

DATE 05/20/2009

Columbia County Building Permit  
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT  
000027822

APPLICANT JAY MILTON PHONE 386.755.5827  
ADDRESS 1296 SW RIDGE STREET LAKE CITY FL 32024  
OWNER OLIVER & WILLIE SAULSBY PHONE 706.394.4264  
ADDRESS 196 NW SAULSBY GLN LAKE CITY FL 32055  
CONTRACTOR JAY MILTON PHONE 386.755.5827  
LOCATION OF PROPERTY LAKE JEFFERY RD TO LOWER SPRINGS RD,TR GO 1/2 MILE TO  
MAILBOX #653,TL INTO DRIVE ON R.  
TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 105750.00  
HEATED FLOOR AREA 1234.00 TOTAL AREA 2115.00 HEIGHT 20.00 STORIES 1  
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6'12 FLOOR CONC  
LAND USE & ZONING A-3 MAX. HEIGHT 35  
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00  
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 01-3S-15-00127-012 SUBDIVISION  
LOT BLOCK PHASE UNIT TOTAL ACRES 2.00

CGC060912  
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
PRIVATE 09-0271 BLK HD Y  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: NOC ON FILE. 1 FOOT ABOVE ROAD. SPECIAL FAMILY LOT PERMIT. 14.9

Check # or Cash 9015

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 530.00 CERTIFICATION FEE \$ 10.58 SURCHARGE FEE \$ 10.58  
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$  
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ TOTAL FEE 626.16  
INSPECTORS OFFICE CLERKS OFFICE

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

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

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

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



**Columbia County Building Permit Application**

**For Office Use Only** Application # 0905-15 Date Received 5/8 By JW Permit # 27822  
 Zoning Official BLK Date 1905-07 Flood Zone X Land Use A-3 Zoning A3  
 FEMA Map # N/A Elevation N/A MFE 1st Rd River N/A Plans Examiner HD Date 5-14  
 Comments Special family lot permit 14.9 ✓  
☒ 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: EMS \_\_\_\_\_ Fire \_\_\_\_\_ Corr \_\_\_\_\_ Road/Code \_\_\_\_\_  
 School \_\_\_\_\_ = TOTAL SUSPENDED

Septic Permit No. 09-0271 Fax \_\_\_\_\_  
 Name Authorized Person Signing Permit Jay Milton Phone 386-755-5827  
 Address 1296 SW Ridge St. Lake City FL 32024  
 Owners Name Oliver Saulsby Phone 706-394-4264  
 911 Address 196 NW Sausby Glen Lake City FL 32055  
 Contractors Name Jay Milton Phone 386 755-5827  
 Address 1296 SW Ridge St Lake City FL 32024  
 Fee Simple Owner Name & Address 3608 Lexington Dr. Augusta Ga. 30906-503  
 Bonding Co. Name & Address \_\_\_\_\_  
 Architect/Engineer Name & Address Mark Disosway  
 Mortgage Lenders Name & Address CASH

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 00127-012 (01-35-15) Estimated Cost of Construction 120,000<sup>00</sup>  
 Subdivision Name \_\_\_\_\_ Lot \_\_\_\_\_ Block \_\_\_\_\_ Unit \_\_\_\_\_ Phase \_\_\_\_\_  
 Driving Directions Take Lake Jeffery Rd approx. 7 miles out of Lake City  
to Lower Springs Rd turn RT. Go 1/2 mile to mail box 658 turn LFT.  
14 to Drive Job on RT. Number of Existing Dwellings on Property 0

Construction of Single Family home Total Acreage 2.00 Lot Size \_\_\_\_\_  
 Do you need a - Culvert Permit or Culvert Waiver or PRIVATE Rd Have an Existing Drive Total Building Height 20'  
 Actual Distance of Structure from Property Lines - Front 46' Side 136' Side 141' Rear 116'  
 Number of Stories 1 Heated Floor Area 1284 Total Floor Area 2115 Roof Pitch 6/12

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

*JW called, spoke w/ Jay on 5-19-09*



**Columbia County Building Permit Application**

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

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

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

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

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

**OWNERS CERTIFICATION:** I 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

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

  
Contractor's Signature (Permitee)

Contractor's License Number CGC 060912  
Columbia County  
Competency Card Number \_\_\_\_\_

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 8 day of May 200  
Personally known \_\_\_\_\_ or Produced Identification DL

  
State of Florida Notary Signature (For the Contractor)



# **HALL'S PUMP & WELL SERVICE, INC.**

SPECIALIZING IN 4"-6" WELLS



DONALD AND MARY HALL  
OWNERS

PHONE (386) 752-1854  
FAX (386) 755-7022  
904 NW MAIN BLVD.  
LAKE CITY, FLORIDA 32055

**May 08, 2009**

**Notice to All Contractors:**

**Re: Milton Builders**

***Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results. All wells will have a pump & tank combination that will be sufficient enough for each situation.***

***If you have any questions please feel free to call our office.***

**Thank You,**

**Donald D. Hall**



# NOTICE OF COMMENCEMENT

## COLUMBIA COUNTY, FLORIDA

Inst: 200912007908 Date: 5/14/2009 Time: 8:39 AM  
X-7 DC, P. DeWitt Cason, Columbia County Page 1 of 1 B: 1173 P: 234

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

1. Description of property: ( legal description and street address or 911 address )  
196 SW. Saulsby Glen Lake City Fl. 32055
2. General description of improvement: Construct Single Family Residence
3. Owner Name and Address: Oliver W. Saulsby and Willie D. Saulsby  
3608 Lexington DR. Augusta Ga. 30906-5038  
Interest in Property: 100%
4. Name and Address of Fee Simple Titleholder ( if other than owner ): Same
5. Contractor Name and Address: Milton Builders LLC.  
1296 SW Ridge ST Lake City Fl. 32024 Phone Number 386-755-5827
6. Surety Holder's Name and Address: NA Phone Number NA  
Amount of Bond: NA
7. Lender Name and Address: NA Phone Number NA
8. Persons within the State of Florida designated by owner upon whom notices or other documents may be served as provided by Florida Statutes 713.13(1)(a) 7:  
Name and Address: none Phone Number NA
9. In addition to himself/herself owner designates: NA of  
to receive a copy of the Leinor's Notice as  
provided in Florida Statutes 713.13(1)(a) 7. Phone Number of designee NA
10. Expiration date of Notice of Commencement (the expiration date is one (1) year from the date of recording unless a different date is specified): —

### NOTICE AS PER CHAPTER 713. FLORIDA STATUTES:

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

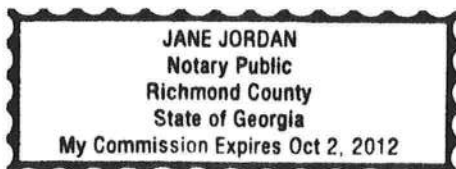
Signature of Owner

Signature of Owner

Sworn to (or affirmed) and subscribed before me this 11<sup>th</sup> day of May, 2009.

Notary Stamp/ Seal

Jane Jordan Jane Jordan  
Type Notary's Name Jane Jordan  
Notary Public, State of Florida





# COLUMBIA COUNTY 911 ADDRESSING / GIS DEPARTMENT

P. O. Box 1787, Lake City, FL 32056-1787

Telephone: (386) 758-1125 \* Fax: (386) 758-1365 \* Email: ron\_croft@columbiacountyfla.com



## 911 Address Assignment Notice

To maintain the Countywide Addressing Policy you must make application for a 911 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. **The addressing system is to enable Emergency Service Agencies to locate you in an emergency**, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

**DATE REQUESTED:** 4/3/2009

**DATE ISSUED:** 5/7/2009

### ENHANCED 911 ADDRESS ASSIGNMENT:

196 NW SAULSBY

GLN

LAKE CITY FL 32055

### **PROPERTY APPRAISER PARCEL NUMBER:**

01-3S-15-00127-012

### **Remarks:**

NEW PRIVATE ROADWAY

Address Issued By: \_\_\_\_\_

Columbia County 911 Addressing / GIS Department ID #:

1438

**NOTICE: THIS ADDRESS WAS ISSUED BASED ON LOCATION INFORMATION RECEIVED FROM THE REQUESTER. SHOULD, AT A LATER DATE, THE LOCATION INFORMATION BE FOUND TO BE IN ERROR, THIS ADDRESS IS SUBJECT TO CHANGE.**



# Columbia County Property Appraiser

DB Last Updated: 4/27/2009

## 2009 Preliminary Values

Tax Record

Property Card

Interactive GIS Map

Print

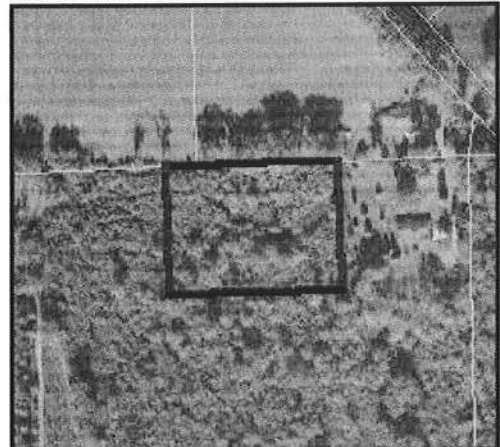
Parcel: 01-3S-15-00127-012

Search Result: 1 of 1

### Owner & Property Info

<b>Owner's Name</b>	SAULSBY OLIVER W & WILLIE H		
<b>Site Address</b>			
<b>Mailing Address</b>	3608 LEXINGTON DR AUGUSTA, GA 30906		
<b>Use Desc. (code)</b>	TIMBERLAND (005400)		
<b>Neighborhood</b>	001315.00	<b>Tax District</b>	3
<b>UD Codes</b>	MKTA01	<b>Market Area</b>	01
<b>Total Land Area</b>	2.000 ACRES		
<b>Description</b>	COMM NE COR OF SE1/4 OF NW1/4 W 255.65 FOR POB, S 255.65 FT, W 340.78 FT, N 255.65 TO N LINE OF SE1/4 OF NW1/4, E 340.78 TO POB. WD 1167-329		

### GIS Aerial



### Property & Assessment Values

<b>Mkt Land Value</b>	cnt: (0)	\$0.00
<b>Ag Land Value</b>	cnt: (1)	\$700.00
<b>Building Value</b>	cnt: (0)	\$0.00
<b>XFOB Value</b>	cnt: (0)	\$0.00
<b>Total Appraised Value</b>		\$700.00

<b>Just Value</b>	\$21,600.00
<b>Class Value</b>	\$700.00
<b>Assessed Value</b>	\$700.00
<b>Exemptions</b>	\$0.00
<b>Total Taxable Value</b>	County: \$700.00   City: \$700.00 Other: \$700.00   School: \$700.00

### Sales History

Sale Date	Book/Page	Inst. Type	Sale VImp	Sale Qual	Sale RCode	Sale Price
2/10/2009	1167/329	WD	V	U	30	\$6,000.00

### Building Characteristics

Bldg Item	Bldg Desc	Year Blt	Ext. Walls	Heated S.F.	Actual S.F.	Bldg Value
NONE						

### Extra Features & Out Buildings

Code	Desc	Year Blt	Value	Units	Dims	Condition (% Good)
NONE						

### Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
005400	TIMBER 1 (AG)	0000002.000 AC	1.00/1.00/1.00/1.00	\$350.00	\$700.00
009910	MKT.VAL.AG (MKT)	0000002.000 AC	1.00/1.00/1.00/1.00	\$0.00	\$21,600.00

Columbia County Property Appraiser

DB Last Updated: 4/27/2009

1 of 1

WARRANTY DEED

Inst:200912002159 Date:2/11/2009 Time:10:40 AM

Doc Stamp-Deed:42.00

✓ DC.P.DeWitt Cason,Columbia County Page 1 of 2 B:1167 P:329

THIS INDENTURE, made this 10<sup>th</sup> day of February, 2009, between LOUIS H. SAULSBY and his wife DELORES B. SAULSBY, whose address is 658 NW Lower Springs Road, Lake City, Florida 32055, Grantors, and OLIVER W. SAULSBY and WILLIE H. SAULSBY, whose address is 3608 Lexington Drive, Augusta, Georgia 30906, Grantees,

WITNESSETH:

That Grantors, for and in consideration of the sum of TEN AND NO/100 (\$10.00) DOLLARS and other valuable consideration to Grantors in hand paid by Grantees, the receipt whereof is hereby acknowledged, have granted, bargained and sold to said Grantees, and Grantees' heirs, successors and assigns forever, the following lands lying in Columbia County, Florida:

SEE SCHEDULE "A" ATTACHED HERETO.  
(Tax parcel number 01-3S-15-00127-003 [cutout])

SUBJECT TO: Taxes for 2009 and subsequent years; restrictions, liens and easements of record; easements shown by a plat of the property; and any existing mortgage indebtedness on the property.

Grantors hereby fully warrant the title to said land and will defend same against claims of persons whomever.

IN WITNESS WHEREOF, Grantors have hereunto set their hands and seals the day and year first above written.

Signed, sealed and delivered  
in the presence of:

Eddie M. Anderson  
Print Name: Eddie M. Anderson  
Andrea L. Walden  
Print Name: Andrea L. Walden  
Witnesses as to Grantors

Louis H. Saulsby  
LOUIS H. SAULSBY

Delores B. Saulsby  
DELORES B. SAULSBY

This Instrument Was Prepared By:  
EDDIE M. ANDERSON, P.A.  
Post Office Box 1179  
Lake City, Florida 32056-1179

STATE OF FLORIDA  
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 10<sup>th</sup> day of February, 2009 by Louis H. Saulsby and Delores B. Saulsby. They produced FLDL as identification.

