DATE 01/1	5/2009 This	Columbia County B Permit Must Be Prominently Posted		struction	PERMIT 000027574
ADDI ICANT			PHONE	386.752.4071	000027374
APPLICANT ADDRESS	KENNY TOWNS	1621	LAKE CITY	360.732.4071	FL 32056
OWNER	BRYAN & TERE		PHONE	386.752.6137	32030
ADDRESS		ALPHA TERRACE	LAKE CITY	300.732.0137	FL 32055
CONTRACTO		HERLONG	PHONE	386.752.4071	
LOCATION O		N.MARION AVENUE TO ALPH			
DOCATIONO	TROTERT	ON R.			
TYPE DEVEL	OPMENT RE	EMDODEL SFD ES	TIMATED COST OF CO	NSTRUCTION	0.00
HEATED FLO	OR AREA	TOTAL ARE	EA	HEIGHT 16.	00 STORIES 1
FOUNDATION	N CONC	WALLS FRAMED F	ROOF PITCH 6'12	FLO	OOR CONC
LAND USE &	ZONING R	RSF-/MH 2	MAX	HEIGHT 35	80 91
Minimum Set l	Back Requirments:	STREET-FRONT 25.00	REAR	15.00	SIDE 10.00
NO. EX.D.U.	1 F	LOOD ZONE X	DEVELOPMENT PERM	AIT NO.	
PARCEL ID	28-3S-17-05757-	000 SUBDIVISIO	N CAROLYN HEIGH	TTS ===	
LOT 7	BLOCK 4	PHASE UNIT		L ACRES 0.2	1 _
				7	7
		RB0029433	Finge	ternen	
Culvert Permit	No. Cuive X-09-	rt Waiver Contractor's License Nur -008 LLK	\ //	Applicant/Owner/C /R	N
Driveway Conr		<del></del>		roved for Issuance	
Directial Com	icction Septic		ig encerted by	TO TOU TO! ISSUANCE	
COMMENTS.	EXEMPT FROM	I IMPACT FEES EXISTING DWFLL	ING NO CHARGE BUR	NOUT	
COMMENTS: STRUCTURE	/ <del></del>	I IMPACT FEES. EXISTING DWELL PTACHED, NOC ON FILE.	ING. NO CHARGEBUR	N OUT	
	/ <del></del>	I IMPACT FEES. EXISTING DWELL TTACHED. NOC ON FILE.	ING. NO CHARGEBUR		sh NO CHARGE
	/ <del></del>	TTACHED. NOC ON FILE.		Check # or Cas	sh NO CHARGE
STRUCTURE.	FIRE REPORT A	FOR BUILDING & ZONIN	IG DEPARTMENT	Check # or Cas	sh NO CHARGE  (footer/Slab)
	FIRE REPORT A	FOR BUILDING & ZONIN  Foundation	IG DEPARTMENT	Check # or Cas	(footer/Slab)
STRUCTURE.  Temporary Pov	FIRE REPORT A	FOR BUILDING & ZONIN  Foundation  /app. by	IG DEPARTMENT	Check # or Cas	(footer/Slab)  date/app. by
STRUCTURE.  Temporary Pov	FIRE REPORT A	FOR BUILDING & ZONIN  Foundation  /app. by	IG DEPARTMENT	Check # or Cas	(footer/Slab)
STRUCTURE.  Temporary Pov	verdate	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by	IG DEPARTMENT date/app. by	Check # or Cas  ONLY  Monolithic  Sheathing/N	(footer/Slab)  date/app. by
Temporary Pov Under slab rou Framing	ver date gh-in plumbing date/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by	date/app. by	Check # or Cas  ONLY  Monolithic  Sheathing/N	(footer/Slab)  date/app. by
Temporary Pov	verdate gh-in plumbing date/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al	date/app. by  date/app. by  date/app. by  oove slab and below wood	Check # or Cas  ONLY  Monolithic  Sheathing/N	(footer/Slab)  date/app. by  lailing date/app. by  date/app. by
Temporary Pov Under slab roug Framing Electrical roug	ver date gh-in plumbing date/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing all  Heat & Air Duct	date/app. by  date/app. by  date/app. by  poove slab and below wood	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)	(footer/Slab)  date/app. by  lailing date/app. by  date/app. by
Temporary Pov Under slab rou Framing	ver date gh-in plumbing date/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  pp. by  C.O. Final	date/app. by  date/app. by  date/app. by  oove slab and below wood	Check # or Cas  ONLY  Monolithic  Sheathing/N	(footer/Slab)  date/app. by  lailing date/app. by  date/app. by
Temporary Pov Under slab roug Framing Electrical roug Permanent pow	verdate gh-in plumbing date/app. by th-indate/a er	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  Heat & Air Duct  app. by  C.O. Final  by  ty and plumbing	date/app. by  date/app. by  date/app. by  oove slab and below wood  date/app. by	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)	(footer/Slab)  date/app. by  lailing  date/app. by  date/app. by  date/app. by
Temporary Pov Under slab rou Framing Electrical roug Permanent pow M/H tie downs,	verdate gh-in plumbing date/app. by gh-indate/a erdate/app.	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing all  pp. by  C.O. Final  by  ty and plumbing	date/app. by  date/app. by  ove slab and below wood  date/app. by  date/app. by	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool	(footer/Slab)  date/app. by  lailing  date/app. by  date/app. by  date/app. by
Temporary Pov Under slab rou Framing Electrical roug Permanent pow M/H tie downs, Reconnection	verdate gh-in plumbing date/app. by gh-indate/a erdate/app.	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing all  typp. by  C.O. Final  by  ty and plumbing  Pump pole  Pump pole  p. by  date/app	date/app. by  date/app. by  date/app. by  oove slab and below wood  date/app. by	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool	(footer/Slab)  date/app. by  lailing  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by
Temporary Pov Under slab rou Framing Electrical roug Permanent pow M/H tie downs, Reconnection M/H Pole	ver  date gh-in plumbing  date/app. by th-in  date/a er  date/app. blocking, electricit  date/app.	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  typp. by  C.O. Final by  ty and plumbing  Pump pole p. by  Travel Trailer	date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  Utility Pol	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool  e	(footer/Slab)  date/app. by  lailing  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by
Temporary Pov Under slab rou Framing Electrical roug Permanent pow M/H tie downs, Reconnection M/H Pole	ver date gh-in plumbing date/app. by h-in date/a er date/app. blocking, electricit	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  typp. by  C.O. Final by  ty and plumbing  Pump pole p. by  Travel Trailer	date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  Utility Pol	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool  e  date/app. by	(footer/Slab)  date/app. by  lailing  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by
Temporary Pov Under slab rou Framing Electrical roug Permanent pow M/H tie downs, Reconnection M/H Pole	ver date gh-in plumbing date/app. by h-in date/a er date/app. blocking, electricit date/app. te/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  typp. by  C.O. Final by  ty and plumbing  Pump pole p. by  Travel Trailer	date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  Utility Pol /app. by	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool  e  date/app. by  Re-roof	(footer/Slab)  date/app. by
Temporary Pow Under slab roug Framing Electrical roug Permanent pow M/H tie downs, Reconnection M/H Pole da	ver date gh-in plumbing date/app. by h-in date/app. blocking, electricit date/app. te/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  typp. by  C.O. Final by  ty and plumbing  Pump pole p. by  Travel Trailer	date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  date/app. by  Utility Pol /app. by  ate/app. by  E \$ 0.00	Check # or Cas  ONLY  Monolithic Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool e	(footer/Slab)  date/app. by  date/app. by
Temporary Pov Under slab rou Framing Electrical roug Permanent pow M/H tie downs, Reconnection M/H Pole da BUILDING PE MISC. FEES \$	ver date gh-in plumbing date/app. by h-in date/app. blocking, electricit date/app. te/app. by	FOR BUILDING & ZONIN  Foundation  /app. by  Slab  date/app. by  Rough-in plumbing al  Heat & Air Duct  pp. by  C.O. Final  by  ty and plumbing  Pump pole  p. by  Travel Trailer  0.00  CERTIFICATION FE  ZONING CERT. FEE \$	date/app. by  date/app. by  oove slab and below wood  date/app. by  date/app. by  Utility Pol /app. by  ate/app. by  E \$ 0.00  FIRE FEE \$ 0.00	Check # or Cas  ONLY  Monolithic  Sheathing/N  floor  Peri. beam (Lintel)  Culvert  Pool  e  date/app. by Re-roof  SURCHARGE  WASTE	(footer/Slab)  date/app. by  FEE \$ 0.00

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 TO BE IN ACTIVE PROGESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

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

# - NO CHARGE Columbia County Building Permit Application

For Office Use Only Application # 090 1-13 Da	te Received <u>13</u> By <del>W</del> Permit # <u>2757</u>
Zoning Official Date 15.01.8 Flood Zone	e X Land Use RES L~ Dow Zoning RSF/mH - 2
FEMA Map # Elevation MFE	River NA Plans Examiner Date 1-14-9
Comments Fier REPORT SHACKED	
NOC EH Deed or PA Site Plan State Road Info	= Parent Parcel #
= Dev Permit # = In Floodway =: Letter	of Auth. from Contractor = F W Comp. letter
IMPACT FEES: EMSFire	
School = TOTALE	
Septic Permit No. 4-09-008 -IN Sile Box	
Name Authorized Person Signing Permit Keiny Townse	16 70B 1621 Phone 386/397-3495
Address Lake C	City FL 3205.6- 164
Owners Name Bryan & Teresa Boyette	Phone 386/052-6137
911 Address 236 NE Alpha Terrace, La	
Contractors Name Mike Herlong (Columbia)	tome Builders Phone 386/752-4071
Address P.O. Box 1621, Lake City, FL 324	256
Fee Simple Owner Name & Address Bryan & Teres	Boyette, 1925 SE CR245, Lake City
Bonding Co. Name & Address	
Architect/Engineer Name & Address Freeman De	sign Group
Mortgage Lenders Name & Address Chase, Pois &	1001871, Louisville, KY 40290-1871
Circle the correct power company FL Power & Light	
Property ID Number 28-35-17-05757-000	Estimated Cost of Construction 50,000.00
Subdivision Name Carolyn Heights	Lot 7 Block 4 Unit Phase
Subdivision Name Carolya Heights  Driving Directions 100A North to Alpha Ten	race: AR Hon Right
	Number of Existing Dwellings on Property One
Construction of Remodel SFR	Total Acreage • 21 Lot Size 745×120
Do you need a - <u>Culvert Permit</u> or <u>Culvert Waiver</u> or <u>Have</u>	
Actual Distance of Structure from Property Lines - Front	adside Sq. Sside Rear
Number of Stories / Heated Floor Area /10 4	

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.

# **Columbia County Building Permit Application**

<u>TIME LIMITATIONS OF APPLICATION</u>: 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.

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 COMMENCMENT 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 hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.

Owners Signature Shutte

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.

Contractor's Signature (Permitee)

Contractor's License Number RB 00 29 433

Columbia County

Competency Card Number 263

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 13 day of January 2009.

SEAL:

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

State of Florida Notary Signature (For the Contractor)



This Instrument Prepared by & return to:

Name:

M BRYAN, an employee of TITLE OFFICES, LLC

Address:

343 NW COLE TERRACE, SUITE 105

LAKE CITY, FLORIDA 32055

File No. 07Y-11008MB

Parcel I.D. #: 05757-000

SPACE ABOVE THIS LINE FOR PROCESSING DATA

Inst:200712025368 Date:11/13/2007 Time:1:56 PM c Stamp-Deed:413.00 DC,P.DeWitt Cason,Columbia County Page 1 of 1

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 9th day of November, A.D. 2007, by RAUL C. SANTIAGO Single and DONNA M. RODRIGUES & , hereinafter called the grantors, to BRYANS. BOYETTE and TERESA Y. BOYETTE, HIS WIFE, whose post office address is , hereinafter called the grantees:

(Wherever used herein the terms "grantors" and "gruntees" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantors, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, do hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantees all that certain land situate in Columbia County, State of Florida, viz:

Lot 7, Block 4, CAROLYN HEIGHTS, according to the revised map or plat thereof as recorded in Plat Book 3, Page 57, of the Public Records of Columbia County, Florida.

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

To Have and to Hold the same in fee simple forever.

And the grantors hereby covenant with said grantees that they are lawfully seized of said land in fee simple; that they have good right and lawful authority to sell and convey said land, and hereby fully warrant the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2007.

In Witness Whereof, the said grantors have signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Witness Signature

Printed Name

Witness Signatu BRIAN

Printed Name

Edrificals

STATE OF FLORIDA COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 9th day of November, 2007, by RAUL C. and DONNA M. RODRIGUES, who are known to me or who have produced

as identification.

Notary Public

My commission expires

MARTHA BRYAN on DD 675924 at 10, 2011

# **Columbia County Property** Appraiser DB Last Updated: 1/12/2009

2008 Tax Year

Tax Record

**Property Card** 

Interactive GIS Map

Search Result: 1 of 1

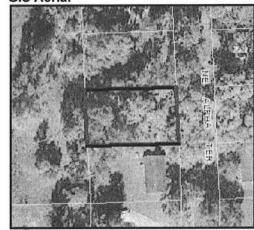
Print

Parcel: 28-3S-17-05757-000

Owner & Property Info

Owner's Name	BOYETTE BRYAN S & TERESA Y				
Site Address	ALPHA				
Mailing Address	1925 SE CR 245 LAKE CITY, FL 32025				
Use Desc. (code)	SINGLE FAM (000100)				
Neighborhood	28317.04				
UD Codes	MKTA03 Market Area 06				
Total Land Area	0.000 ACRES				
Description	LOT 7 BLOCK 4 CAROLYN HEIGHTS S/D. WD 1041-1615,CWD 1136-84, WD 1136-85				

**GIS Aerial** 



Property & Assessment Values

Mkt Land Value	cnt: (1)	\$12,600.00
Ag Land Value	cnt: (0)	\$0.00
<b>Building Value</b>	cnt: (1)	\$36,040.00
XFOB Value	cnt: (2)	\$1,352.00
Total Appraised Value		\$49,992.00

Just Value	\$49,992.00	
Class Value	\$0.00	
Assessed Value	\$49,992.00	
Exempt Value	\$0.00	
Total Taxable Value	\$49,992.00	

Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
11/9/2007	1136/85	WD	I	Q		\$59,000.00
3/24/2005	1041/1615	WD	I	Q		\$50,000.00
10/1/1983	584/240	QC	I	U	01	\$15,000.00

**Building Characteristics** 

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value	
1	SINGLE FAM (000100)	1965	Common BRK (19)	864	1104	\$36,040.00	
	Note: All S.F. calculations are based on exterior building dimensions.						

Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
0120	CLFENCE 4	1994	\$200.00	1.000	0 x 0 x 0	(.00)
0070	CARPORT UF	1993	\$1,152.00	384.000	16 x 24 x 0	(.00)

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000100	SFR (MKT)	1.000 LT - (.000AC)	1.00/1.00/1.00/1.00	\$12,600.00	\$12,600.00

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Address: City, State: Owner: Climate Zone:	Boyette Residence Lake City, FI Bryan and Teresa Boyette North	Builder: K. Townsend Permitting Office: Counts A Permit Number: 27574 Jurisdiction Number: Z21006			
a. U-factor:	multi-family Single family	12. Cooling systems a. Central Unit b. N/A c. N/A  13. Heating systems a. Electric Heat Pump b. N/A c. N/A  14. Hot water systems a. Electric Resistance b. N/A  c. Conservation credits (HR-Heat recovery, Solar DHP-Dedicated heat pump)  15. HVAC credits (CF-Ceiling fan, CV-Cross ventilation, HF-Whole house fan, PT-Programmable Thermostat, MZ-C-Multizone cooling, MZ-H-Multizone heating)	Cap: 32.0 kBtu/hr SEER: 13.00		
Gla	ss/Floor Area: 0.07 Total as-built p	points: 17201 PASS			
this calculation are Code.  PREPARED BY DATE:  I hereby certify that with the Florida End OWNER/AGEN	the plans and specifications covered by in compliance with the Florida Energy  :	Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.  BUILDING OFFICIAL:  DATE:			

# **Summary Energy Code Results**

# Residential Whole Building Performance Method A

Bryan and Teresa Boyette

Lake City, FI

Project Title: Boyette Residence Code Only Professional Version Climate: North

12/22/2008

Building Loads					
Base As-Built					
Summer:	13004 points	Summer: 10865 points			
Winter:	10773 points	Winter:	9473 points		
Hot Water:	9697 points	Hot Water:	9697 points		
Total:	33474 points	Total:	30035 points		

Energy Use					
Base As-Built					
Cooling:	4226 points	Cooling:	2661 points		
Heating:	5968 points	Heating:	4333 points		
Hot Water:	10540 points	Hot Water:	10207 points		
Total:	20735 points	Total:	17201 points		

PASS

e-Ratio: 0.83

EnergyGauge®(Version: FLRCPB v4.5)

# **SUMMER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

	BASE					AS-B	UILT				
GLASS TYPES .18 X Condition Floor Are		PM = I	Points	Type/SC		erhang Len H	gt Area )	X SP	мх	SOF	= Points
.18 1058.	0	18.59	3540.0	1.Double, Clear 2.Double, Clear 3.Double, Clear 4.Double, Clear  As-Built Total:	SW NE NW SE	1.5 6 1.5 6	0 12.0 .0 36.0 .0 18.0 .0 12.0	40. 29. 25. 42.	56 97	0.89 0.92 0.93 0.88	426.0 979.0 432.0 453.0
WALL TYPES	Area X	BSPM	= Points	Туре		R-Va	alue Are	a X	SPI	Л =	Points
Adjacent Exterior	0.0 914.6	0.00 1.70	0.0 1554.8	1. Frame, Wood, Exterior		13	0 914.6		1.50		1371.9
Base Total:	914.6		1554.8	As-Built Total:			914.6				1371.9
DOOR TYPES	Area X	BSPM	= Points	Туре			Are	a X	SPN	Л =	Points
Adjacent Exterior  Base Total:	0.0 63.4 <b>63.4</b>	0.00 6.10	0.0 386.5 <b>386.5</b>	1.Exterior Insulated 2.Exterior Insulated 3.Exterior Insulated As-Built Total:			19.8 17.2 26.4 <b>63.4</b>		4.10 4.10 4.10		81.2 70.4 108.2 <b>259.8</b>
CEILING TYPES	Area X	BSPM	= Points	Туре		R-Value	Area X	SPN	IX SO	CM =	Points
Under Attic	1056.0	1.73	1826.9	1. Under Attic		30.	0 1056.0	1.73	X 1.00		1826.9
Base Total:	1056.0		1826.9	As-Built Total:			1056.0				1826.9
FLOOR TYPES	Area X	BSPM	= Points	Туре		R-Va	lue Are	a X	SPN	<b>/</b> 1 =	Points
Slab 1 Raised	38.0(p) 0.0	-37.0 0.00	-5106.0 0.0	1. Slab-On-Grade Edge Insul	lation	0.	0 138.0(p		-41.20		-5685.6
Base Total:			-5106.0	As-Built Total:			138.0				-5685.6
INFILTRATION	Area X	BSPM	= Points				Are	аХ	SPN	1 =	Points
	1058.0	10.21	10802.2				1058	3.0	10.21		10802.2

# WINTER CALCULATIONS

# Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

BASE	AS-BUILT					
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	Overhang  Type/SC Ornt Len Hgt Area X WPM X WOF = Point					
.18 1058.0 20.17 3841.0	1.Double, Clear     SW     1.5     6.0     12.0     16.74     1.06     212.0       2.Double, Clear     NE     1.5     6.0     36.0     23.57     1.01     853.0       3.Double, Clear     NW     1.5     6.0     18.0     24.30     1.00     438.0       4.Double, Clear     SE     1.5     6.0     12.0     14.71     1.10     193.0					
WALL TYPES Area X BWPM = Points	As-Built Total: 78.0 1696.0  Type R-Value Area X WPM = Points					
Adjacent 0.0 0.00 0.0 Exterior 914.6 3.70 3384.0	1. Frame, Wood, Exterior 13.0 914.6 3.40 3109.6					
Base Total: 914.6 3384.0	As-Built Total: 914.6 3109.6					
DOOR TYPES Area X BWPM = Points	Type Area X WPM = Points					
Adjacent       0.0       0.00       0.0         Exterior       63.4       12.30       779.3         Base Total:       63.4       779.3	1.Exterior Insulated       19.8       8.40       166.3         2.Exterior Insulated       17.2       8.40       144.1         3.Exterior Insulated       26.4       8.40       221.8         As-Built Total:       63.4       532.2					
CEILING TYPES Area X BWPM = Points	Type R-Value Area X WPM X WCM = Points					
Under Attic 1056.0 2.05 2164.8	1. Under Attic 30.0 1056.0 2.05 X 1.00 2164.8					
Base Total: 1056.0 2164.8	As-Built Total: 1056.0 2164.8					
FLOOR TYPES Area X BWPM = Points	Type R-Value Area X WPM = Points					
Slab         138.0(p)         8.9         1228.2           Raised         0.0         0.00         0.0	1. Slab-On-Grade Edge Insulation 0.0 138.0(p 18.80 2594.4					
Base Total: 1228.2	As-Built Total: 138.0 2594.4					
INFILTRATION Area X BWPM = Points	Area X WPM = Points					
1058.0 -0.59 -624.2	1058.0 -0.59 -624.2					

# **WATER HEATING & CODE COMPLIANCE STATUS**

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

BASE				AS-BUILT								
WATER HEA Number of Bedrooms	X	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	х	Tank X Ratio	Multiplier >	Credit :	
4		2635.00		10540.0	50.0	0.95	4		1.00	2551.79	1.00	10207.2
				As-Built To	As-Built Total:					10207.2		

	CODE COMPLIANCE STATUS												
	BASE				AS-BUILT								
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
4226		5968		10540		20735	2661		4333		10207		17201

**PASS** 



# **Code Compliance Checklist**

# Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

#### **6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST**

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: 3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members.  EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures 606.1.ABC.1.2.4 Type IC rated with no penetrati sealed box with 1/2" clearance		Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

## 6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

# WINTER CALCULATIONS

# Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

	BASE		AS-BUILT						
Winter Base Points: 10773.1			Winter As-Built Points:	9472.8					
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Component Ratio Multiplier Multiplier Multiplier (System - Points) (DM x DSM x AHU)	Heating Points					
10773.1	0.5540	5968.3	(sys 1: Electric Heat Pump 32000 btuh ,EFF(7.7) Ducts:Con(S),Con(R),Int(AH) 9472.8	),R6.0 4332.8 <b>4332.8</b>					

# **SUMMER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

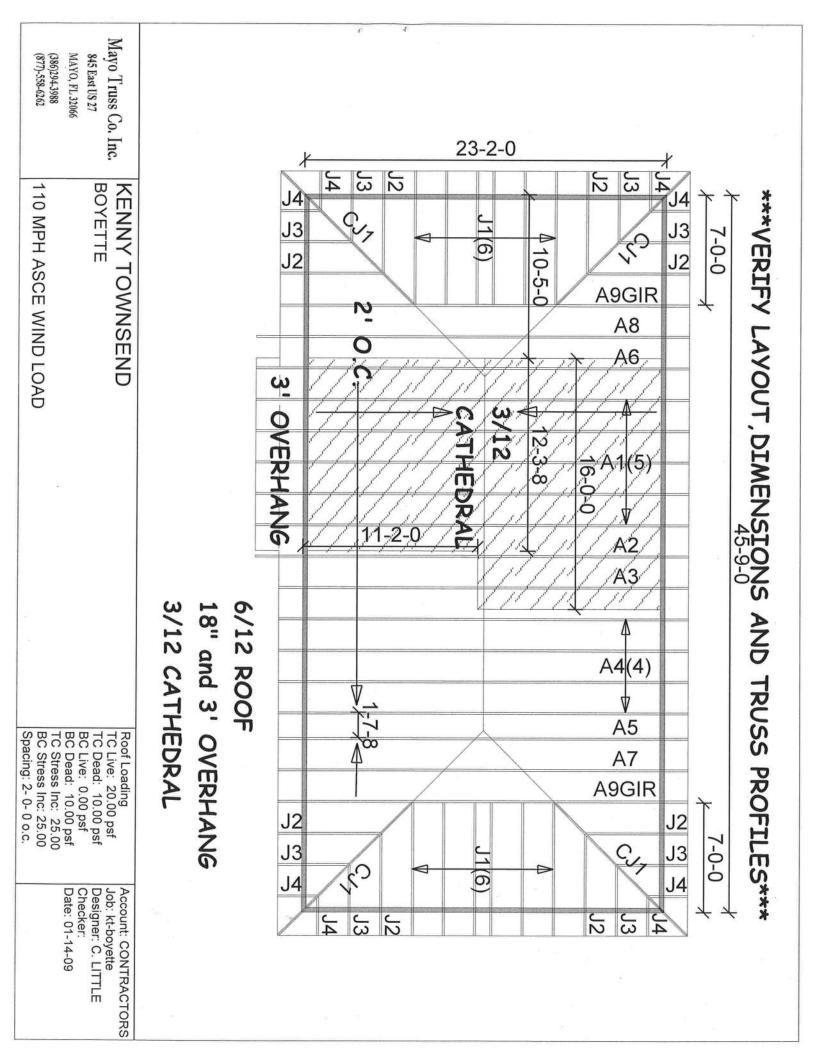
	BASE		AS-BUILT						
Summer Ba	ase Points:	13004.4	Summer As-Built Points: 10865.1						
Total Summer Points	X System Multiplier	= Cooling Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)						
13004.4	0.3250	4226.4	(sys 1: Central Unit 32000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)         10865       1.00 (1.00 x 1.147 x 0.91) 0.260 0.902 2661.1         10865.1       1.00 1.044 0.260 0.902 2661.1						

Inst. Number: 200912000467 Book: 1165 Page: 623 Date: 1/13/2009 Time: 10:25:00 AM Page 1 of 1

# NOTICE OF COMMENCEMENT FORM COLUMBIA COUNTY, FLORIDA

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

with	Chapter 713, Florida Statutes, the following information is provided in this Notice of Commencement.
	Parcel ID Number 38-35-17-05757-000 PERMIT NUMBER
1.	Description of property: (legal description of the
	Description of property: (legal description of the property and street address or 911 address)
	The transfer of the contract o
	236 NE Alpha Terrace, Lake City, FC 32055
	Inst:200912000467 Date: Time:10:25 AM  DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1165 P:623
Z.	Orngle tomily dwelling
3.	Owner Name & Address Bryan & Terisa Boyette, 1925 SE CR 245, Lake City  FL 32025 Interest in Property Fre Const.
	FL 32025 SECR 245 Lake City
A	Name & Address of Fee Simple Owner (If other than owner the other than owner)
₩.	(ii order dian owner):
5.	Contractor Name Columbia thone Buildani This
6.	Di-
	radios -
	Lender Name Chase
7.	Lender Name Chase Phone Number 800/848-9136  Address FOB 9001871, Louisville Ky 40290-1871  Persons within the State of Florida designated by the Owner Warner Warn
я	Persona within the State of The Law String Ny 40246-1871
80	rved as provided by section 718.13 (1)(a) 7; Florida Statutes:
	Name
	Address
9.	In addition to himself/herself the owner designates
	W receive a copy of the Lighter Made
	(a) 7. Phone Number of the designee
10	. Expiration date of the Notice of Commencement (the expiration date is 4 (and
	(Unless a different date is specified)
NO The	TICE AS PER CHAPTER 713. Florida Statutes:  - owner must sign, the notice of commencement and no one else may be permitted to sign in his/her stead.
\	The At Country of permitted to sign in his/her stead.
	Sworn to (or affirmed) and subscribed before 2944 day of
	Signature of Owner NOTARY STAMP/SEAL





RE: KT-BOYETTE -

Site Information:

Customer Info: KENNY TOWNSEND CONST. Model: BOYETTE

Lot/Block: .

Subdivision: .

Address: . City: .

State: FLORIDA

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

License #:

Address:

State:

City:

Loading Conditions):

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special

Design Code: FBC2004/TPI2002

Design Program: Robbins OnLine Plus 23.0.042□

Wind Code: ASCE 7-02 Wind Speed: 110 mph

Floor Load: N/A psf

Roof Load: 40.0 psf

This package includes 14 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	T3254053	A1	1/13/09
2	T3254054	A2	1/13/09
3	T3254055	A3	1/13/09
4	T3254056	A4	1/13/09
5	T3254057	A5	1/13/09
6	T3254058	A6	1/13/09
7	T3254059	A7	1/13/09
8	T3254060	A8	1/13/09
9	T3254061	A9GIR	1/13/09
10	T3254062	CJ1	1/13/09
11	T3254063	J1	1/13/09
12	T3254064	J2	1/13/09
13	T3254065	J3	1/13/09
14	T3254066	J4	1/13/09

The truss drawing(s) referenced above have been prepared by Robbins Engineering, 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, 2011.

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.

6904 Parke East Boulevard Tampa, FL 33610-4115 Phone: 813-972-1135 • Fax: 813-971-6117

www.robbinseng.com

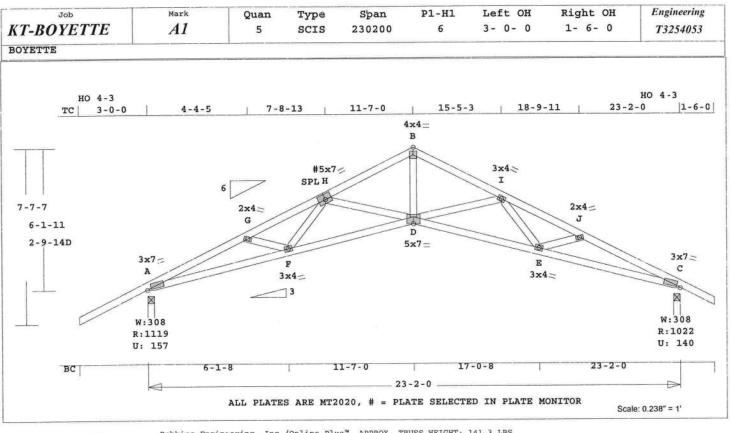
Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

January 13,2009

DALLAS

TAMPA

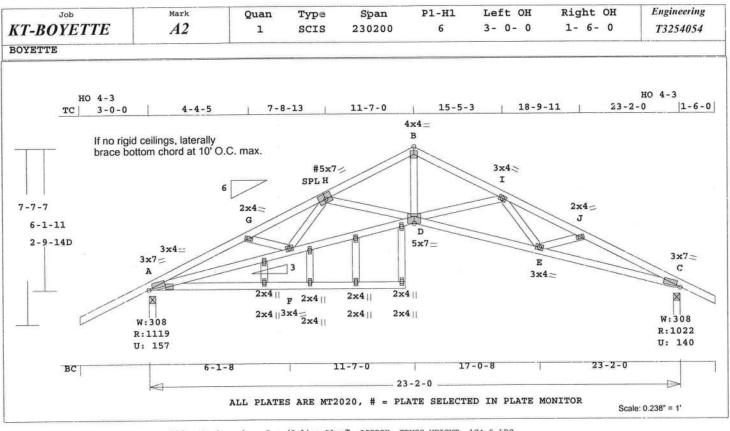
FT. WORTH



Robbins Engineering, Inc /Online Plus™ APPROX. TRUSS WEIGHT: 141.3 LBS ------Webs------Online Plus -- Version 23.0.042 G -F 0.03 232 T RUN DATE: 13-JAN-09 F -H 0.04 314 T 535 C CSI -Size- ----Lumber----H -D 0.13 0.28 2x 4 SP-#2 D -B 0.27 1514 T TC D -I 0.13 538 C 2x 4 SP-#2 BC 0.55 I -E 0.04 315 T SP-#2 WR 0.27 2x 4 0.03 237 T E -J Brace truss as follows: -0.37" in F -D L/734 To TL Defl O.C. From 0- 0- 0 23- 2- 0 -0.18" in F -D L/999 TC Cont. LL Defl 0- 0- 0 23- 2- 0 Hz Disp LL DL TI. BC Cont. 0.13" 0.13" Jt C 0.26" Shear // Grain in A -G 0.18 psf-Ld Dead Live TC 10.0 20.0 Plates for each ply each face. BC 10.0 0.0 Plate - MT20 20 Ga, Gross Area TC+BC 20.0 20.0 Spacing 24.0" Plate - MT2H 20 Ga, Gross Area 40.0 Total Plt Size X Y Lumber Duration Factor 1.25 Jt Type JSI A MT20 3.0x 7.0 Ctr Ctr 0.68 Plate Duration Factor 1.25 2.0x 4.0 Ctr Ctr 0.21 G MT20 TC Fb=1.15 Fc=1.10 Ft=1.10 5.0x 7.0-0.3 0.3 0.39 H# MT20 BC Fb=1.10 Fc=1.10 Ft=1.10 4.0x 4.0 Ctr Ctr 0.58 B MT20 3.0x 4.0 Ctr Ctr 0.34 I MT20 Total Load Reactions (Lbs) J MT20 2.0x 4.0 Ctr Ctr 0.21 Down Uplift Horiz-Jt C MT20 3.0x 7.0 Ctr Ctr 0.68 157 U 112 R A 1119 3.0x 4.0 Ctr Ctr 0.31 140 U 112 R F MT20 C 1022 D 5.0x 7.0 Ctr-1.1 0.65 MT20 3.0x 4.0 Ctr Ctr 0.31 Brg Size E MT20 Required A 3.5" 1.5" # = Plate Monitor used 3.5" 1.5" C REVIEWED BY: Robbins Engineering, Inc. Plus 9 Wind Load Case(s) 6904 Parke East Blvd. 1 UBC LL Load Case(s) Plus Tampa, FL 33610 1 DL Load Case(s) Plus REFER TO ROBBINS ENG. GENERAL Membr CSI P Lbs Axl-CSI-Bnd NOTES AND SYMBOLS SHEET FOR ------Top Chords-----ADDITIONAL SPECIFICATIONS. A -G 0.28 2858 C 0.17 0.11 0.12 G -H 0.27 2655 C 0.15 NOTES: 1952 C 0.11 0.12 H -B 0.23 1952 C 0.11 0.12 Trusses Manufactured by: B -I 0.23 Mayo Truss Co. Inc. 0.27 2660 C 0.15 0.12 I -J Analysis Conforms To: 2867 C 0.17 0.10 0.27 J -C FBC2004 ---Bottom Chords----0.43 0.12 OH Loading - F 0.55 2606 T Soffit psf 2.0 F -D 0.51 2337 T 0.39 0.12 Design checked for 10 psf non--E 0.50 2339 T 0.39 0.11 D 0.54 2615 T 0.43 0.11 concurrent LL on BC. E -C

