

DATE 07/27/2012

Columbia County Building Permit

PERMIT

This Permit Must Be Prominently Posted on Premises During Construction

000030323

APPLICANT CHARLES HUDSON PHONE 352.378.2857
ADDRESS 101 SW 140TH TERRACE, STE. B. NEWBERRY FL 32669
OWNER MIKE SHAW/MAYO FERTILIZER PHONE 386.752.3155
ADDRESS 413 NE MCCLOSKEY AVE LAKE CITY FL 32055
CONTRACTOR WAYNE C. BRYANT PHONE 352.378.2857
LOCATION OF PROPERTY 90E, TL ON MCCLOSKEY AVENUE, 1/4 MILE,TR THROUGH GATES.
OFFICE IS FIRST BLDG.
TYPE DEVELOPMENT OFFICE ADDITION ESTIMATED COST OF CONSTRUCTION 80000.00
HEATED FLOOR AREA 1600.00 TOTAL AREA 1636.00 HEIGHT 16.60 STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 5'12 FLOOR CONC
LAND USE & ZONING I MAX. HEIGHT 35
Minimum Set Back Requirments: STREET-FRONT 20.00 REAR 15.00 SIDE 15.00
NO. EX.D.U. 1 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 36-3S-17-07463-002 SUBDIVISION _____
LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 24.10

CGC011606



Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
EXISTING 12-0327 BLK TC N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

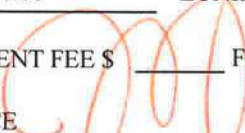

COMMENTS: EXISTING PARKING CAN HANDLE THE ADDITIONAL OFFICE SPACE AS REQUIRED BY
THE LDR'S. NOC ON FILE.

Check # or Cash 1190

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power _____ Foundation _____ Monolithic _____
date/app. by _____ date/app. by _____ date/app. by _____
Under slab rough-in plumbing _____ Slab _____ Sheathing/Nailing _____
date/app. by _____ date/app. by _____ date/app. by _____
Framing _____ Insulation _____
date/app. by _____ date/app. by _____
Rough-in plumbing above slab and below wood floor _____ Electrical rough-in _____
date/app. by _____ date/app. by _____
Heat & Air Duct _____ Peri. beam (Lintel) _____ Pool _____
date/app. by _____ date/app. by _____ date/app. by _____
Permanent power _____ C.O. Final _____ Culvert _____
date/app. by _____ date/app. by _____ date/app. by _____
Pump pole _____ Utility Pole _____ M/H tie downs, blocking, electricity and plumbing _____
date/app. by _____ date/app. by _____ date/app. by _____
Reconnection _____ RV _____ Re-roof _____
date/app. by _____ date/app. by _____ date/app. by _____

BUILDING PERMIT FEE \$ 400.00 CERTIFICATION FEE \$ 8.18 SURCHARGE FEE \$ 8.18
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ TOTAL FEE 491.36
INSPECTORS OFFICE  CLERKS OFFICE 

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

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

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED NOT SUSPENDED, ABANDONED OR INVALID WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS OT THE PREVIOUS INSPECTION.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

CEG IT EXP
TYSON Kissins
Sawm

7.18.12 EXP
DE S - RUDOLPH LAB
Columbia County Building Permit Application

Bryant
ALL LICENSE - UPDATED

For Office Use Only Application # 1207-21 Date Received 7/11 By JW Permit # 30323
Zoning Official BLK Date 25 July 2012 Flood Zone X Land Use I Zoning I
FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner J.C. Date 7-24-12
Comments Existing parking can handle the additional office space as required by the LDR's
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☐ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
IMPACT FEES: EMS _____ Fire _____ Corr _____ ☒ Sub VF Form
Road/Code _____ School _____ = TOTAL (Suspended) ☐ Ellisville Water ☒ App Fee Paid

Septic Permit No. 12-0327 Fax 352-378-5662
Name Authorized Person Signing Permit Charles Hudson Phone 352-378-2857
Address 101 SW 140th Terrace Suite B. Newberry, FL 32669
Owners Name Michael Shaw - Mayo Fertilizer Inc. Phone 386-752-3155
911 Address 413 N.E. McCloskey Ave. Lake City, FL 32055
Contractors Name Bryant Construction Co. Inc. Phone 352-378-2857
Address 101 SW 140th Terrace Suite B. Newberry, FL 32669
Fee Simple Owner Name & Address Mayo Fertilizer Inc. (Michael Shaw) P.O. Box 357 Mayo, FL 32066
Bonding Co. Name & Address N/A
Architect/Engineer Name & Address Mark Disosway P.O. Box 868 Lake City, FL 32025
Mortgage Lenders Name & Address N/A
Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy
Property ID Number R07463-002 - (36-35-17) Estimated Cost of Construction \$80,000.00
Subdivision Name N/A Lot _____ Block _____ Unit _____ Phase _____
Driving Directions Hwy 90 East across from Lake City Airport. Behind us Refrigeration
Left on McCloskey 1/4 mile then right through gates office is first building.
Number of Existing Dwellings on Property 0
Construction of Office Addition Total Acreage 24.100 Lot Size _____
Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 16'6"
Actual Distance of Structure from Property Lines - Front 88' Side R 313' Side L 194' Rear 728'
Number of Stories 1 Heated Floor Area 1600 Total Floor Area 1636 Roof Pitch 5/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. CODE: Florida Building Code 2010 and the 2008 National Electrical Code.

JW spoke w/ LINDA BRYANT 7.25.12 \$491.36 1170

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION: An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

TIME LIMITATIONS OF PERMITS: Every permit issued shall become invalid unless the work authorized by such permit is commenced within 180 days after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of 180 days after the time work is commenced. A valid permit receives an approved inspection every 180 days. Work shall be considered not suspended, abandoned or invalid when the permit has received an approved inspection within 180 days of the previous approved inspection.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE: **YOU ARE HEREBY NOTIFIED** as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I CERTIFY THAT ALL THE FOREGOING INFORMATION IS ACCURATE AND THAT ALL WORK WILL BE DONE IN COMPLIANCE WITH ALL APPLICABLE LAWS REGULATING CONSTRUCTION AND ZONING.

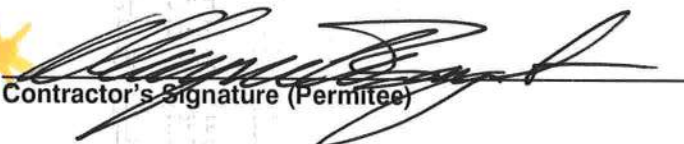
NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)


Owners Signature

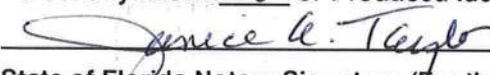
****OWNER BUILDERS MUST PERSONALLY APPEAR AND SIGN THE BUILDING PERMIT.**

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit including all application and permit time limitations.

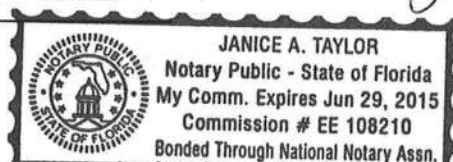

Contractor's Signature (Permittee)

Contractor's License Number CC011606
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 10 day of July 20 12.
Personally known ☒ or Produced Identification _____


State of Florida Notary Signature (For the Contractor)

SEAL:



Troy Crews

From: David Boozer
Sent: Monday, July 23, 2012 5:12 PM
To: Troy Crews
Subject: RE: mayo fertilizer

Troy,

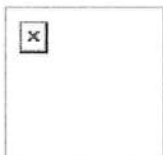
I have no problems with the plans. You can issue permit.

David L. Boozer

Interim Fire Chief
Columbia County Fire Rescue
Office (386) 754-7071
Cell (386) 867-2979
david_boozer@columbiacountyfla.com
<http://www.columbiacountyfire.com>

From: Troy Crews
Sent: Monday, July 23, 2012 2:37 PM
To: David Boozer
Subject: mayo fertilizer

Just checking to see how we are doing with plans.



M. Troy Crews
Building Official II (C.B.O.)
Columbia County
Fax 386-758-2160
Phone 386-758-1040
troy_crews@columbiacountyfla.com

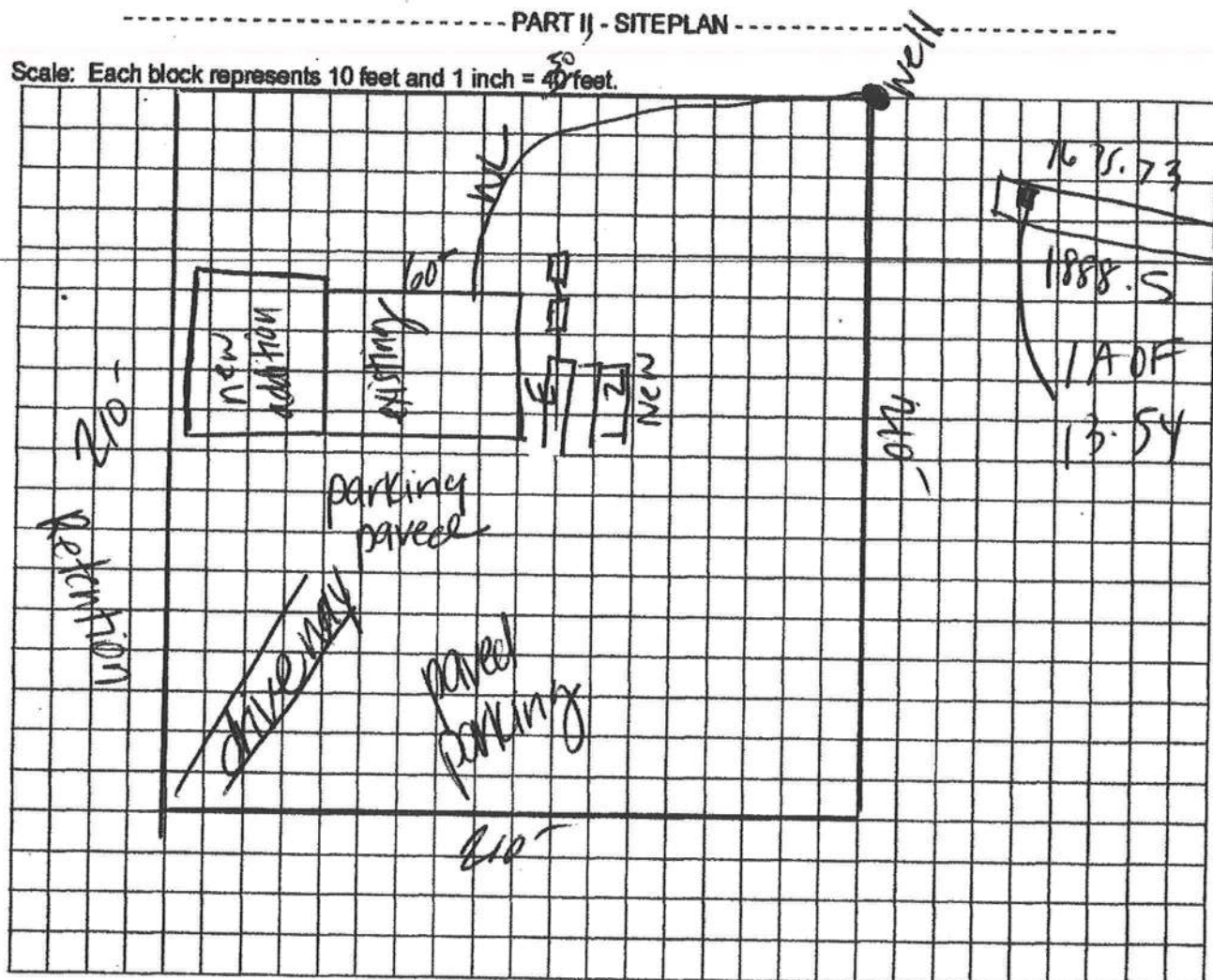
7/24/2012

STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR CONSTRUCTION PERMIT

Permit Application Number 12-0527

PART II - SITEPLAN

Scale: Each block represents 10 feet and 1 inch = $\frac{50}{12}$ feet.