(Notarial Seal)



ANDREA L. WALDEN  
MY COMMISSION # DD 687722  
EXPIRES: October 21, 2011  
Bonded Thru Budget Notary Services

Andrea L. Walden  
Notary Public  
My commission expires:



SCHEDULE "A" TO WARRANTY DEED

SAULSBY to SAULSBY

A parcel of land in the SE 1/4 of the NW 1/4, Section 1, Township 3 South, Range 15 East, Columbia County, Florida; the North fifty (50) feet being subject to an easement for roadway purposes, said lands being conveyed being more particularly described as follows:

Commencing at the Northeast corner of said SE 1/4 of the NW 1/4; thence S. 89°39'34" W. along the North line of said SE 1/4 of the NW 1/4, a distance of 255.65 feet to the POINT OF BEGINNING; thence S. 00°29'18" W. departing said North line, passing at 50.00 feet the South line of the aforementioned roadway easement, and continuing for a total distance of 255.65 feet; thence S. 89°39'34" W. a distance of 340.78 feet; thence N. 00°29'18" E. passing at a distance of 205.65 feet the South line of the aforementioned road easement, and continuing for a total distance of 255.65 feet to a point on the aforementioned North line of said SE 1/4 of the NW 1/4; thence N. 89°39'34" E. along said North line a distance of 340.78 feet to the POINT OF BEGINNING. Containing 2.00 acres, more or less.

Together with and including a non-exclusive perpetual easement for ingress and egress over and across the North fifty (50) feet of said SE 1/4 of the NE 1/4 of said Section 1 lying East of the above described lands being conveyed.

Also together with an undivided one-half interest in a non-exclusive perpetual easement for ingress and egress over and across the East fifty (50) feet of the NE 1/4 of NW 1/4 of said Section 1 as lies Southwest of a County maintained graded road.

AFFIDAVIT OF SUBDIVIDED REAL PROPERTY  
FOR USE OF IMMEDIATE FAMILY MEMBERS  
FOR PRIMARY RESIDENCE

STATE OF FLORIDA  
COUNTY OF COLUMBIA

BEFORE ME the undersigned Notary Public personally appeared.

DELORES B. + LOUIS H. SAUSBY the Owner of the parent tract which has been subdivided for immediate family primary residence use, hereinafter the Owner, and WILLIE H. + OLIVER W. SAUSBY, the family member of the Owner, who is the owner of the family parcel which is intended for immediate family primary residence use, hereafter the Family Member, and is related to the Owner as BROTHER + SISTER-IN-LAW, and both individuals being first duly sworn according to law, depose and say:

1. Both the Owner and the Family Member have personal knowledge of all matters set forth in this Affidavit.
2. The Owner holds fee simple title to certain real property situated in Columbia County, and more particularly described by reference to the Columbia county Property Appraiser Tax Parcel No. 01-35-15 - 00127-003.
3. The Owner has divided his parent parcel for use of immediate family members for their primary residence and the parcel divided and the remaining parent parcel are at least ½ acre in size. Immediate family is defined as grandparent, parent, step-parent, adopted parent, sibling, child, step-child, adopted child or grandchild.
4. The Family Member is a member of the Owner's immediate family, as set forth above, and holds fee simple title to certain real property divided from the Owner's parcel situated in Columbia County and more particularly described by reference to the Columbia County Property Appraiser Tax Parcel No. 01-35-15 - 00127-012.
5. No person or entity other than the Owner and Family Member claims or is presently entitled to the right of possession or is in possession of the property, and there are no tenancies, leases or other occupancies that affect the Property.
6. This Affidavit is made for the specific purpose of inducing Columbia County to recognize a family division for a family member on the parcel divided in accordance with Section 14.9 of the Columbia County Land Development Regulations.



7. This Affidavit is made and given by Affiants with full knowledge that the facts contained herein are accurate and complete, and with full knowledge that the penalties under Florida law for perjury include conviction of a felony of the third degree.

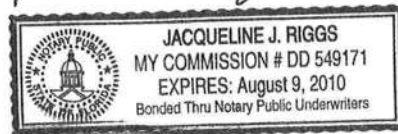
We Hereby Certify that the information contained in this Affidavit are true and correct:

*[Signature]*  
*[Signature]*  
Owner  
LOUIS H. SAULSBY  
DELORES B. SAULSBY  
Typed or Printed Name

*[Signature]*  
*[Signature]*  
Family Member  
OLIVER W. SAULSBY  
WILLIE D. SAULSBY  
Typed or Printed Name

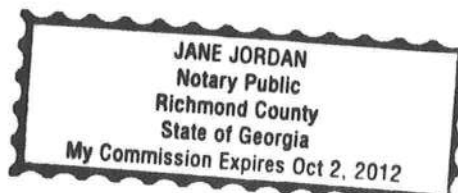
Subscribed and sworn to (or affirmed) before me this 15 day of May, 2009, by DeLoris & Louis Sausby (Owner) who is personally known to me or has produced personally known as identification.

*Jacqueline Riggs*  
Notary Public



Subscribed and sworn to (or affirmed) before me this 11<sup>th</sup> day of May, 2009, by Oliver W. Sausby  
Willie D. Sausby (Family Member) who is personally known to me or has produced GA DL 051516735  
GA DL 055090812 as identification.

*Jane Jordan*  
Notary Public

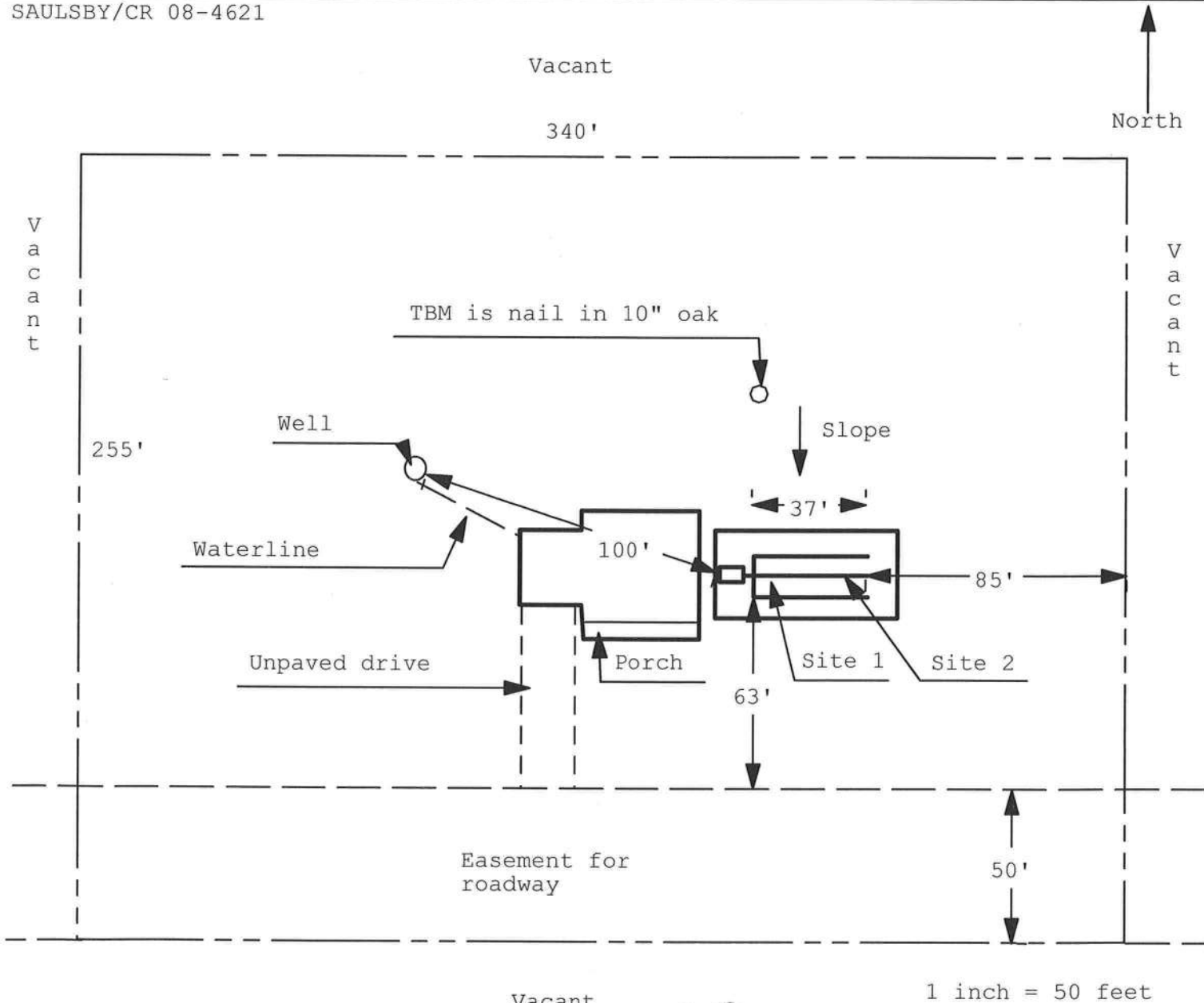


# Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 09-0271

**ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT**

SAULSBY/CR 08-4621



Site Plan Submitted By Paul L. Lyle Date 4/30/09  
 Plan Approved ☒ Not Approved ☐ Date 5-7-09

By Mn 0 2 n Columbre CPHU

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



STATE OF FLORIDA  
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES  
ON-SITE SEWAGE DISPOSAL SYSTEM  
APPLICATION FOR CONSTRUCTION PERMIT  
Authority: Chapter 381, FS & Chapter 10D-6, FAC

09-0271  
921542  
DATE PAID 5/5/09  
FEE PAID \$ 370.00  
RECEIPT # 1114257  
CR # 08-4621

APPLICATION FOR:

[X] New System [ ] Existing System [ ] Holding Tank [ ] Temporary/Experimental Syst  
[ ] Repair [ ] Abandonment [ ] Other(Specify)

APPLICANT: OLIVER SAULSBY TELEPHONE: 386-755-5827

AGENT: JAY MILTON BUILDERS

MAILING ADDRESS: 1296 SW RIDGE STREET CITY: LAKE CITY STATE: FL ZIP: 32024

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. ATTACH BUILDING PLAN AND TO-SCA  
SITE PLAN SHOWING PERTINENT FEATURES REQUIRED BY CHAPTER 10D-6, FLORIDA ADMINISTRATIVE CODE.

PROPERTY INFORMATION [IF LOT IS NOT IN A RECORDED SUBDIVISION, ATTACH LEGAL DESCRIPTION OR DEE

LOT: BLOCK: SUBDIVISION: MEETS & BOUNDS DATESUBD:

PROPERTY ID #: 01-3S-15-00127-012 [Section/Township/Range/Parcel] ZONING:

PROPERTY SIZE: 2.0 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [X] PRIVATE [ ] PUBL

PROPERTY STREET ADDRESS: 196 NW LOWER SPRINGS ROAD

DIRECTIONS TO PROPERTY: TAKE LAKE JEFFERY ROAD WEST, CROSS OVER I-75, TR ON LOWER SPRINGS ROAD,  
GO APPROXIMATELY 1/2 MILE, TL ON EASEMENT NEXT TO MAIL BOX #658, FOLLOW T  
SITE ON LEFT

BUILDING INFORMATION [X] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	HOUSE	3	1284	4	
2					
3					
4					

[N] Garbage Grinders/Disposals [N] Spas/Hot Tubs [N] Floor/Equipment Drai  
[N] Ultra-low Volume Flush Toilets [N] Other (Specify)

APPLICANT'S SIGNATURE: DATE: 5-5-09



0905-15





**FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION**

## Florida Department of Community Affairs Residential Performance Method A

Project Name: 905043MiltonBuildersSaulsbyRes  
 Street: Lake Jeffery Rd.  
 City, State, Zip: , FL ,  
 Owner: Saulsby Res.  
 Design Location: FL, Gainesville

Builder Name: Milton Builders  
 Permit Office: *Columbia*  
 Permit Number: *27822*  
 Jurisdiction: *221000*

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	3	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft <sup>2</sup> )	1286	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.32	166.00 ft <sup>2</sup>
	SHGC: SHGC=0.30	
b. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
c. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
d. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
e. U-Factor:	N/A	ft <sup>2</sup>
	SHGC:	
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1286.00 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	907.33 ft <sup>2</sup>
b. Frame - Wood, Adjacent	R=13.0	240.00 ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>
d. N/A	R=	ft <sup>2</sup>
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1286.00 ft <sup>2</sup>
b. N/A	R=	ft <sup>2</sup>
c. N/A	R=	ft <sup>2</sup>
11. Ducts		
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 120 ft <sup>2</sup>		
12. Cooling systems		
a. Central Unit	Cap: 23 kBtu/hr SEER: 13	
13. Heating systems		
a. Electric Heat Pump	Cap: 23 kBtu/hr HSPF: 7.8	
14. Hot water systems		
a. Electric	Cap: 40 gallons EF: 0.93	
b. Conservation features		
None		
15. Credits	None	

Glass/Floor Area: 0.129

Total As-Built Modified Loads: 24.71

Total Baseline Loads: 30.37

**PASS**

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

PREPARED BY:

DATE: *5/5/09 EVAN BEAMSLEY*

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.