NOTE: USER MODIFIED PLATES This design may have plates selected through a plate monitor. Wind Loads - ANSI / ASCE 7-02 Truss is designed as Components and Claddings\* for Exterior zone location. Wind Speed: Mean Roof Height: 15-0 Exposure Category: Occupancy Factor : 1.00 Building Type: Enclosed 5.0 psf TC Dead Load: BC Dead Load: 5.0 psf 2867 Lbs Max comp. force Max tens. force 2615 Lbs Quality Control Factor 1.25

> Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 174.5 LBS ------Webs-----NOTE: USER MODIFIED PLATES Online Plus -- Version 23.0.042 G -F 0.03 232 T This design may have plates RUN DATE: 13-JAN-09 F-H 0.04 314 T selected through a plate 535 C monitor. H -D 0.13 CSI -Size- ----Lumber----Wind Loads - ANSI / ASCE 7-02 0.27 1514 T 0.28 2x 4 SP-#2 D -B TC 538 C Truss is designed as D -I 0.13 0.55 2x 4 SP-#2 BC Components and Claddings\* I -E 0.04 315 T 2x 4 SP-#2 WB 0.27 E -J 0.03 237 T for Exterior zone location. Wind Speed: Brace truss as follows: To TL Defl -0.37" in F -D L/734 Mean Roof Height: o.c. From Exposure Category: LL Defl -0.18" in F -D L/999 0- 0- 0 23- 2- 0 Cont. Occupancy Factor : 1.00 DI. TL 0- 0- 0 23- 2- 0 Hz Disp LL BC Cont. 0.13" 0.13" 0.26" Building Type: Enclosed Jt C Shear // Grain in A -G 0.18 TC Dead Load: psf-Ld Dead Live BC Dead Load: TC 10.0 20.0 Plates for each ply each face. Max comp. force BC 10.0 0.0 Plate - MT20 20 Ga, Gross Area Plate - MT2H 20 Ga, Gross Area Max tens. force TC+BC 20.0 20.0 24.0" Quality Control Factor 1.25 40.0 Spacing Total Jt Type Plt Size X Y JSI Lumber Duration Factor 1.25 A MT20 3.0x 7.0 Ctr Ctr 0.68 Plate Duration Factor 1.25 2.0x 4.0 Ctr Ctr 0.21 G MT20 TC Fb=1.15 Fc=1.10 Ft=1.10 5.0x 7.0-0.3 0.3 0.39 H# MT20 BC Fb=1.10 Fc=1.10 Ft=1.10 B MT20 4.0x 4.0 Ctr Ctr 0.58 3.0x 4.0 Ctr Ctr 0.34 MT20 Total Load Reactions (Lbs) I J MT20 2.0x 4.0 Ctr Ctr 0.21 Down Uplift Horiz-Jt C MT20 3.0x 7.0 Ctr Ctr 0.68 157 U 112 R A 1119 112 R F MT20 3.0x 4.0 Ctr Ctr 0.31 140 U C 1022 D MT20 5.0x 7.0 Ctr-1.1 0.65 E MT20 3.0x 4.0 Ctr Ctr 0.31 Brg Size Required A 3.5" 1.5" # = Plate Monitor used C 3.5" 1.5" REVIEWED BY: Robbins Engineering, Inc. Plus 9 Wind Load Case(s) 6904 Parke East Blvd. Plus 1 UBC LL Load Case(s) Tampa, FL 33610 1 DL Load Case(s) Plus REFER TO ROBBINS ENG. GENERAL Membr CSI P Lbs Ax1-CSI-Bnd NOTES AND SYMBOLS SHEET FOR -----Top Chords-----ADDITIONAL SPECIFICATIONS. 0.28 2858 C 0.17 0.11 A -G 0.15 0.12 G -H 0.27 2655 C NOTES: 0.23 1952 C 0.11 0.12 Trusses Manufactured by: 1952 C 0.11 0.12 B -I 0.23 0.12 Mayo Truss Co. Inc. 0.27 2660 C 0.15 I -J 2867 C 0.17 0.10 Analysis Conforms To: J -C 0.27 FBC2004 --- Bottom Chords---0.43 0.12 OH Loading A -F 0.55 2606 T Soffit psf 2.0 F -D 0.51 2337 T 0.39 0.12 Design checked for 10 psf non-D -E 0.50 2339 T 0.39 0.11

concurrent LL on BC.

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

110 mph

5.0 psf

5.0 psf

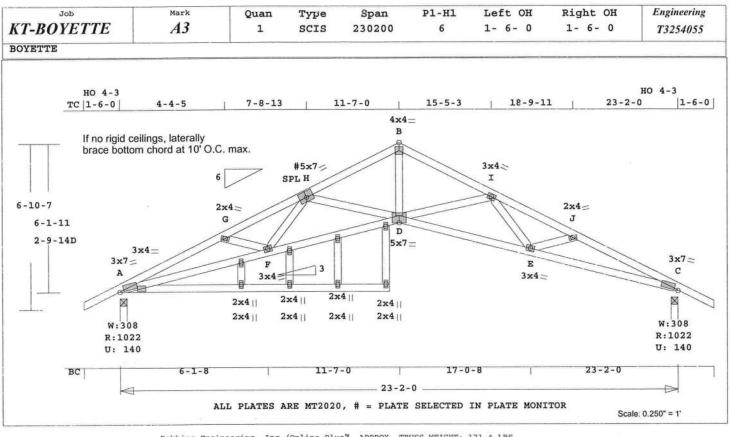
2867 Lbs

2615 Lbs

0.11

0.54 2615 T 0.43

E -C



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 171.4 LBS ------Webs-----NOTE: USER MODIFIED PLATES Online Plus -- Version 23.0.042 237 T RUN DATE: 13-JAN-09 G -F 0.03 This design may have plates F -H 0.04 315 T selected through a plate CSI -Size- ----Lumber----H -D 0.13 538 C monitor. D -B 0.28 1516 T Wind Loads - ANSI / ASCE 7-02 0.27 2x 4 SP-#2 TC 2x 4 SP-#2 D -I 0.13 538 C Truss is designed as BC 0.54 Components and Claddings\* 0.04 315 T 2x 4 SP-#2 I -E WB 0.28 E -J 0.03 237 T for Exterior zone location. Wind Speed: 110 mph Brace truss as follows: TL Defl -0.37" in F -D Mean Roof Height: 15-0 O.C. From To LL Defl Exposure Category: 0- 0- 0 23- 2- 0 -0.18" in F -D L/999 TC Cont. Hz Disp LL DL TL Occupancy Factor : 1.00 0- 0- 0 23- 2- 0 BC Cont. Building Type: Enclosed 0.13" 0.26" 0.13" Jt C Shear // Grain in A -G 0.18 5.0 psf Dead Live TC Dead Load: psf-Ld BC Dead Load: 5.0 psf TC 10.0 20.0 Plates for each ply each face. Max comp. force 2869 Lbs BC 10.0 0.0 Plate - MT20 20 Ga, Gross Area TC+BC 20.0 20.0 Max tens. force 2617 Lbs Plate - MT2H 20 Ga, Gross Area Spacing 24.0" Quality Control Factor 1.25 Total 40.0 Jt Type Plt Size X Y JSI Lumber Duration Factor 1.25 Plate Duration Factor 1.25 3.0x 7.0 Ctr Ctr 0.68 A MT20 G 2.0x 4.0 Ctr Ctr 0.21 TC Fb=1.15 Fc=1.10 Ft=1.10 MT20 BC Fb=1.10 Fc=1.10 Ft=1.10 H# MT20 5.0x 7.0-0.3 0.3 0.39 MT20 4.0x 4.0 Ctr Ctr 0.58 B 3.0x 4.0 Ctr Ctr 0.34 I MT20 Total Load Reactions (Lbs) MT20 2.0x 4.0 Ctr Ctr 0.21 J Jt Down Uplift Horiz-3.0x 7.0 Ctr Ctr 0.68 C MT20 1023 140 U 112 R A 3.0x 4.0 Ctr Ctr 0.31 C 1023 140 U 112 R F MT20 D MT20 5.0x 7.0 Ctr-1.1 0.66 Brg Size E MT20 3.0x 4.0 Ctr Ctr 0.31 Jt Required 1.5" 3.5" A 3.5" 1.5" # = Plate Monitor used C REVIEWED BY: 9 Wind Load Case(s) Robbins Engineering, Inc. Plus 1 UBC LL Load Case(s) 6904 Parke East Blvd. Plus Tampa, FL 33610 1 DL Load Case(s) Plus Membr CSI P Lbs Ax1-CSI-Bnd REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR -----Top Chords-----ADDITIONAL SPECIFICATIONS. 0.27 2869 C 0.17 0.10 0.15 0.12 G -H 0.27 2663 C NOTES: 1955 C 0.11 0.12 0.23 H -B 0.12 Trusses Manufactured by: 1955 C 0.11 B -I 0.23 Joaquin Velez, FL Lic. #68182 Mayo Truss Co. Inc. I -J 0.27 2663 C 0.15 0.12 Robbins Engineering Analysis Conforms To: J -C 0.27 2869 C 0.17 0.10 FBC2004 --Bottom Chords---6904 Parke East Blvd 2617 T 0.11 OH Loading A -F 0.54 0.43 Tampa, FL, 33610 Soffit psf 2.0 0.50 2341 T 0.39 0.11 F -D

Design checked for 10 psf non-

concurrent LL on BC.

FL Cert.#5555

0.11

0.11

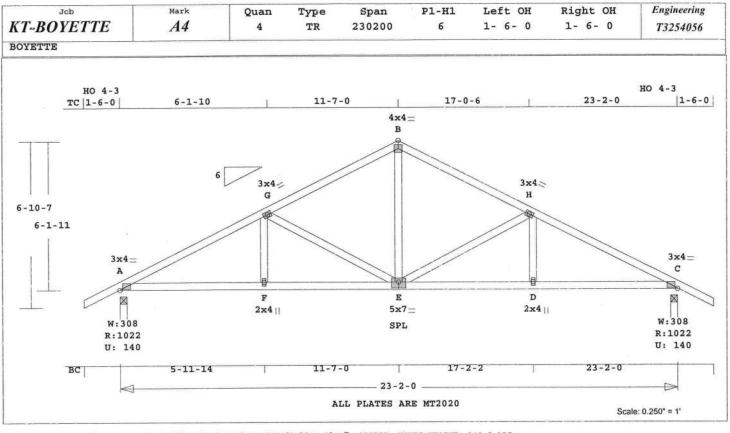
0.39

2341 T

0.54 2617 T 0.43

D -E

0.50



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 143 2 LBS A -F 0.32 1375 T 0.23 0.09 Online Plus -- Version 23.0.042 Soffit psf 2.0 RUN DATE: 13-JAN-09 F-E 0.32 1375 T 0.23 0.09 Design checked for 10 psf non-E -D 0.32 1375 T 0.23 0.09 concurrent LL on BC. D -C 0.32 1375 T 0.23 0.09 Wind Loads - ANSI / ASCE 7-02 CSI -Size- ----Lumber----0.34 2x 4 SP-#2 --Webs-----Truss is designed as ------Components and Claddings\* F -G 0.03 229 T 2x 4 SP-#2 BC 0.32 G -E 0.31 515 C for Exterior zone location. 0.31 2x 4 SP-#2 E -B 0.13 605 T Wind Speed: E -H 0.31 515 C Mean Roof Height: 15-0 Brace truss as follows: D -H 0.03 229 T Exposure Category: B O.C. From To 0- 0- 0 23- 2- 0 Occupancy Factor : 1.00 Cont. TL Defl -0.10" in F -E L/999 LL Defl -0.05" in F -E L/999 Building Type: Enclosed 0- 0- 0 23- 2- 0 BC Cont. TC Dead Load: Shear // Grain in A -G psf-Ld Dead Live 0.20 BC Dead Load: Max comp. force 10.0 20.0 TC 0.0 Plates for each ply each face. Max tens. force BC 10.0 Plate - MT20 20 Ga, Gross Area Quality Control Factor 1.25 20.0 20.0 TC+BC Spacing 24.0" Plate - MT2H 20 Ga, Gross Area Total 40.0 Jt Type Plt Size X Y JSI Lumber Duration Factor 1.25 A MT20 3.0x 4.0 Ctr Ctr 0.69 Plate Duration Factor 1.25 G MT20 3.0x 4.0 Ctr Ctr 0.37 TC Fb=1.15 Fc=1.10 Ft=1.10 MT20 4.0x 4.0 Ctr Ctr 0.43 BC Fb=1.10 Fc=1.10 Ft=1.10 B H MT20 3.0x 4.0 Ctr Ctr 0.37 3.0x 4.0 Ctr Ctr 0.69 Total Load Reactions (Lbs) C MT20 2.0x 4.0 Ctr Ctr 0.29 F MT20 Jt Down Uplift Horiz-E MT20 5.0x 7.0 Ctr-0.5 0.45 Ά 1023 140 U 111 R D MT20 2.0x 4.0 Ctr Ctr 0.29 C 1023 140 U 111 R REVIEWED BY: Brg Size Required Jt A 3.5" 1.5" Robbins Engineering, Inc. 1.5" 6904 Parke East Blvd. 3.5" C Tampa, FL 33610 9 Wind Load Case(s) Plus 1 UBC LL Load Case(s) REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR 1 DL Load Case(s) Plus ADDITIONAL SPECIFICATIONS. Membr CSI P Lbs Ax1-CSI-Bnd NOTES: -----Top Chords-----Trusses Manufactured by: A -G 0.34 1532 C 0.09 0.25 Mayo Truss Co. Inc. G -B 0.32 1037 C 0.07 0.25 В -Н 0.32 1037 С 0.07 0.25 Analysis Conforms To:

FBC2004

OH Loading

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610

110 mph

5.0 psf

5.0 psf

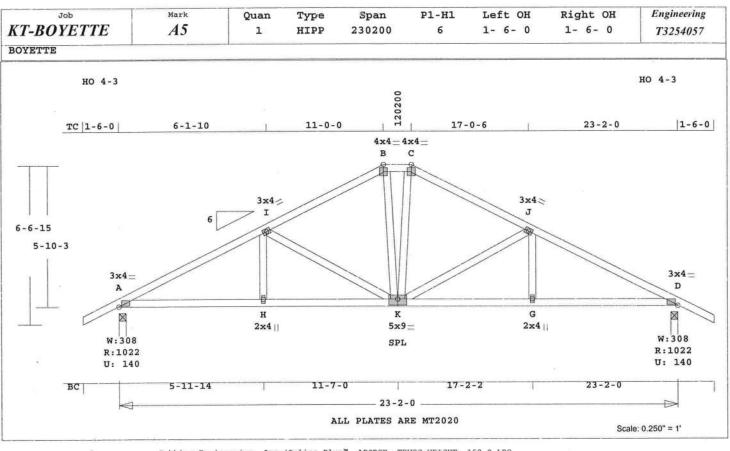
1532 Lbs

1375 Lbs

FL Cert.#5555

H -C 0.34 1532 C 0.09 0.25

-----Bottom Chords-----



Robbins Engineering, Inc./Online Plus™ APPRCX. TRUSS WEIGHT: 152.0 LBS Online Plus -- Version 23.0.042 ------Webs-----Wind Speed: H -I 0.03 229 T Mean Roof Height: 15-0 RUN DATE: 13-JAN-09 Exposure Category: I-K 0.29 503 C CSI -Size- ----Lumber----B -K 0.09 297 T Occupancy Factor : 1.00 0.09 297 T 2x 4 SP-#2 K -C Building Type: Enclosed TC 0.33 503 C 0.33 2x 4 SP-#2 K -J 0.29 TC Dead Load: 2x 4 SP-#2 WB 0.29 G -J 0.03 229 T BC Dead Load: Max comp. force TL Defl -0.10" in K -G L/999 LL Defl -0.04" in K -G L/999 Brace truss as follows: Max tens. force Quality Control Factor 1.25 To O.C. From 0- 0- 0 23- 2- 0 Shear // Grain in A -I TC Cont. 0- 0- 0 23- 2- 0 BC Cont. Plates for each ply each face. psf-Ld Dead Live Plate - MT20 20 Ga, Gross Area Plate - MT2H 20 Ga, Gross Area TC 10.0 20.0 Jt Type Plt Size X Y JSI BC 10.0 0.0 3.0x 4.0 Ctr Ctr 0.69 A MT20 TC+BC 20.0 20.0 3.0x 4.0 Ctr Ctr 0.37 I MT20 40.0 Spacing 24.0" 4.0x 4.0 Ctr Ctr 0.58 Lumber Duration Factor 1.25 B MT20 Plate Duration Factor 1.25 C MT20 4.0x 4.0 Ctr Ctr 0.58 3.0x 4.0 Ctr Ctr 0.37 TC Fb=1.15 Fc=1.10 Ft=1.10 MT20 3.0x 4.0 Ctr Ctr 0.69 BC Fb=1.10 Fc=1.10 Ft=1.10 D MT20 MT20 2.0x 4.0 Ctr Ctr 0.29 H 5.0x 9.0 Ctr-0.5 0.53 Total Load Reactions (Lbs) K MT20 Jt Down Uplift Horiz-G MT20 2.0x 4.0 Ctr Ctr 0.29 1023 140 U 106 R A REVIEWED BY: 140 U 106 R 1023 D Robbins Engineering, Inc. 6904 Parke East Blvd. Brg Size Required Jt Tampa, FL 33610 3.5" 1.5" A D 3.5" 1.5" REFER TO ROBBINS ENG. GENERAL NOTES AND SYMBOLS SHEET FOR Plus 9 Wind Load Case(s) Plus 1 UBC LL Load Case(s) ADDITIONAL SPECIFICATIONS. 1 DL Load Case(s) Plus NOTES: Membr CSI P Lbs Axl-CSI-Bnd Trusses Manufactured by: ----Top Chords-----Mayo Truss Co. Inc. Analysis Conforms To: A -I 0.33 1529 C 0.09 0.24 1048 C 0.07 0.24 FBC2004 0.31 T -B OH Loading 0.08 B -C 0.15 953 C 0.07 Soffit psf 2.0 C -J 0.31 1048 C 0.07 0.24 Design checked for 10 psf non-0.33 1529 C 0.09 0.24 ---Bottom Chords---concurrent LL on BC. Wind Loads - ANSI / ASCE 7-02 1371 T 0.23 0.10 H - A 0.33 0.23 0.09 Truss is designed as 1371 T H -K 0.32

Components and Claddings\*

for Exterior zone location.