Notes:

Job Site Address:

parcel ID # :

County:

Site Plan submitted by: R.C. Ford

- Ronald Ford

master contractor

Plan Approved ☒

Not Approved_____

Date 7/13/12

4

Column 4

County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DP-4015, 08/09 (Obsoletes previous editions which may not be used) Incorporated: 64E-6.001, FAC
(Stock Number: 5744-002-4015-6)

Page 2 of 4

9

SUNSHINE #

DONE ON:



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO. B-0327
DATE PAID: 7/11/12
FEE PAID: 310.00
RECEIPT #: 1909498
AP1077360

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary ☐

APPLICANT: Mayo Fertilizer, Inc.AGENT: Ronald Ford - Ford's Septic Tank Service, LLC.TELEPHONE: (386) 755-6288 officeMAILING ADDRESS: 116 N.W. Lawtey Way Lake City, Florida 32055

(386) 755-6944 fax

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (m) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: 1 BLOCK: 1 SUBDIVISION: Meets 3 Bounds PLATTED: PROPERTY ID #: 36-35-17-07463-002 ZONING: Ag I/M OR EQUIVALENT: ☒ Y ☐ NPROPERTY SIZE: 24.10 ACRES WATER SUPPLY: ☐ PRIVATE ☒ PUBLIC ☒ <=2000GPD ☐ >2000GPDIS SEWER AVAILABLE AS PER 381.0065, FS? ☒ Y ☐ NDISTANCE TO SEWER: N/A FTPROPERTY ADDRESS: 413 NE McCloskey Ave Lake City, FL 32055DIRECTIONS TO PROPERTY: Hwy 90 East. (L) on McCloskey.property on (R)

BUILDING INFORMATION

☐ RESIDENTIAL☒ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	OFFICE		4000 ft ²	8 employees / 8 hr shift
2				4000 / 100 = 40 (15) = 6000 GPD
3				600 GPD
4				

☐ Floor/Equipment Drains ☐ Other (Specify) SIGNATURE: ac Ford

- Ronald Ford

DATE: 7-11-2012

Columbia County Property Appraiser

CAMA updated: 6/7/2012

2011 Tax Year

Parcel: 36-3S-17-07463-002

<< Next Lower Parcel Next Higher Parcel >>

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

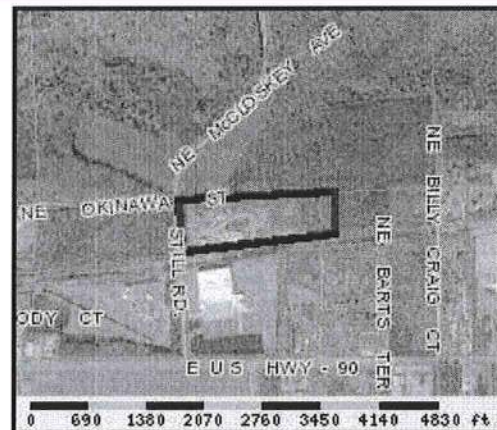
Interactive GIS Map

Print

Owner & Property Info

Search Result: 1 of 1

Owner's Name	MAYO FERTILIZER INC		
Mailing Address	P O BOX 357 MAYO, FL 32066		
Site Address	413 NE MCCLOSKEY AVE		
Use Desc. (code)	LIGHT MANU (004100)		
Tax District	2 (County)	Neighborhood	36317
Land Area	24.100 ACRES	Market Area	06
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction. COMM NW COR, RUN E 1675.73 FT TO E R/W RD FOR POB, CONT E 1888.5 FT TO NE COR OF NW1/4 OF THE NE1/4, RUN S 502.11 FT TO N R/W OF RR, W ALONG R/W 1847.5 FT TO E R/W OF RD, N 624.9 FT TO POB. ORB 461-414, 885-663, WD 1040-2006		



Property & Assessment Values

2011 Certified Values		
Mkt Land Value	cnt: (0)	\$250,356.00
Ag Land Value	cnt: (1)	\$0.00
Building Value	cnt: (3)	\$1,258,304.00
XFOB Value	cnt: (9)	\$383,823.00
Total Appraised Value		\$1,892,483.00
Just Value		\$1,892,483.00
Class Value		\$0.00
Assessed Value		\$1,892,483.00
Exempt Value	(code: ID)	\$1,642,127.00
Total Taxable Value	Cnty: \$250,356 Other: \$1,892,483 Schl:	\$1,892,483

2012 Working Values

NOTE:
2012 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
3/10/2005	1040/2006	WD	V	Q		\$445,500.00
7/15/1999	885/663	WD	V	Q		\$134,400.00
11/1/1978	415/540	03	V	Q		\$96,000.00

Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
1	OFFICE LOW (004900)	2006	(32)	2400	2460	\$122,255.00
2	PREF M B A (008700)	2006	PREFIN MTL (27)	4800	4872	\$128,672.00
3	WAREH STOR (008400)	2007	REINF CONC (23)	29744	33149	\$936,556.00
Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
------	------	----------	-------	-------	------	--------------------

Janice Williams

From: Ron Croft
Sent: Thursday, July 12, 2012 8:41 AM
To: Janice Williams
Subject: RE: FYI

413 NE MCCLOSKEY AVE LAKE CITY FL 32055

Valid Address.

Ronal N. Croft

Columbia County 911 Addressing / GIS Department
P.O. Box 1787
Lake City, FL 32056-1787
Phone: 386-758-1125
Fax: 386-758-1365
E-Mail: ron_croft@columbiacountyfla.com

From: Janice Williams
Sent: Wednesday, July 11, 2012 2:09 PM
To: Ron Croft
Subject: FYI

RON: PLEASE VERIFY R-07463-002 ADDRESS...

413 NE MCCLOSKEY AVENUE IS CURRENTLY ON FILE ON 2 PREVIOUS PERMITS WE ISSUED IN 2006.

THEY'RE ONLY ADDING 1660 SQUARE FT SIDE ADDITION.... TO OFFICE...

THANKS...JANICE & LAURIE

**IF THE APPLICANT NEED TO REAPPLY, PLEASE ADVISE & WE WILL MAKE CONTACT W/HIM..



SUWANNEE RIVER WATER MANAGEMENT DISTRICT

June 5, 2012

Mr. Michael Shaw
Mayo Fertilizer
Post Office Box 357
Mayo, Florida 32066

Subject: Requested Environmental Resource Permit (ERP) Exemption for
ERP04-0523M, Mayo Fertilizer - Lake City, Columbia County

Dear Mr. Shaw:

The above mentioned proposed project of constructing a building addition does not require a new ERP or a modification to the existing permit, ERP04-0523, by the Suwannee River Water Management District (District). This decision was based on the existing permit, and information submitted by Wayne Bryant of Bryant Construction Company on May 24, 2012. It has been determined that the proposed project follows subsection 40B-4.1070(1)(c) Florida Administrative Code (F.A.C.), and provides reasonable assurance that:

1. The existing storm water system is functioning as permitted.
2. The master system will not change as a result of the connection.
3. The project will not exceed any thresholds established by the existing permit.

If this project does not comply with these terms, a permit will be required.

This exemption, however, does not exempt you from obtaining permits from any other regulatory agency. Any modification to the exempted plans that may be required shall require reconsideration by the District prior to commencement of construction.

If you have any questions, please contact me by phone at 386.362.0440, or by email at LRM@srwmd.org.

Sincerely,

A handwritten signature in dark ink, appearing to read "Leroy Marshall II", followed by the initials "LR" in a larger, stylized font.

Leroy Marshall II, P.E., CFM
Senior Professional Engineer

LM/rl

cc: Bryant Construction Company

Water for Nature, Water for People

Columbia County Property Appraiser

CAMA updated: 6/7/2012

2011 Tax Year

Tax Collector

Tax Estimator

Property Card

Parcel List Generator

Interactive GIS Map

Print

Parcel: 36-3S-17-07463-002

<< Next Lower Parcel

Next Higher Parcel >>

Search Result: 1 of 1

Owner & Property Info

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COMM NW COR, RUN E 1675.73 FT TO E R/W RD FOR POB, CONT E 1888.5 FT TO NE COR OF NW1/4 OF THE NE1/4, RUN S 502.11 FT TO N R/W OF RR, W ALONG R/W 1847.5 FT TO E R/W OF RD, N 624.9 FT TO POB. ORB 461-414, 885-663, WD 1040- 2006			



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Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0283	RR SPUR	2006	\$114,600.00	0000001.000	0 x 0 x 0	(000.00)
0140	CLFENCE 6	2006	\$34,955.00	0004906.000	0 x 0 x 0	AP (025.00)
0161	3-STRAND B	2006	\$6,440.00	0004906.000	0 x 0 x 0	AP (025.00)
0040	BARN,POLE	2007	\$2,880.00	0000960.000	0 x 0 x 0	(000.00)
0260	PAVEMENT-A	2007	\$165,298.00	0089350.000	0 x 0 x 0	(000.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
004100	LIGHT MFG (MKT)	24.1 AC	1.00/1.00/1.00/1.00	\$9,349.43	\$225,321.00

Columbia County Property Appraiser

CAMA updated: 6/7/2012

1 of 1

DISCLAIMER

This information was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, it's use, or it's interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

wrightsoft® Load Short Form
Entire House
P.O.Box 1617

Job: Bounds HVAC
Date: Jun 13, 2012
By: Robert Bounds

25645 W. Newberry Rd., Newberry, FL 32869 Phone: 352-472-2761 Fax: 352-472-1809 Email: robertbounds@rocketmail.com Web: www.boundshvac.com

Project Information

For: Bryant Construction, Mayo Fertilizer

Design Information

	Htg	Clg	Infiltration	Simplified
Outside db (°F)	33	92		
Inside db (°F)	68	75		
Design TD (°F)	35	17		
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	10	50		
			Method	Tight
			Construction quality	0
			Fireplaces	

HEATING EQUIPMENT

Make Carrier
Trade BASE 13 PURON HP
Model 25HBB342A50
AHRI ref no.3507574

Efficiency 8.2 HSPF
Heating input
Heating output 41500 Btuh @ 47°F
Temperature rise 28 °F
Actual air flow 1350 cfm
Air flow factor 0.055 cfm/Btuh
Static pressure 1.00 in H2O
Space thermostat

COOLING EQUIPMENT

Make Carrier
Trade BASE 13 PURON HP
Cond 25HBB342A50
Coil FY4ANF042
AHRI ref no.3507574

Efficiency 10.4 EER, 13 SEER
Sensible cooling 28350 Btuh
Latent cooling 12150 Btuh
Total cooling 40500 Btuh
Actual air flow 1350 cfm
Air flow factor 0.048 cfm/Btuh
Static pressure 1.00 in H2O
Load sensible heat ratio 0.85



ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
Office 3	154	3714	3566	204	172
Office 4	154	2054	2796	113	135
Room3	112	0	0	0	0
Office 2	208	2405	3286	132	158
Main Office	224	4626	4536	254	219
Office 5	180	3883	3678	213	177
Office 6	182	2318	3198	127	154
Office 7	169	3704	3587	203	173
Room9	66	171	206	9	10
Room10	231	1725	3157	95	152

Bold/italic values have been manually overridden

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



wrightsoft®

Right-Suite® Universal 8.0.24 RSU01870

Project1.rup Calc = MJ8 Front Door faces: N

2012-Jun-13 09:52:52

Page 1

Entire House	d	1680	24601	28011	1350	1350
Other equip loads			0	0		
Equip. @ 0.97 RSM				27171		
Latent cooling				4914		
TOTALS		1680	24601	32085	1350	1350

Bold/Italic values have been manually overridden

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



wrightsoft

Right-Suite® Universal 8.0.24 RSU01870

2012-Jun-13 09:52:52

Page 2

Project1.rup Calc = MJ8 Front Door faces: N

wrightsoft **Project Summary**
Entire House
P.O.Box 1617

Job: Bounds HVAC
 Date: Jun 13, 2012
 By: Robert Bounds

25645 W. Newberry Rd., Newberry, FL 32669 Phone: 352-472-2781 Fax: 352-472-1809 Email: robertbounds@rocketmail.com Web: www.boundshvac.com

Project Information

For: Bryant Construction, Mayo Fertilizer

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db 33 °F
 Inside db 68 °F
 Design TD 35 °F

Summer Design Conditions

Outside db 92 °F
 Inside db 75 °F
 Design TD 17 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 50 gr/lb

Heating Summary

Structure 17140 Btuh
 Ducts 7461 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 24601 Btuh

Sensible Cooling Equipment Load Sizing

Structure 18975 Btuh
 Ducts 9036 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.97
 Equipment sensible load 27171 Btuh

Infiltration

Method Construction quality Simplified Tight
 Fireplaces 0
 Area (ft²) Heating Cooling
 Volume (ft³) 1680 1680
 Air changes/hour 0.14 0.07
 Equiv. AVF (cfm) 39 20

Latent Cooling Equipment Load Sizing

Structure 2667 Btuh
 Ducts 2247 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 4914 Btuh
 Equipment total load 32085 Btuh
 Req. total capacity at 0.70 SHR 3.2 ton

Heating Equipment Summary

Make Carrier
 Trade BASE 13 PURON HP
 Model 25HBB342A50
 AHRI ref no. 3507574
 Efficiency 8.2 HSPF
 Heating input
 Heating output 41500 Btuh @ 47°F
 Temperature rise 28 °F
 Actual air flow 1350 cfm
 Air flow factor 0.055 cfm/Btuh
 Static pressure 1.00 in H2O
 Space thermostat

Cooling Equipment Summary

Make Carrier
 Trade BASE 13 PURON HP
 Cond 25HBB342A50
 Coil FY4ANF042
 AHRI ref no. 3507574
 Efficiency 10.4 EER, 13 SEER
 Sensible cooling 28350 Btuh
 Latent cooling 12150 Btuh
 Total cooling 40500 Btuh
 Actual air flow 1350 cfm
 Air flow factor 0.048 cfm/Btuh
 Static pressure 1.00 in H2O
 Load sensible heat ratio 0.85