BUILDING OFFICIAL:

DATE: \_\_\_\_\_



## PROJECT

Title:	905043MiltonBuildersSaulsby	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Saulsby Res.	Conditioned Area:	1286	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Milton Builders	Worst Case:	Yes	Street:	Lake Jeffery Rd.
Permit Office:		Rotate Angle:	315	County:	Columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	, FL ,
Family Type:	Single-family	Whole House Fan:	No		
New/Existing:	New (From Plans)				
Comment:					

## CLIMATE

✓	Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	Design Temp 2.5 %	Int Design Temp Winter	Int Design Temp Summer	Heating Degree Days	Design Moisture	Daily Temp Range
_____	FL, Gainesville	FL_GAINESVILLE_REGI	2	32	92	75	70	1305.5	51	Medium

## FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	144 ft	0	1286 ft²	0.3	0	0.7

## ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Composition shingles	1438 ft²	322 ft²	Dark	0.96	No	0	26.6 deg

## ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	1286 ft²	N	N

## CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1286 ft²	0.11	Wood

## WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	304 ft²	0	0.23	0.75
_____	2	S	Exterior	Frame - Wood	13	261.33 ft²	0	0.23	0.75
_____	3	E	Exterior	Frame - Wood	13	292 ft²	0	0.23	0.75
_____	4	W	Exterior	Frame - Wood	13	50 ft²	0	0.23	0.75
_____	5	??	Garage	Frame - Wood	13	240 ft²		0.23	0.01

DOORS													
✓	#	Ornt	Door Type		Storms	U-Value	Area						
✓	1	W	Insulated		None	0.46	10 ft²						
✓	2	S	Insulated		None	0.46	20 ft²						
✓	3	??	Insulated		None	0.46	20 ft²						

WINDOWS													
Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.													
✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
✓	1	N	Metal	Double (Clear)	Yes	0.32	0.3	N	60 ft²	0 ft 18 in	0 ft 18 in	HERS 2006	None
✓	2	N	Metal	Double (Clear)	Yes	0.32	0.3	N	6 ft²	0 ft 18 in	0 ft 18 in	HERS 2006	None
✓	3	E	Metal	Double (Clear)	Yes	0.32	0.3	N	30 ft²	0 ft 12 in	0 ft 0 in	HERS 2006	None
✓	4	S	Metal	Double (Clear)	Yes	0.32	0.3	N	60 ft²	0 ft 90 in	0 ft 18 in	HERS 2006	None
✓	5	W	Metal	Double (Clear)	Yes	0.32	0.3	N	10 ft²	0 ft 0 in	0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING										
✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
✓	Default	0.00036	1214	7.08	66.7	125.4	0 cfm	0 cfm	0	0

GARAGE						
✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
✓	1	496.4586 ft²	496.4586 ft²	76 ft	8 ft	11

COOLING SYSTEM								
✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
✓	1	Central Unit	None	SEER: 13	23 kBtu/hr	690 cfm	0.75	

HEATING SYSTEM						
✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
✓	1	Electric Heat Pump	None	HSPF: 7.8	23 kBtu/hr	

HOT WATER SYSTEM							
✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	0.93	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM							
✓	FSEC	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
	Cert #						
✓	None	None			ft²		

## DUCTS

✓	#	Location	---- Supply ---- R-Value	Area	Location	---- Return ---- Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
	1	Attic	6	120 ft²	Attic	10 ft²	Default Leakage	Garage				

## TEMPERATURES

Programable Thermostat: N				Ceiling Fans:									
Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec	
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec	
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec	
Thermostat Schedule: HERS 2006 Reference				Hours									
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Cooling (WEH)	AM PM	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78	78 78
Heating (WD)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68
Heating (WEH)	AM PM	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68	68 68



## Code Compliance Checklist

### Residential Whole Building Performance Method A - Details

ADDRESS: Lake Jeffery Rd.  
 , FL,

PERMIT #:

#### INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.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	N1106.AB.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	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to 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	N1106.AB.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 with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

#### OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	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%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	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 INDEX\* = 81

The lower the EnergyPerformance Index, the more efficient the home.

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Frame - Wood, Exterior	R=13.0	907.33 ft <sup>2</sup>
3. Number of units, if multiple family	1		b. Frame - Wood, Adjacent	R=13.0	240.00 ft <sup>2</sup>
4. Number of Bedrooms	3		c. N/A	R=	ft <sup>2</sup>
5. Is this a worst case?	Yes		d. N/A	R=	ft <sup>2</sup>
6. Conditioned floor area (ft <sup>2</sup> )	1286		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1286.00 ft <sup>2</sup>
a. U-Factor:	Dbl, U=0.32	166.00 ft <sup>2</sup>	b. N/A	R=	ft <sup>2</sup>
SHGC:	SHGC=0.30		c. N/A	R=	ft <sup>2</sup>
b. U-Factor:	N/A	ft <sup>2</sup>	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 120 ft <sup>2</sup>		
c. U-Factor:	N/A	ft <sup>2</sup>	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 23 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft <sup>2</sup>	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 23 kBtu/hr	HSPF: 7.8
e. U-Factor:	N/A	ft <sup>2</sup>	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.93
8. Floor Types	Insulation	Area	b. Conservation features		
a. Slab-On-Grade Edge Insulation	R=0.0	1286.00 ft <sup>2</sup>	None		
b. N/A	R=	ft <sup>2</sup>	15. Credits		None
c. N/A	R=	ft <sup>2</sup>			

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) in this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Address of New Home: \_\_\_\_\_ City/FL Zip: \_\_\_\_\_



\*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for 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 [energygauge.com](http://energygauge.com) 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.

\*\*Label required by Section 13-104.4.5 of the Florida Building Code, Building, or Section B2.1.1 of Appendix G of the Florida Building Code, Residential, if not DEFAULT.

# ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844  
Florida Engineering Certificate of Authorization Number: 0 278  
Florida Certificate of Product Approval # FL1999  
Page 1 of 1 Document ID: ITRD8228Z0104090842

Truss Fabricator: Anderson Truss Company  
Job Identification: 9-104--OWNER BUILDER Jay Milton -- , \*\*  
Truss Count: 7  
Model Code: Florida Building Code 2007 and 2009 Supplement  
Truss Criteria: FBC2007Res/TPI-2002(STD)  
Engineering Software: Alpine Software, Version 8.07.  
Structural Engineer of Record: The identity of the structural EOR did not exist as of  
Address: the seal date per section 61G15-31.003(5a) of the FAC  
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration  
Floor - N/A  
Wind - 110 MPH ASCE 7-05 -Closed

## Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: BRCLBSUB-A140GC020109-A140GS020109-A1101505-GBLLETIN-



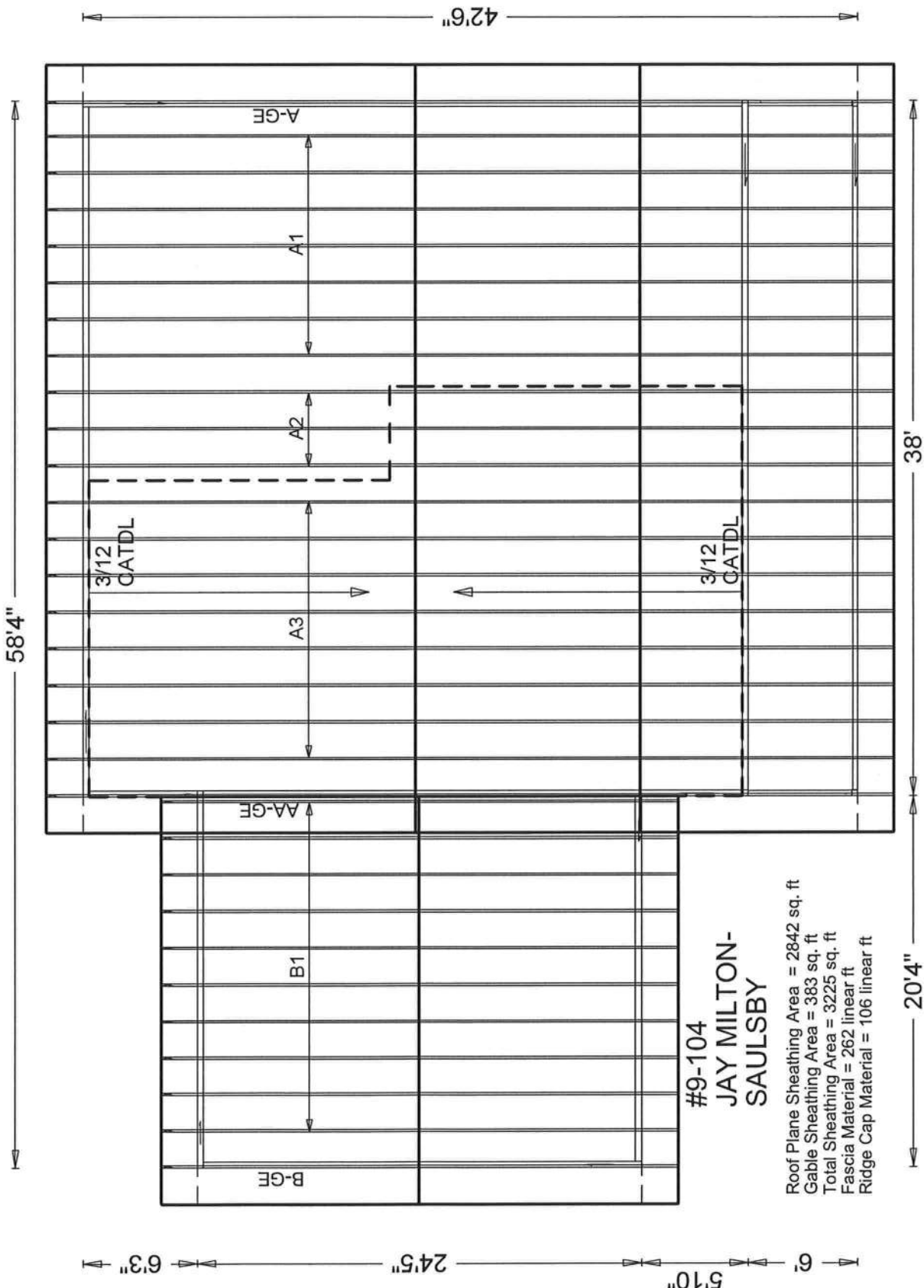
Seal Date: 05/04/2009

-Truss Design Engineer-  
James F. Collins Jr.  
Florida License Number: S2212  
1950 Marley Drive  
Haines City, FL 33844

#	Ref	Description	Drawing#	Date
1	37556--A1		09124002	05/04/09
2	37557--A2		09124003	05/04/09
3	37558--A3		09124004	05/04/09
4	37559--A-GE		09124005	05/04/09
5	37560--AA-GE		09124006	05/04/09
6	37561--B1		09124001	05/04/09
7	37562--B-GE		09124007	05/04/09







#9-104  
JAY MILTON-  
SAULSBY

Roof Plane Sheathing Area = 2842 sq. ft  
Gable Sheathing Area = 383 sq. ft  
Total Sheathing Area = 3225 sq. ft  
Fascia Material = 262 linear ft  
Ridge Cap Material = 106 linear ft

JOB DESCRIPTION: OWNER BUILDER  
/ Jay Milton

JOB NO:  
9-104

PAGE NO:  
1 OF 1

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Roof overhang supports 2.00 psf soffit load.

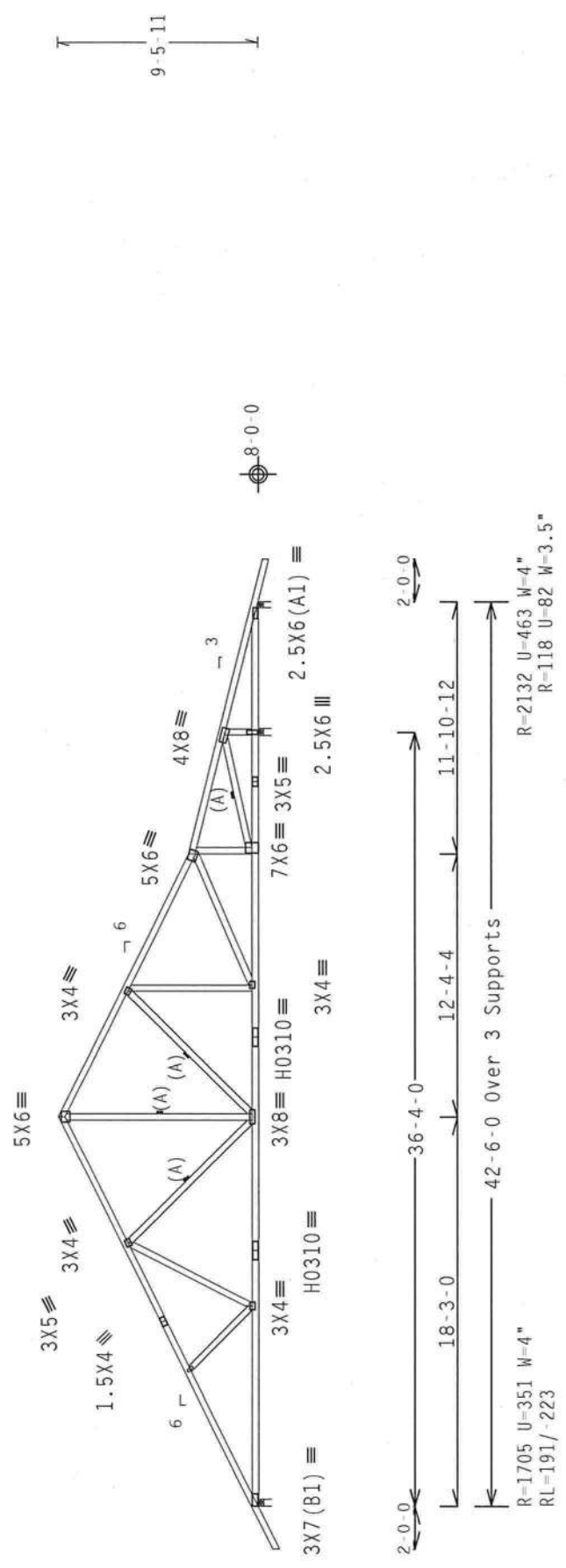
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.