Joaquin Velez FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

110 mph

5.0 psf

5.0 psf

1529 Lbs

1371 Lbs

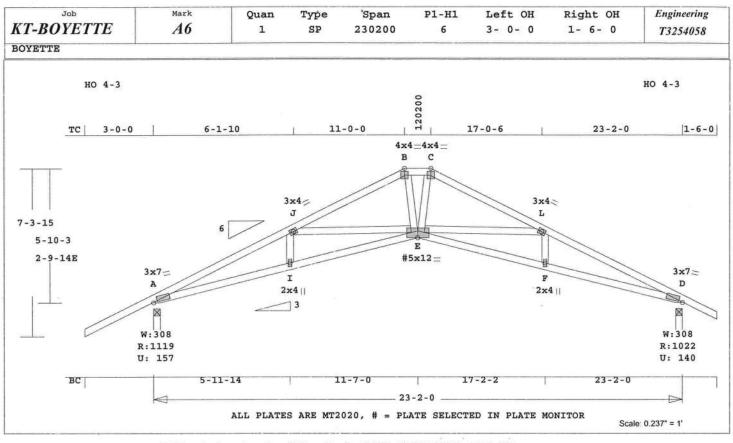
0.09

1371 T 0.23

G -D 0.33 1371 T 0.23 0.10

0.32

K -G



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 138.3 LBS Online Plus -- Version 23.0.042 ------Webs-----This design may have plates I -J 0.03 204 T RUN DATE: 13-JAN-09 selected through a plate 0.32 J -E 720 C monitor. CSI -Size- ----Lumber----B -E 0.13 708 T Wind Loads - ANSI / ASCE 7-02 0.35 2x 4 SP-#2 E -C 0.13 709 T Truss is designed as 2x 4 E-L 727 C BC 0.55 SP-#2 0.33 Components and Claddings\* F -L 2x 4 SP-#2 0.03 204 T WB 0.33 for Exterior zone location. Wind Speed: 110 mph TL Defl -0.37" in I -E L/732 Brace truss as follows: Mean Roof Height: 15-0 LL Defl -0.18" in I -E Exposure Category: O.C. From To L/999 Hz Disp Cont. 0- 0- 0 23- 2- 0 LL DL TL Occupancy Factor : 1.00 Building Type: Enclosed 0.13" 0.13" 0.26" BC Cont. 0- 0- 0 23- 2- 0 Jt D Shear // Grain in A -J 0.20 TC Dead Load: 5.0 psf psf-Ld Dead Live BC Dead Load: 5.0 psf TC 10.0 20.0 Plates for each ply each face. Max comp. force 2804 Lbs Plate - MT20 20 Ga, Gross Area BC 10.0 0.0 Max tens. force 2582 Lbs 20.0 20.0 Plate - MT2H 20 Ga, Gross Area Quality Control Factor 1.25 TC+BC Total 40.0 Spacing 24.0" Jt Type Plt Size X Y Lumber Duration Factor 1.25 A MT20 3.0x 7.0 Ctr Ctr 0.67 MT20 3.0x 4.0 Ctr Ctr 0.37 Plate Duration Factor 1.25 J 4.0x 4.0 Ctr Ctr 0.58 TC Fb=1.15 Fc=1.10 Ft=1.10 MT20 B BC Fb=1.10 Fc=1.10 Ft=1.10 C MT20 4.0x 4.0 Ctr Ctr 0.58 L MT20 3.0x 4.0 Ctr Ctr 0.37 Total Load Reactions (Lbs) D MT20 3.0x 7.0 Ctr Ctr 0.67 2.0x 4.0 Ctr Ctr 0.24 Down Uplift Horiz-MT20 Jt 157 U 107 R E# MT20 5.0x12.0 0.1-1.0 0.48 1119 A MT20 2.0x 4.0 Ctr Ctr 0.24 D 1022 140 U 107 R F Brg Size Jt Required # = Plate Monitor used 1.5" 3.5" REVIEWED BY: A 1.5" Robbins Engineering, Inc. D 3.5" 6904 Parke East Blvd. Tampa, FL 33610 Plus 9 Wind Load Case(s) Plus 1 UBC LL Load Case(s) REFER TO ROBBINS ENG. GENERAL Plus 1 DL Load Case(s) NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS. Membr CSI P Lbs Ax1-CSI-Bnd -----Top Chords-----2798 C 0.16 0.19 NOTES: A -J 0.35 J -B 0.31 1984 C 0.11 0.20 Trusses Manufactured by: B -C 0.19 1902 C 0.11 0.08 Mayo Truss Co. Inc. C -L 0.30 1984 C 0.11 0.19 Analysis Conforms To: Joaquin Velez, FL Lic. #68182 FBC2004 0.35 2804 C 0.16 0.19 L -D Robbins Engineering ---Bottom Chords----OH Loading 6904 Parke East Blvd 0.09 Soffit psf 2.0 0.52 2569 T 0.43 A -I

Design checked for 10 psf non-

concurrent LL on BC.

NOTE: USER MODIFIED PLATES

Tampa, FL, 33610

FL Cert.#5555

0.12

0.12

0.10

0.43

0.43

I -E

E

- F

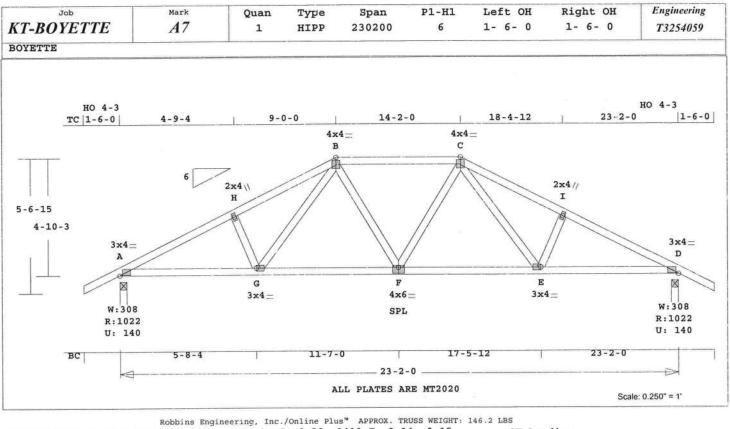
0.55

0.55

2576 T

2582 T

0.53 2575 T 0.43



A -G 0.29 1413 T 0.14 0.15 Online Plus -- Version 23.0.042 OH Loading G -F 0.30 1094 T 0.18 0.12 Soffit psf 2.0 RUN DATE: 13-JAN-09 0.18 0.12 F -E 0.30 1094 T Design checked for 10 psf nonconcurrent LL on BC. 1413 T 0.14 0.15 0.29 CSI -Size- ----Lumber----E -D --Webs-----Wind Loads - ANSI / ASCE 7-02 0.24 2x 4 SP-#2 TC 248 T H -G 0.03 Truss is designed as BC 0.30 2x 4 SP-#2 386 T WB 0.10 2x 4 SP-#2 G -B 0.10 Components and Claddings\* 0.02 141 T for Exterior zone location. B -F F -- C 0.02 141 T Wind Speed: Brace truss as follows: From To C -E 0.09 386 T Mean Roof Height: 15-0 O.C. E -I 0.03 248 T Exposure Category: 0- 0- 0 23- 2- 0 TC Cont. Cont. 0- 0- 0 23- 2- 0 Occupancy Factor : 1.00 BC TL Defl -0.11" in G -F L/999 Building Type: Enclosed LL Defl -0.05" in G -F L/999 psf-Ld Dead Live TC Dead Load: Shear // Grain in B -C 0.19 BC Dead Load: TC 10.0 20.0 Max comp. force 1581 Lbs BC 10.0 0.0 Plates for each ply each face. Max tens. force 1413 Lbs TC+BC 20.0 20.0 Plate - MT20 20 Ga, Gross Area Quality Control Factor 1.25 40.0 Spacing 24.0" Plate - MT2H 20 Ga, Gross Area Lumber Duration Factor 1.25 Jt Type Plt Size X Y Plate Duration Factor 1.25 3.0x 4.0 Ctr Ctr 0.71 A MT20 TC Fb=1.15 Fc=1.10 Ft=1.10 H MT20 2.0x 4.0 Ctr Ctr 0.28 BC Fb=1.10 Fc=1.10 Ft=1.10 B MT20 4.0x 4.0 Ctr Ctr 0.59 C MT20 4.0x 4.0 Ctr Ctr 0.59 Total Load Reactions (Lbs) I MT20 2.0x 4.0 Ctr Ctr 0.28 Jt Down Uplift Horiz-D MT20 3.0x 4.0 Ctr Ctr 0.71 1023 140 U 87 R A 3.0x 4.0 Ctr Ctr 0.37 MT20 D 1023 140 U 87 R G F MT20 4.0x 6.0 Ctr-1.0 0.51 E MT20 3.0x 4.0 Ctr Ctr 0.37 Required Jt Brg Size 1.5" A 3.5" REVIEWED BY: D 3.5" 1.5" Robbins Engineering, Inc. 6904 Parke East Blvd. Plus 9 Wind Load Case(s) Tampa, FL 33610 Plus 1 UBC LL Load Case(s) Plus 1 DL Load Case(s) REFER TO ROBBINS ENG. GENERAL Membr CSI P Lbs Axl-CSI-Bnd NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS. -----Top Chords-----A -H 0.23 1581 C 0.09 0.14

NOTES:

FBC2004

Trusses Manufactured by:

Mayo Truss Co. Inc.

Analysis Conforms To:

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

110 mph

5.0 psf

5.0 psf

B

0.23

0.14

0.01

H-B 0.24 1481 C 0.10 0.14

1132 C

I -D 0.23 1581 C 0.09 0.14

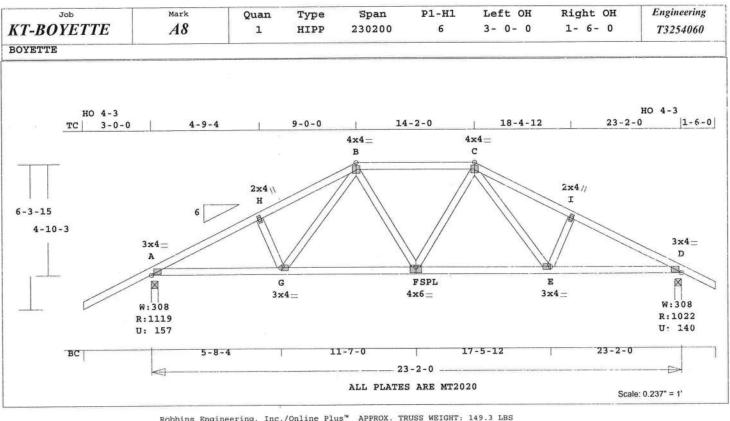
-----Bottom Chords-----

1481 C 0.10

B -C

0.24

C -I 0.24



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 149.3 LBS G -F 0.30 1092 T 0.18 0.12 Design checked for 10 psf non-Online Plus -- Version 23.0.042 F -E 0.30 1092 T 0.18 0.12 RUN DATE: 13-JAN-09 concurrent LL on BC. E -D 0.29 1412 T 0.14 0.15 Wind Loads - ANSI / ASCE 7-02 ------Webs-----Truss is designed as CSI -Size- ----Lumber----H -G 0.03 246 T Components and Claddings\* 0.24 2x 4 SP-#2 G-B 0.09 381 T for Exterior zone location. 0.30 2x 4 SP-#2 B -F 0.02 141 T Wind Speed: 0.09 2x 4 SP-#2 F -C 0.02 141 T Mean Roof Height: 15-0 386 T Exposure Category: B Brace truss as follows: C -E 0.09 E -I 0.03 248 T Occupancy Factor : 1.00 O.C. From 10 0- 0- 0 23- 2- 0 Building Type: Enclosed Cont. TL Defl -0.11" in G -F L/999 LL Defl -0.05" in G -F L/999 TC Dead Load: 0- 0- 0 23- 2- 0 Cont. BC Dead Load: . Shear // Grain in B -C 0.19 Max comp. force 1580 Lbs psf-Ld Dead Live Max tens. force 10.0 20.0 TC Quality Control Factor 1.25 10.0 0.0 Plates for each ply each face. Plate - MT20 20 Ga, Gross Area 20.0 20.0 TC+BC 40.0 Spacing 24.0" Plate - MT2H 20 Ga, Gross Area Total Jt Type Plt Size X Y JSI Lumber Duration Factor 1.25 Plate Duration Factor 1.25 A MT20 3.0x 4.0 Ctr Ctr 0.71 H MT20 2.0x 4.0 Ctr Ctr 0.28 TC Fb=1.15 Fc=1.10 Ft=1.10 MT20 4.0x 4.0 Ctr Ctr 0.59 BC Fb=1.10 Fc=1.10 Ft=1.10 В C MT20 4.0x 4.0 Ctr Ctr 0.59 2.0x 4.0 Ctr Ctr 0.28 Total Load Reactions (Lbs) I MT20 3.0x 4.0 Ctr Ctr 0.71 D MT20 Jt Down Uplift Horiz-G MT20 3.0x 4.0 Ctr Ctr 0.37 157 U 87 R 1119 F MT20 4.0x 6.0 Ctr-1.0 0.51 n 1022 140 U 87 R E MT20 3.0x 4.0 Ctr Ctr 0.37 Required Brg Size Jt 3.5" 1.5" REVIEWED BY: A 1.5" Robbins Engineering, Inc. 3.5" D 6904 Parke East Blvd. Tampa, FL 33610 Plus 9 Wind Load Case(s) Plus 1 UBC LL Load Case(s) REFER TO ROBBINS ENG. GENERAL Plus 1 DL Load Case(s) NOTES AND SYMBOLS SHEET FOR ADDITIONAL SPECIFICATIONS. Membr CSI P Lbs Ax1-CSI-Bnd -----Top Chords-----NOTES: A -H 0.23 1576 C 0.09 0.14 Trusses Manufactured by: H -B 0.24 1476 C 0.10 0.14 B -C 0.24 1131 C 0.01 0.23 Mayo Truss Co. Inc. Analysis Conforms To: 1480 C 0.10 0.14 C -I 0.24 I -D 0.23 1580 C 0.09 0.14 FBC2004

OH Loading

Soffit psf 2.0

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

110 mph

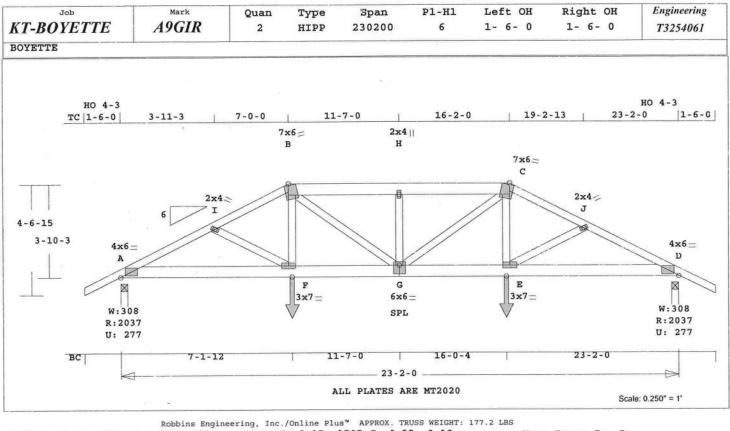
5.0 psf

5.0 psf.