Bold/italic values have been manually overridden

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



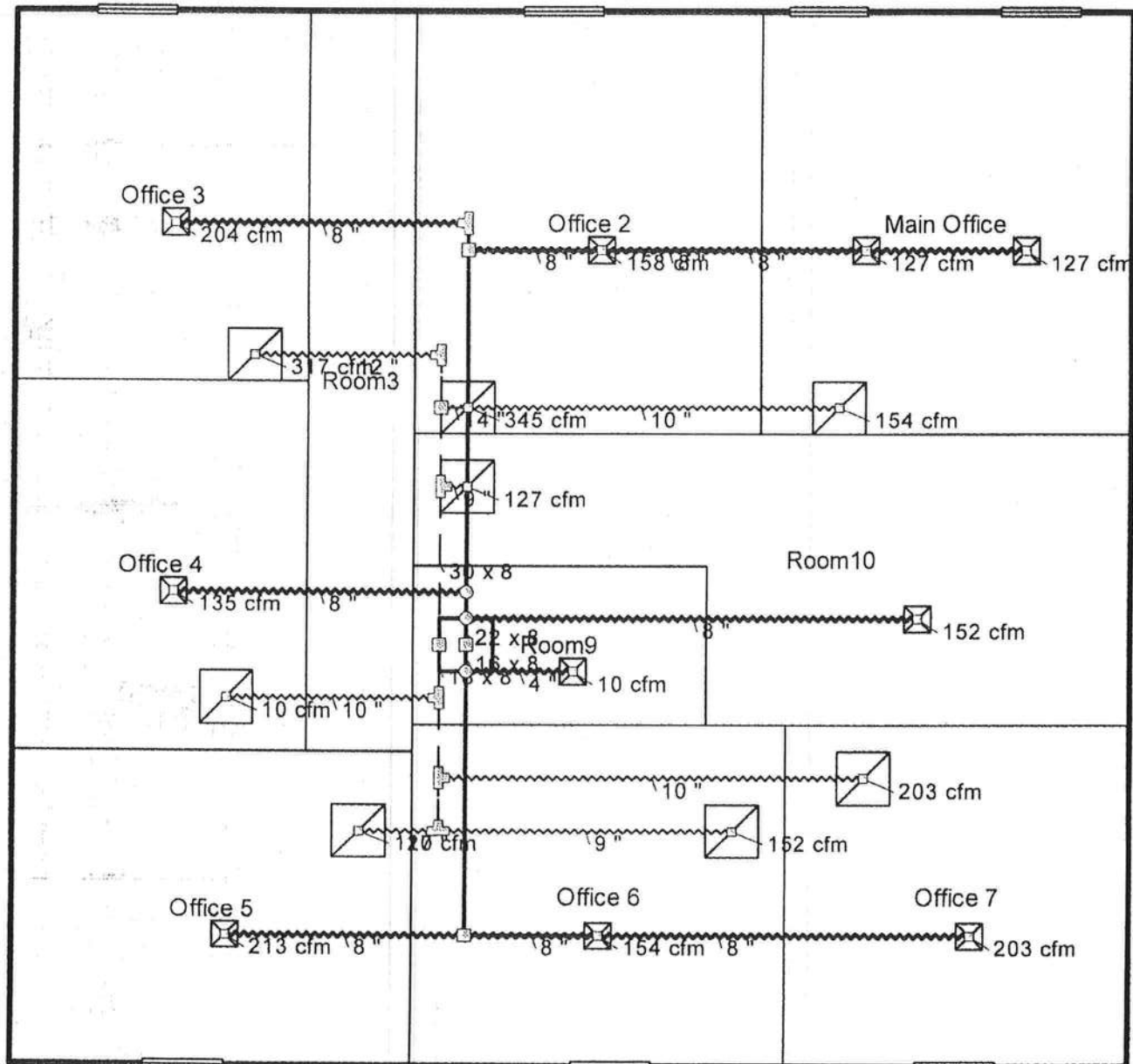
wrightsoft

Right-Suite® Universal 8.0.24 RSU01870

Project1.rup Calc = MJ8 Front Door faces: N

2012-Jun-13 09:52:52

Page 1

**Level 1**

wrightsoft **Duct System Summary**
Entire House
P.O.Box 1617

Job: Bounds HVAC
 Date: Jun 13, 2012
 By: Robert Bounds

25645 W. Newberry Rd., Newberry, FL 32869 Phone: 352-472-2761 Fax 352-472-1809 Email: robertbounds@rocketmail.com Web: www.boundshvac.com

Project Information

For: Bryant Construction, Mayo Fertilizer

	Heating	Cooling
External static pressure	1.00 in H2O	1.00 in H2O
Pressure losses	0.30 in H2O	0.30 in H2O
Available static pressure	0.70 in H2O	0.70 in H2O
Supply / return available pressure	0.45 / 0.25 in H2O	0.45 / 0.25 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	1350 cfm	1350 cfm
Total effective length (TEL)	326 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
Main Office	h 2313	127	109	0.100	8.0	0x0	VIFx	30.0	170.0	st2
Main Office-A	h 2313	127	109	0.100	8.0	0x0	VIFx	36.0	170.0	st2
Office 2	c 3286	132	158	0.100	8.0	0x0	VIFx	20.0	170.0	st2
Office 3	h 3714	204	172	0.100	8.0	0x0	VIFx	27.0	180.0	st2
Office 4	c 2796	113	135	0.100	8.0	0x0	VIFx	13.0	180.0	st2
Office 5	h 3883	213	177	0.100	8.0	0x0	VIFx	20.0	160.0	st1
Office 6	c 3198	127	154	0.100	8.0	0x0	VIFx	16.0	160.0	st1
Office 7	h 3704	203	173	0.100	8.0	0x0	VIFx	30.0	160.0	st1
Room10	c 3157	95	152	0.100	8.0	0x0	VIFx	18.0	190.0	st2
Room9	c 206	9	10	0.100	4.0	0x0	VIFx	5.0	170.0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	553	514	0.100	622	11.6	8 x 16	RectFbg	
st2	Peak AVF	797	836	0.100	684	13.6	8 x 22	RectFbg	

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb1	0x0	127	109	87.0	0.050	287	9.0	0x 0		VIFx	rt2
rb2	0x0	317	307	103.0	0.050	403	12.0	0x 0		VIFx	rt2
rb3	0x0	9	10	90.0	0.050	18	10.0	0x 0		VIFx	rt1
rb4	0x0	127	109	110.0	0.050	233	10.0	0x 0		VIFx	rt1
rb5	0x0	345	336	90.0	0.050	323	14.0	0x 0		VIFx	rt2
rb6	0x0	95	152	118.0	0.050	344	9.0	0x 0		VIFx	rt1
rb7	0x0	203	173	111.0	0.050	373	10.0	0x 0		VIFx	rt1
rb8	0x0	127	154	104.0	0.050	283	10.0	0x 0		VIFx	rt2

Return Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
rt1	Peak AVF	434	444	0.050	444	12.3	8 x 18	RectFbg	
rt2	Peak AVF	916	906	0.050	549	16.1	8 x 30	RectFbg	

Bold/Italic values have been manually overridden

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A. SWINGING	RePublic	Hollow metal Door + Frame	FL 4304-51
B. SLIDING			
C. SECTIONAL			
D. ROLL UP			
E. AUTOMATIC			
F. OTHER			
2. WINDOWS			
A. SINGLE HUNG	PGT	2100 Series	FL1435.5
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. DOUBLE HUNG			
E. FIXED			
F. AWNING			
G. PASS THROUGH			
H. PROJECTED			
I. MULLION			
J. WIND BREAKER			
K. DUAL ACTION			
L. OTHER			
3. PANEL WALL			
A. SIDING	James Hardie	Hardie Plank Lap Siding	FL 13192
B. SOFFITS	KaYCan	Aluminum Vented Soffit	FL 12198
C. EIFS			
D. STOREFRONTS			
E. CURTAIN WALLS			
F. WALL LOUVER			
G. GLASS BLOCK			
H. MEMBRANE			
I. GREENHOUSE			
J. OTHER			
4. ROOFING PRODUCTS			
A. ASPHALT SHINGLES	Owens Corning	Suprem AR	FL 2277.7/FL 85.7
B. UNDERLAYMENTS			
C. ROOFING FASTENERS			
D. NON-STRUCTURAL METAL ROOFING			
E. WOOD SHINGLES AND SHAKES			
F. ROOFING TILES			
G. ROOFING INSULATION			
H. WATERPROOFING			
I. BUILT UP ROOFING ROOF SYSTEMS			
J. MODIFIED BITUMEN			
K. SINGLE PLY ROOF SYSTEMS			
L. ROOFING SLATE			
M. CEMENTS-ADHESIVES COATINGS			



Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
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N. LIQUID APPLIED ROOF SYSTEMS			
O. ROOF TILE ADHESIVE			
P. SPRAY APPLIED POLYURETHANE ROOF			
Q. OTHER			
5. SHUTTERS			
A. ACCORDION			
B. BAHAMA			
C. STORM PANELS			
D. COLONIAL			
E. ROLL-UP			
F. EQUIPMENT			
G. OTHERS			
6. SKYLIGHTS			
A. SKYLIGHT			
B. OTHER			
7. STRUCTURAL COMPONENTS			
A. WOOD CONNECTORS/ ANCHORS	Simpson Strong Tie	SPH4-10456.46 H3-16456.13 SPH6-10456.47 STA2122410852.4	AB466-10849.6 HUC410-10531.31
B. TRUSS PLATES	MiTek	MT2020	FL2197-R4
C. ENGINEERED LUMBER			
D. RAILING			
E. COOLERS-FREEZERS			
F. CONCRETE ADMIXTURES			
G. MATERIAL			
H. INSULATION FORMS			
I. PLASTICS			
J. DECK-ROOF			
K. WALL			
L. SHEDS			
M. OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			
B.			

The products listed below did not demonstrate product approval at plan review. I understand that at the time of inspection of these products, the following information must be available to the inspector on the jobsite; 1) copy of the product approval, 2) the performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.

X 
APPLICANT SIGNATURE

7-10-12
DATE

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Tax Parcel Identification Number:

R07463-002

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 719.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): See attached
 - a) Street (job) Address: 413 N.E. McKinley Ave Lakeland, FL 32055
2. General description of improvements: Adding 1100 sq ft of office space
3. Owner Information
 - a) Name and address: Michael Shaw P.O. Box 357 Mayo, FL 32066
 - b) Name and address of fee simple titleholder (if other than owner): _____
 - c) Interest in property: owner
4. Contractor Information
 - a) Name and address: Bryant Construction Co Inc 101 SW 140th Ter Suite B Newberry, FL 32669
 - b) Telephone No.: 352-378-8857 Fax No. (Opt.): 352-378-5662
5. Surety Information
 - a) Name and address: N/A
 - b) Amount of Bond: _____
 - c) Telephone No.: _____ Fax No. (Opt.): _____
6. Lender
 - a) Name and address: N/A
 - b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
 - a) Name and address: Same as #4
 - b) Telephone No.: _____ Fax No. (Opt.): _____
8. In addition to himself, owner designates the following person to receive a copy of the Lender's Notice as provided in Section 719.13(1)(b), Florida Statutes:
 - a) Name and address: Bryant Construction Co Inc 101 SW 140th Terrace Suite B Newberry, FL 32669
 - b) Telephone No.: 352-378-8857 Fax No. (Opt.): 352-378-5662
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
COUNTY OF COLUMBIA

10.

Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 11th day of July, 2012, by:
Michael Shaw as _____ (type of authority, e.g. officer, trustee, attorney
(att) for _____ (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification _____ Type _____

Notary Signature

Notary Stamp or Seal:



11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

Signature of Natural Person Signing (in line #10 above.)



Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

RE: MAYO-FERT-ADD - ROOF DESIGN INFO

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Mayo Fertilizer Project Name: MAYO FERTILIZER ADDITION Model:

Lot/Block: Subdivision:

Address:

City: Lake city

State: Florida

Name Address and License # of Structural Engineer of Record, if there is one, for the building.

Name: License #:

Address:

City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2010

Design Program: OnLine Plus 30.0.011

Wind Code: ASCE 7-10 Wind Speed: 120 mph

Floor Load: N/A psf

Roof Load: 40.0 psf

This package includes 2 individual, dated Truss Design Drawings and 0 Additional Drawings.

With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T4458542	R3	7/13/012
2	T4458543	R4	7/13/012



The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Velez, Joaquin

My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.

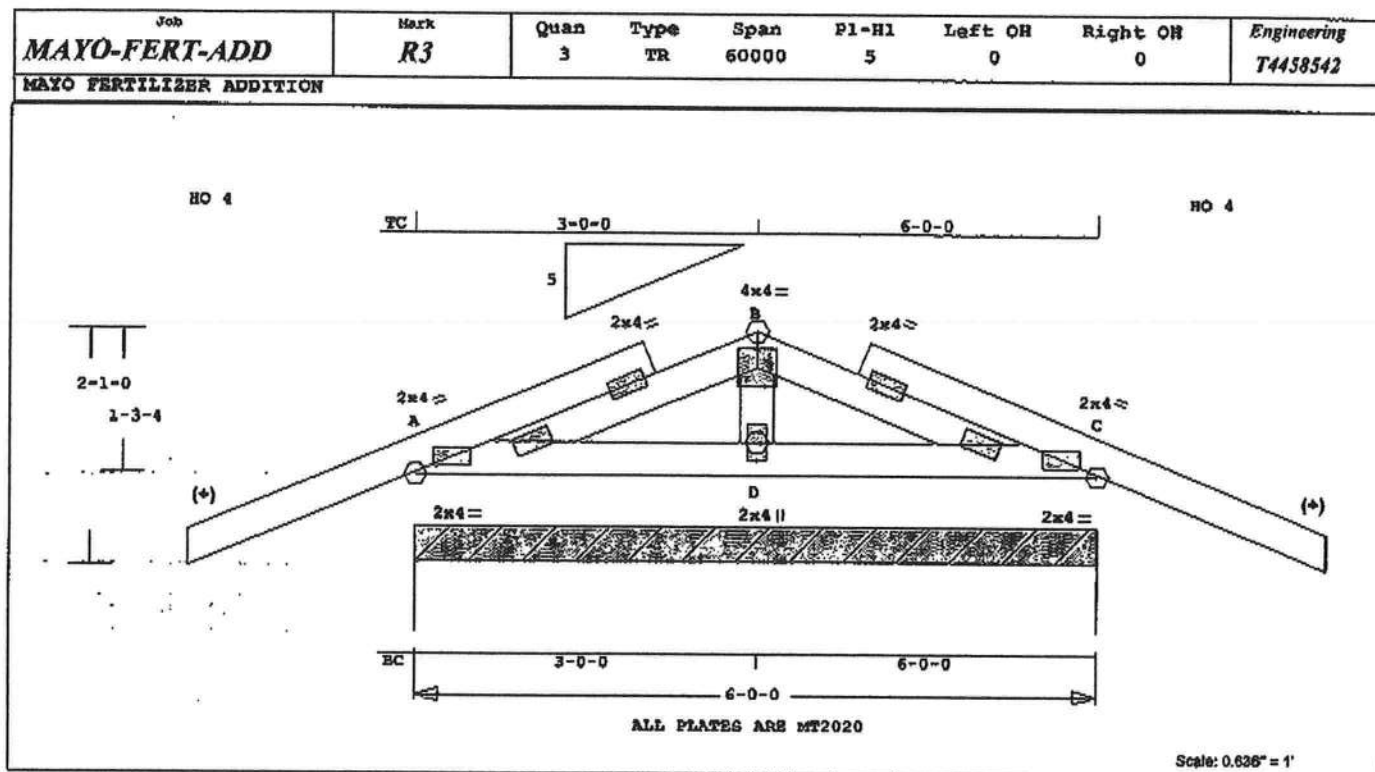


FL Cert. 6634

July 13, 2012

Velez, Joaquin

1 of 1



Online Plus -- Version 30.0.011
RUN DATE: 13-JUL-12

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UOW

CSI -Size- Lumber-
TC 0.02 2x 4 SP-#2 (+)
BC 0.02 2x 4 SP-#2
WB 0.01 2x 4 SP-#2

Brace truss as follows:

O.C.	From	To
TC Cont.	0-0-0	6-0-0
or 48.0"	0-0-0	6-0-0
BC Cont.	0-0-0	6-0-0
or 72.0"	0-0-0	6-0-0

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing 24.0"	
Lumber Duration Factor	1.25		
Plate Duration Factor	1.25		
Fb	Fc	Ft	
TC	1.15	1.10	1.10
BC	1.10	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 371

Jt Brg Size Required
A 72.0" 0"-to- 72"

Plus 15 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Ax1-CSI-End
-----Top Chords-----			
A-B	0.02	33 T	0.00 0.02
B-C	0.02	33 T	0.00 0.02

Mitek Online PlusTM APPROX. TRUSS WEIGHT: 39.0 LBS

-----Bottom Chords-----
A-D 0.02 0 T 0.00 0.02
D-C 0.02 0 T 0.00 0.02
-----Webs-----
D-B 0.01 90 T

TL Defl 0.00" in A-D L/999
LL Defl 0.00" in A-D L/999
Shear // Grain in A-B 0.06

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 2.0x 4.0 Ctr Ctr 0.68
B MT20 4.0x 4.0 Ctr Ctr 0.44
C MT20 2.0x 4.0 Ctr Ctr 0.68
D MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
Mitek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FRC2010
TPI 2007

Design checked for 10 psf non-
concurrent LL on BC.

Truss designed for wind loads
in the plane of the truss
only. For studs exposed to
wind (normal to the face),
see Standard Industry Cable
End Details as applicable,
or consult qualified
Building Designer as per

ANSI/TPI 1.

Wind Loads - ANSI / ASCE 7-10
Truss is designed as

Components and Claddings*
for Exterior zone location.

wind speed: 120 mph

Risk Category : II

Mean Roof Height: 15-0

Exposure Category: B

Building Type: Enclosed

TC Dead Load: 6.0 psf

BC Dead Load: 6.0 psf

Max comp. force 88 Lbs

Max tens. force 90 Lbs

Connector Plate Fabrication

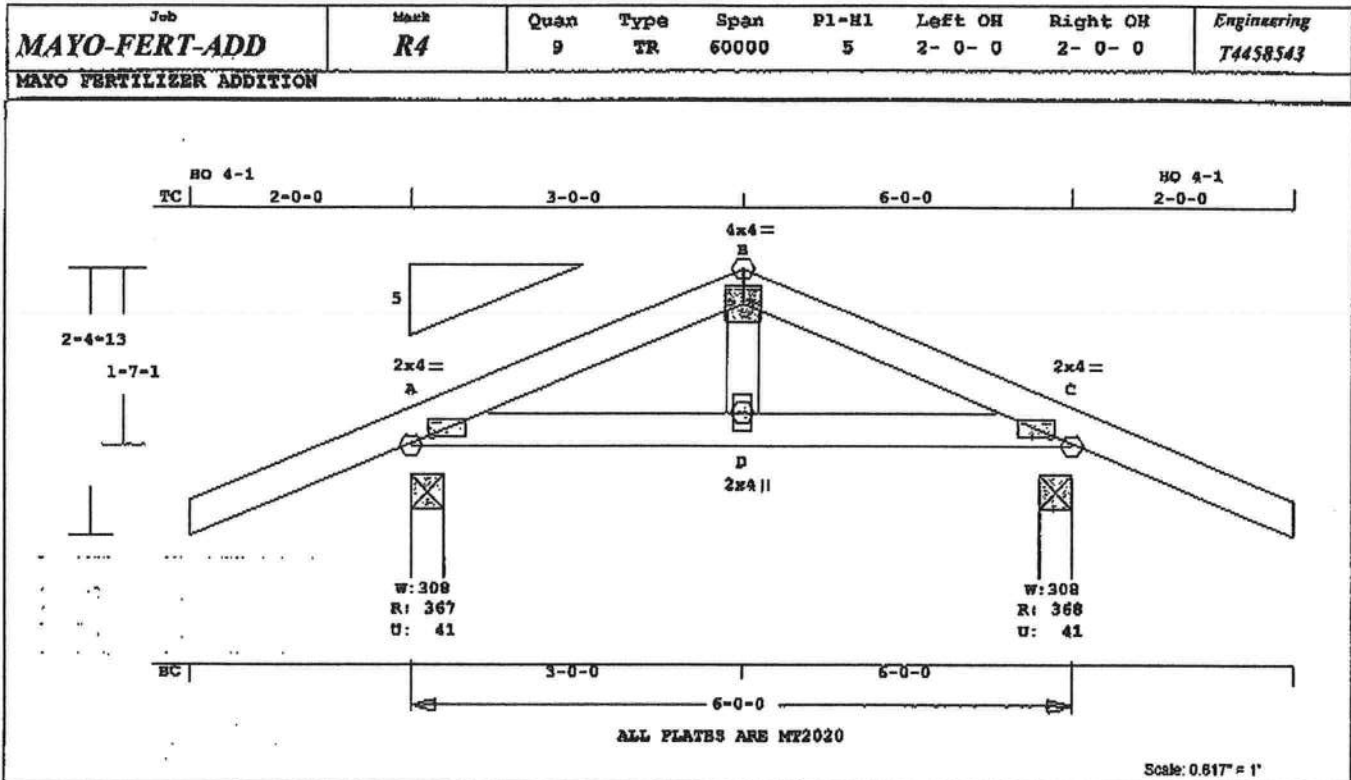
Tolerance = 20%

This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

July 13, 2012



Online Plus -- Version 30.0.011
Run Date: 13-JUL-12

Southern Pine Lumber design values are those effective 06-01-12 by SP18/ALSC UON

CSI -Size- ---Lumber---
TC 0.14 2x 4 SP-#2
BC 0.08 2x 4 SP-#2
WB 0.02 2x 4 SP-#2

Brace truss as follows:

	Q.C.	From	To
TC Cont.	0- 0- 0	6- 0- 0	
or 48.0"	0- 0- 0	6- 0- 0	
BC Cont.	0- 0- 0	6- 0- 0	
or 72.0"	0- 0- 0	6- 0- 0	

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber Duration Factor	1.25	
Plate Duration Factor	1.25	
	Fb	Fc
TC	1.15	1.10
BC	1.10	1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 368 42 U
C 368 42 U

Jt	Brg Size	Required
A	3.5"	1.5"
C	3.5"	1.5"

Plus 15 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	F Lbs	Ax1-CSI-Bnd
-----Top Chords-----			
A -B	0.14	465 T	0.07 0.07
B -C	0.14	465 T	0.07 0.07
-----Bottom Chords-----			
A -D	0.08	377 C	0.08 0.03
D -C	0.08	377 C	0.05 0.03

MiTek Online PlusTM APPROX. TROSS WEIGHT: 34.1 LBS

-----Webs-----
D -B 0.02 177 C

TL Defl -0.01" in A -D L/999
LL Defl 0.00" in A -D L/999
Shear // Grain in A -B 0.09

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X JSI
A MT20 2.0x 4.0 Ctr Ctr 0.68
B MT20 4.0x 4.0 Ctr Ctr 0.44
C MT20 2.0x 4.0 Ctr Ctr 0.68
D MT20 2.0x 4.0 Ctr Ctr 0.12

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:

FBC2010
TPI 2007
OR Loading
Soffit psf 2.0

This truss has been designed for 20.0 psf LL on the B.C. in areas where a rectangle 3- 6- 0 tall by 2- 0- 0 wide will fit between the B.C. and any other member.

Design checked for 10 psf non-concurrent LL on BC.

Wind Loads - ANSI / ASCE 7-10
Truss is designed as

Components and Claddings* for Exterior zone location.
Wind Speed: 120 mph
Risk Category : II
Mean Roof Height: 15-0

Exposure Category: B
Building Type: Enclosed
TC Dead Load: 6.0 psf
BC Dead Load: 6.0 psf
User-defined wind-exposed BC regions --From-- --To--
0- 0- 0 6- 0- 0
Max comp. force 377 Lbs
Max tens. force 465 Lbs
Connector Plate Fabrication Tolerance = 20%
This truss is designed for a creep factor of 1.5 which is used to calculate total load deflection.



FL Cert. 6634

July 13, 2012

ONLINE PLUS GENERAL NOTES & SYMBOLS

108

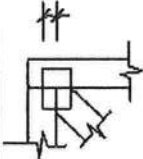


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

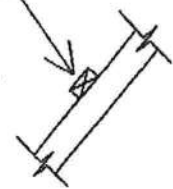


PLATE SIZE AND ORIENTATION

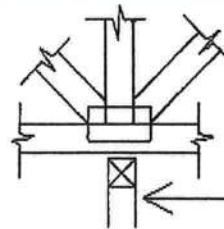
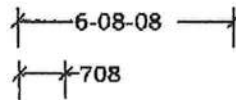
3x5 II



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117



Lumber design values are in accordance with ANSI/TPI 1-2007 section 6.3
These truss designs rely on lumber values established by others.

RE: MAYO-FERT-ADD -

MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Site Information:

Customer Info: Mayo Fertilizer Project Name: MAYO FERTILIZER ADDITION Model: .
Lot/Block: . Subdivision: .
Address: .
City: .lake city State: fkorida

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name: License #:
Address:
City: State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2010 Design Program: OnLine Plus 30.0.011
Wind Code: ASCE 7-10 Wind Speed: 120 mph Floor Load: N/A psf
Roof Load: 40.0 psf

This package includes 2 individual, dated Truss Design Drawings and 0 Additional Drawings.
With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date
1	T4453383	R1	7/6/012
2	T4453384	R2	7/6/012



The truss drawing(s) referenced above have been prepared by MiTek Industries, Inc. under my direct supervision based on the parameters provided by Mayo Truss Company, Inc..

Truss Design Engineer's Name: Albani, Thomas

My license renewal date for the state of Florida is February 28, 2013.

NOTE: The seal on these drawings indicate acceptance of professional engineering responsibility solely for the truss components shown. The suitability and use of this component for any particular building is the responsibility of the building designer, per ANSI/TPI-1 Sec. 2.



FL Cert. 6634

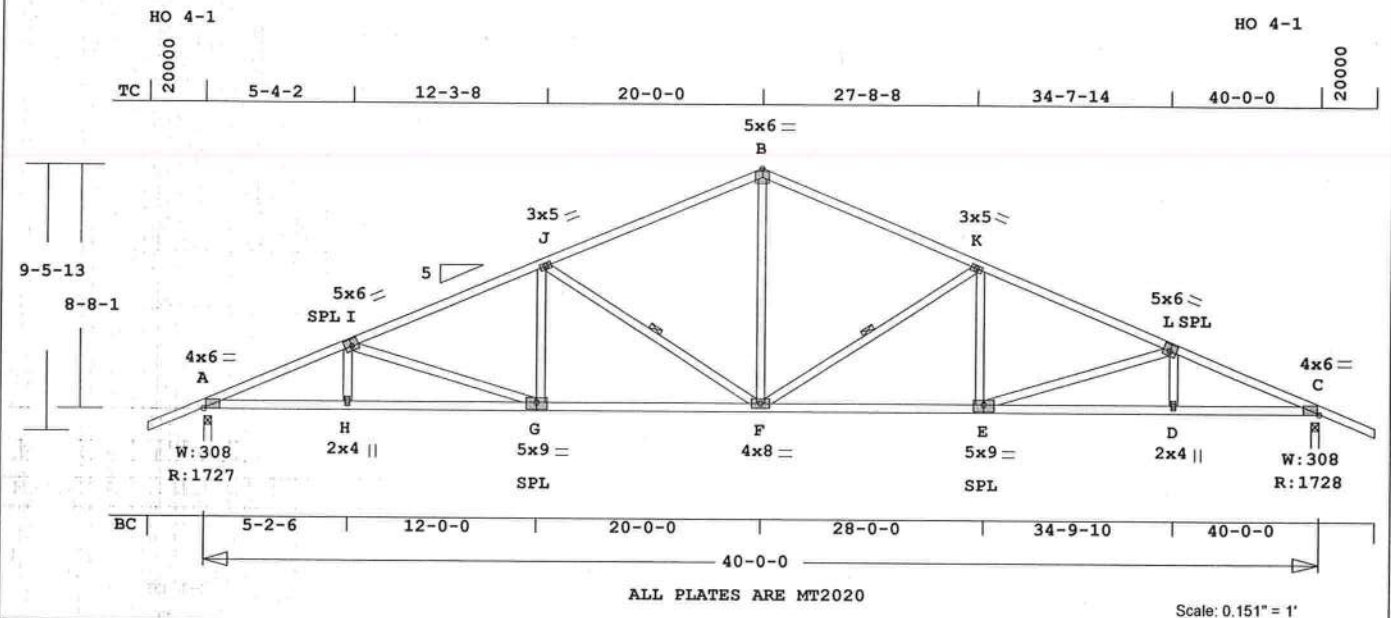
July 6, 2012

Albani, Thomas

1 of 1

Job MAYO-FERT-ADD	Mark R1	Quan 20	Type TR	Span 400000	P1-H1 5	Left OH 2- 0- 0	Right OH 2- 0- 0	Engineering T4453383
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MAYO FERTILIZER ADDITION