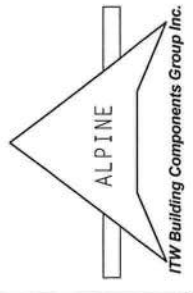
PLT TYP. 20 Gauge HS.Wave  
Design Crit: FBC2007Res/TPI-2002 (STD)  
FT/RT=20% (0%) / 0 (0)

QTY: 7  
FL / - / 4 / - / - / R / -  
Scale = .125" / Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BEG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIAA) AND TPI. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 150A-2, 150B-2, 150C-2, 150D-2, 150E-2, 150F-2, 150G-2, 150H-2, 150I-2, 150J-2, 150K-2, 150L-2, 150M-2, 150N-2, 150O-2, 150P-2, 150Q-2, 150R-2, 150S-2, 150T-2, 150U-2, 150V-2, 150W-2, 150X-2, 150Y-2, 150Z-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT.

TC LL	20.0 PSF	REF	R8228- 37556
TC DL	10.0 PSF	DATE	05/04/09
BC DL	10.0 PSF	DRW	HCUSR8228 09124002
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN-	10106
DUR.FAC.	1.25	FROM	AH



Negative reaction(s) of -314# MAX. (See below) from a non-wind load case requires uplift connection.

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W13 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

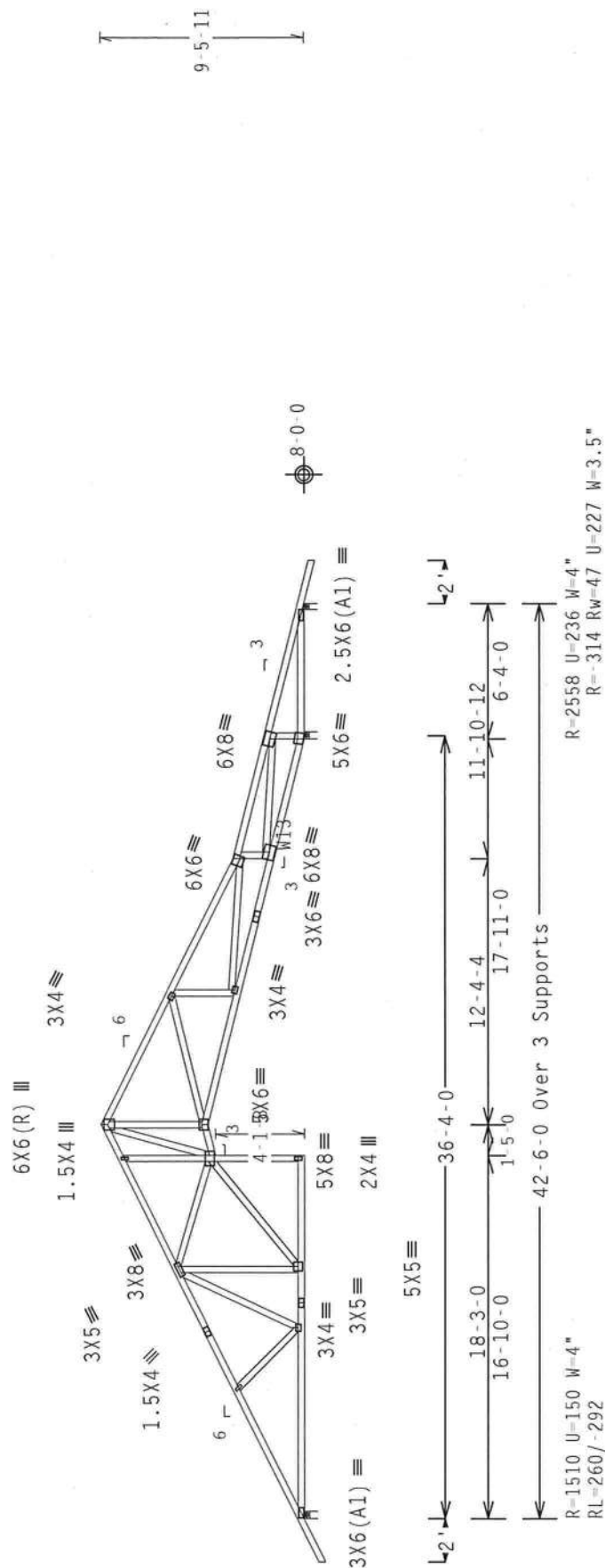
Calculated horizontal deflection is 0.15" due to live load and 0.15" due to dead load.

Bottom chord checked for 10.00 psf non-concurrent live load.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART\_ENC. bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 Gcpi(+/-)=0.55

Wind reactions based on MNFRS pressures.

Deflection meets L/240 live and L/180 total load.

Design Crit: FBC2007Res/TPI -2002 (STD)  
FT/RT=20% (0%) / 0 (0)

PLT TYP. Wave

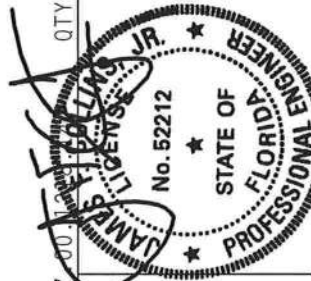
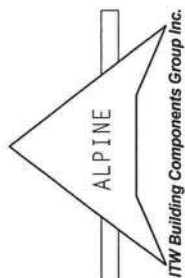
700

QTY:3 FL/-/4/-/-/R/-

$$\text{Scale} = .125"/\text{Ft.}$$

**\*WARNING\*** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND PRACICING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 718 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, WAUKEGON, WI 53191, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

**IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE THROSS IN COMPLIANCE WITH THE TYPE OF FABRICATING AND/OR SHIPPING. INSTALLING A BRACING OF STEEL, BY AIR (A) AND TPI. 1TH BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIR (A) AND TPI). 1TH BCG CONNECTOR PLATES ARE MADE OF 20/18/TIGER (H/VS/SL) ASTM A563 GRAD. 40/60 (H/VS/SL) GALV. STEEL. APPLY PLATES TO EACH FACE OF THROSS, OR UNDER/ OVERSIDE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THE DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE THROSS COMPONENT. DRAGGING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE THROSS COMPONENT. DRAGGING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE THROSS COMPONENT.



TC LL	20.0	PSF	REF R8228- 37557
TC DL	10.0	PSF	DATE 05/04/09
BC DL	10.0	PSF	DRW HCUR8228 09124003
BC LL	0.0	PSF	HC-ENG DLJ/DLJ
TOT.LD.	40.0	PSF	SEQN - 21784
DUR.FAC.	1.25		FROM AH



Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

Calculated horizontal deflection is 0.23" due to live load and 0.23" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load.

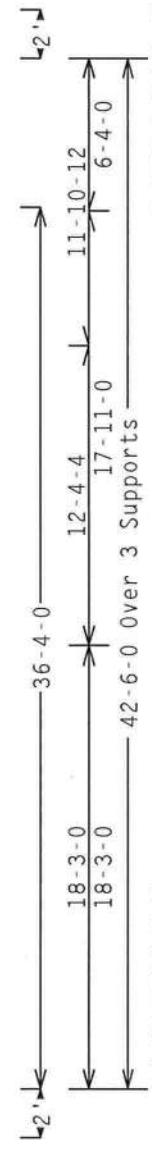
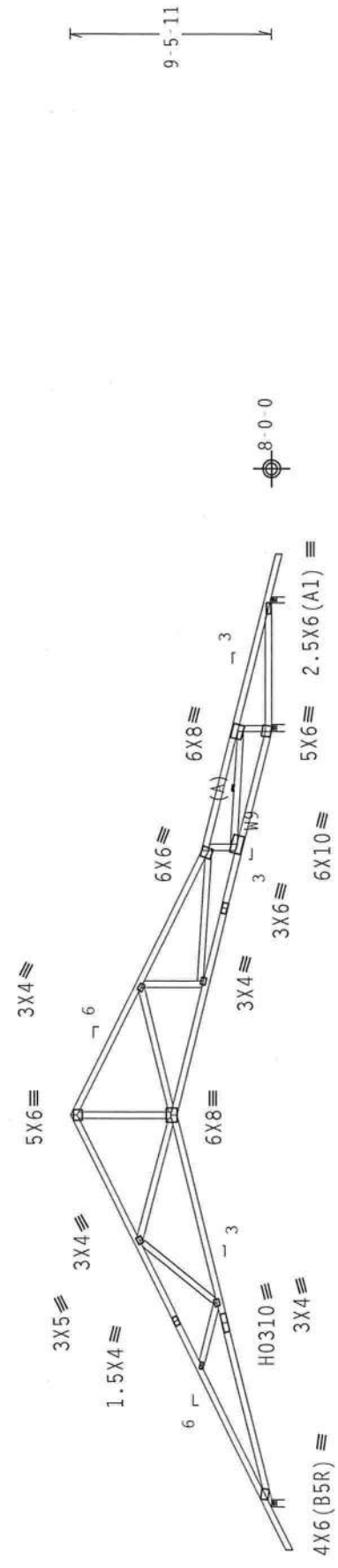
Negative reaction(s) of -425# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg. Located anywhere in roof, CAT II, Exp B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.  $I_w=1.00$   $G_{CPI}(+/-)=0.55$

Wind reactions based on MWFRS pressures.

Bottom chord checked for 10.00 psf non-concurrent live load.

Shim all supports to solid bearing.



R-2691 U=581 W=4"  
R=-426 Rw=75 U=262 W=3.5"

Design Crit: FBC2007Res/TPI-2002(STD)  
FT/RT=20%(0%)/0(0)

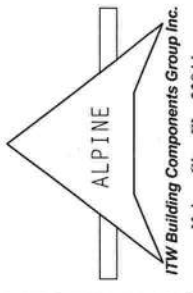
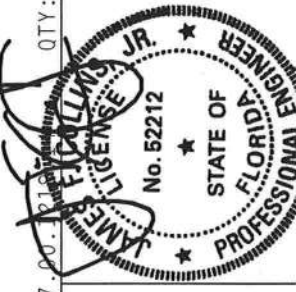
PLT TYP. 20 Gauge HS.Wave

Scale = .125" / Ft.

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

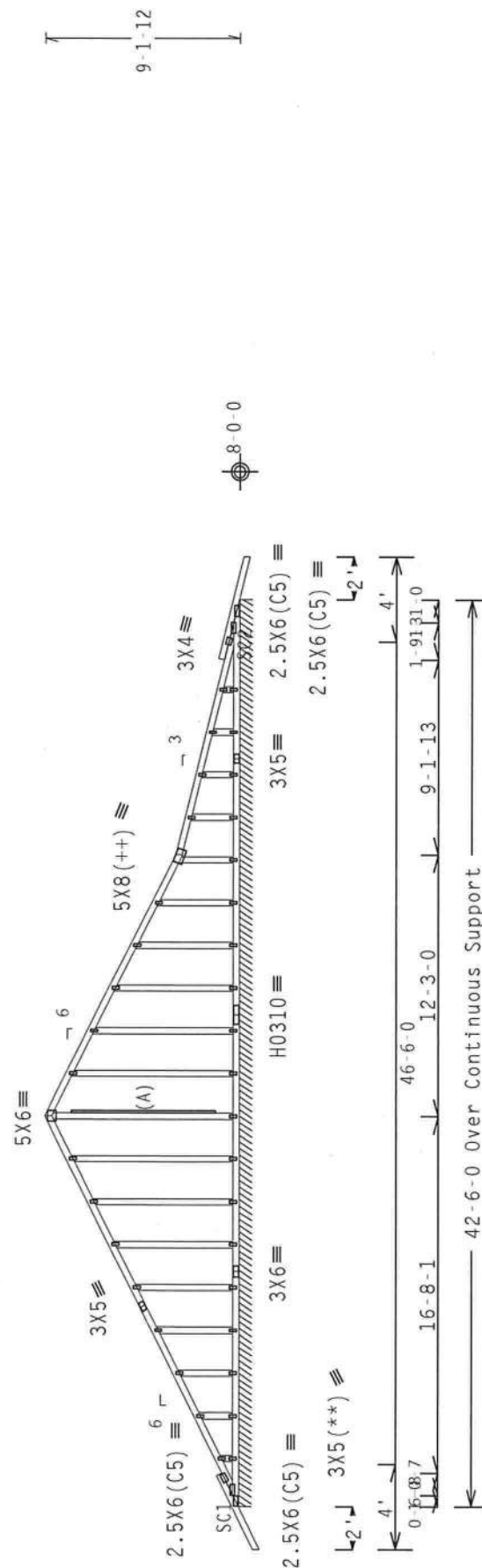
**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE TRUSS SHALL BE DESIGNED TO MEET THE REQUIREMENTS OF THE NATIONAL DESIGN SPEC. FOR STEEL TRUSSES, PART 1, 1TH EDITION, 1989. CORROSION RESISTANT PLATES ARE MADE OF 2018/1666 IN/US/281 ASH 6053 GRADE 40/60 (4, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.

