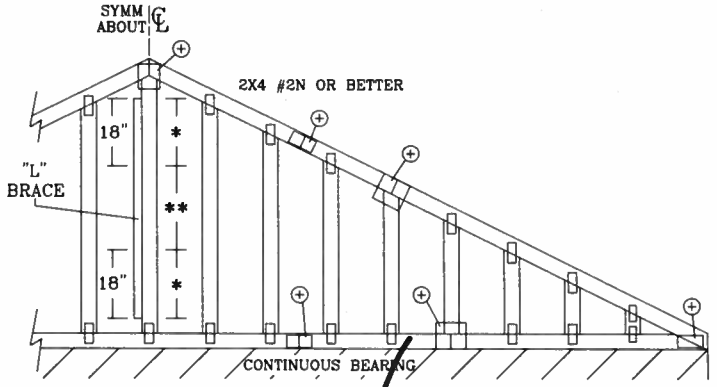
#1
#2

DOUGLAS FIR-LARCH

#1
#2

DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.





REFER TO CHART ABOVE FOR MAX. ALLOWABLE VERTICAL LENGTH.

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.
* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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ARTHUR R. FISHER LICENSE No. 59687 STATE OF FLORIDA PROFESSIONAL ENGINEER

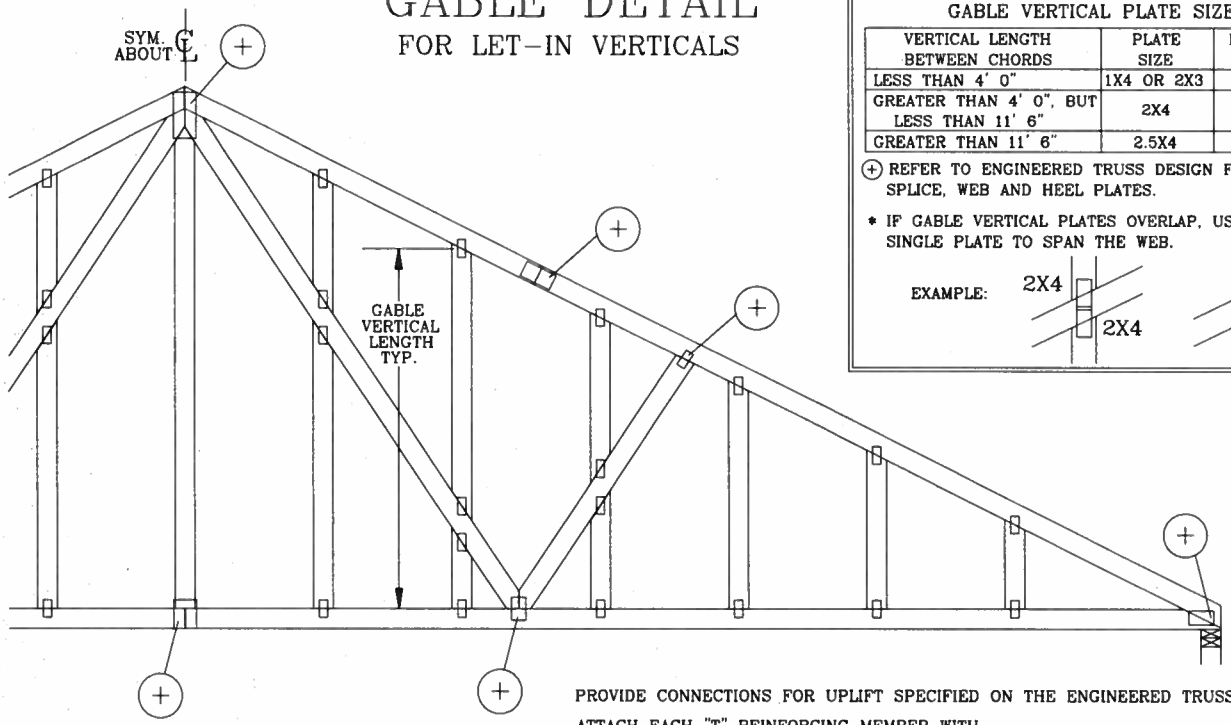
Dec 08

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-98-GAB11015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	

GABLE DETAIL
FOR LET-IN VERTICALS

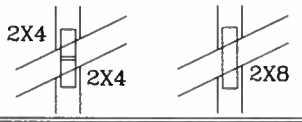


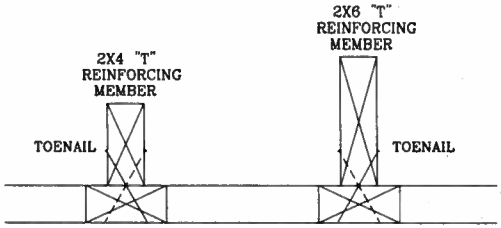
GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:





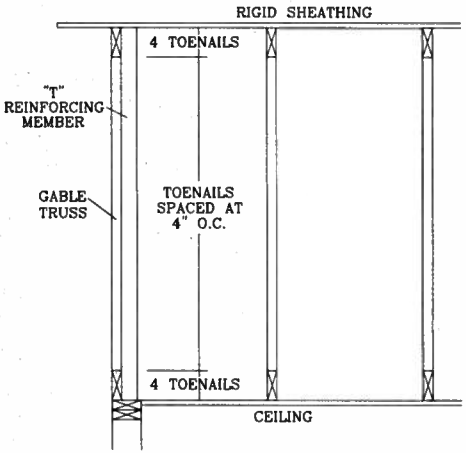
TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:
ASCE WIND SPEED = 100 MPH
MEAN ROOF HEIGHT = 30 FT
GABLE VERTICAL = 24" O.C. SP #3
"T" REINFORCING MEMBER SIZE = 2X4
"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
(1) 2X4 "L" BRACE LENGTH = 6' 7"
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH
1.10 x 6' 7" = 7' 3"



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH
HAND DRIVEN NAILS:
10d COMMON TOENAILS AT 4" O.C. PLUS (4) 16d COMMON TOENAILS IN TOP AND BOTTOM CHORD.
GUN DRIVEN NAILS - 0.131" X 3":
TOENAILS AT 4" O.C. PLUS (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.
ASCE 7-93 GABLE DETAIL DRAWINGS
A11015EN1103, A10015EN1103, A09015EN1103, A08015EN1103, A07015EN1103
A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103
ASCE 7-98 GABLE DETAIL DRAWINGS
A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103
A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103
SBCCI GABLE DETAIL DRAWINGS
S11015EN1103, S10015EN1103, S09015EN1103, S08015EN1103, S07015EN1103
S11030EN1103, S10030EN1103, S09030EN1103, S08030EN1103, S07030EN1103

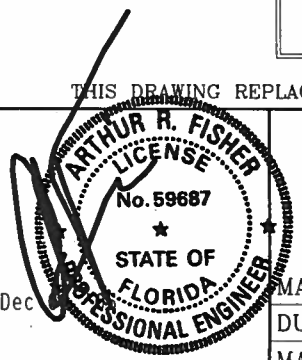
SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

ALPINE
ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI. 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/S/K) ASTM A653 GRADE 40/60 (W,K/H,S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



Dec

MAX TOT. LD. 60 PSF
DUR. FAC. ANY
MAX SPACING 24.0"

REF	LET-IN VERT
DATE	01/16/04
DRWG	GBLLETIN1103
-ENG	DLJ/KAR