Online Plus -- Version 30.0.011
RUN DATE: 06-JUL-12

Southern Pine lumber design
values are those effective
06-01-12 by SPIB//ALSC UON
CSI -Size- Lumber-----
TC 0.90 2x 4 SP-#2
BC 0.90 2x 4 SP-#2
WB 0.52 2x 4 SP-#2

Brace truss as follows:
O.C. From To
TC Cont. 0- 0- 0 40- 0- 0
BC Cont. 0- 0- 0 40- 0- 0
or 96.0" 0- 0- 0 40- 0- 0
Continuous Lateral Restraint
req'd at mid-point of webs:
J -F F -K
Attach CLR with (2)-10d nails
at each web.
Refer to BCSI for diagonal
restraint requirements.

psf-Ld	Dead	Live
TC	10.0	20.0
BC	10.0	0.0
TC+BC	20.0	20.0
Total	40.0	Spacing 24.0"
Lumber	Duration Factor	1.25
Plate	Duration Factor	1.25
	Fb	Fc Ft Emin
TC	1.15	1.10 1.10 1.10
BC	1.10	1.10 1.10 1.10

Total Load Reactions (Lbs)
Jt Down Uplift Horiz-
A 1728 118 R
C 1728 118 R

Jt	Brg Size	Required
A	3.5"	2.0"
C	3.5"	2.0"

Plus 21 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
-----Top Chords-----			
A -I	0.44	3494 C	0.19 0.25
I -J	0.73	2900 C	0.12 0.61
J -B	0.90	2088 C	0.25 0.65
B -K	0.90	2088 C	0.25 0.65
K -L	0.73	2900 C	0.12 0.61
L -C	0.44	3494 C	0.19 0.25

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 267.2 LBS

-----Bottom Chords-----					
A -H	0.87	3225 T	0.68	0.19	
H -G	0.90	3225 T	0.68	0.22	
G -F	0.78	2687 T	0.57	0.21	
F -E	0.78	2687 T	0.57	0.21	
E -D	0.90	3225 T	0.68	0.22	
D -C	0.87	3225 T	0.68	0.19	
-----Webs-----					
H -I	0.04	208 T			
I -G	0.52	564 C			
G -J	0.08	441 T			
J -F	0.37	909 C			1 Br
F -B	0.26	1148 T			
F -K	0.37	909 C			1 Br
E -K	0.08	441 T			
E -L	0.52	564 C			
D -L	0.04	208 T			

TL Defl -0.64" in F -E L/733
LL Defl -0.24" in G -F L/999
Shear // Grain in J -B 0.29

Plates for each ply each face.					
Plate - MT20 20 Ga, Gross Area					
Plate - MT2H 20 Ga, Gross Area					
Jt Type	Plt Size	X	Y	JSI	
A MT20	4.0x	6.0	Ctr	0.1	0.85
I MT20	5.0x	6.0	0.2	0.5	0.68
J MT20	3.0x	5.0	Ctr	Ctr	0.37
B MT20	5.0x	6.0	Ctr	Ctr	0.77
K MT20	3.0x	5.0	Ctr	Ctr	0.37
L MT20	5.0x	6.0	0.2	0.5	0.68
C MT20	4.0x	6.0	Ctr	0.1	0.85
H MT20	2.0x	4.0	Ctr	Ctr	0.34
G MT20	5.0x	9.0	Ctr	0.5	0.80
F MT20	4.0x	8.0	Ctr	Ctr	0.43
E MT20	5.0x	9.0	Ctr	0.5	0.80
D MT20	2.0x	4.0	Ctr	Ctr	0.34

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007
OH Loading
Soffit psf 2.0

This truss has been designed
for 20.0 psf LL on the B.C.
in areas where a rectangle
3- 6- 0 tall by
2- 0- 0 wide
will fit between the B.C.
and any other member.
Design checked for 10 psf non-
concurrent LL on BC.
Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Risk Category : II
Mean Roof Height: 15-0
Exposure Category: B
Building Type: Enclosed
TC Dead Load: 6.0 psf
BC Dead Load: 6.0 psf
Max comp. force 3494 Lbs
Max tens. force 3225 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.



FL Cert. 6634

July 6, 2012

MAYO FERTILIZER ADDITION	
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HO 4
TC | 20-0-0 | 40-0-0 | HO 4

9-2-0
8-4-4

5x5 = B
5x6 = L
4x5 = 4x5 = D
*2x4 || F
SPL J
H
N
P
R
U
W
Y
AA
SPL
5x6 = CC
EE
GG
II
4x5 = 4x5 = C

A
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X
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BB
DD
FF
HH
JJ

5x6 = SPL
SPL

BC
40-0-0
40-0-0

ALL PLATES ARE MT2020
See Joint D For Typical Gable Plate Size and Placement
Scale: 0.152" = 1'

Online Plus -- Version 30.0.011
RUN DATE: 06-JUL-12

Southern Pine lumber design values are those effective 06-01-12 by SPIB//ALSC UON

		CSI	-Size-	----	Lumber----
TC	0.09	2x 4	SP-#2		
BC	0.09	2x 4	SP-#2		
GW	0.14	2x 4	SP-#2		

Brace truss as follows:		From	To
TC	Cont.	0- 0- 0	40- 0- 0
or	48.0"	0- 0- 0	40- 0- 0
BC	Cont.	0- 0- 0	40- 0- 0
or	72.0"	0- 0- 0	40- 0- 0

psf-Ld	Dead	Live	
TC	10.0	20.0	
BC	10.0	0.0	
TC+BC	20.0	20.0	
Total	40.0	Spacing	24.0"
Lumber	Duration Factor		1.25
Plate	Duration Factor		1.25
	Fb	Fc	Ft Emin
TC	1.15	1.10	1.10 1.10
BC	1.10	1.10	1.10 1.10

Total Load Reactions (Lbs)			
Jt	Down	Uplift	Horiz
A	3200		113 R

Jt	Brg Size	Required
A	480.0"	0"-to- 480"

Plus 21 Wind Load Case(s)
Plus 1 UBC LL Load Case(s)
Plus 1 DL Load Case(s)

Membr	CSI	P Lbs	Axl-CSI-Bnd
Top Chords-----			
A -D	0.09	116 C	0.00 0.09
D -F	0.09	110 C	0.00 0.09
F -H	0.04	100 C	0.00 0.04
H -J	0.04	96 C	0.00 0.04
J -L	0.03	91 C	0.00 0.03
L -N	0.03	86 T	0.00 0.03
N -P	0.04	119 T	0.00 0.04
P -R	0.04	153 T	0.00 0.04
R -B	0.04	183 T	0.03 0.01
B -U	0.04	183 T	0.03 0.01
U -W	0.04	153 T	0.00 0.04
W -Y	0.04	119 T	0.00 0.04
Y -AA	0.03	86 T	0.00 0.03
AA-CC	0.03	91 C	0.00 0.03
CC-EE	0.04	96 C	0.00 0.04
EE-GG	0.04	100 C	0.00 0.04
GG-II	0.09	110 C	0.00 0.09
II-C	0.09	116 C	0.00 0.09

MiTek® Online Plus™ APPROX. TRUSS WEIGHT: 308.8 LBS			
-----Bottom Chords-----			
A - E	0.09	13 T	0.00 0.09
E - G	0.06	0 T	0.00 0.06
G - I	0.02	0 T	0.00 0.02
I - K	0.02	0 T	0.00 0.02
K - M	0.02	0 T	0.00 0.02
M - O	0.02	0 T	0.00 0.02
O - Q	0.02	0 T	0.00 0.02
Q - S	0.02	0 T	0.00 0.02
S - T	0.02	0 T	0.00 0.02
T - V	0.02	0 T	0.00 0.02
V - X	0.02	0 T	0.00 0.02
X - Z	0.02	0 T	0.00 0.02
Z - BB	0.02	0 T	0.00 0.02
BB-DD	0.02	0 T	0.00 0.02
DD-FF	0.02	0 T	0.00 0.02
FF-HH	0.02	0 T	0.00 0.02
HH-JJ	0.06	0 T	0.00 0.06
JJ-C	0.09	13 T	0.00 0.09
-----Gable Webs-----			
E - D	0.02	191 C	
G - F	0.01	99 C	
CC MT20	5.0x	6.0	0.2 0.5 0.39
EE MT20	2.0x	4.0	Ctr Ctr 0.00
GG MT20	2.0x	4.0	Ctr Ctr 0.00
II MT20	2.0x	4.0	Ctr Ctr 0.00
C MT20	4.0x	5.0	Ctr-0.3 0.42
E MT20	2.0x	4.0	Ctr Ctr 0.00
G MT20	2.0x	4.0	Ctr Ctr 0.00
I MT20	2.0x	4.0	Ctr Ctr 0.00
K MT20	2.0x	4.0	Ctr Ctr 0.00
M MT20	5.0x	6.0	Ctr-0.5 0.39
O MT20	2.0x	4.0	Ctr Ctr 0.00
Q MT20	2.0x	4.0	Ctr Ctr 0.00
S MT20	2.0x	4.0	Ctr Ctr 0.00
T MT20	2.0x	4.0	Ctr Ctr 0.00
V MT20	2.0x	4.0	Ctr Ctr 0.00
X MT20	2.0x	4.0	Ctr Ctr 0.00
Z MT20	2.0x	4.0	Ctr Ctr 0.00
BB MT20	2.0x	4.0	Ctr Ctr 0.00
DD MT20	2.0x	4.0	Ctr Ctr 0.00
FF MT20	2.0x	4.0	Ctr Ctr 0.00
HH MT20	2.0x	4.0	Ctr Ctr 0.00
JJ MT20	2.0x	4.0	Ctr Ctr 0.00

I -H	0.02	123 C
K -J	0.04	119 C
M -L	0.06	120 C
O -N	0.08	119 C
Q -P	0.11	120 C
S -R	0.14	121 C
T -B	0.09	69 C
V -U	0.14	121 C
X -W	0.11	120 C
Z -Y	0.08	119 C
BB-AA	0.06	120 C
DD-CC	0.04	119 C
FF-EE	0.02	123 C
HH-GG	0.01	99 C
JJ-II	0.02	191 C

```

LL Defl -0.01" in A -E 1/999
LR Defl 0.00" in A -D 1/999
Shear // Grain in A -D 0.13

Plates for each ply each face.
Plate - MT20 20 Ga, Gross Area
Plate - MT2H 20 Ga, Gross Area
Jt Type Plt Size X Y JSI
A MT20 4.0x 5.0 Ctr-0.3 0.42
D MT20 2.0x 4.0 Ctr Ctr 0.00
F MT20 2.0x 4.0 Ctr Ctr 0.00
H MT20 2.0x 4.0 Ctr Ctr 0.00
J MT20 5.0x 6.0-0.2 0.5 0.38
L MT20 2.0x 4.0 Ctr Ctr 0.00
N MT20 2.0x 4.0 Ctr Ctr 0.00
P MT20 2.0x 4.0 Ctr Ctr 0.00
R MT20 2.0x 4.0 Ctr Ctr 0.00
B MT20 5.0x 5.0 Ctr Ctr 0.35
U MT20 2.0x 4.0 Ctr Ctr 0.00
W MT20 2.0x 4.0 Ctr Ctr 0.00
Y MT20 2.0x 4.0 Ctr Ctr 0.00
AA MT20 2.0x 4.0 Ctr Ctr 0.00

```

Exposure Category: B
Building Type: Enclosed
TC Dead Load: 6.0 psf
BC Dead Load: 6.0 psf
Max comp. force 191 Lbs
Max tens. force 183 Lbs
Connector Plate Fabrication
Tolerance = 20%
This truss is designed for a
creep factor of 1.5 which
is used to calculate total
load deflection.

REVIEWED BY:
MiTek Industries, Inc.
6904 Parke East Blvd.
Tampa, FL 33610

REFER TO ONLINE PLUS GENERAL
NOTES AND SYMBOLS SHEET FOR
ADDITIONAL SPECIFICATIONS.

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2010
TPI 2007

WARNING Do Not Cut overframe member between outside of truss and first tie-plate to inside of heel plate. Design checked for 10 psf non-concurrent LL on BC.

Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified Building Designer as per ANSI/TPI 1.