TC LL	20.0 PSF	REF	R8228- 37558
TC DL	10.0 PSF	DATE	05/04/09
BC DL	10.0 PSF	DRW	HCUSR8228 09124004
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN-	10130
DUR.FAC.	1.25	FROM	AH



- (++) - This plate works for both joints covered.
- (\*\*) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
- Wind reactions based on MMFRS pressures.
- Roof overhang supports 2.00 psf soffit load.
- (A) 1x4 #3SRB SPF-S or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
- Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.
- Deflection meets L/240 live and L/180 total load.

Bottom chord checked for 10.00 psf non-concurrent live load.



R=188 PLF U=19 PLF W=42-6-0  
RL=5/-5 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)  
FT/RT=20%(0%)/0(0)

PLT TYP. 20 Gauge HS. Wave

**WARNING:** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND TRACING. NORTH BEES, INC. PROVIDES THE INFORMATION, PUBLISHED BY THE CROSS PLATE INSTITUTE, 210 NORTH ELM STREET, CHICAGO, ILL. 60604, M. A. CROSBY, INC., 532719, TOP SAFETY PRACTICES USED TO PERFORM THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEEING.

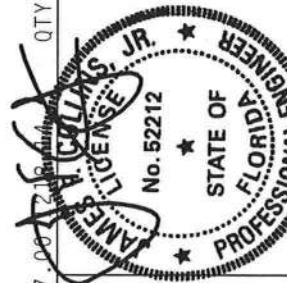
**\*\*\*IMPORTANT\*\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO OR DESTRUCTION OF THE THRUSS IN COMPLIANCE WITH THE TYPICAL FABRICATING, WELDING, SHUPLING, OR TRACING OF RUSSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA) AND TPI.

CONNECTOR PLATES ARE MADE OF 201/18/166A (W-J/MS5) ASTM A563 GRADE 40/60 (W/J/MS5) GALV. STEEL. APPLY PLATES TO EACH PAIR OF THRUSS AND, OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3.

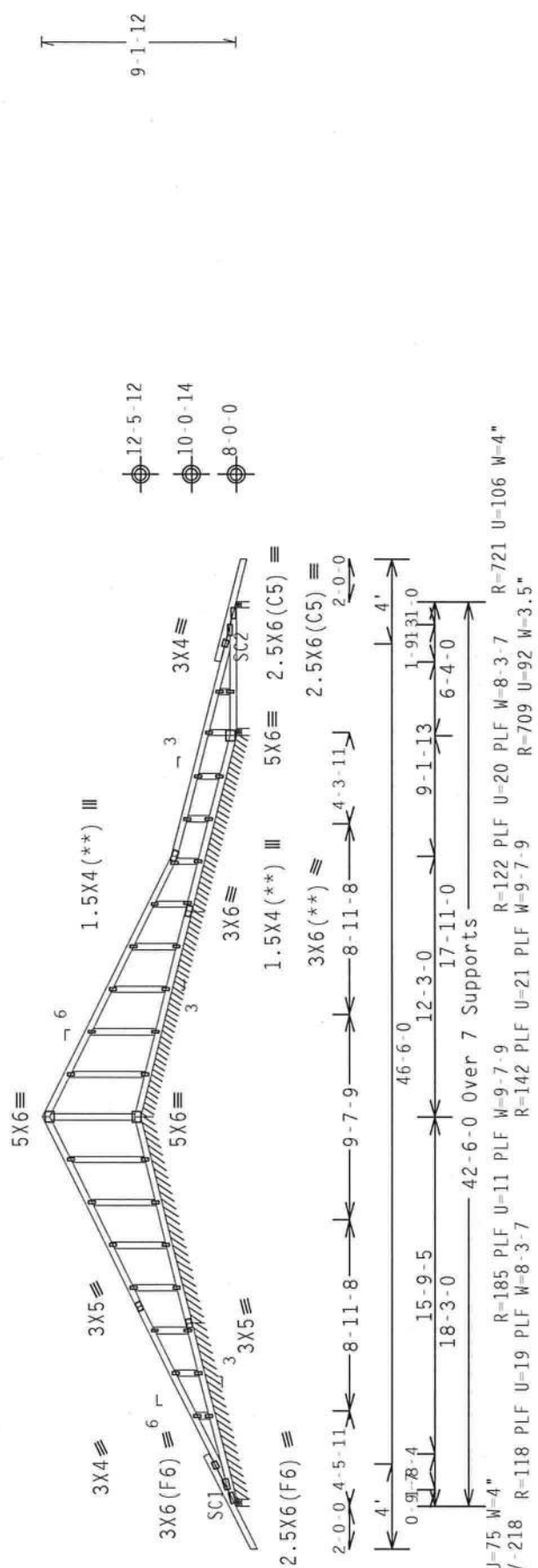
THIS DESIGN CALLS FOR THE USE OF 1/2" THICK PLATES. THE THRUSS COMPONENT OF THIS DESIGN SHOLD BE CONSIDERED A NON-REMOVABLE BUILDING MEMBER. THE THRUSS COMPONENT OF THIS DESIGN SHOLD BE CONSIDERED A NON-REMOVABLE BUILDING MEMBER.



FL/-/4/-/-/R/-		Scale = .125" / Ft.
TC LL	20.0 PSF	REF R8228- 37559
TC DL	10.0 PSF	DATE 05/04/09
BC DL	10.0 PSF	DRW HCUR8228 09124005
BC LL	0.0 PSF	HC-ENG DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN- 10204
DUR.FAC.	1.25	FROM AH

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:  
Roof overhang supports 2.00 psf soffit load.  
Stacked top chord must NOT be notched or cut in area (NUL). Attach  
tie-plates 24" o.c. Center plate on stacked/dropped chord interface,  
plate length perpendicular to chord length. Splice top chord in  
notchable area using 3x6.  
Shim all supports to solid bearing.  
See DWGS A140G020109 & A140G020109 for more requirements.

(\*\*) 3 plate(s) require special positioning. Refer to scaled plate  
plot details for special positioning requirements.  
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART-ENC. bldg. Located  
anywhere in roof, CAT II, Exp B, wind TC DL-5.0 psf, wind BC DL-5.0  
psf.  $I_w=1.00$   $G_{CPI}(+/-)=0.55$   
Wind reactions based on MWFRS pressures.  
Bottom chord checked for 10.00 psf non-concurrent live load.  
Deflection meets L/240 live and L/180 total load.



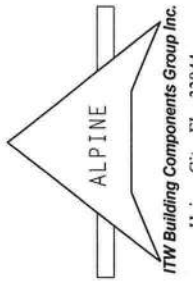
R=569 U-75 W-4"  
RL-187/-218 R=118 PLF U-19 PLF W-8-3-7  
R=185 PLF U-11 PLF W-9-7-9  
R=142 PLF U-21 PLF W-9-7-9  
R=122 PLF U-20 PLF W-8-3-7 R=721 U-106 W-4"  
R=709 U-92 W-3.5"

Note: All Plates Are 1.5X4 Except As Shown.  
Design Crit: FBC2007Res/TPI-2002 (STD)  
FT/RT=20%(0%) / 0 (0)  
8.07.00 QTY: 1 FL / - 4 / - / R / - Scale = .125" / Ft.

PLT TYP. Wave	TC LL	20.0 PSF	REF	R8228- 37560
	TC DL	10.0 PSF	DATE	05/04/09
	BC DL	10.0 PSF	DRW	HCUSR8228 09124006
	BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
	TOT.LD.	40.0 PSF	SEQN-	21818
	DUR.FAC.	1.25	FROM	AH

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSJ (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND MGA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/10/16GA (44/55/57) ASTM A653 GRADE 40/60 (44, 55, 57) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABX 3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN.





Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCPI (+/-)=0.18

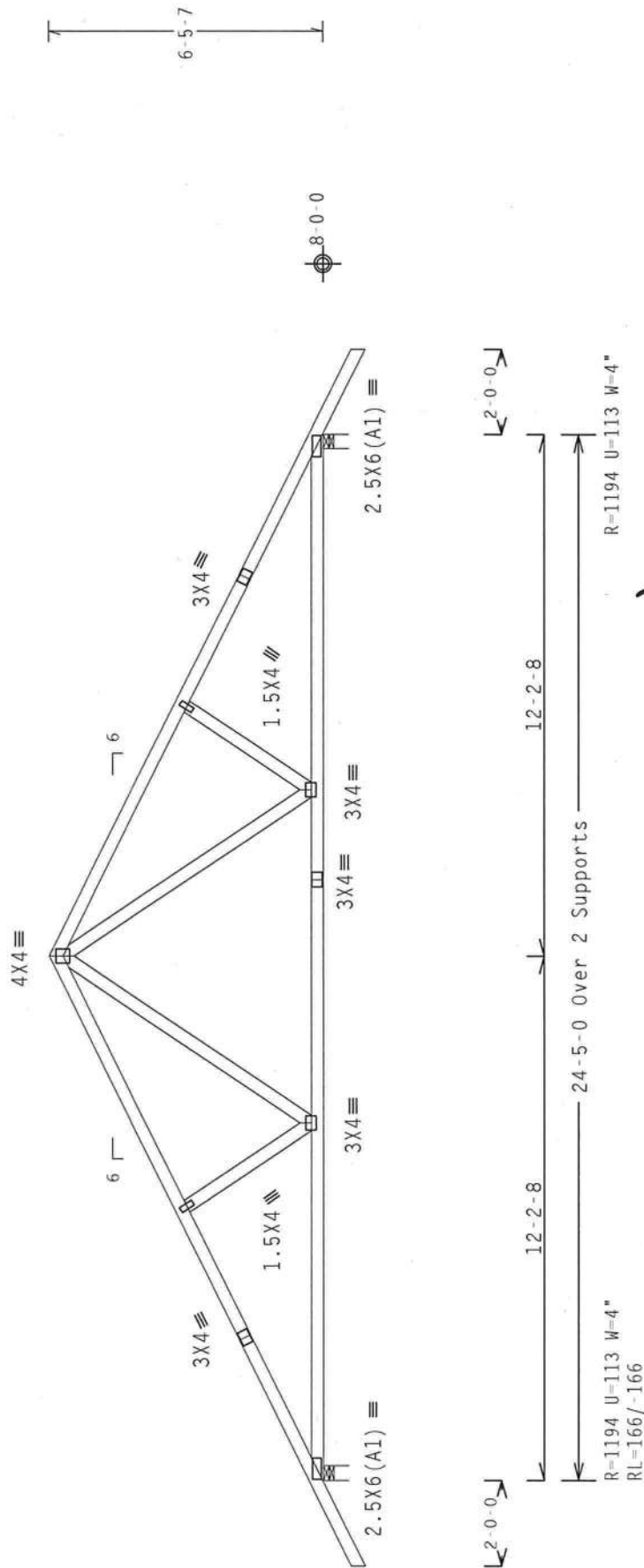
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

Bottom chord checked for 10.00 psf non-concurrent live load.

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

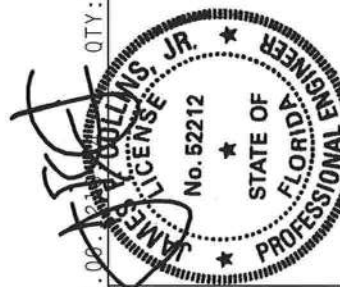
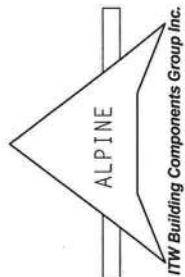
Design Crit:  $\text{FBC2007Res/TPI-2002(STD)}$   
 $\text{FT/RT}=20\%(0\%)/0(0)$ ~~8.07.08:~~

QTY:10 FL/-/4/-/-/R/-

Scale = .25"/Ft.

**WARNING:** THUSSES REQUIRE EXPERT CARL IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESC (BUILDING COMPONENT SAFETY INFORMATION), HANDLING BY TPI (TRUSS PLATE INSTITUTE), 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND A WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, AL 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

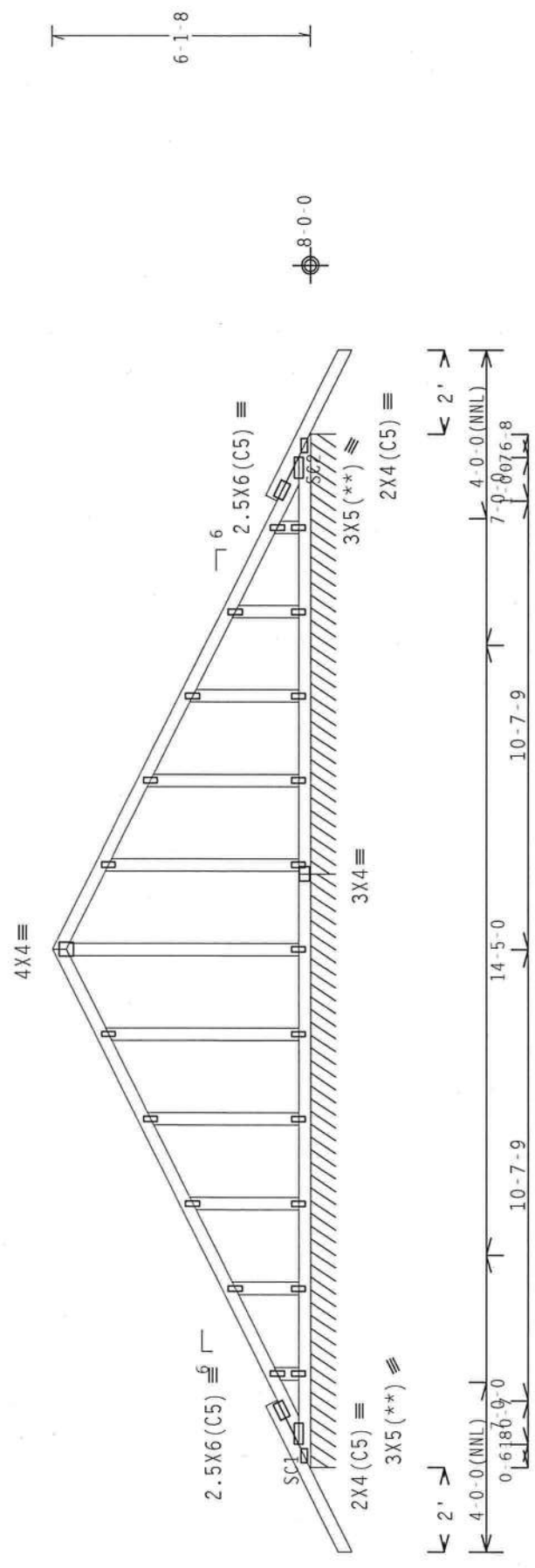
**\*\* IMPORTANT \*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITU REGG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY ACPA AND TPI. ITU REGG CONNECTOR PLATES ARE MADE OF 20/30/16GA (W/MS/MS) ASTM A563 GRADE 40/460 (C, K/H/55) GALV. STEEL. ALLOWED PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMPS AC OF 1/11/2002 REC-3. A SEAL ON THIS DRAWING INDICATES A RECOMMENDED LOCATION FOR THE SEAL. THE SEAL SHALL BE THE PROPERTY OF ITU REGG, INC. THE SEALER SHALL BE RESPONSIBLE FOR THE SEALING OF THE TRUSS. THE SEALING OF THE TRUSS SHALL BE THE PROPERTY OF ITU REGG, INC. THE SEALER SHALL BE RESPONSIBLE FOR THE SEALING OF THE TRUSS.