1412 Lbs

-----Bottom Chords-----

A -G 0.29 1408 T 0.23 0.06



A -I 0.35 3797 C 0.25 0.10 Online Plus -- Version 23.0.042 Mayo Truss Co. Inc. 0.10 RUN DATE: 13-JAN-09 I -B 0.55 3678 C 0.45 Analysis Conforms To: 4058 C 0.05 0.34 FBC2004 В - Н 0.39 4058 C 0.05 0.34 Girder Step Down Hip CSI -Size- ----Lumber----H -C 0.39 3678 C 0.10 0.45 Framing King Jacks 0.55 2x 4 SP-#2 C -J 0.55 2x 6 SP-#2 Jack J -D 0.35 3797 C 0.25 0.10 Open Faced 0.39 --Bottom Chords----Setback 7- 0- 0 B -C A -F 0.61 3384 T 0.45 0.16 OH Loading 2x 6 SP-#2 BC 0.61 F-G 0.55 3302 T 0.44 0.11 Soffit psf 2.0 2x 4 SP-#2 WB 0.19 0.11 G -E 3302 T 0.44 Design checked for 10 psf non-0.55 3384 T Brace truss as follows: 0.45 0.16 E -D 0.61 concurrent LL on BC. O.C. From To -Webs-----Wind Loads - ANSI / ASCE 7-02 0- 0- 0 23- 2- 0 I -F 0.02 181 T Truss is designed as Cont. 719 0- 0- 0 23- 2- 0 F -B 0.13 Components and Claddings\* BC Cont. B-G 933 T for Exterior zone location. 0.19 psf-Ld Dead Live G -H 0.14 816 C Wind Speed: 933 T Mean Roof Height: 15-0 10.0 20.0 G -C 0.19 TC 0.0 E -C 0.13 719 T Exposure Category: BC 10.0 Occupancy Factor : 1.00 E -J 0.02 181 T 20.0 20.0 TC+BC Building Type: Enclosed 40.0 Spacing 24.0" Total TL Defl -0.25" in G -E L/999 LL Defl -0.12" in G -E L/999 Lumber Duration Factor 1.25 Plate Duration Factor 1.25 TC Dead Load: BC Dead Load: Shear // Grain in B -H 0.33 Max comp. force TC Fb=1.00 Fc=1.00 Ft=1.00 BC Fb=1.00 Fc=1.00 Ft=1.00 Max tens. force Plates for each ply each face. Quality Control Factor 1.25 Total Load Reactions (Lbs) Plate - MT20 20 Ga, Gross Area Plate - MT2H 20 Ga, Gross Area Down Uplift Horiz-Jt Jt Type Plt Size X Y JSI 65 R A 2037 278 U 4.0x 6.0 Ctr Ctr 0.85 A MT20 D 2037 278 U 66 R 2.0x 4.0 Ctr Ctr 0.22 I MT20 Required Brg Size B MT20 7.0x 6.0 1.5-4.1 0.73 Jt H MT20 2.0x 4.0 Ctr Ctr 0.36 3.5" 2.4" A 7.0x 6.0-1.5-4.1 0.73 2.4" C MT20 D 3.5" J MT20 2.0x 4.0 Ctr Ctr 0.22 MT20 4.0x 6.0 Ctr Ctr 0.85 D LC# 1 Girder Loading 3.0x 7.0 Ctr Ctr 0.29 F Dur Fctrs - Lbr 1.25 Plt 1.25 MT20 To G MT20 6.0x 6.0 Ctr-1.2 0.77 plf - Dead Live\* From 23.2' MT20 3.0x 7.0 Ctr Ctr 0.29 TC V 20 40 0.0' E 0.0' 23.2' 20 0 BC V 7.0' REVIEWED BY: 16.21 TC V 25 50 7.1' Robbins Engineering, Inc. BC V 25 0 16.0 BC V 280 280 7.1' CL-LB 6904 Parke East Blvd. BC V 280 280 16.0 CL-LB Tampa, FL 33610 REFER TO ROBBINS ENG. GENERAL

NOTES AND SYMBOLS SHEET FOR

ADDITIONAL SPECIFICATIONS.

Trusses Manufactured by:

NOTES:

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

110 mph

5.0 psf

5.0 psf

4058 Lbs

3384 Lbs

В

9 Wind Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

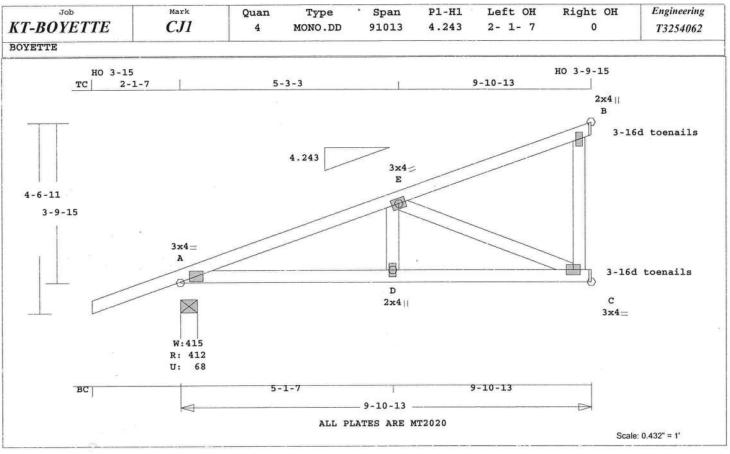
-----Top Chords-----

1 DL Load Case(s)

1 UBC LL Load Case(s)

Plus

Plus



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 60.5 LBS Online Plus -- Version 23.0.042 Membr CSI P Lbs Axl-CSI-Bnd OH Loading RUN DATE: 13-JAN-09 -----Top Chords-----Soffit psf 2.0 A -E 0.31 624 C 0.03 0.28 Design checked for 10 psf non-0.38 77 T 0.00 0.38 CSI -Size- ----Lumber-E -B concurrent LL on BC. -----Bottom Chords-----0.38 2x 4 SP-#2 Use properly rated hangers for TC 604 T 0.07 0.15 2x 4 SP-#2 A -D 0.22 loads framing into girder BC 0.27 2x 4 SP-#2 D -C 0.27 604 T 0.07 0.20 truss. WB 0.22 Wind Loads - ANSI / ASCE 7-02 Webs --D-E 0.03 233 T Truss is designed as Brace truss as follows: 652 C O.C. From To E -C 0.22 Components and Claddings\* 0- 0- 0 9-10-13 Cont. C -B 0.05 0 T WindLd for Exterior zone location. 0- 0- 0 9-10-13 Wind Speed: 110 mph BC Cont. TL Defl -0.05" in D -C L/999 LL Defl -0.02" in D -C L/999 Mean Roof Height: Exposure Category: psf-Ld Dead Live Occupancy Factor : 1.00 Shear // Grain in E -B 0.27 10.0 20.0 TC Building Type: Enclosed TC Dead Load: 5.0 BC 10.0 0.0 5.0 psf Plates for each ply each face. TC+BC 20.0 20.0 Plate - MT20 20 Ga, Gross Area Plate - MT2H 20 Ga, Gross Area Spacing 24.0" BC Dead Load: 5.0 psf Total 40.0 Lumber Duration Factor 1.25 Max comp. force 652 Lbs Plt Size X Y Plate Duration Factor 1.25 JSI Jt Type Max tens. force 604 Lbs 3.0x 4.0 Ctr Ctr 0.56 TC Fb=1.00 Fc=1.00 Ft=1.00 A MT20 Quality Control Factor 1.25 BC Fb=1.00 Fc=1.00 Ft=1.00 E MT20 3.0x 4.0 Ctr Ctr 0.29 B MT20 2.0x 4.0 Ctr Ctr 0.12 2.0x 4.0 Ctr Ctr 0.15 Total Load Reactions (Lbs) MT20 Down Uplift Horiz-MT20 3.0x 4.0 Ctr Ctr 0.36 Jt. 68 U A 413 91 R 7 U REVIEWED BY: C 347 Robbins Engineering, Inc. 127 R B 241 84 U 6904 Parke East Blvd. Tampa, FL 33610 Brg Size Required Jt 4.9" 1.5" A 1.5" 1.5" REFER TO ROBBINS ENG. GENERAL C 1.5" 1.5" NOTES AND SYMBOLS SHEET FOR B ADDITIONAL SPECIFICATIONS. 1 Girder Loading LC# For proper installation of Dur Fctrs - Lbr 1.25 Plt 1.25 toe-nails, refer to the 2001 plf - Dead Live\* From To 9.91 National Design Specification TC V 20 40 0.0' BC V 20 0 0.0' 9.91 (NDS) for Wood Construction 0.0 TC V -20 -40 22 45 9.91 NOTES: Joaquin Velez, FL Lic. #68182 Trusses Manufactured by: 0 0.0' BC V -20 Robbins Engineering Mayo Truss Co. Inc. 22 0 9.91

Analysis Conforms To:

Loading TC and BC

Setback 7- 0- 0

King Jack

FBC2004

Girder

Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert #5555

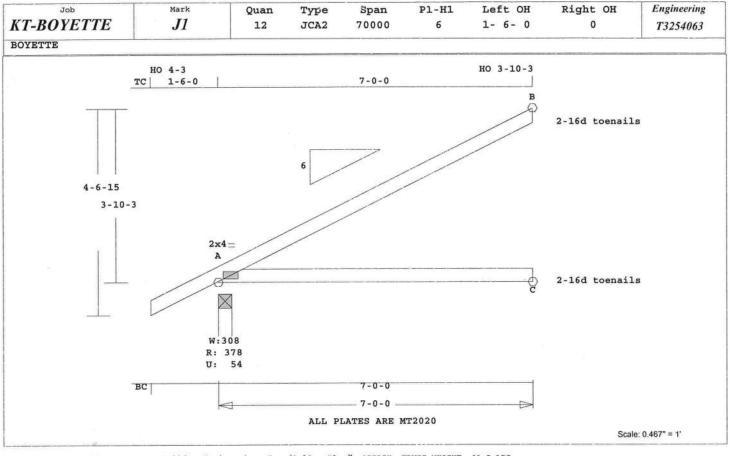
8 Wind Load Case(s)

1 DL Load Case(s)

1 UBC LL Load Case(s)

Plus

Plus



Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 31.5 LBS C T 0.00 0.43 Online Plus -- Version 23.0.042 A -C 0.43 RUN DATE: 13-JAN-09 TL Defl -0.18" in A -C L/422 CSI -Size- ----Lumber----LL Defl -0.07" in A -C L/999 Shear // Grain in A -B 0.55 2x 4 SP-#2 0.43 2x 4 SP-#2 Plates for each ply each face. Plate - MT20 20 Ga, Gross Area Brace truss as follows: From Plate - MT2H 20 Ga, Gross Area To O.C. 0- 0- 0 7- 0- 0 Jt Type Plt Size X Y JSI TC Cont. 0- 0- 0 7- 0- 0 A MT20 2.0x 4.0 Ctr Ctr 0.65 BC Cont. REVIEWED BY: psf-Ld Dead Live Robbins Engineering, Inc. TC 10.0 20.0 6904 Parke East Blvd. 0.0 10.0 BC 20.0 20.0 Tampa, FL 33610 TC+BC Spacing 24.0" 40.0 Total REFER TO ROBBINS ENG. GENERAL Lumber Duration Factor 1.25 NOTES AND SYMBOLS SHEET FOR Plate Duration Factor 1.25 TC Fb=1.15 Fc=1.10 Ft=1.10 ADDITIONAL SPECIFICATIONS. BC Fb=1.10 Fc=1.10 Ft=1.10 For proper installation of toe-nails, refer to the 2001 Total Load Reactions (Lbs) Jt Down Uplift Horiz-National Design Specification 379 55 U 282 R (NDS) for Wood Construction A

NOTES:
Trusses Manufactured by:
Mayo Truss Co. Inc.
Analysis Conforms To:
FBC2004
OH Loading
Soffit psf 2.0
Design checked for 10 psf nonconcurrent LL on BC.
Wind Loads - ANSI / ASCE 7-02
Truss is designed as
Components and Claddings\*
for Exterior zone location.
Wind Speed: 110 mph

Mean Roof Height: 15-0

Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 160 Lbs
Max tens. force 46 Lbs
Quality Control Factor 1.25

B

Exposure Category:

Occupancy Factor : 1.00

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert #5555

C

В

Jt

A

17

В

132

188

Brg Size

3.5"

3.5"

1.5"

Plus 8 Wind Load Case(s)

Plus 1 DL Load Case(s)

1 UBC LL Load Case(s)

Membr CSI P Lbs Axl-CSI-Bnd

-----Top Chords-----

A -B 0.55 160 C 0.00 0.55

-----Bottom Chords-----

82 U

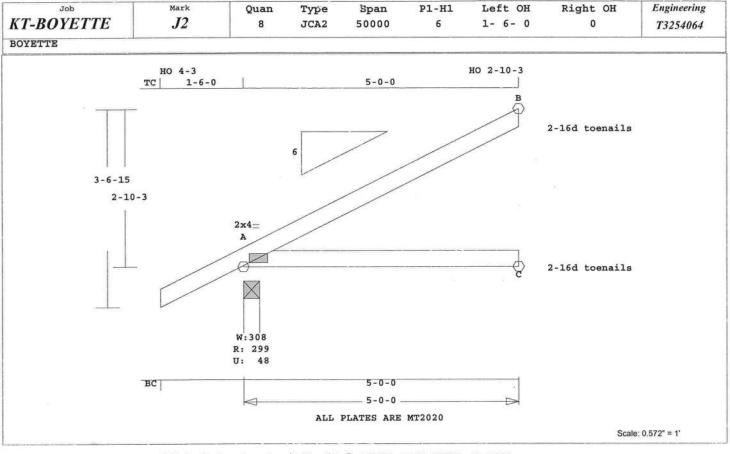
72 R

Required

1.5"

1.5"

1.5"



Robbins Engineering, Inc./Cnline Plus™ APPROX. TRUSS WEIGHT: 23.4 LBS A -C 0.26 0 T 0.00 0.26 Online Plus -- Version 23.0.042 RUN DATE: 13-JAN-09 TL Defl -0.04" in A -C L/999 CSI -Size- ---- Lumber----LL Defl -0.02" in A -C L/999 Shear // Grain in A -B 0.33 2x 4 SP-#2 TC 0.26 2x 4 SP-#2 Plates for each ply each face. Plate - MT20 20 Ga, Gross Area Brace truss as follows: Plate - MT2H 20 Ga, Gross Area O.C. From To TC Cont. 0- 0- 0 5- 0- 0 Jt Type Plt Size X Y JSI 0- 0- 0 5- 0- 0 A MT20 2.0x 4.0 Ctr Ctr 0.65 BC Cont. REVIEWED BY: psf-Ld Dead Live Robbins Engineering, Inc. TC 10.0 20.0 6904 Parke East Blvd. 10.0 0.0 BC TC+BC 20.0 20.0 Tampa, FL 33610 Spacing 24.0" 40.0 Total REFER TO ROBBINS ENG. GENERAL Lumber Duration Factor 1.25 NOTES AND SYMBOLS SHEET FOR Plate Duration Factor 1.25 TC Fb=1.15 Fc=1.10 Ft=1.10 ADDITIONAL SPECIFICATIONS. BC Fb=1.10 Fc=1.10 Ft=1.10 For proper installation of toe-nails, refer to the 2001 Total Load Reactions (Lbs) Jt Down Uplift Horiz-National Design Specification 300 49 U 233 R (NDS) for Wood Construction A 94 C 58 U NOTES: В 133 51 R

Trusses Manufactured by: Mayo Truss Co. Inc. Analysis Conforms To: FBC2004 OH Loading Soffit psf 2.0 Design checked for 10 psf nonconcurrent LL on BC. Wind Loads - ANSI / ASCE 7-02 Truss is designed as Components and Claddings\* for Exterior zone location.

Mean Roof Height: 15-0

Wind Speed:

110 mph

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610

Exposure Category:

TC Dead Load:

BC Dead Load:

Max comp. force

Max tens. force

Occupancy Factor : 1.00

Building Type: Enclosed

Quality Control Factor 1.25

B

5.0 psf

5.0 psf

130 Lbs

33 Lbs

Brg Size

3.5"

3.5"

1.5"

Plus 8 Wind Load Case(s)

Plus 1 DL Load Case(s)

1 UBC LL Load Case(s)

Membr CSI P Lbs Ax1-CSI-Bnd

-----Top Chords-----

A -B 0.33 130 C 0.00 0.33

-----Bottom Chords-----

Jt

A

C

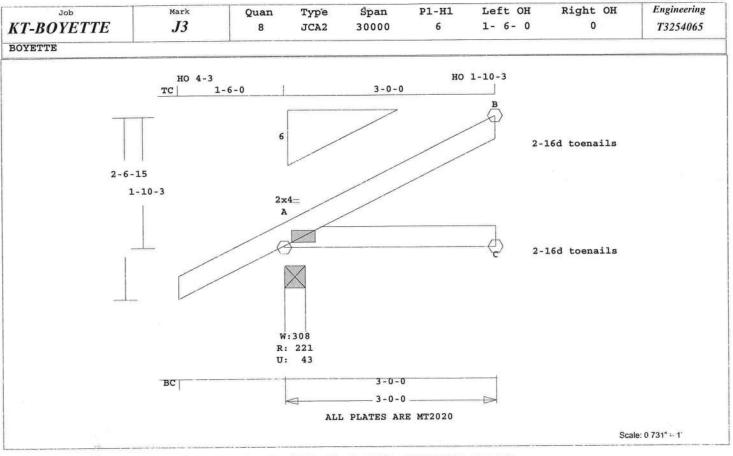
Plus

Required

1.5"

1.5"

1.5"



for Exterior zone location.