Wind Loads - ANSI / ASCE 7-10
Truss is designed as
Components and Claddings*
for Exterior zone location.
Wind Speed: 120 mph
Risk Category : II
Mean Roof Height: 15-0



FL Cert. 6634

ONLINE PLUS GENERAL NOTES & SYMBOLS

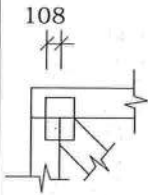
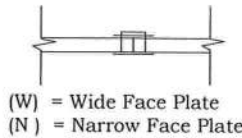


PLATE LOCATION

Center plates on joints unless otherwise noted in plate list or on drawing. Dimensions are given in inches (i.e. 1 1/2" or 1.5") or IN-16ths (i.e. 108)

FLOOR TRUSS SPLICE (3X2, 4X2, 6X2)



(W) = Wide Face Plate
(N) = Narrow Face Plate

LATERAL BRACING

Designates the location for continuous lateral bracing (CLB) for support of individual truss members only. CLBs must be properly anchored or restrained to prevent simultaneous buckling of adjacent truss members.

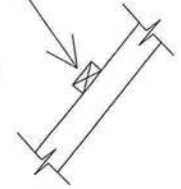
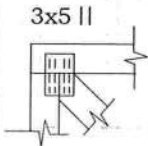


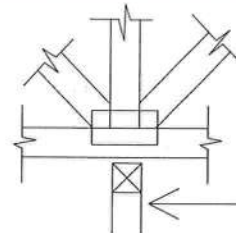
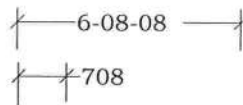
PLATE SIZE AND ORIENTATION



The first dimension is the width measured perpendicular to slots. The second dimension is the length measured parallel to slots. Plate orientation, shown next to plate size, indicates direction of slots in connector plates.

DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6'-8.5" or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).



W = Actual Bearing Width (IN-SX)
R = Reaction (lbs.)
U = Uplift (lbs.)

BEARING

When truss is designed to bear on multiple supports, interior bearing locations should be marked on the truss. Interior support or temporary shoring must be in place before trusses are installed. If necessary, shim bearings to assure solid contact with truss.

Metal connector plates shall be applied on both faces of truss at each joint. Center the plates, unless indicated otherwise. No loose knots or wane in plate contact area. Splice only where shown. Overall spans assume 4" bearing at each end, unless indicated otherwise. Cutting and fabrication shall be performed using equipment which produces snug-fitting joints and plates. Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication and the attached truss designs are not applicable for use with fire retardant lumber and some preservative treatments. Nails specified on Truss Design Drawings refer to common wire nails, except as noted. The attached design drawings were prepared in accordance with "National Design Specifications for Wood Construction" (AF & PA), "National Design Standard for Metal Plate Connected Wood Truss Construction" (ANSI/TPI 1), and HUD Design Criteria for Trussed Rafters.

Mitek Industries Inc. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to "Building Component Safety Information" (BCSI 1) as published by Truss Plate Institute, 218 North Lee Street, Suite 312, Alexandria, Virginia 22314. Persons erecting trusses are cautioned to seek professional advice concerning proper erection bracing to prevent toppling and "dominoing". Care should be taken to prevent damage during fabrication, storage, shipping and erection. Top and bottom chords shall be adequately braced in the absence of sheathing or rigid ceiling, respectively. It is the responsibility of others to ascertain that design loads utilized on these drawings meet or exceed the actual dead loads imposed by the structure and the live loads imposed by the local building code or historical climatic records. When truss hangers are specified on the Truss Design Drawing, they must be installed per manufacturer's details and specifications.

FURNISH A COPY OF THE ATTACHED TRUSS DESIGN DRAWINGS TO ERECTION CONTRACTOR. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO REVIEW THESE DRAWINGS AND VERIFY THAT DATA, INCLUDING DIMENSIONS & LOADS, CONFORM TO ARCHITECTURAL PLAN / SPECS AND THE TRUSS PLACEMENT DIAGRAM FURNISHED BY THE TRUSS MANUFACTURER.



MiTek USA, Inc.

6904 Parke East Blvd.
Tampa, FL 33610-4115

Tel: 813-972-1135
Fax: 813-971-6117

From:Bounds Heating & AIR

352 472 1809

07/09/2012 12:56

#350 P.001/001

352 472.6123

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1207-21 CONTRACTOR Bryant Con. PHONE (352) 798-2857
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C <u>13M</u>	Print Name <u>Bryan Bounds</u> License #: <u>CAC1815198</u>	Signature <u>[Signature]</u> Phone #: <u>352-472-2761</u>
PLUMBING/ GAS	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name <u>N/A</u> License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
✓ MASON	CC0011606	Wayne C. Bryant	[Signature]
✓ CONCRETE FINISHER	CC0011606	Wayne C. Bryant	[Signature]
✓ FRAMING	CC0011606	Wayne C. Bryant	[Signature]
INSULATION			
STUCCO	N/A		
✓ DRYWALL	CC0011606	Wayne C. Bryant	[Signature]
PLASTER	N/A		
CABINET INSTALLER	N/A		
✓ PAINTING	CC0011606	Wayne C. Bryant	[Signature]
ACOUSTICAL CEILING	N/A		
GLASS	N/A		
CERAMIC TILE	N/A		
✓ FLOOR COVERING	CC0011606	Wayne C. Bryant	[Signature]
ALUM/VINYL SIDING	N/A		
GARAGE DOOR	N/A		
METAL BLDG ERECTOR	N/A		

F. S. 440.103 Building permits; identification of minimum premium policy. Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Contractor's Name: Subcontractor Name: 8/7/12

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1207-21 CONTRACTOR Bryant Construction PHONE 352-378-2857
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

In Columbia County one permit will cover all trades doing work at the permitted site. It is **REQUIRED** that we have records of the subcontractors who actually did the trade specific work under the permit. Per Florida Statute 440 and Ordinance 89-6, a contractor shall require all subcontractors to provide evidence of workers' compensation or exemption, general liability insurance and a valid Certificate of Competency license in Columbia County.

Any changes, the permitted contractor is responsible for the corrected form being submitted to this office prior to the start of that subcontractor beginning any work. Violations will result in stop work orders and/or fines.

<input checked="" type="checkbox"/> ELECTRICAL 871	Print Name: <u>DENNY S CONKLIN</u> License #: <u>EC 13003800</u>	Signature: <u>[Signature]</u> Phone #: <u>386-755-5255</u>
<input type="checkbox"/> MECHANICAL/A/C	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
<input type="checkbox"/> PLUMBING/GAS	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
<input type="checkbox"/> ROOFING	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
<input type="checkbox"/> SHEET METAL	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
<input type="checkbox"/> FIRE SYSTEM/SPRINKLER	Print Name: _____ License #: _____	Signature: _____ Phone #: _____
<input type="checkbox"/> SOLAR	Print Name: _____ License #: _____	Signature: _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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FROM : JASON ELIXSON

FAX NO. : 3867552735

Jul. 13 2012 09:22AM P1

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING 445	Print Name <u>Jason Elixson Const. LLC</u> License #: <u>CCC1325779</u>	Signature <u>[Signature]</u> Phone #: <u>386-623-1741</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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Contractor Form; subcontractor form 4/09

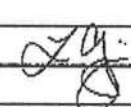
SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1207-21 CONTRACTOR Bryant Cond. PHONE 352-378-2857
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION <u>1320</u>	CBC1256909	Tyson C Riggins	
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

F. S. 440.103 Building permits; identification of minimum premium policy.--Every employer shall, as a condition to applying for and receiving a building permit, show proof and certify to the permit issuer that it has secured compensation for its employees under this chapter as provided in ss. 440.10 and 440.38, and shall be presented each time the employer applies for a building permit.

Florida Energy Efficiency Code For Building Construction

EnergyGauge Summit® Fla/Com-2010, Effective Date: March 15, 2012 -- Form 506-2010

Total Building Performance Method for Commercial Buildings

PROJECT SUMMARY

Short Desc: 1205066

Owner: Mike Shaw

Address1: 413 NE McCloskey Ave.

Address2:

Type: Office

Jurisdiction: COLUMBIA COUNTY, COLUMBIA COUNTY, FL (221000)

Conditioned Area: 1600 SF

No of Stories: 1

Permit No: 0

Description: Bryant Construction - Mayo Fer

City: Lake City

State: Florida

Zip: 32055

Class: Addition to existing Building

Conditioned & UnConditioned Area: 1600 SF

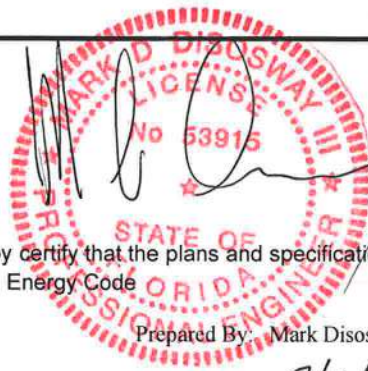
Area entered from Plans 1600 SF

Max Tonnage 3.4

If different, write in: _____



Compliance Summary			
Component	Design	Criteria	Result
Gross Energy Cost (in \$)	820.0	827.0	PASSED
System Unmet Hours		35.0	PASSED
LIGHTING CONTROLS			PASSES
EXTERNAL LIGHTING			PASSES
HVAC SYSTEM			PASSES
PLANT			None Entered
WATER HEATING SYSTEMS			None Entered
PIPING SYSTEMS			None Entered
Met all required compliance from Check List?			Yes/No/NA
IMPORTANT MESSAGE Info 5009 -- -- -- An input report of this design building must be submitted along with this Compliance Report			



CERTIFICATIONS

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

Prepared By: Mark Disosway PE

Building Official: _____

Date: 7/6/12

Date: _____

I certify that this building is in compliance with the FLorida Energy Efficiency Code

Owner Agent: _____

Date: _____

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

Architect: _____

Reg No: _____

Electrical Designer: _____

Reg No: _____

Lighting Designer: _____

Reg No: _____

Mechanical Designer: _____

Reg No: _____

Plumbing Designer: _____

Reg No: _____

(*) Signature is required where Florida Law requires design to be performed by registered design professionals.

Project: 1205066
 Title: Bryant Construction - Mayo Fertilizer
 Type: Office
 (WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Building End Uses

	1) Proposed	2) Baseline
Total	52.90	66.50
	\$820	\$1,034
ELECTRICITY(MBtu/kWh/\$)	52.90	66.50
	15510	19470
	\$820	\$1,034
AREA LIGHTS	8.40	18.40
	2450	5390
	\$130	\$286
MISC EQUIPMT	24.00	24.00
	7033	7033
	\$372	\$373
PUMPS & MISC	0.10	0.20
	35	45
	\$2	\$2
SPACE COOL	13.80	17.30
	4049	5071
	\$214	\$269
SPACE HEAT	0.70	0.00
	207	0
	\$11	\$0
VENT FANS	5.90	6.60
	1736	1931
	\$92	\$103

Passing requires Proposed Building cost to be at most 80%
 of Baseline cost. This Proposed Building is at 79.4%

PASSES

Project: 1205066

Title: Bryant Construction - Mayo Fertilizer

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

External Lighting Compliance

Description	Category	Tradable?	Allowance (W/Unit)	Area or Length or No. of Units (Sqft or ft)	ELPA (W)	CLP (W)
Ext Light 2	Entry Canopies	Yes	1.25	36.0	45	40

Tradable Surfaces: 40 (W) Allowance for Tradable: 608.64 (W)

PASSES

All External Lighting: 40 (W)

Compliance check includes a excess/Base allowance of 600.00(W)

Project: 1205066

Title: Bryant Construction - Mayo Fertilizer

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Lighting Controls Compliance

Acronym	Ashrae ID	Description	Area (sq.ft)	Design CP	Min CP	Compli- ance
Pr0Zo1Sp1	17	Office - Enclosed	1,600	9	1	PASSES

PASSES

Project: 1205066
 Title: Bryant Construction - Mayo Fertilizer
 Type: Office
 (WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

System Report Compliance

Pr0Syl	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	Compliance
Cooling System	Air Conditioners Air Cooled Split System < 65000 Btu/h Cooling Capacity		13.00	12.23	8.00		PASSES
Heating System	Heat Pumps Air Cooled (Heating Mode) Split System < 65000 Btu/h Cooling Capacity		8.20	7.70			PASSES
Air Handling System -Supply	Air Handler (Supply) - Constant Volume		0.30	0.82			PASSES
Air Distribution System (Sup)	ADS System		6.00	6.00			PASSES
Air Distribution System (Ret)	ADS System (Ret)		6.00	4.20			PASSES
							PASSES

Plant Compliance

Description	Installed No	Size	Design Eff	Min Eff	Design IPLV	Min IPLV	Category	Compliance
								None

Water Heater Compliance

Description	Type	Category	Design Eff	Min Eff	Design Loss	Max Loss	Compliance
							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: 1205066

Title: Bryant Construction - Mayo Fertilizer

Type: Office

(WEA File: FL_JACKSONVILLE_INTL_ARPT.tm3)