TC LL	20.0 PSF	REF R8228- 37561
TC DL	10.0 PSF	DATE 05/04/09
BC DL	10.0 PSF	DRW HCUR8228 09124001
BC LL	0.0 PSF	HC-ENG DLJ/DLJ *
TOT.LD.	40.0 PSF	SEQN- 10271
DUR.FAC.	1.25	FROM AH

Top chord 2x4 SP #2 Dense  
Bot chord 2x4 SP #2 Dense  
Webs 2x4 SP #3  
:Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:  
Roof overhang supports 2.00 psf soffit load.  
Gable end supports 8" max rake overhang.  
See DWGS A11015050109 & GBLLETIN0109 for more requirements.  
Truss passed check for 20 psf additional bottom chord live load in areas with 42'-high x 24"-wide clearance.  
Bottom chord checked for 10.00 psf non-concurrent live load.

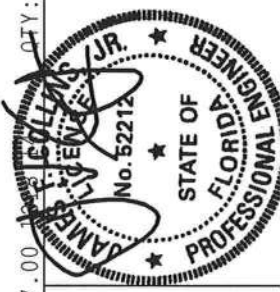
(\*\*) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.  
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.  $I_w=1.00$   $G_{CPI}(+/-)=-0.18$   
Wind reactions based on MWFRS pressures.  
Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in noticable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in noticable area using 3x6.  
Deflection meets L/240 live and L/180 total load.



R=178 PLF U-5 PLF W=14-0-0  
RL=12/-12 PLF  
R=203 PLF U=14 PLF W=10-5-0

Note: All Plates Are 1.5X4 Except As Shown.  
Design Crit: FBC2007Res/TPI-2002 (STD)  
FT/RT=20% (0%)/0 (0)

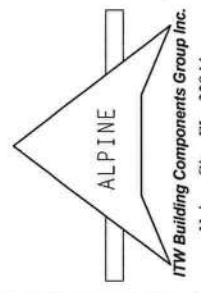
Scale = .25" / Ft.



TC LL	20.0 PSF	REF	R8228 - 37562
TC DL	10.0 PSF	DATE	05/04/09
BC DL	10.0 PSF	DRW	HCUSR8228 09124007
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN-	10269
DUR.FAC.	1.25	FROM	AH

**\*\*WARNING\*\*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MOULDSBORO, OH, 43041) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED FOR CHORDS, ALL TRUSS MEMBERS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

**\*\*IMPORTANT\*\*** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR THE TRUSS IN COMPLIANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. 1TH REG. CONNECTOR PLATES ARE MADE OF 2018/710GA (W/US/SS) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2, 3. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNER.



THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLCB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(\*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.



**MTW**  
Building Components Group Inc.

Earth City, MO 63045

**\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET**

Truck-mounted, quick coupling, installing and bracing. Refer to and follow the instructions for the truck-mounted, quick coupling system as provided by the manufacturer.

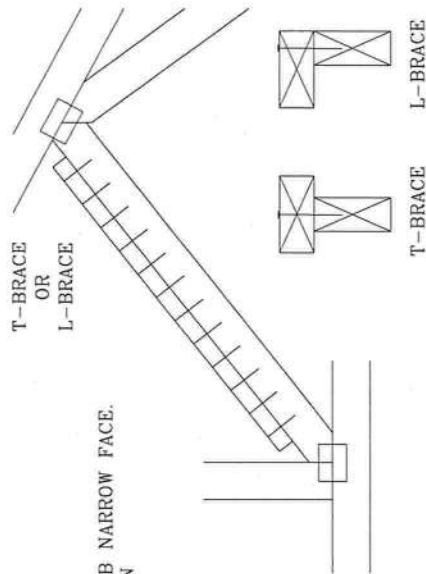
BGCSI Building Components Safety Information by TRF and BGCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BGSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid diaphragm. Locations shown for permanent lateral restraint of webs shall have bracing installed per BGSI sections E3 & B7. See this job's general notes page for more information.

**IMPORTANT\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.** ICC will not be responsible for any deviation from this design. ICC will not be responsible for any failure to build the truss in conformance with TPI, or fabricating, handling, installing & bracing of trusses. ITWBCG connector plates are made of 2018/18CGA (WH/S/K) ASTM A653 grade 37/40/40 (WH/S/K) ASTM A578 grade 50/50 (WH/S/K) galv steel. Apply plates to each face of truss, positioned as above and on Joint Details. A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss for the purpose of the Building Design per ANSI/TPI-1 Section 2. The use of this component for any building is the responsibility of the Building Designer per ANSI/TPI-1 Section 2. ICC, www.iccinfo.org  
TPI, www.tpi.net  
ITWBCG, www.itwbcg.com  
TPI, www.tpi.net  
ICC, www.iccinfo.org

T-BRACING  
OR  
L-BRACING:

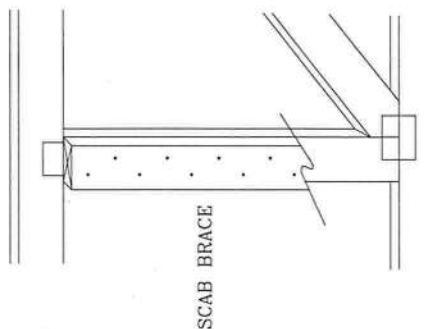
APPLY TO EITHER SIDE OF WEB NARROW FACE.  
ATTACH WITH 10d BOX OR GUN  
(0.128" x 3. "MIN) NAILS.  
AT 6" O.C.

BRACE IS A  
MINIMUM 80% OF WEB  
MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB.  
NO MORE THAN (1) SCAB PER FACE.  
ATTACH WITH 10d BOX OR GUN  
(0.128" x 3", MIN) NAILS.  
AT 6" O.C.  
BRACE IS A MINIMUM  
80% OF WEB MEMBER LENGTH



PSF	REF	CLB SUBST.
PSF	DATE	1/1/09
PSF	DRWG	BRCLESUB01

TOT. LD.	PSF
DUR. FAC.	
SPACING	



2x4 GABLE VERTICAL SPACING		BRACE		NO BRACES	(1) 1x4 "L" BRACE •												(1) 2x4 "L" BRACE •				(2) 2x4 "L" BRACE ••				(1) 2x6 "L" BRACE •				(2) 2x6 "L" BRACE •			
		GRADE			GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B		GROUP A		GROUP B	
		SPECIES	#1 / #2		3' 10"	3' 9"	3' 9"	6' 0"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
24" O.C.	SPF	#3	STUD	STANDARD	#1	4' 3"	4' 2"	4' 0"	6' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	HF				#2	4' 3"	6' 8"	7' 2"	7' 11"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	SP				#3	4' 0"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	DFL				STUD	3' 10"	5' 3"	5' 3"	6' 11"	8' 0"	9' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STANDARD				#1 / #2	4' 5"	7' 8"	7' 10"	9' 1"	9' 4"	10' 10"	11' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	SPF				#3	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	HF				STUD	4' 4"	7' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STANDARD				#1	4' 10"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	SP				#2	4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
	DFL				#3	4' 6"	7' 7"	7' 7"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
16" O.C.	STUD				STUD	4' 6"	7' 6"	7' 6"	9' 1"	9' 6"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
	STANDARD				#1 / #2	4' 5"	6' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	SPF				#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	HF				#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STUD				STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STANDARD				#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	SP				#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	DFL				#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STUD				STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	12" O.C.	STANDARD				STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
SPF					#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
HF					#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
STUD					STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
STANDARD					#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
SP					#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
DFL					#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
STUD					STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
STANDARD					STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
12" O.C.		STANDARD				STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
	SPF				#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	HF				#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STUD				STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STANDARD				#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	SP				#2	5' 3"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	DFL				#3	5' 0"	8' 5"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STUD				STUD	5' 0"	8' 5"	8' 7"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	STANDARD				STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
	12" O.C.	STANDARD				STANDARD	4' 11"	7' 5"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	
SPF					#1 / #2	4' 11"	8' 5"	8' 8"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
HF					#3	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
STUD					STUD	4' 9"	8' 5"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
STANDARD					#1	5' 4"	8' 5"	9' 1"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"		
SP					#2																											

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

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

CABLE END SUPPORTS LOAD FROM 4' 0"

OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.  
(0.128"x3" min)

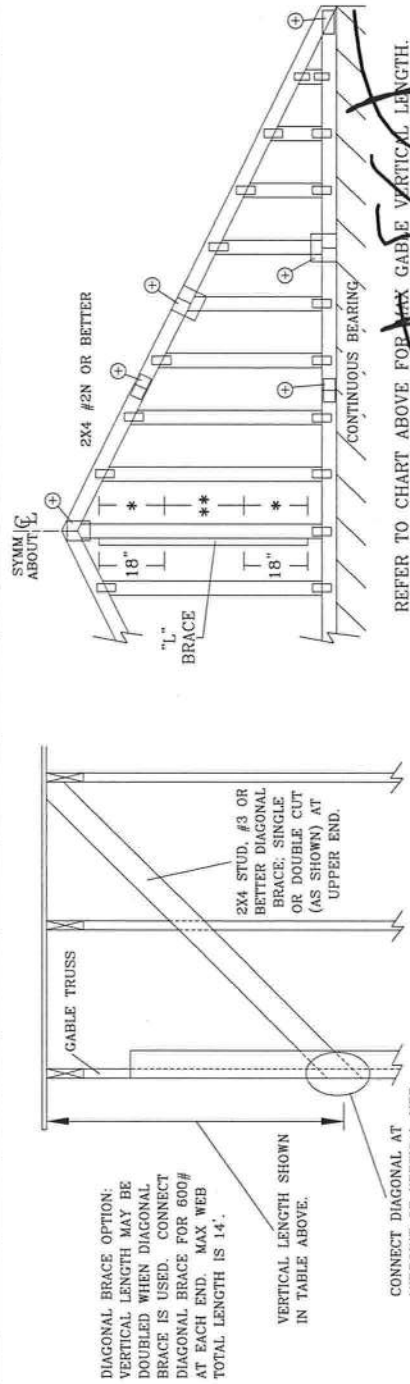
\* FOR (1) "L" BRACE: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.  
 \*\* FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C.  
 IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

CABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4

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



REFER TO CHART ABOVE FOR ~~MAX~~ GABLE VERTICAL LENGTH.