Mean Roof Height: 15-0

Wind Speed:

110 mph

Robbins Engineering, Inc./Online Plus™ APPROX. TRUSS WEIGHT: 15.4 LBS 0 T 0.00 0.09 A -C 0.09 Online Plus -- Version 23.0.042 RUN DATE: 13-JAN-09 0.00" in A -C L/999 TL Defl CSI -Size- ---- Lumber----LL Defl 0.00" in A -C L/999 Shear // Grain in A -B 0.11 2x 4 SP-#2 BC 0.09 2x 4 SP-#2 Plates for each ply each face. Plate - MT20 20 Ga, Gross Area Brace truss as follows: Plate - MT2H 20 Ga, Gross Area To O.C. From 0-0-0 3-0-0 Jt Type Plt Size X Y JSI TC Cont. A MT20 2.0x 4.0 Ctr Ctr 0.65 0- 0- 0 3- 0- 0 BC Cont. psf-Ld Dead Live REVIEWED BY: Robbins Engineering, Inc. TC 10.0 20.0 6904 Parke East Blvd. 10.0 BC 0.0 Tampa, FL 33610 20.0 20.0 TC+BC Spacing 24.0" 40.0 REFER TO ROBBINS ENG. GENERAL Lumber Duration Factor 1.25 NOTES AND SYMBOLS SHEET FOR Plate Duration Factor 1.25 TC Fb=1.15 Fc=1.10 Ft=1.10 ADDITIONAL SPECIFICATIONS. BC Fb=1.10 Fc=1.10 Ft=1.10 For proper installation of toe-nails, refer to the 2001 Total Load Reactions (Lbs) National Design Specification Jt Down Uplift Horiz-(NDS) for Wood Construction A 222 44 U 166 R C 56 NOTES: 35 U 30 R 78 B Trusses Manufactured by: Mayo Truss Co. Inc. Brg Size Required Jt 1.5" Analysis Conforms To: 3.5" A 1.5" FBC2004 C 3.5" OH Loading 1.5" 1.5" B Soffit psf 2.0 Design checked for 10 psf non-Plus 8 Wind Load Case(s) Plus 1 UBC LL Load Case(s) concurrent LL on BC. Wind Loads - ANSI / ASCE 7-02 Plus 1 DL Load Case(s) Truss is designed as Components and Claddings\* Membr CSI P Lbs Axl-CSI-Bnd

Exposure Category: B
Occupancy Factor: 1.00
Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 79 Lbs
Max tens. force 20 Lbs
Quality Control Factor 1.25

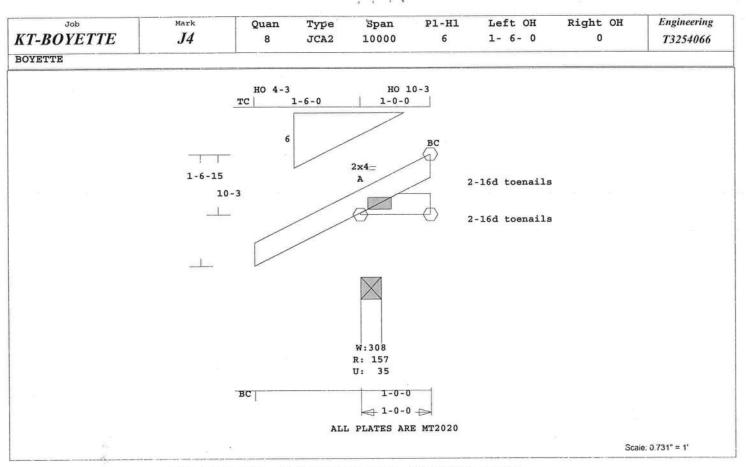
Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

79 C 0.00 0.11

------Top Chords-----

-----Bottom Chords-----

A -B 0.11



Mean Roof Height: 15-0

Robbins Engineering, Inc./Online Plus\* APPROX. TRUSS WEIGHT: 7.4 LBS Online Plus -- Version 23.0.042 A -C 0.00 9 T RUN DATE: 13-JAN-09 TL Defl 0.00" in A -C L/999 0.00" in A -C L/999 LL Defl CSI -Size- ---- Lumber----0.00 2x 4 SP-#2 Shear // Grain in A -B 0.03 TC 0.00 2x 4 SP-#2 Plates for each ply each face. Plate - MT20 20 Ga, Gross Area Brace truss as follows: Plate - MT2H 20 Ga, Gross Area From O.C. To Jt Type Plt Size X Y JSI 0- 0- 0 1- 0- 0 TC Cont. 0- 0- 0 1- 0- 0 A MT20 2.0x 4.0 Ctr Ctr 0.65 BC Cont. psf-Ld Dead Live REVIEWED BY: 10.0 20.0 Robbins Engineering, Inc. TC 6904 Parke East Blvd. BC 10.0 0.0 Tampa, FL 33610 TC+BC 20.0 20.0 Spacing 24.0" 40.0 Total REFER TO ROBBINS ENG. GENERAL Lumber Duration Factor 1.25 NOTES AND SYMBOLS SHEET FOR Plate Duration Factor 1.25 ADDITIONAL SPECIFICATIONS. TC Fb=1.15 Fc=1.10 Ft=1.10 BC Fb=1.10 Fc=1.10 Ft=1.10 For proper installation of toe-nails, refer to the 2001 Total Load Reactions (Lbs) Jt Down Uplift Horiz-National Design Specification (NDS) for Wood Construction 158 36 U 52 R A 15 9 U B C 13 10 R NOTES: Trusses Manufactured by: Required Brg Size Mayo Truss Co. Inc. Jt 1.5" Analysis Conforms To: A 3.5" 1.5" FBC2004 1.5" B OH Loading 1.5" 1.5" Soffit psf 2.0 Plus 8 Wind Load Case(s) Design checked for 10 psf nonconcurrent LL on BC. Plus 1 UBC LL Load Case(s) Wind Loads - ANSI / ASCE 7-02 Plus 1 DL Load Case(s) Truss is designed as Membr CSI P Lbs Ax1-CSI-Bnd Components and Claddings\* for Exterior zone location. -----Top Chords-----Wind Speed: 110 mph A -B 0.00 17 C

Building Type: Enclosed
TC Dead Load: 5.0 psf
BC Dead Load: 5.0 psf
Max comp. force 17 Lbs
Max tens. force 9 Lbs
Quality Control Factor 1.25

Exposure Category: B
Occupancy Factor : 1.00

Joaquin Velez, FL Lic. #68182 Robbins Engineering 6904 Parke East Blvd Tampa, FL, 33610 FL Cert.#5555

-----Bottom Chords-----

# ROBBINS ENG. GENERAL NOTES & SYMBOLS

#### PLATE LOCATION



3x5 II

Trussed Rafters.

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)

PLATE SIZE AND ORIENTATION

The first dimension is

the width measured

perpendicular to slots.

the length measured

parallel to slots. Plate

orientation, shown next

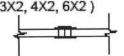
to plate size, indicates

direction of slots in

connector plates.

The second dimension is

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



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

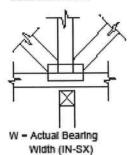
# DIMENSIONS

All dimensions are shown in FT-IN-SX (i.e. 6' 8 1/2' or 6-08-08). Dimensions less than one foot are shown in IN-SX only (i.e. 708).

#### 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.





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 erecting this truss. If necessary, shim bearings to assure solid contact with truss.

ROBBINS 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 Robbins Eng. Co. bears no responsibility for the erection of trusses, field bracing or permanent truss bracing. Refer to BCSI 1-03 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.

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 FABRICATOR.



6904 Parke East Blvd. Tampa, FI 33610-4115 Tel: 813-972-1135 Fax: 813-971-6117

www.robbinseng.com



# OCCUPANCY

# **COLUMBIA COUNTY, FLORIDA**

This Certificate of Occupancy is issued to the below named permit holder for the building ment of Building and Zoning

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 28-3S-17-05757-000

Building permit No. 000027574

Fire: 0.00

Waste: 0.00

Total: 0.00

Plant Control of the Control of the

Location: 236 NE ALPHA TERRACE

Owner of Building BRYAN & TERESA BOYETTE

Permit Holder MICHAEL HERLONG

Use Classification REMODEL SFD

Date: 01/15/2010

**Building Inspector** 

POST IN A CONSPICUOUS PLACE (Business Places Only)

# **Manual J Summer Calculations**

Residential Load - Component Details (continued)

Bryan and Teresa Boyette

Lake City, FI

Project Title: Boyette Residence

Code Only **Professional Version** 

Climate: North

12/22/2008

### WHOLE HOUSE TOTALS

		1	
	Sensible Envelope Load All Zones	10810	Btu
	Sensible Duct Load	0	Btu
	Total Sensible Zone Loads	10810	Btı
	Sensible ventilation	0	Btu
	Blower	0	Btu
Whole House	Total sensible gain	10810	Btı
Totals for Cooling	Latent infiltration gain (for 54 gr. humidity difference)	823	Btu
	Latent ventilation gain	0	Btu
	Latent duct gain	0	Btu
	Latent occupant gain (2 people @ 200 Btuh per person)	400	Btu
	Latent other gain	0	Btu
	Latent total gain	1223	Btu
	TOTAL GAIN	12033	Btı

EQUIPMENT		
1. Central Unit	#	32000 Btuh

\*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (U - Window U-Factor or 'DEF' for default)

(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R)) (ExSh - Exterior shading device: none(N) or numerical value)

(BS - Insect screen: none(N), Full(F) or Half(H))

(Ornt - compass orientation)



Version 8 For Florida residences only



# **Residential Window Diversity**

# MidSummer

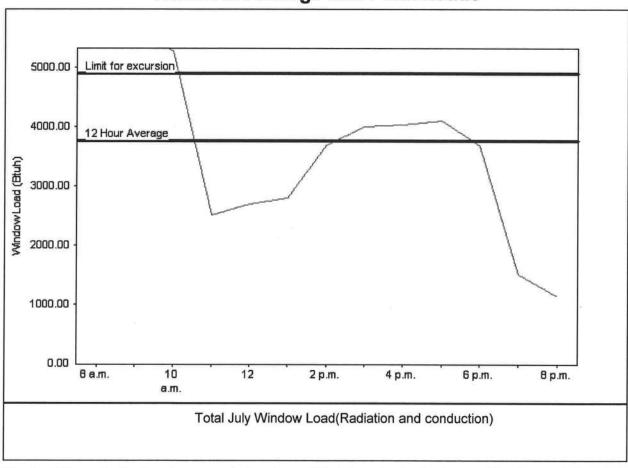
Bryan and Teresa Boyette Lake City, FI Project Title: Boyette Residence

Code Only Professional Version Climate: North

12/22/2008

Weather data for: Gainesville - Defaults						
Summer design temperature	92	F	Average window load for July	3760 Btuh		
Summer setpoint	75	F	Peak window load for July	5536 Btuh		
Summer temperature difference	17	F	Excusion limit(130% of Ave.)	4888 Btuh		
Latitude	29	North	Window excursion (July)	648 Btuh		

# **WINDOW Average and Peak Loads**



Warning: This application has glass areas that produce relatively large heat gains for part of the day. Variable air volume devices may be required to overcome spikes in solar gain for one or more rooms. A zoned system may be required or some rooms may require zone control.

EnergyGauge® System Sizing for Florida residences only PREPARED BY: PREPARED BY: 12-2-08

ACCA MRNUAL 3

EnergyGauge® FLRCPB v4.5

# **Summary Energy Code Results**

# Residential Whole Building Performance Method A

Bryan and Teresa Boyette

Lake City, FI

Project Title: Boyette Residence Code Only Professional Version Climate: North

12/22/2008

Building Loads						
В	ase	As-Built				
Summer:	13004 points	Summer:	10865 points			
Winter:	10773 points	Winter:	9473 points			
Hot Water:	9697 points	Hot Water:	9697 points			
Total:	33474 points	Total:	30035 points			

Energy Use					
Base		As-Built			
Cooling:	4226 points	Cooling:	2661 points		
Heating:	5968 points	Heating:	4333 points		
Hot Water:	10540 points	Hot Water:	10207 points		
Total:	20735 points	Total:	17201 points		

PASS e-Ratio: 0.83

EnergyGauge®(Version: FLRCPB v4.5)

# FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Address:	Boyette Residence		Builder:	K. Townsend			
City, State:	Lake City, El		Permitting Office:				
Owner:	Lake City, FI		Permit Number:				
Climate Zone:	Bryan and Teresa Bo North	yette	Jurisdiction Number:				
Climate Zone.	NOTH						
New construction		Addition	12. Cooling systems				
<ol><li>Single family or r</li></ol>		Single family	a. Central Unit	Cap: 32.0 kBtu/hr			
3. Number of units,	2000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1	G==2 × 2.000 × 2.000	SEER: 13.00			
<ol> <li>Number of Bedro</li> </ol>		4	b. N/A	_			
5. Is this a worst cas		Yes _		_			
6. Conditioned floor		1058 ft <sup>2</sup>	c. N/A	_			
	rea: (Label reqd. by 13-104.4.5			_			
a. U-factor:	Descrip	tion Area	13. Heating systems				
	ible DEFAULT) 7a. (Dble Def	fault) 78.0 ft <sup>2</sup>	a. Electric Heat Pump	Cap: 32.0 kBtu/hr			
b. SHGC:				HSPF: 7.70			
(or Clear or Tint	DEFAULT) 7b. (C	Clear) 78.0 ft <sup>2</sup>	b. N/A	_			
8. Floor types				-			
a. Slab-On-Grade E	dge Insulation R=	0.0, 138.0(p) ft _	c. N/A	_			
b. N/A		<del>-</del>		_			
c. N/A		-	14. Hot water systems				
9. Wall types	324		a. Electric Resistance	Cap: 50.0 gallons			
a. Frame, Wood, Ex	terior R	=13.0, 914.6 ft <sup>2</sup>		EF: 0.95			
b. N/A		_	b. N/A	<del>_</del>			
c. N/A		_		_			
d. N/A		_	c. Conservation credits				
e. N/A		ş—,	(HR-Heat recovery, Solar				
10. Ceiling types	D.	-	DHP-Dedicated heat pump)	-			
<ul><li>a. Under Attic</li><li>b. N/A</li></ul>	R=.	30.0, 1056.0 ft <sup>2</sup>	15. HVAC credits	PT, CF, _			
c. N/A		· -	(CF-Ceiling fan, CV-Cross ventilation	i <del>,</del>			
11. Ducts		8 <del></del> 8	HF-Whole house fan,				
a. Sup: Con. Ret: Co	on AH: Interior C	. R=6.0, 46.0 ft	PT-Programmable Thermostat,				
b. N/A	on. Arr. Interior Sup	. K-0.0, 40.0 II	MZ-C-Multizone cooling,				
0. IVA		_	MZ-H-Multizone heating)				
		1 <del></del> 1					
Glass/Floor Area: 0.07  Total as-built points: 17201 Total base points: 20735  PASS							

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

PREPARED BY: Ochlied Moles

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

OWNER/AGENT: \_\_\_\_\_\_
DATE:

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BU	IL	DI	N	3	0	FI	FI	CI	AI	L:	
	_	-		_	_			٠.	,,,,		

DATE: \_\_\_\_

# **SUMMER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

BASE		AS-BUILT	
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area		overhang nt Len Hgt Area X SPM X SOF=	= Points
.18 1058.0 18.59 3540.0	1.Double, Clear SW	V 1.5 6.0 12.0 40.16 0.89	426.0
	2.Double, Clear NE	E 1.5 6.0 36.0 29.56 0.92	979.0
	3.Double, Clear NW	V 1.5 6.0 18.0 25.97 0.93	432.0
	4.Double, Clear SE	E 1.5 6.0 12.0 42.75 0.88	453.0
	As-Built Total:	78.0	2290.0
WALL TYPES Area X BSPM = Points	Туре	R-Value Area X SPM =	Points
Adjacent 0.0 0.00 0.0 Exterior 914.6 1.70 1554.8	1. Frame, Wood, Exterior	13.0 914.6 1.50	1371.9
Base Total: 914.6 1554.8	As-Built Total:	914.6	1371.9
DOOR TYPES Area X BSPM = Points	Туре	Area X SPM =	Points
Adjacent 0.0 0.00 0.0	1.Exterior Insulated	19.8 4.10	81.2
Exterior 63.4 6.10 386.5	2.Exterior Insulated	17.2 4.10	70.4
1-2-0-0	3.Exterior Insulated	26.4 4.10	108.2
Base Total: 63.4 386.5	As-Built Total:	63.4	259.8
CEILING TYPES Area X BSPM = Points	Туре	R-Value Area X SPM X SCM =	Points
Under Attic 1056.0 1.73 1826.9	1. Under Attic	30.0 1056.0 1.73 X 1.00	1826.9
Base Total: 1056.0 1826.9	As-Built Total:	1056.0	1826.9
FLOOR TYPES Area X BSPM = Points	Туре	R-Value Area X SPM =	Points
Slab 138.0(p) -37.0 -5106.0	Slab-On-Grade Edge Insulation	0.0 138.0(p -41.20	-5685.6
Raised 0.0 0.00 0.0	5	-71.20	-3033.0
Base Total: -5106.0	As-Built Total:	138.0	-5685.6
INFILTRATION Area X BSPM = Points		Area X SPM =	Points
1058.0 10.21 10802.2		1058.0 10.21	10802.2