Other Required Compliance

Category	Section	Requirement (write N/A in box if not applicable)	Check
Report	506.4.2	Input Report Print-Out from EnergyGauge FlaCom attached	<input type="checkbox"/>
Operations Manual	303.3.1, 503.2.9.3, 505.7.4.2	Operations manual provided to owner	<input type="checkbox"/>
Windows & Doors	502.3.2	Glazed swinging entrance & revolving doors: max. 1.0 cfm/ft ² ; all other products: 0.3 cfm/ft ²	<input type="checkbox"/>
Joints/Cracks	502.3.3	To be caulked, gasketed, weather-stripped or otherwise sealed	<input type="checkbox"/>
Dropped Ceiling Cavity	502.3	Vented: seal & insulated ceiling. Unvented seal & insulate roof & side walls	<input type="checkbox"/>
HVAC Efficiency	503.2.3	Minimum efficiencies: Tables 503.2.3(1)-(8)	<input type="checkbox"/>
HVAC Controls	503.2.4	Zone controls prevent reheat (exceptions); separate thermostatic control per zone;	<input type="checkbox"/>
Ventilation	503.2.5	Outdoor air supply & exhaust ducts shall have dampers that automatically shut when systems or spaces served are not in use. Exhaust air energy recovery required for cooling systems (Exceptions).	<input type="checkbox"/>
ADS	503.2.7.5	Duct sizing and Design have been performed	<input type="checkbox"/>
HVAC Ducts	503.2.7	Air ducts, fittings, mechanical equipment & plenum chambers shall be mechanically attached, sealed, insulated & installed per Table 503.2.7.2. Fan power limitations.	<input type="checkbox"/>
Balancing	503.2.9.1	HVAC distribution system(s) tested & balanced. Report in construction documents.	<input type="checkbox"/>
Piping Insulation	503.2.8	HAC and service hot water. In accordance with Table 503.2.8.	<input type="checkbox"/>
Water Heaters	504	Performance requirements in accordance with Table 504.2. Heat trap required.	<input type="checkbox"/>
Swimming Pools	504.7	Vapor-retardant or liquid cover or other means proven to reduce heat loss on heated pools; Time switch (exceptions); readily accessible on/off switch.	<input type="checkbox"/>
Motors	505.7.5	Motor efficiency criteria have been met	<input type="checkbox"/>
Lighting Controls	505.2, 502.3	Automatic control required for interior lighting in buildings >5,000 s.f.; Space control; Exterior photo sensor; Tandom wiring with 1 or 3 linear fluorescent lamps>30W	<input type="checkbox"/>

Project: 1205066
Title: Bryant Construction - Mayo
Fertilizer
Type: Office
(WEA File:
FL_JACKSONVILLE_INTL_ARPT.tm
3)

Unmet Hours Report

Baseline Building

System: Pr0Sy2

Zone: Pr0Zo1

Hours Under
Heated

Hours Under
Cooled

Jan

26

0

Feb

7

0

Dec

2

0

Year:

35

0

INPUT DATA REPORT**Project Information****Project Name:** 1205066**Project Title:** Bryant Construction - Mayo Fertilizer**Address:** 413 NE McCloskey Ave.**Orientation:** North**Building Type:** Office**Building Classification:** Addition to existing Building**State:** Florida**Zip:** 32055**Owner:** Mike Shaw**No.of Stories:** 1**GrossArea:** 1600 SF**Zones**

No	Acronym	Description	Type	Area [sf]	Multiplier	Total Area [sf]
1	Pr0Zo1	Addition	CONDITIONED	1600.0	1	1600.0

Spaces

No	Acronym	Description	Type	Depth [ft]	Width [ft]	Height [ft]	Multi plier	Total Area [sf]	Total Volume [cf]
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In Zone: Pr0Zo1		Office - Enclosed		40.00	8.00	1	1600.0	12800.0	<input type="checkbox"/>
1	Pr0Zo1Sp1	Zo0Sp1							

Lighting

No	Type	Category	No. of Luminaires	Watts per Luminaire	Power [W]	Control Type	No. of Ctrl pts
In Zone: Pr0Zo1							
In Space: Pr0Zo1Sp1							
1	Recessed Fluorescent - No vent	General Lighting	10	80	800	Manual On/Off	9 <input type="checkbox"/>

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.s.f.F/Btu]
In Zone: Pr0Zo1											
1	Pr0Zo1Wa1	Siding, R13, 0.5 in. gyp	40.00	8.00	1	320.0	North	0.0702	0.948	10.44	14.2 <input type="checkbox"/>
2	Pr0Zo1Wa2	Siding, R13, 0.5 in. gyp	40.00	10.00	1	400.0	East	0.0702	0.948	10.44	14.2 <input type="checkbox"/>
3	Pr0Zo1Wa3	4" Brick /R-13/0.5" Gyp	40.00	8.00	1	320.0	West	0.0665	8.947	61.81	15.0 <input type="checkbox"/>

Windows

No	Description	Type	Shaded	U [Btu/hr sf F]	SHGC	Vis.Tra	W [ft]	H (Effec) [ft]	Multi plier	Total Area [sf]
In Zone: Pr0Zo1										
In Wall: east / rear										
1	Pr0Zo1Wa2Wi1	User Defined	Yes	0.3500	0.35	0.70	3.00	4.00	1	12.0 <input type="checkbox"/>
In Wall: north										
1	Pr0Zo1Wa1Wi1	User Defined	No	0.3500	0.35	0.70	3.00	4.00	1	12.0 <input type="checkbox"/>
In Wall: West / Front										

1	Pr0Zo1Wa3Wi1	User Defined	Yes	0.3500	0.35	0.70	3.00	4.00	3	36.0	<input type="checkbox"/>
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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.s.f.F/Btu]
In Zone: Pr0Zo1											
In Wall: east / rear											
1	Pr0Zo1Wa2Dr1	Aluminum door, 1.25 in. polystyrene	Yes	3.00	7.00	1	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.s.f.F/Btu]
In Zone: Pr0Zo1											
1	Pr0Zo1Rf1	Ceiling, exposed to attic, R-30	40.00	40.00	1	1600.0	0.00	0.0328	0.46	3.28	30.5

Skylights

No	Description	Type	U [Btu/hr sf F]	SHGC	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.s.f.F/Btu]
In Zone: Pr0Zo1										

1	Pr0Zo1FI1	1 ft. soil, concrete floor, carpet and rubber pad	40.00	40.00	1	1600.0	0.2681	34.00	113.33	3.73	<input type="checkbox"/>
---	-----------	---	-------	-------	---	--------	--------	-------	--------	------	--------------------------

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		40500.00	13.00	8.00					<input type="checkbox"/>
2	Heating System		41500.00	8.20						<input type="checkbox"/>
3	Air Handling System -Supply		1350.00	0.30						<input type="checkbox"/>
4	Air Distribution System (Sup)			6.00						<input type="checkbox"/>
5	Air Distribution System (Ret)			6.00						<input type="checkbox"/>

Plant

Equipment	Category	Size	Inst.No	Eff.	IPLV
					<input type="checkbox"/>

Water Heaters

W-Heater Description	Capacity Cap.Unit	I/P Rt.	Efficiency	Loss
				<input type="checkbox"/>

Ext-Lighting

Description	Category	No. of Luminaires	Watts per Luminaire	Area/Len/No. of units [sf/ft/No]	Control Type	Wattage [W]
1 Ext Light 2	Entry Canopies	1	40	36.00	Photo Sensor control	40.00
						<input type="checkbox"/>

Piping						
No	Type	Operating Temperature [F]	Insulation Conductivity [Btu-in/h.s.f.F]	Nominal pipe Diameter [in]	Insulation Thickness [in]	Is Runout?
						<input type="checkbox"/>

Fenestration Used				
Name	Glass Type	No. of Panes	Glass Conductance [Btu/h.s.f.F]	SHGC VLT
ApLbWnd13	User Defined	2	0.3500	0.3500 0.7000
				<input type="checkbox"/>

Materials Used									
Mat No	Acronym	Description	Only R-Value Used	RValue [h.s.f.F/Btu]	Thickness [ft]	Conductivity [Btu/h.ft.F]	Density [lb/cf]	SpecificHeat [Btu/lb.F]	
264	Mat1264	ALUMINUM, 1/16 IN	No	0.0002	0.0050	26.0000	480.00	0.1000	<input type="checkbox"/>
214	Mat1214	POLYSTYRENE, EXP., 1-1/4IN,	No	5.2100	0.1042	0.0200	1.80	0.2900	<input type="checkbox"/>
187	Mat1187	GYP OR PLAS BOARD, 1/2IN	No	0.4533	0.0417	0.0920	50.00	0.2000	<input type="checkbox"/>
178	Mat1178	CARPET W/RUBBER PAD	Yes	1.2300					<input type="checkbox"/>
265	Mat1265	Soil, 1 ft	No	2.0000	1.0000	0.5000	100.00	0.2000	<input type="checkbox"/>
48	Mat148	6 in. Heavyweight concrete	No	0.5000	0.5000	1.0000	140.00	0.2000	<input type="checkbox"/>
86	Mat186	BRICK, COMMON, 4IN	No	0.8012	0.3333	0.4160	120.00	0.2000	<input type="checkbox"/>
245	Mat1245	PLYWOOD, 5/8IN	No	0.7894	0.0521	0.0660	34.00	0.2900	<input type="checkbox"/>
1001	ApLbMat1001	R-13 Generic Insulation	No	13.0000	0.2837	0.0218	0.30	0.2000	<input type="checkbox"/>
1002	ApLbMat1002	R-30 Generic Insulation	No	30.0000	0.6548	0.0218	0.30	0.2000	<input type="checkbox"/>

Constructs Used

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1002	Aluminum door, 1.25 in. polystyrene	No	No	0.19	0.53	43.67	5.2
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	264	ALUMINUM, 1/16 IN	0.0050	0.000			
2	214	POLYSTYRENE, EXP., 1-1/4IN,	0.1042	0.000			
3	264	ALUMINUM, 1/16 IN	0.0050	0.000			
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1003	Ceiling, exposed to attic, R-30	No	No	0.03	0.46	3.28	30.5
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	187	GYP OR PLAS BOARD, 1/2IN	0.0417	0.000			
2	1002	R-30 Generic Insulation	0.6548	0.000			
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1009	Siding, R13, 0.5 in. gyp	No	No	0.07	0.95	10.44	14.2
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	245	PLYWOOD, 5/8IN	0.0521	0.000			
2	1001	R-13 Generic Insulation	0.2837	0.000			
3	187	GYP OR PLAS BOARD, 1/2IN	0.0417	0.000			

No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1012	4" Brick /R-13/0.5" Gyp	No	No	0.07	8.95	61.81	15.0
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	86	BRICK, COMMON, 4IN	0.3333	0.000			
2	1001	R-13 Generic Insulation	0.2837	0.000			
3	187	GYP OR PLAS BOARD, 1/2IN	0.0417	0.000			
4	245	PLYWOOD, 5/8IN	0.0521	0.000			
No	Name	Simple Construct	Massless Construct	Conductance [Btu/h.s.f.F]	Heat Capacity [Btu/sf.F]	Density [lb/cf]	RValue [h.s.f.F/Btu]
1057	1 ft. soil, concrete floor, carpet and rubber pad	No	No	0.27	34.00	113.33	3.7
Layer	Material No.	Material	Thickness [ft]	Framing Factor			
1	265	Soil, 1 ft	1.0000	0.000			
2	48	6 in. Heavyweight concrete	0.5000	0.000			
3	178	CARPET W/RUBBER PAD		0.000			

GEO-TECH, INC.

Engineering Consultants in Geotechnical • Environmental • Construction

CLIENT Gene SR

PROJECT NAME Mayo F

EARTH CONTRACTOR _____

COMPACTION REQUIREMENT (%) _____

TOTAL ON-SITE TIME _____

☐ Limerock ☐ Subgrade ☐ Pipe

TEST LOCATION

5' NE of SW Co

5' SW of NE Co

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Baya Ave

City Lake City, FL Phone 752-1703

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 30323

Address _____

Product used

☒ Premise

Imidacloprid

0.1%

☐ Termidor

Fipronil

0.12%

☐ Bora-Care

Disodium Octaborate Tetrahydrate

23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Addition to Existing
Building

1600

120

100

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____

7-31-12

Date

1530

Time

James B. K... F254
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

REMARKS _____

* Density failed to meet minimum project requirement

** Retest indicates minimum density requirement was obtained.

() Client is aware of unsatisfactory test results.



Columbia County

BUILDING DEPARTMENT

Revised 3/15/12

MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR THE 2010 FLORIDA BUILDING CODE, FLORIDA PLUMBING CODE, FLORIDA MECHANICAL CODE, FLORIDA FUEL AND GAS CODE 2010 EFFECTIVE 15 MARCH 2012 AND 2008 NATIONAL ELECTRICAL

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

COMMERCIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT FLORIDA BUILDING CODES. ALL PLANS OR DRAWING SHALL PROVIDED CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION.

FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

GENERAL REQUIREMENTS:		Items to Include- Each Box shall be Circled as Applicable		
1	All drawings must be clear, concise and drawn to scale, details that are not used shall be marked void.	<input checked="" type="checkbox"/> YES	NO	N/A
2	If the design professional is an architect or engineer legally registered under the laws of this state regulating the practice of architecture as provided for in Chapter 481, Florida Statutes, Part I, or engineering as provided for in Chapter 471, Florida Statutes, then he or she shall affix his or her official seal to said drawings, specifications and accompanying data, as required by Florida Statute.	<input checked="" type="checkbox"/> YES	NO	N/A
3	The design professional signature shall be affixed to the plans	<input checked="" type="checkbox"/> YES	NO	N/A
4	Two (2) complete sets of plans with the architecture or engineer signature and the date the affix embossed official seal was placed on the plans	<input checked="" type="checkbox"/> YES	NO	N/A

Two (2) complete sets of plans containing the following information:

Building Site Plan Requirements										Items to Include- Each Box shall be Circled as Applicable		
4	Parking, including provision Florida Building Code Accessibility Code									Yes	No	N/A
5	Fire access, showing all drive way which will be accessible for emergency vehicles									Yes	No	N/A
6	Driving/turning radius of parking lots									Yes	No	N/A
7	Vehicle loading include truck dock loading or rail site loading									Yes	No	N/A
8	Nearest or number of onsite Fire hydrant/water supply/post indicator valve (PIV)									Yes	No	N/A
9	Set back of all existing or proposed structures from each structure and property boundaries, Show all separation including assumed property lines									Yes	No	N/A
10	Location of specific tanks(above or under ground, water lines and sewer lines and septic tank and drain fields									Yes	No	N/A
11	All structures exterior views include finished floor elevation									Yes	No	N/A
12	Total height of structure(s) from established grade									Yes	No	N/A
Review required by the Columbia County Fire Department Items 13 th 43												
Occupancy group use circle all uses:		Group A	Group B	Group E	Group F	Group H	Group I	Group M	Group R	Group S	Group U D	
13	Special occupancy requirements.									Yes	No	N/A
14	Incidental use areas (total square footage for each room of use area)									Yes	No	N/A
15	Mixed occupancies									Yes	No	N/A
16	REQUIRED SEPARATION OF OCCUPANCIES IN HOURS FBC TABLE 707.3.9									Yes	No	N/A
Minimum type of permitted construction by code for occupancy use circle the construction type FBC 602												
17	Type I	Type II	Type III	Type IV	Type V							
Fire-resistant construction requirements shall be shown, include the following components												
18	Fire-resistant separations									Yes	No	N/A
19	Fire-resistant protection for type of construction									Yes	No	N/A
20	Protection of openings and penetrations of rated walls									Yes	No	N/A
21	Protection of corridors and penetrations of rated walls									Yes	No	N/A
22	Fire blocking and draftstopping and calculated fire resistance									Yes	No	N/A
Fire suppression systems shall be shown include:												
23	Early warning smoke evacuation systems Schematic fire sprinklers Standpipes									Yes	No	N/A
24	Standpipes									Yes	No	N/A
25	Pre-engineered systems									Yes	No	N/A
26	Riser diagram									Yes	No	N/A
Life safety systems shall be shown include the following requirements:												
27	Occupant load and egress capacities									Yes	No	N/A
28	Early warning									Yes	No	N/A
29	Smoke control									Yes	No	N/A
30	Stair pressurization									Yes	No	N/A
31	Systems schematic									Yes	No	N/A
Occupancy load/egress requirements shall be shown include:												
32	Occupancy load									Yes	No	N/A
33	Gross occupancy load									Yes	No	N/A
34	Net occupancy load									Yes	No	N/A
35	Means of egress									Yes	No	N/A
36	Exit access									Yes	No	N/A
37	Exit discharge									Yes	No	N/A
38	Stairs construction/geometry and protection									Yes	No	N/A
39	Doors									Yes	No	N/A
40	Emergency lighting and exit signs									Yes	No	N/A
41	Specific occupancy requirements									Yes	No	N/A
42	Construction requirements									Yes	No	N/A
43	Horizontal exits/exit passageways									Yes	No	N/A

Items to Include-
Each Box shall
be Circled as
Applicable

Structural requirements shall be shown include:				
44	Soil conditions/analysis	Yes	No	N/A
45	Termite protection	Yes	No	N/A
46	Design loads	Yes	No	N/A
47	Wind requirements	Yes	No	N/A
48	Building envelope	Yes	No	N/A
49	Structural calculations (if required)	Yes	No	N/A
50	Foundation For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No	N/A
51	Wall systems	Yes	No	N/A
52	Floor systems	Yes	No	N/A
53	Roof systems	Yes	No	N/A
54	Threshold inspection plan	Yes	No	N/A
55	Stair systems	Yes	No	N/A
Materials shall be shown include the following				
56	Wood	Yes	No	N/A
57	Steel	Yes	No	N/A
58	Aluminum	Yes	No	N/A
59	Concrete	Yes	No	N/A
60	Plastic	Yes	No	N/A
61	Glass	Yes	No	N/A
62	Masonry	Yes	No	N/A
63	Gypsum board and plaster	Yes	No	N/A
64	Insulating (mechanical)	Yes	No	N/A
65	Roofing	Yes	No	N/A
66	Insulation	Yes	No	N/A
Accessibility requirements shall be shown include the following				
67	Site requirements	Yes	No	N/A
68	Accessible route	Yes	No	N/A
69	Vertical accessibility	Yes	No	N/A
70	Toilet and bathing facilities	Yes	No	N/A
71	Drinking fountains	Yes	No	N/A
72	Equipment	Yes	No	N/A
73	Special occupancy requirements	Yes	No	N/A
74	Fair housing requirements	Yes	No	N/A
Interior requirements shall include the following				
75	Review required by the Columbia County Fire Department Items 75 th 80	Yes	No	N/A
	Interior finishes (flame spread/smoke development)			
76	Light and ventilation	Yes	No	N/A
77	Sanitation	Yes	No	N/A
Special systems				
78	Elevators	Yes	No	N/A
79	Escalators	Yes	No	N/A
80	Lifts	Yes	No	N/A
Swimming pools				
81	Barrier requirements	Yes	No	N/A
82	Spas and Wading pools	Yes	No	N/A
83	Access required per Florida Building Code 424.1.2.5.6	Yes	No	N/A

Items to Include-Each Box shall be Circled as Applicable			
Electrical			
84	Wiring	Yes	No N/A
85	Services For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	Yes	No N/A
86	Feeders and branch circuits	Yes	No N/A
87	Overcurrent protection	Yes	No N/A
88	Grounding	Yes	No N/A
89	Wiring methods and materials	Yes	No N/A
90	GFCIs	Yes	No N/A
91	Equipment	Yes	No N/A
92	Special occupancies	Yes	No N/A
93	Emergency systems	Yes	No N/A
94	Communication systems	Yes	No N/A
95	Low voltage	Yes	No N/A
96	Load calculations	Yes	No N/A
Plumbing			
97	Minimum plumbing facilities	Yes	No N/A
98	Fixture requirements	Yes	No N/A
99	Water supply piping	Yes	No N/A
100	Sanitary drainage	Yes	No N/A
101	Water heaters	Yes	No N/A
102	Vents	Yes	No N/A
103	Roof drainage	Yes	No N/A
104	Back flow prevention	Yes	No N/A
105	Irrigation	Yes	No N/A
106	Location of water supply line	Yes	No N/A
107	Grease traps	Yes	No N/A
108	Environmental requirements	Yes	No N/A
109	Plumbing riser	Yes	No N/A
Mechanical			
110	Energy calculations	Yes	No N/A
111	Review required by the Columbia County Fire Department Items 111 th 114 Exhaust systems	Yes	No N/A
112	Clothes dryer exhaust	Yes	No N/A
113	Kitchen equipment exhaust	Yes	No N/A
114	Specialty exhaust systems	Yes	No N/A
Equipment location			
115	Make-up air	Yes	No N/A
116	Roof-mounted equipment	Yes	No N/A
117	Duct systems	Yes	No N/A
118	Ventilation	Yes	No N/A
119	Laboratory	Yes	No N/A
120	Combustion air	Yes	No N/A
121	Chimneys, fireplaces and vents	Yes	No N/A
122	Appliances	Yes	No N/A
123	Boilers	Yes	No N/A
124	Refrigeration	Yes	No N/A
125	Bathroom ventilation	Yes	No N/A
Gas			
126	Review required by the Columbia County Fire Department Items 126 th 134 Gas piping	Yes	No N/A
127	Venting	Yes	No N/A

Items to Include-
Each Box shall be
Circled as
Applicable

128	Combustion air	Yes	No	N/A
129	Chimneys and vents	Yes	No	N/A
130	Appliances	Yes	No	N/A
131	Type of gas	Yes	No	N/A
132	Fireplaces	Yes	No	N/A
133	LP tank location	Yes	No	N/A
134	Riser diagram/shutoffs	Yes	No	N/A
Notice of Commencement				
135	A recorded (in the Columbia County Clerk Office) notice of commencement is required to be on file with the building department . <i>Before Any Inspections Will Be Done</i>	Yes	No	N/A
Disclosure Statement for Owner Builders				
		Yes	No	N/A

Private Potable Water						
136	Horse power of pump motor	Existing Well letter provided from the well driller		Yes	No	N/A
137	Capacity of pressure tank			Yes	No	N/A
138	Cycle stop valve if used			Yes	No	N/A

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

139	Building Permit Application	A current On-Line Building Permit Application www.ccp permit.com is to be completed by following the checklist all supporting documents must be submitted. There is a \$15.00 application fee.	Yes	No	N/A
140	Parcel Number 36-35-17-07463-002	The parcel number (Tax ID number) from the Property Appraiser is required. A copy of property deed is also requested. (386) 758-1084	Yes	No	N/A
141	Environmental Health Permit or Sewer Tap Approval	A copy of an approved Environmental Health (386) 758-1058 waste water disposal permit or an approved City of Lake City(386) 752-2031 sewer tap is required before a building permit can be issued. Toilet facilities shall be provided for construction workers	Yes	No	N/A
142	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). County Public Works Dept. determines the size and length of every culvert before installation and completes a final inspection before permanent power is granted. Culvert installation for commercial, industrial and other uses shall conform to the approved site plan or to the specifications of a registered engineer. Use or joint use of driveways will comply with Florida Department of Transportation specifications. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.	Yes	No	N/A
143	Suwannee River Water Management District Approval	All commercial projects must have an SRWMD permit issued or an exemption letter, before a building permit will be issued.	Yes	No	N/A
144	Flood Management	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 Columbia County Land Development Regulations. A development permit will also be required. The development permit cost is \$50.00	Yes	No	N/A

145	Flood Management	A CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.	Yes	No	(N/A)
146	911 Address	An application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 Ext. 3	Yes	No	Existing (N/A)

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.3.2 **Time limitation of application.** An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

Pursuant to Chapter one (administration) section R101.2.1 of the Florida Building Code: Section 105.4.1 **Permit intent.** A permit issued shall be constructed to be a license to proceed with the work and not as authority to violate, cancel, alter or set aside any of the provisions of the technical codes, nor shall issuance of a permit prevent the building official from thereafter requiring a correction of errors in plans, construction or violations of this code. Every permit issued shall become invalid unless the work authorized by such permit is commenced within six months after its issuance, or if the work authorized by such permit is suspended or abandoned for a period of six months after the time the work is commenced.

Section 105.4.1.1: If work has commenced and the permit is revoked, becomes null and void, or expires because of lack of progress or abandonment, a new permit covering the proposed construction shall be obtained before proceeding with the work.

Section 105.4.1.2: If a new permit is not obtained within 180 days from the date the initial permit became null and void, the building official is authorized to require that any work which has been commenced or completed be removed from the building site. Alternately, a new permit may be issued on application, providing the work in place and required to complete the structure meets all applicable regulations in effect at the time the initial permit became null and void and any regulations which may have become effective between the date of expiration and the date of issuance of the new permit.

Section 105.4.1.3: Work shall be considered to be in active progress when the permit has received an approved inspection within 180 days. This provision shall not be applicable in case of civil commotion or strike or when the building work is halted due directly to judicial injunction, order or similar process.

Section 105.4.1.4: The fee for renewal reissuance and extension of a permit shall be set forth by the administrative authority.

When the submitted application is approved for permitting the applicant will be notified by phone as to the date and time a building permit will be prepared and issued by the Columbia County Building & Zoning Department.

CERTIFICATE
OF

COMPLETION

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

This Certificate of Occupancy is issued to the below named permit holder for the building and premises at the below named location, and certifies that the work has been completed in accordance with the Columbia County Building Code.

Parcel Number 36-3S-17-07463-002

Building permit No. 000030323

Permit Holder WAYNE C. BRYANT

Type OFFICE ADDITION

Owner of Building MIKE SHAW/MAYO FERTILIZER

Location: 413 NE MCCLOSKEY AVENUE, LAKE CITY, FL 32055

Date: 09/11/2012

Building Inspector Joy Cur



POST IN A CONSPICUOUS PLACE
(Business Places Only)

30323

FIELD DENSITY WORKSHEET

CLIENT Gene Skinner DATE 7.31.12
 PROJECT NAME Mayo Fertilizer PROJECT NO. _____
 EARTH CONTRACTOR Lake City PERMIT NO. _____
 COMPACTION REQUIREMENT (%) 95 ☐ Standard Proctor TESTED BY S.L.
 TOTAL ON-SITE TIME _____ ☒ Modified Proctor FIELD CONTACT _____
 MILES FROM OFFICE _____
☐ Limerock ☐ Subgrade ☐ Pipe Backfill ☒ Building Pad ☐ Building Footing ☐ Other _____

TEST LOCATION	LAB PROCTOR		TEST DEPTH	PROBE DEPTH	% MOIST.	WET DENSITY (PCF)	DRY DENSITY (PCF)	% COMP.
	DENS.	OMC						
	112.2	12.5	F/G	12"				
5' NE of SW Corner of Pad					6.5	116.9	109.8	97.9
5' SW of NE Corner					6.3	116.9	110.0	98.0

REMARKS _____

- * Density failed to meet minimum project requirement
- ** Retest indicates minimum density requirement was obtained.
- () Client is aware of unsatisfactory test results.

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE Baya Ave

City Lake City, FL **Phone** 752-1703

Site Location: Subdivision _____

Lot # _____ **Block#** _____ **Permit #** 30323

Address _____

Product used

Active Ingredient

% Concentration

☒ Premise Imidacloprid 0.1%

☐ Termidor Fipronil 0.12%

☐ Bora-Care Disodium Octaborate Tetrahydrate 23.0%

Type treatment:

☒ Soil

☐ Wood

Area Treated

Square feet

Linear feet

Gallons Applied

Addition to Existing
Building

1600

120

100

As per Florida Building Code 104.2.6 – If soil chemical barrier method for termite prevention is used, final exterior treatment shall be completed prior to final building approval.

If this notice is for the final exterior treatment, initial this line _____.

7-31-12

Date

1530

Time

James B. Pink F254

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