**\*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET**

Trusses require extreme care in fabricating, handling, shipping and erecting. Truss erection shall follow the manufacturer's BCSI (Building Component Safety Information, by TPI) and all applicable codes. Installers shall provide temporary bracing as required. Trusses shall have properly attached structural panels and bottom chords. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions.

ceiling. Locations shown for permanent lateral restraint sections BG & BF. See this job's general notes page for

\*\*\*IMPORTANT\*\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.  
ITW Building Components Group Inc. (TWBCG) shall not be responsible for any deviation from this design.  
any failure to build the truss in conformance with TPI, or fabricating, handling, installing &  
bracing of trusses. TWBCG connector plates are made of 20/18/16GA (W/H/S/K) ASTM A653 grade 37/40  
(K/W/H/S/K) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.  
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely  
for the truss component design shown. The suitability and use of this component for any building is the  
responsibility of the building designer.  
TPI - TWBCG - www.tpi.com, TPI - TWBCG - www.abcdindustry.com; ICC - www.iccsafe.org  
TPI - TWBCG - www.tpi.com, TPI - TWBCG - www.abcdindustry.com; ICC - www.iccsafe.org

REF	ASCE7-05-GABI1015
DATE	1/1/09
DRWG	A11015050109

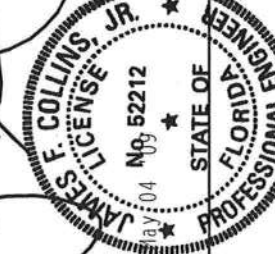
MAX. TOT. LD. 60 PSF

MAX. SPACING	24.0"
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**Building Components Group Inc.**

Earth City, MO 63045



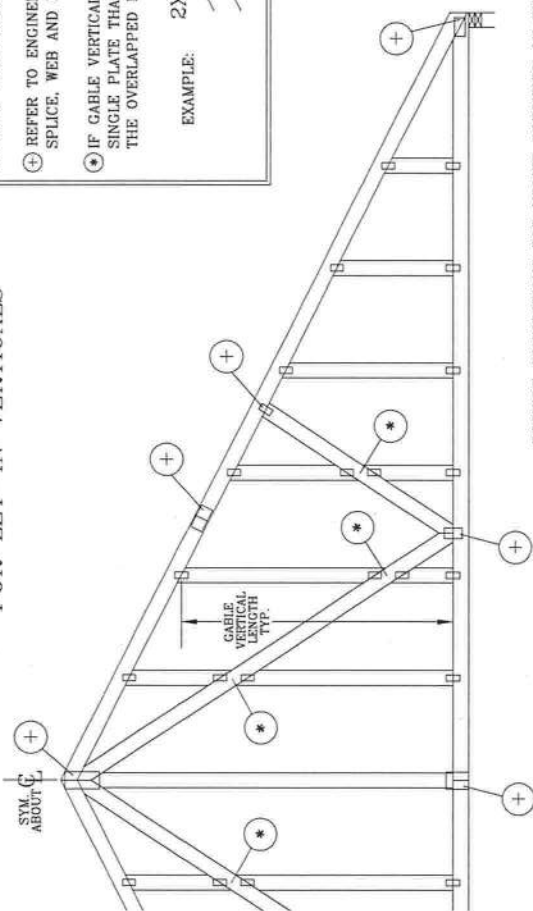
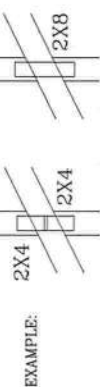
# GABLE DETAIL FOR LET-IN VERTICALS

## GABLE TRUSS PLATE SIZES

REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

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

⊙ IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE THAT COVERS THE TOTAL AREA OF THE OVERLAPPED PLATES TO SPAN THE WEB.



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH

END DRIVEN NAILS:

10d COMMON (0.148" X 3.125") NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAILED NAILS:

10d COMMON (0.148" X 3.125") TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ITW GABLE DETAIL FOR ASCE

WIND LOAD.

ASCE 7-98 GABLE DETAIL DRAWINGS

AI3015980109, AI2015980109, AI1015980109, AI0015980109,

AI3030980109, AI2030980109, AI1030980109, AI0030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

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AI3030020109, AI2030020109, AI1030020109, AI0030020109

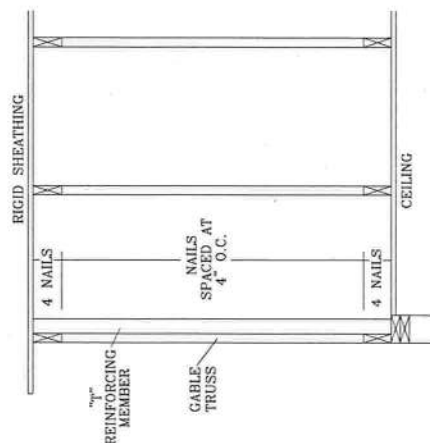
ASCE 7-05 GABLE DETAIL DRAWINGS

AI3015050109, AI2015050109, AI1015050109, AI0015050109, AI4030050109

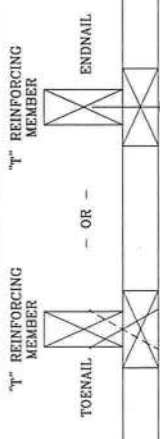
AI3030050109, AI2030050109, AI1030050109, AI0030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM

UNREINFORCED GABLE VERTICAL LENGTH.



## "T" REINFORCEMENT ATTACHMENT DETAIL



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" INCREASE BY LENGTH (BASED ON APPROPRIATE ITW GABLE DETAIL).

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

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	"T" INCREASE
140 MPH	2x4	10 %
15 FT	2x6	50 %
140 MPH	2x4	10 %
30 FT	2x6	50 %
130 MPH	2x4	10 %
15 FT	2x6	50 %
130 MPH	2x4	10 %
30 FT	2x6	50 %
120 MPH	2x4	10 %
15 FT	2x6	50 %
120 MPH	2x4	10 %
30 FT	2x6	40 %
110 MPH	2x4	10 %
15 FT	2x6	40 %
110 MPH	2x4	10 %
30 FT	2x6	50 %
100 MPH	2x4	20 %
15 FT	2x6	30 %
100 MPH	2x4	10 %
30 FT	2x6	40 %
90 MPH	2x4	20 %
15 FT	2x6	20 %
90 MPH	2x4	20 %
30 FT	2x6	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH  
 MEAN ROOF HEIGHT = 30 FT. Kzt = 1.00  
 GABLE VERTICAL = 24' O.C. SP #3  
 "T" REINFORCING MEMBER SIZE = 2X4  
 "T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10  
 (1) 2X4 "L" BRACE LENGTH = 6' 7"  
 MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH  
 1.10 x 6' 7" = 7' 3"

**WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS SHEET**  
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety) information, by TPI and WTC. For safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have property attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B5 & B7. See this job's general notes page for more information.

**IMPORTANT\*\* FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.**  
 ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 5016/16GA (W1/S/K) ASTM A583 grade 37/40/60 (K=60/60) steel. Apply plates to trusses per the ITWBCG design and on-site inspection. ITWBCG shall not be responsible for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANST/TPI 1 Sec. 2.

ITW-BGC: www.itwbcg.com; TPI: www.tpinet.com; WTC: www.abcdindustry.com; ICC: www.iccsafe.org



Earth City, MO 63045

REF	LET-IN VERT
DATE	1/1/09
DRWG	GBLETTN0109

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

**JAMES F. COLLINS, JR.**  
 LICENSE No. 52212  
 ME 04 '09  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEER

# Residential System Sizing Calculation

## Summary

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

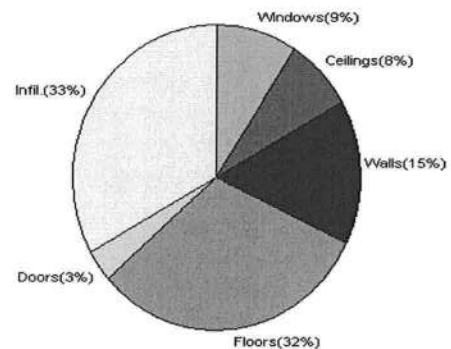
5/5/2009

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
<b>Total heating load calculation</b>	<b>19895 Btuh</b>	<b>Total cooling load calculation</b>	<b>17615 Btuh</b>
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	115.6 23000	Sensible (SHR = 0.75)	129.3 17250
Heat Pump + Auxiliary(0.0kW)	115.6 23000	Latent	134.6 5750
		Total (Electric Heat Pump)	130.6 23000

## WINTER CALCULATIONS

Winter Heating Load (for 1286 sqft)

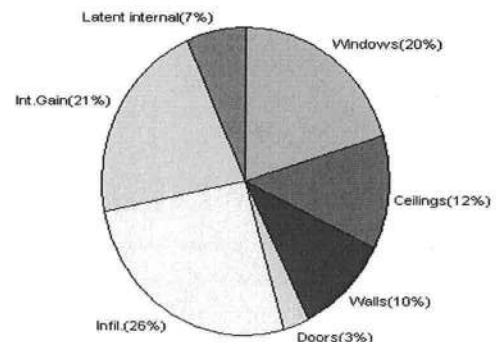
Load component		Load	
Window total	166 sqft	1843	Btuh
Wall total	936 sqft	3074	Btuh
Door total	50 sqft	648	Btuh
Ceiling total	1286 sqft	1515	Btuh
Floor total	144 sqft	6287	Btuh
Infiltration	161 cfm	6529	Btuh
Duct loss		0	Btuh
<b>Subtotal</b>		<b>19895</b>	<b>Btuh</b>
Ventilation	0 cfm	0	Btuh
<b>TOTAL HEAT LOSS</b>		<b>19895</b>	<b>Btuh</b>



## SUMMER CALCULATIONS

Summer Cooling Load (for 1286 sqft)

Load component		Load	
Window total	166 sqft	3555	Btuh
Wall total	936 sqft	1825	Btuh
Door total	50 sqft	490	Btuh
Ceiling total	1286 sqft	2130	Btuh
Floor total		0	Btuh
Infiltration	84 cfm	1564	Btuh
Internal gain		3780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
<b>Total sensible gain</b>		<b>13344</b>	<b>Btuh</b>
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3070	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
<b>Total latent gain</b>		<b>4270</b>	<b>Btuh</b>
<b>TOTAL HEAT GAIN</b>		<b>17615</b>	<b>Btuh</b>



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 5/5/09 EVAN BEANLEY



# System Sizing Calculations - Winter

## Residential Load - Whole House Component Details

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

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

5/5/2009

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=
1	2, SHGC=0.32, Metal, 0.30	NW	60.0		11.1
2	2, SHGC=0.32, Metal, 0.30	NW	6.0		11.1
3	2, SHGC=0.32, Metal, 0.30	NE	30.0		11.1
4	2, SHGC=0.32, Metal, 0.30	SE	60.0		11.1
5	2, SHGC=0.32, Metal, 0.30	SW	10.0		11.1
Window Total			166(sqft)		
Load					
					666 Btuh
					67 Btuh
					333 Btuh
					666 Btuh
					111 Btuh
					1843 Btuh
Walls	Type	R-Value	Area	X	HTM=
1	Frame - Wood - Ext(0.09)	13.0	716		3.3
2	Frame - Wood - Adj(0.09)	13.0	220		3.3
Wall Total			936		
Load					
					2351 Btuh
					722 Btuh
					3074 Btuh
Doors	Type		Area	X	HTM=
1	Insulated - Adjacent		20		12.9
2	Insulated - Exterior		20		12.9
3	Insulated - Exterior		10		12.9
Door Total			50		
Load					
					259 Btuh
					259 Btuh
					130 Btuh
					648Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=
1	Vented Attic/D/Shin)	30.0	1286		1.2
Ceiling Total			1286		
Load					
					1515 Btuh
					1515Btuh
Floors	Type	R-Value	Size	X	HTM=
1	Slab On Grade	0	144.0 ft(p)		43.7
Floor Total			144		
Load					
					6287 Btuh
					6287 Btuh
Zone Envelope Subtotal:					13366 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	10288	161.2	
					6529 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Conditioned) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				19895 Btuh

### WHOLE HOUSE TOTALS

	Subtotal Sensible	19895 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	19895 Btuh

# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear ( )  
(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 )



For Florida residences only

# System Sizing Calculations - Winter

## Residential Load - Room by Room Component Details

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

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

5/5/2009

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, SHGC=0.32, Metal, 0.30	NW	60.0	11.1	666 Btuh
2	2, SHGC=0.32, Metal, 0.30	NW	6.0	11.1	67 Btuh
3	2, SHGC=0.32, Metal, 0.30	NE	30.0	11.1	333 Btuh
4	2, SHGC=0.32, Metal, 0.30	SE	60.0	11.1	666 Btuh
5	2, SHGC=0.32, Metal, 0.30	SW	10.0	11.1	111 Btuh
Window Total			166(sqft)		1843 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	716	3.3	2351 Btuh
2	Frame - Wood - Adj(0.09)	13.0	220	3.3	722 Btuh
Wall Total			936		3074 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Adjacent		20	12.9	259 Btuh
2	Insulated - Exterior		20	12.9	259 Btuh
3	Insulated - Exterior		10	12.9	130 Btuh
Door Total			50		648Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1286	1.2	1515 Btuh
Ceiling Total			1286		1515Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	144.0 ft(p)	43.7	6287 Btuh
Floor Total			144		6287 Btuh
Zone Envelope Subtotal:					13366 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=	
	Natural	0.94	10288	161.2	6529 Btuh
Ductload	Partially sealed, R6.0, Supply(Attic), Return(Conditioned) (DLM of 0.00)				0 Btuh
Zone #1	Sensible Zone Subtotal				19895 Btuh

### WHOLE HOUSE TOTALS

	Subtotal Sensible	19895 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	19895 Btuh



# Manual J Winter Calculations

## Residential Load - Component Details (continued)

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear ( )  
(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 )



For Florida residences only

# System Sizing Calculations - Summer

## Residential Load - Whole House Component Details

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F  
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/5/2009

### Component Loads for Whole House

Window	Type*	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.32, 0.30, None,N,N NW	1.5ft	6ft.	60.0	0.0	60.0	12	27	1603	Btuh
2	2, SHGC=0.32, 0.30, None,N,N NW	1.5ft	4ft.	6.0	0.0	6.0	12	27	160	Btuh
3	2, SHGC=0.32, 0.30, None,N,N NE	0ft.	0ft.	30.0	0.0	30.0	12	27	801	Btuh
4	2, SHGC=0.32, 0.30, None,N,N SE	7.5ft	6ft.	60.0	60.0	0.0	12	28	712	Btuh
5	2, SHGC=0.32, 0.30, None,N,N SW	0ft.	0ft.	10.0	0.0	10.0	12	28	279	Btuh
Window Total				166 (sqft)					3555 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		716.0		2.1		1493 Btuh		
2	Frame - Wood - Adj	13.0/0.09		220.0		1.5		332 Btuh		
Wall Total				936 (sqft)				1825 Btuh		
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Adjacent			20.0		9.8		196 Btuh		
2	Insulated - Exterior			20.0		9.8		196 Btuh		
3	Insulated - Exterior			10.0		9.8		98 Btuh		
Door Total				50 (sqft)				490 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0		1286.0		1.7		2130 Btuh		
Ceiling Total				1286 (sqft)				2130 Btuh		
Floors	Type	R-Value		Size		HTM		Load		
1	Slab On Grade	0.0		144 (ft(p))		0.0		0 Btuh		
Floor Total				144.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:								8000 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural	0.49		10288		84.0		1564 Btuh		
Internal gain	Occupants		Btuh/occupant		Appliance		Load			
	6		X 230 +		2400		3780 Btuh			
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Conditioned) DGM = 0.00								0.0 Btuh	
	Sensible Zone Load								13344 Btuh	

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

5/5/2009

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>13344 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>13344 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>13344 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	3070 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>4270 Btuh</b>
	<b>TOTAL GAIN</b>	<b>17615 Btuh</b>

\*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)



For Florida residences only



# System Sizing Calculations - Summer

## Residential Load - Room by Room Component Details

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F  
This calculation is for Worst Case. The house has been rotated 315 degrees.