# **SUMMER CALCULATIONS**

# Residential Whole Building Performance Method A - Details

BASE			AS-BUILT
Summer Ba	se Points: 1	3004.4	Summer As-Built Points: 10865.1
Total Summer Points	X System = Multiplier	Cooling Points	Total X Cap X Duct X System X Credit = Cooling Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)
13004.4	0.3250	4226.4	(sys 1: Central Unit 32000btuh ,SEER/EFF(13.0) Ducts:Con(S),Con(R),Int(AH),R6.0(INS)         10865       1.00 (1.00 x 1.147 x 0.91) 0.260 0.902 2661.1         10865.1       1.00 1.044 0.260 0.902 2661.1

# WINTER CALCULATIONS

# Residential Whole Building Performance Method A - Details

BASE	AS-BUILT
GLASS TYPES .18 X Conditioned X BWPM = Points Floor Area	Overhang Type/SC Ornt Len Hgt Area X WPM X WOF = Point
.18 1058.0 20.17 3841.0	1.Double, Clear       SW       1.5       6.0       12.0       16.74       1.06       212.0         2.Double, Clear       NE       1.5       6.0       36.0       23.57       1.01       853.0         3.Double, Clear       NW       1.5       6.0       18.0       24.30       1.00       438.0         4.Double, Clear       SE       1.5       6.0       12.0       14.71       1.10       193.0
	As-Built Total: 78.0 1696.0
WALL TYPES Area X BWPM = Points	Type R-Value Area X WPM = Points
Adjacent 0.0 0.00 0.0 Exterior 914.6 3.70 3384.0	10.0 014.0 5.40 5109.0
Base Total: 914.6 3384.0	As-Built Total: 914.6 3109.6
DOOR TYPES Area X BWPM = Points	Type Area X WPM = Points
Adjacent       0.0       0.00       0.0         Exterior       63.4       12.30       779.3         Base Total:       63.4       779.3	2.Exterior Insulated 17.2 8.40 144.1 3.Exterior Insulated 26.4 8.40 221.8
CEILING TYPES Area X BWPM = Points	Type R-Value Area X WPM X WCM = Points
Under Attic 1056.0 2.05 2164.8	1. Under Attic 30.0 1056.0 2.05 X 1.00 2164.8
Base Total: 1056.0 2164.8	As-Built Total: 1056.0 2164.8
FLOOR TYPES Area X BWPM = Points	Type R-Value Area X WPM = Points
Slab         138.0(p)         8.9         1228.2           Raised         0.0         0.00         0.0	1. Slab-On-Grade Edge Insulation 0.0 138.0(p 18.80 2594.4
Base Total: 1228.2	As-Built Total: 138.0 2594.4
INFILTRATION Area X BWPM = Points	Area X WPM = Points
1058.0 -0.59 -624.2	1058.0 -0.59 -624.2

# WINTER CALCULATIONS

# Residential Whole Building Performance Method A - Details

BASE			AS-BUILT	
Winter Base	Points:	10773.1	Winter As-Built Points:	9472.8
Total Winter X Points	System = Multiplier	Heating Points	Total X Cap X Duct X System X Credit = Component Ratio Multiplier Multiplier Multiplier (System - Points) (DM x DSM x AHU)	Heating Points
10773.1	0.5540	5968.3	(sys 1: Electric Heat Pump 32000 btuh ,EFF(7.7) Ducts:Con(S),Con(R),Int(AH) 9472.8	,R6.0 4332.8 <b>4332.8</b>

# **WATER HEATING & CODE COMPLIANCE STATUS**

Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI, PERMIT #:

BASE							A	S-BUII	_T				
WATER HEA Number of Bedrooms	TING	Multiplier	=	Total	Tank Volume	EF	Number of Bedrooms	X	Tank X Ratio	Multiplier		dit iplier	
4		2635.00		10540.0	50.0	0.95	4		1.00	2551.79	1.0	00	10207.2
					As-Built To	otal:							10207.2

				CODE	C	OMPLI	ANCÉ	S1	TATUS	3			
	BASE								AS	-BUILT			
Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points	Cooling Points	+	Heating Points	+	Hot Water Points	=	Total Points
4226		5968		10540		20735	2661		4333	£3	10207		17201

**PASS** 



# **Code Compliance Checklist**

# Residential Whole Building Performance Method A - Details

ADDRESS: , Lake City, FI,	PERMIT#:

#### 6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum:.3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members.  EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	Between walls & ceilings; penetrations of ceiling plane of top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	606.1.ABC.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC rated with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

# 6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked cir breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

# ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

# ESTIMATED ENERGY PERFORMANCE SCORE\* = 87.4

The higher the score, the more efficient the home.

Bryan and Teresa Boyette, , Lake City, FI,

1. 2.	New construction or existing Single family or multi-family	C:	Addition	_		Cooling systems		
3.	Number of units, if multi-family	Sin	gle family	-	a.	Central Unit	Cap: 32.0 kBtu/hr	_
4.	Number of Bedrooms		1		1.	N/A	SEER: 13.00	_
5.	Is this a worst case?		Yes	_	D.	N/A		_
6.	Conditioned floor area (ft²)		1058 ft <sup>2</sup>			N/A		_
7.	Glass type 1 and area: (Label reqd.	by 13-104 4 5 if no		_	C.	N/A		_
	U-factor:	Description			12	Hooting austana		_
	(or Single or Double DEFAULT)	7a (Dhia Dafaula)	Area			Heating systems Electric Heat Pump	G 22.01B. A	
b.	SHGC: (or Clear or Tint DEFAULT)						Cap: 32.0 kBtu/hr HSPF: 7.70	_
8	Floor types	70. (Clear)	78.0 ft <sup>2</sup>	-	D.	N/A		-
a.	Slab-On-Grade Edge Insulation N/A	R=0.0, 1	38.0(p) ft	_	c.	N/A		_
c.	N/A			-	14.	Hot water systems		_
9.	Wall types					Electric Resistance	Cap: 50.0 gallons	
a.	Frame, Wood, Exterior	R=13.0	, 914.6 ft²			Dictate Resistance	EF: 0.95	_
	N/A				b.	N/A	Er. 0.93	_
c.	N/A							_
d.	N/A				c.	Conservation credits		_
e.	N/A					(HR-Heat recovery, Solar		
10.	Ceiling types			(T-1)		DHP-Dedicated heat pump)		
a.	Under Attic	R=30.0,	1056.0 ft <sup>2</sup>		15.	HVAC credits	PT, CF,	
b.	N/A					(CF-Ceiling fan, CV-Cross ventilation.		_
c.	N/A					HF-Whole house fan,	6	
2.22	Ducts					PT-Programmable Thermostat,		
	Sup: Con. Ret: Con. AH: Interior	Sup. R=6	.0, 46.0 ft			MZ-C-Multizone cooling,		
b.	N/A			-		MZ-H-Multizone heating)		
Cons	tify that this home has complie struction through the above ene	ergy saving featu	res which	will b	oe ins	talled (or exceeded)	OF THE STATE	λ
in th	is home before final inspection	. Otherwise, a ne	ew EPL I	Display	Car	d will be completed		A
base	d on installed Code compliant	features.					E man	16
Build	der Signature:			Date:	_		E P	
Addı	ress of New Home:			City/I	FL Zi	p:	GOD WE TRUST	
*NO	TE: The home's estimated ener	rgv performance	score is	only a	vaila	ble through the FL 4/RFS commut.	ar program	

\*NOTE: The home's estimated energy performance score is only available through the FLA/RES computer program. This is <u>not</u> a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStar designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321/638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850/487-1824.

# **BUILDING INPUT SUMMARY REPORT**

PROJECT	20	Title: Boyette Residence Family Type: Owner: Bryan and Teresa Boyette New/Existing: # of Units: 1 Bedrooms: Builder Name: K. Townsend Conditioned A Climate: North Total Stories: Permit Office: (blank) Worst Case: Jurisdiction #: (blank) Rotate Angle:	Area:	Single Address Type: Street Address Addition Lot #: N/A  4 Subdivision: N/A  1058 Platbook: N/A  1 Street: (blank)  Yes County: Columbia  225 City, St, Zip: Lake City, Fl,
FLOORS	1		DOORS	1         Insulated         Exterior         19.8 ft²         1           2         Insulated         Exterior         17.2 ft²         1           3         Insulated         Exterior         26.4 ft²         1
CEILINGS	1	Under Attic 30.0 1056.0 ft² 1056.0 ft² 1	COOLING	# System Type Efficiency Capacity 1 Central Unit SEER: 13.00 32.0 kBtu/hr
WALLS	# 1	Wall Type Location R-Val Area Units  Frame - Wood Exterior 13.0 914.6 ft² 1	HEATING	# System Type Efficiency Canacity
	# 1 2 3 4	Panes         Tint         Ornt         Area         OH Length         OH Hght         Units           Double         Clear         N         12.0 ft²         1.5 ft         6.0 ft         1           Double         Clear         S         12.0 ft²         1.5 ft         6.0 ft         3           Double         Clear         E         9.0 ft²         1.5 ft         6.0 ft         2           Double         Clear         W         12.0 ft²         1.5 ft         6.0 ft         1	DUCTS	Credit Multipliers: None
			WATER	1 Electric Resistance 0.95 50.0 None 0.00
WINDOWS			REFR.	# Use Default? Annual Operating Cost Electric Rate  1 Yes N/A N/A
MISC		Rater Name: CodeOnlyPro Class #: Rater Certification #: CodeOnlyPro Duct Leakage Type Area Under Fluorescent: 0.0 Visible Duct Disco Area Under Incandescent: 1058.0 Leak Free Duct System INOTE: Not all Rating info shown HRV/ERV System Incandescent: EnergyGauge® (Version of CodeOnlyPro Class #:  Duct Leakage Type Visible Duct Disco Leak Free Duct System Incandescent: 1058.0 Leak Free Duct System Incandescent Incandesce	nnect stem Prese	Proposed: No Stove Type: Electric ent?: No Avg Ceil Hgt:

EnergyGauge® (Version: FLRCPB v4.5)

# **Residential System Sizing Calculation**

Summary Project Title:

Bryan and Teresa Boyette

Lake City, FI

Project Title: Boyette Residence Code Only Professional Version

Climate: North

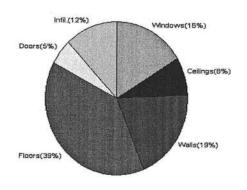
12/22/2008

				12122120	00
Location for weather data: Gaine	sville - Def	aults: Latitu	ude(29) Altitude(152 ft.) Temp Ran	ge(M)	
Humidity data: Interior RH (50%	) Outdoor	wet bulb (7	7F) Humidity difference(54gr.)	. ,	
Winter design temperature	33	10124	Summer design temperature	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	15429	Btuh	Total cooling load calculation	12033	Btuh
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	207.4	32000	Sensible (SHR = 0.75)		24000
Heat Pump + Auxiliary(0.0kW)	207.4	32000	Latent	654.0	8000
			Total (Electric Heat Pump)		32000

# WINTER CALCULATIONS

Winter Heating Load (for 1058 sqft)

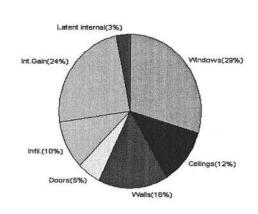
Load component			Load	
Window total	78	sqft	2511	Btuh
Wall total	915	sqft	3004	Btuh
Door total	63	sqft	821	Btuh
Ceiling total	1056	sqft	1244	Btuh
Floor total	138	sqft	6025	Btuh
Infiltration	45	cfm	1825	Btuh
Duct loss		1	0	Btuh
Subtotal			15429	Btuh
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			15429	Btuh

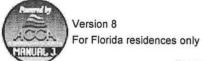


# **SUMMER CALCULATIONS**

Summer Cooling Load (for 1058 sqft)

Load component			Load	
Window total	78	sqft	3549	Btuh
Wall total	915	sqft	1908	Btuh
Door total	63	sqft	621	Btuh
Ceiling total	1056	sqft	1412	Btuh
Floor total			0	Btuh
Infiltration	23	cfm	419	Btuh
Internal gain			2900	Btuh
Duct gain			0	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Total sensible gain			10810	Btuh
Latent gain(ducts)			0	Btuh
Latent gain(infiltration)			823	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			400	Btuh
Total latent gain			1223	Btuh
TOTAL HEAT GAIN			12033	Btuh





EnergyGauge® Sy	Stem Sizing Motes
PREPARED BY: _	Delilius 1110tes
DATE:	12-22-08

# **System Sizing Calculations - Winter**

Residential Load - Whole House Component Details

Bryan and Teresa Boyette

Project Title: Boyette Residence

Code Only Professional Version Climate: North

Lake City, FI

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F This calculation is for Worst Case. The house has been rotated 315 degrees.

12/22/2008

# Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	NW	12.0	32.2	386 Btuh
2	2, Clear, Metal, 0.87	SE	36.0	32.2	1159 Btuh
3	2, Clear, Metal, 0.87	NE	18.0	32.2	579 Btuh
4	2, Clear, Metal, 0.87	SW	12.0	32.2	386 Btuh
	Window Total		78(sqft)		2511 Btuh
Walls	Туре	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	915	3.3	3004 Btuh
	Wall Total		915	0.0	3004 Btuh
Doors	Туре		Area X	HTM=	Load
1	Insulated - Exterior		26	12.9	342 Btuh
2	Insulated - Exterior		17	12.9	222 Btuh
3	Insulated - Exterior		20	12.9	256 Btuh
	Door Total		63	1.000	821Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Shin	30.0	1056	1.2	1244 Btuh
	Ceiling Total		1056		1244Btuh
Floors	Туре	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	138.0 ft(p)	43.7	6025 Btuh
	Floor Total		138		6025 Btuh
			Envelope Su	btotal:	13604 Btuh
Infiltration	Туре		ume(cuft) walls(sqft)	CFM=	
	Natural	0.32	8448 915	45.1	1825 Btuh
Ductload			(DL	.M of 0.000)	0 Btuh
All Zones		15429 Btuh			

MILION	EHO	JSE TO	TALO
AAUOL	E HO	JOE IC	MALS

	Subtotal Sensible Ventilation Sensible Total Btuh Loss	15429 Btuh 0 Btuh 15429 Btuh
--	--------------------------------------------------------------	------------------------------------

# **Manual J Winter Calculations**

Residential Load - Component Details (continued)

Bryan and Teresa Boyette

Lake City, FI

Project Title: Boyette Residence

Code Only Professional Version Climate: North

12/22/2008

**EQUIPMENT** 

1. Electric Heat Pump

#

32000 Btuh

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint) (Frame types - metal, wood or insulated metal)

(U - Window U-Factor or 'DEF' for default) (HTM - ManualJ Heat Transfer Multiplier)

Key: Floor size (perimeter(p) for slab-on-grade or area for all other floor types )



Version 8 For Florida residences only

29091 FI 10 01	YYYY  2008 40 08-0003749 000 Change Basic  Station Incident Number & Exposure & No Activity
Check this bex to Indi	insta that the addices for this incident as provided on the Wildland Fice Census Tract
X Street address Intersection In front of Rear of Adjacent to  Z 36 NE Number/Milepust Pretix Lal	Alpha   TER   Street Type Suffix     Ke City   EL   32025
	El Date & Times  Check boxes if Month Day Year Br Min Sec couls are the Alarms torest option  Annival required, unless canceled or did not errive  Annival required, unless canceled or did not errive  Controlled
21 Extinguishment by fire  Primary Action Taken (1)  12 Salvage & overhaul  Additional Action Taken (2)  Additional Action Taken (3)	Apparatus Personnel Property \$ , 023 , 000   Suppression 0.003 0008   Contents \$ , 003 , 000   Contents \$   Conte
[Alsonosialar	Hazardous Faterials Release  Juries  None
J Property Use* Structures  131 Church, place of worship  161 Restaurant or cafeteria  162 Bar/Tavern or nightclub  213 Elementary school or kindergarts  215 High achool or junior high  241 College, adult education  311 Care facility for the aged  331 Hospital  Outside  124 Playground or park  655 Crops or orchard  669 Forest (timberland)  807 Outdoor storage area  919 Dump or sanitary landfill  931 Open land or field	341 Clinic, clinic type infirmary 539 Household goods, sales, repairs 342 Doctor/dentist office 579 Motor vehicle/boat sales/repair 361 Prison or jail, not juvenile 571 Gas or service station 419 X 1-or 2-family dwelling 599 Business office 429 Multi-family dwelling 615 Electric generating plant
columbia county	2900 mpliance

EXAMINER

K1 Person/Enti	Rusiness name (if applicable)  Area Code Phone Number
naval opera	11 115-146
Check This Box if	HE. MES. First Name MI Lest Name Suffix
incident location. Then skip the three	1236   NE   Alpha
duplicate address	Number Pretx Strant or Highway     Lake City
	ner (Suit 6/800m City
	State Vin Code
More people in	volved? Check this box and attach Supplemental Forms (NFTRS-18) as necessary
Then ch	person involved?  eck this box and skip
tocal Uption	t of this section. Business name (if Applicable) Area Code Chone Number
	Bryan   Boyette
Eneck Unis hex if	Mr. Mrs. Mrs. Pixar Name Mi Last Nama Suff)×
name addition as incident lightion. Then skip the three	1925 SE County Road 245
duplicate eddress	Number Pratix Street or Highway
	Post Office Box Apr./Suite/Noom City
	FL_ [32025 ]-
	State Zin Code
I. Remarks	
Station 42, 43,	CF 1 & 3 responded to a structure fire at 236 NE Alpha Terrace. Upon
arrival Engine	21 from the Lake City Fire Department was on scene and had made an initial the front door of a single story residential structure. Upon arrival CF1
The second secon	onerations Our crews Supported Engine 21 With water 110m
	The street of the hart heen extinguished we well advised that the
Land Line of action	id intentially by an unknown person who was seen reaving the died in
0	anders were unable to obtain a tag # or exact vehicle identification. State Fire Marshal who responded and has an open case. Fire is under
	Also involved in the fire was a 1995 Windstar van which was parked under the
carport area of	f structure. Red Cross was contacted and responded to assist occupants of
residence.	
1	
<b>F</b>	
1. Authorization	on .
10001	Atkinson, Tres   FC   10   02   2008
officer in cr	Position or tank Assignment Month may real
Sneck   10009	Boozer, David L. FMD 10 02 2008
as Officer Hembar making	Prialition of rank Assignment North

A [29091   FL] 10 [01] 20	008] 40] [08-0003749]	O00 Change Fire
B1 0001 Not Residential  Estimated Number of residential living units building of origin whether or not all units became involved  B2 001 Buildings not involved  Number of buildings involved  B3 None Acres burned toutside fires X Less than one acre	or Products Enter up to three codes. Chack one or more boxes for each code entered. 1  On-site material [1]  2  On-site material [1]	Bulk storage or warehousing Processing or manufacturing Pr
B ignition	E1 Cause of Ignition    Check box if this is an exposure report.   Skip to section   G	E3Human Factors Contributing To Ignition Check all applicable boxes 1 X Asleep None
D1 21   Bedroom - < 5 persons;  Area of fire origin #  D2 UU   Undetermined    Heat Anarco #	2 Unintentional 3 Failure of equipment or heat source 4 Act of nature 5 X Cause under investigation U Cause undetermined after investigation	
Item first ignited # 1	E2 Factors Contributing To Ignit:  UU   Undetermined   X No.   X No.	and the first section of the section
Equipment Involved In Ignition    None if Equipment was not involved, Skip to getten G   Equipment involved	Enterespond Forest Source  F3 Equipment Portability  1 Portable 2 Stationery  Portable equipment normally con be moved by one person, is designed to	er up to inclus under
None  1 Not involved in ignition, but burned 2 Involved in ignition, but did not burn 3 Involved in ignition and burned	Mobile Property type	Bome of the information presented in this report may be based upon reporte from other Agencies  Arson report attached  Police report attached  Coroner report attached  Other reports attached
Mobile property model Licgige Plate Number State V	Year Year	NFIRS-2 Revision 01/19/99

If Yire was In enclosed building or a portable/mobile structure complete the rest of this form	I <sub>2</sub> Building	- C. S.	Hei Count the RO	ght of as part	I4 Main Floor Size NFIRS-3 Structure Fire
1 [X] Enclosed Building	1 Under const	ruction	of the higher	at atory	1
2 Portable/mobile structure	2 X Occupied 5				
3 Open structure	3 Idla, not r		001	omr of stories	001 , 800
4 Air supported structure	4 Under major		Total numb		Total square feet
5 Tent	5 Vacant and				OR
6 Open platform (a.g. piers)	6 Vacant and	unsecured		]	
7   Underground structure (work stees)	7 Being demol	ished	fotal numb	oar of stories	1 1 1 1 1991 1.1
8 Connective structure (a.g. tences)	O Other		perce divi		Longht in feet Width in feet
O Other type of structure	U Undotermine	d .			2 Langue III 2005
O DONET SHE OF PROPERTY					
J1 Fire Origin # 3	73 Numbe	r of Stori	.es	44	cerial Contributing Most
		ed By Flam	7	To	Flame Spread
OO1	Count the ROOF as p	eart of the his	ghest story	Chét	k it no flame aproad Skip To
Story of fire origin	1. Number of at	ortes w/ minor d	anzga	OK O	ame as material first ignited Section L
	(1 to 24% F1				
J2 Fire Spread w	) Number of of	orice w/ elgnif	cant damege	K1	
1 Confined to object of origin		leme damage)		Fran	contributing most to flame spread
	Wombon of	ories w/ heavy d	emena	BFO .	
Confined to room of origin Confined to floor of origin		lame damage)		R2	of material contributing sequired only if item
4 X Confined to building of origin	5 888 8	5 E		Type	of tiams survey contributing
5 Beyond building of origin		Ories u/ axtrema (leme damage)	damage		Und4 15 00 or<70
2 Discission				-	Total Personnes
Il Presence of Detectors *	L3 Detec	tor Power	Supply ]	M2	tector Effectiveness
(In area of the firm)	<b>-1.</b>			Rec	quired if detector operated
N X None Present Skip t		part and a second		1 [ Aleri	ted Occupants, occupants responded
section					cants failed to respond
1 Present	3 Plug				were no occupants
U Dundetermined		ire with bat			ed to siert occupants
	6 Mechan	in with batt		U   Unde	
L2 Detector Type		le detectors	. +		
		supplies	- 1:	L6 De	tector Failure Reason
1 Smoke	0 Tother			Require	ed if detector failed to operate
0.50	U Dundet	(A) 3(5)			8
2 Heat	<u>Ā</u> 🗖 sitas s			1 TPowe	r failure, shutoff or disconnect
3 Combination smoke - heat	L4 Dete	ctor Opera	tion	Total Control of the	oper installation or placement
	1 1 1 1	ire too smal	1	3 Defe	
4 Sprinkler, water flow detecti	OH I	o activate		-	of maintenance, includes cleaning
5 More than 1 type present	2 170	perated		5 Batt	ery missing or disconnected
	1	Complete Section		6 Batt	ery discharged or dead
O Dother	3 🗆 🛭	ailed to Ope	rate	0 Othe	r
U Undetermined	I	Complete Secti	on Loy	U Unde	termined
	ט 🗆 ט	ndetermined			
M1 Presence of Automatic Extinguis	hment Systam *	M3 Automa	tio Exting	uishment	M5 Automatic Extinguishment
622			Operation		System Failure Reason
N X None Present	mplete rest	Required 1f fir	a vas vithin e	designed ran	Required if system failed
	f Section M	1 Operate	d & effect	ive (Go to	M4 Dantes chus com
		2 Operate	d & not ef	fective	1 Bystem shut off
Mequired if fire was within deelgn		3 Fire to	o small to	activate	2 Not enough agent discharged
I Wet pipe sprinkler	The south of the	4 Failed	to operate	(de to i	not reach fire
2 Dry pipe aprinkler		0 Other			4   Wrong type of system
3 Other sprinkler system		U Undeter	mined		5 Fire not in area protected
i i iocuor oprantaga sietem		-	4	1	6 System components damaged
5 Foam system		Ma Manibar		ler	7 1 22-22
Simple and the system		1	Operating	Court of Make Tile Mat	8 Manual Intervention
7 Carbon dioxide (CO 2) system	m	Required 1	f system ope	erated	0 Other
		1 1			U Undetermined
I III tindetermined	ener 1	Hunter As	anrinkler be	eads operat	

A 29091 F	MM DD YYYY L 10 1 200	8] 40]		0003749		NFIRS - 9 Apparatus or Resources
B Apparatus or * Resource	Date and Time Check If same as alarm Month Day Yes	date	Sent		USG Check ONE how for each apparatus to indicate its mein use at the incident.	Actions Taken
1 IN CF1 Type 92	Arrival X 10 1	2008 03:05   2008 03:13   2008 06:06	X	_1	Suppression Des	[73] [_]
2 ID CF3	Acrival X 10 1	2008 03:05   2008 03:13   2008 06:06	Œ	1 7.1	Suppression	[73] [_]
Tal	Arrivat ON 101 1	2008 03:13	<b>X</b>	! 21	LENR LENRA EN SUPPLICATION	(3) (3)
4 ID T42	Dispatch     10   1	2008   02.00 2008   03:13   2008   06:06	[X]	2	□ <b>zM3</b> □Other	75    76
5 ID  T43	Dispatch     10   1	2008;	A			1 75   76
THE	Creax				Guppression Other	
7 ID	Dispatch				Suppression  EMS Other	
Type I I	Dispatch []				EMS Other	
Type	Dispatch				Suppression  SM8  Other	
Ground Fire Suppling to Supplication of Suppli	combination  combination  pression, other ipment  r	Marine Equipm 11 Fire boat w 52 Boat, no pu 16 Marine appa Support Equip 16 Area 17 Rescue unit 17 Urban Searc 17 High angle 15 BLS unit 16 ALS unit 17 Medical and	ith pus mp ratus, ment pparatus ir unit aratus foue th & res	other is support other coiner scue unit	Other 91 Mobile of the state of	unit mend frew mand utuw ly owned vehicle

A 29091	MM DD YYYY   FL   10   1   2008   State   Incidence Date	\$tation	08-0	003749 L	-	Dainen	R8 - 10 reonnel
B Apparatus or Resource	Date and Times  Check if same as alarm (late	/msns	[V]	_ apparatu	Use NE how for each us to indicate a use of the	Actions	1 actions
I ID CF1	Dispatch 10 1 2008  Arrival 10 1 2008	03:13	X	1   1			
Personnel	Name	Rank or	Attend	Action Taken	Actics Taken	Taken	Taken
	Atkinson, Tres	FC	X	89	81	86	
2 m CF3	Arrival X 10 1 200	B 03:05 B 03:13 B 06:06	Sent	1 DE	uppression MS	7:	3 <u>     </u>
Personnel	Name	Rank or	Attend X	Action Taken	Taken	Taken	Latian Taken
0009	Boozer, David	FMD	X	58	11		
3 ID E42 Type 11	Arraval X 10 1 200	08   [03:05 08   [03:13 08   [06:06	Sent	21	Suppression M9 Other		3 <u>74</u> 5 76
Personnel ID	Name	Rank or Grade	Attend X	Action Taken	Action Taken	Action Taken	zarian Taken
0017 JOHN01	Cassady, Gregory Johnson, Joseph	LT	X X	58	11	12	

A 29091	FL 10 1 2008	\$tation		0003749 000 Number & Exposure *	Datete NFIRS - 10 Personnel
B Apparatus or Resource	Date and Times Check if name as class date	nuu =/m1n#	[x]	of and the control of	Actions Taken  Tech List up to 4 metions  Got each approarm  In and each personnel
1 ID T42	Arrival X 10 1 2008		X	2 EMS	<u>[ 75]</u>   76
Personnel ID	Name	Rank or	utend	Taken 1929	
	Buchner, Brian Killebrew, Dennis	FF BC	x		11 12
Type  24	Dispatch X 10 1 200  1	8 03:13	Sent X	Z Suppress	73 74 75 76
Personnel ID	Name	Rank or Grade	attend X	Taken Take	n Takon Teker S
0026 0078	D'Antonio, Wade Redish, Collin	EE.	X	58	12
3 ID	Dispatch Clear Clear		Sent	Suppres  Suppres  Other	eion Li
Personnel	Name	Rank or Grade	Atten	Action Acti Taken Take	
			18		
		1	18		

Estimated	Pre-Incident Value	Estimated Loss	Insured Amount	Settlement Amount	
Buildings	585,000.00	\$23,000.00	\$0.00	\$0.00	
Vehicles	\$0.00	\$0.00	\$0.00	\$0.00	
Contents	\$3,000.00	\$3,000.00	\$0.00	\$0.00	
Insurance	e Company				
Insurance	e Company	*	Contact Name		
Insurance	1		Contact Name		
Insurance	Business name if applicable				
Insurance	Business name if applicable		Contact Name		
Insurance	Business name if applicable				
Insurance	Business name if applicable Sizemt or highway Post Office box		CITY		

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**MAYO FL 32066** 

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Fax: 386-294-3981

Souse Han Forth-coning

Date: 12/23/2008

**QUOTE** 

Ship To:

BOYETTE

KENNY TOWNSEND

Bill To:

CONTRACTORS

ii .

, FL

, FL,

0 11USS J3 JUAZ 3-UAJ D1 12 4/4	Order ID	OLP Jo	b	Account ID	Salesperson	Order Date	Req. Date	Shipped Date	Ship Via
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									Page 1 of 2

PRODUCT APPROVAL SPECIFICATION SHEET								
Location:	Project Name:							
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project fowhich you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at <a href="https://www.floridabuilding.org">www.floridabuilding.org</a>								
Category/Subcategory	Manufacturer	Approval Number(s)						
A. EXTERIOR DOORS		Product Description						
1. Swinging	Therma -Tru	15 life door	8838./					
2. Sliding								
3. Sectional								
4. Roll up								
5. Automatic								
6. Other								
B. WINDOWS								
Single hung								
Horizontal Slider	Fl. Extruders	48 x 36 Slider	43.1					
3. Casement								
4. Double Hung								
5. Fixed								
6. Awning								
7. Pass -through								
8. Projected								
9. Mullion								
10. Wind Breaker								
11 Dual Action								
12. Other								
C. PANEL WALL								
1. Siding		Alamon and a second a second and a second an						
2. Soffits								
3. EIFS								
4. Storefronts								
5. Curtain walls								
6. Wall louver								
7. Glass block								
8. Membrane								
9. Greenhouse								
10. Other								
D. ROOFING PRODUCTS								
Asphalt Shingles	EIK Corp	Laminated Asphalt Shingle	5524.1					
2. Underlayments	C(1- CO. )	Laminare rispital strigge	J = 1.1					
Roofing Fasteners		NT	Y BUILDIA					
Non-structural Metal Rf		COR						
5. Built-Up Roofing			for FS					
6. Modified Bitumen		S FILE	COL					
7. Single Ply Roofing Sys		137	COPY					
8. Roofing Tiles		S Com	ode 757					
Roofing Insulation		AND	mance y					
		(O) E	WASHING TO THE PARTY OF THE PAR					

10. Waterproofing

12. Roofing Slate

11. Wood shingles /shakes

Category/Subcategory (cont.)	Manufacturer	Product Descri	ption	A	pproval Number(s)
13. Liquid Applied Roof Sys					
14. Cements-Adhesives –					
Coatings					
15. Roof Tile Adhesive					
16. Spray Applied					
Polyurethane Roof					
17. Other					
E. SHUTTERS					
1. Accordion					
2. Bahama					
Storm Panels					
4. Colonial					
5. Roll-up					
6. Equipment					
7. Others					
F. SKYLIGHTS					
1. Skylight					
2. Other					
G. STRUCTURAL					
COMPONENTS		1000			
Wood connector/anchor					
2. Truss plates					
3. Engineered lumber					
4. Railing					
5. Coolers-freezers					
Concrete Admixtures					
7. Material					
8. Insulation Forms					
9. Plastics					
10. Deck-Roof					
11. Wall					
12. Sheds					
13. Other					
H. NEW EXTERIOR					
ENVELOPE PRODUCTS					
1.					
The products listed below did time of inspection of these p obsite; 1) copy of the produc and certified to comply with,	roducts, the follo t approval, 2) the	owing information of the performance of the perform	on must be ava characteristics	ailable to the in which the pro	spector on the duct was tested
understand these products					
dideistand these products	may have to be	removed ii appi	oval carmot b	A STATE OF THE PARTY OF THE PAR	a during inspection.
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STE CO TE					
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		The same of the sa		Compliance	3
Contractor or Contractor's Authorized	Agent Signature		Print Name	MAMINER	Date
ocation			Permit # (FOR	STAFF USE ON	LY)

02/02/04 - 2 of 2

Website: www.tlcpermits.org

Effective April 1, 2004



# 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.

Building permit No. 000027574

0.00

Fire:

0.00

Waste:

Parcel Number 28-3S-17-05757-000

Use Classification REMODEL SFD

Permit Holder MICHAEL HERLONG

Owner of Building BRYAN & TERESA BOYETTE

Location: 236 NE ALPHA TERRACE

Date: 01/15/2010

0.00

Total:

**Building Inspector** 

POST IN A CONSPICUOUS PLACE (Business Places Only)