5/5/2009

### Component Loads for Zone #1: Main

Window	Type*	Overhang		Window Area(sqft)			HTM		Load	
	Pn/SHGC/U/InSh/ExSh/IS Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2, SHGC=0.32, 0.30, None,N,N NW	1.5ft	6ft.	60.0	0.0	60.0	12	27	1603 Btuh	
2	2, SHGC=0.32, 0.30, None,N,N NW	1.5ft	4ft.	6.0	0.0	6.0	12	27	160 Btuh	
3	2, SHGC=0.32, 0.30, None,N,N NE	0ft.	0ft.	30.0	0.0	30.0	12	27	801 Btuh	
4	2, SHGC=0.32, 0.30, None,N,N SE	7.5ft	6ft.	60.0	60.0	0.0	12	28	712 Btuh	
5	2, SHGC=0.32, 0.30, None,N,N SW	0ft.	0ft.	10.0	0.0	10.0	12	28	279 Btuh	
	Window Total			166 (sqft)					3555 Btuh	
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		716.0		2.1		1493 Btuh		
2	Frame - Wood - Adj	13.0/0.09		220.0		1.5		332 Btuh		
	Wall Total			936 (sqft)				1825 Btuh		
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Adjacent			20.0		9.8		196 Btuh		
2	Insulated - Exterior			20.0		9.8		196 Btuh		
3	Insulated - Exterior			10.0		9.8		98 Btuh		
	Door Total			50 (sqft)				490 Btuh		
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0		1286.0		1.7		2130 Btuh		
	Ceiling Total			1286 (sqft)				2130 Btuh		
Floors	Type	R-Value		Size		HTM		Load		
1	Slab On Grade	0.0		144 (ft(p))		0.0		0 Btuh		
	Floor Total			144.0 (sqft)				0 Btuh		
	Zone Envelope Subtotal:								8000 Btuh	
Infiltration	Type	ACH		Volume(cuft)		CFM=		Load		
	SensibleNatural	0.49		10288		84.0		1564 Btuh		
Internal gain		Occupants		Btuh/occupant		Appliance		Load		
		6		X 230 +		2400		3780 Btuh		
Duct load	Partially sealed, R6.0, Supply(Attic), Return(Conditioned)							DGM = 0.00		0.0 Btuh
	Sensible Zone Load								13344 Btuh	

# Manual J Summer Calculations

## Residential Load - Component Details (continued)

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

Class 3 Rating  
Registration No. 0  
Climate: North

5/5/2009

### WHOLE HOUSE TOTALS

<b>Whole House Totals for Cooling</b>	<b>Sensible Envelope Load All Zones</b>	<b>13344 Btuh</b>
	Sensible Duct Load	0 Btuh
	<b>Total Sensible Zone Loads</b>	<b>13344 Btuh</b>
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	<b>Total sensible gain</b>	<b>13344 Btuh</b>
	Latent infiltration gain (for 54 gr. humidity difference)	3070 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	<b>Latent total gain</b>	<b>4270 Btuh</b>
	<b>TOTAL GAIN</b>	<b>17615 Btuh</b>

\*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)



For Florida residences only

# Residential Window Diversity

## MidSummer

Saulsby Res.  
Lake Jeffery Rd.  
, FL

Project Title:  
905043MiltonBuildersSaulsbyResMANJ

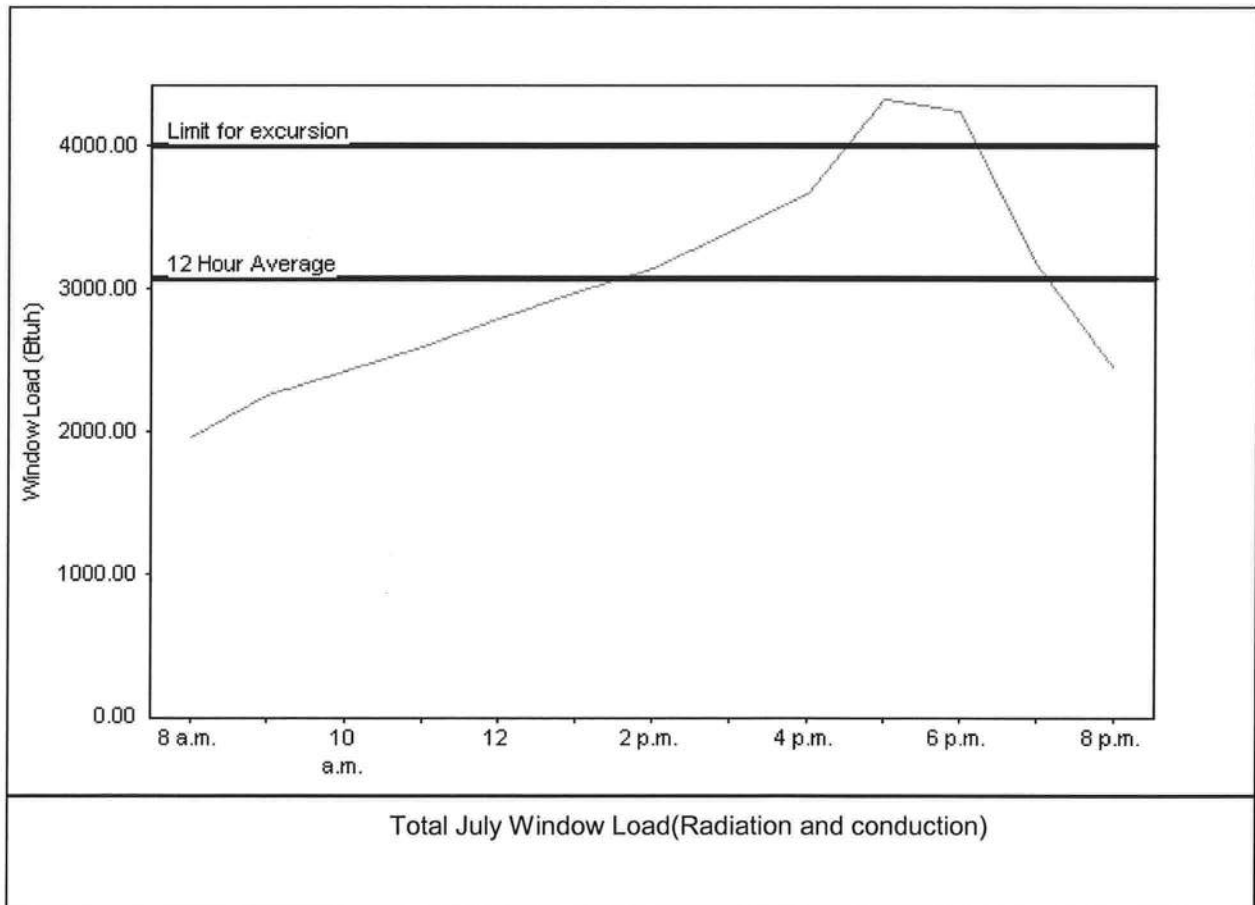
Class 3 Rating  
Registration No. 0  
Climate: North

5/5/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	3075 Btuh
Summer setpoint	75 F	Peak window load for July	4318 Btuh
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	3997 Btuh
Latitude	29 North	Window excursion (July)	321 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:

DATE: 5/5/09 EVAN BISANSLOV

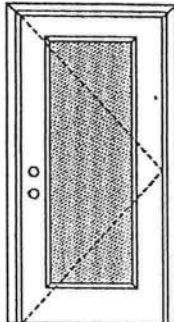
EnergyGauge® FLR2PB v4.1





## WOOD-EDGE STEEL DOORS

### APPROVED ARRANGEMENT:



**Note:**  
Units of other sizes are covered by this report as long as the panel used does not exceed 3'0" x 6'8".

Single Door  
Maximum unit size = 3'0" x 6'8"

**Design Pressure**  
**+40.5/-40.5**  
Limited water unless special threshold design is used.

**Large Missile Impact Resistance**  
**Hurricane protective system (shutters) is REQUIRED.**

Actual design pressure and impact resistant requirements for a specific building design and geographic location is determined by ASCE 7-national, state or local building codes specify the edition required.

### MINIMUM ASSEMBLY DETAIL:

Compliance requires that minimum assembly details have been followed – see MAD-WL-MA0011-02 and MAD-WL-MA0041-02.

### MINIMUM INSTALLATION DETAIL:

Compliance requires that minimum installation details have been followed – see MID-WL-MA0001-02.

### APPROVED DOOR STYLES:

#### 1/4 GLASS:



100 Series



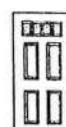
133, 135 Series



136 Series



680 Series

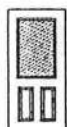


822 Series

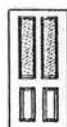
#### 1/2 GLASS:



105 Series\*



108, 160 Series\*



129 Series\*



200 Series\*



12 R/L, 23 R/L, 24 R/L  
Series\*



107 Series\*



108 Series



304 Series

\*This glass kit may also be used in the following door styles: 5-panel; 5-panel with scroll; Eyebrow 5-panel; Eyebrow 5-panel with scroll.

**Johnson™**  
**EntrySystems**

March 29, 2002  
Our continuing program of product improvement makes specifications, design and product detail subject to change without notice.

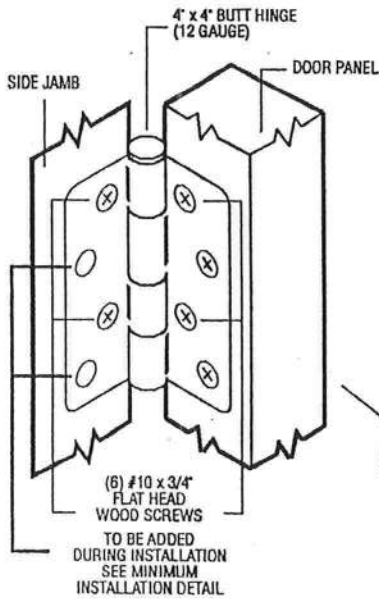


Exclusively from

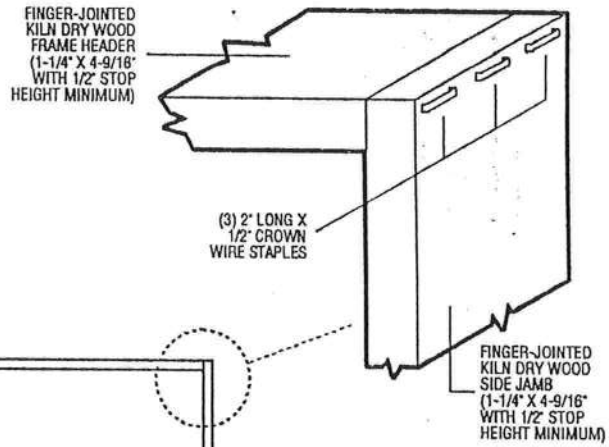
**Masonite®**  
Masonite International Corporation

## OUTSWING UNITS WITH SINGLE DOOR

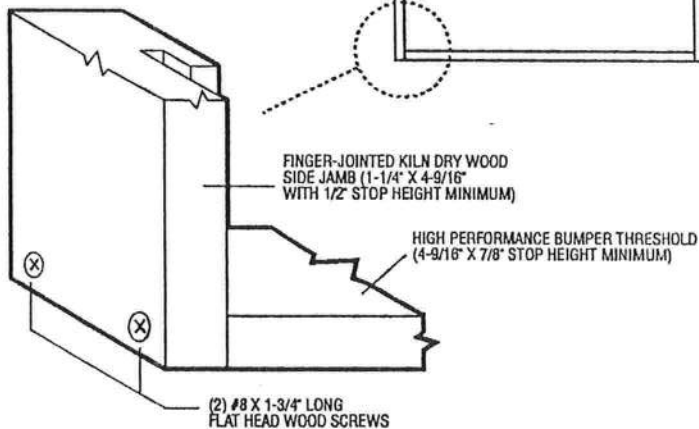
### TYPICAL HINGE ATTACHMENT



### TYPICAL HEADER & SIDE JAMB ATTACHMENT



### TYPICAL THRESHOLD & SIDE JAMB ATTACHMENT



**X**

Glazed Outswing Unit

COP-WL-JH4161-02

**WOOD-EDGE STEEL DOORS****APPROVED DOOR STYLES:  
3/4 GLASS:**

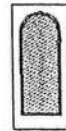
404 Series



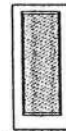
410 Series



450 Series

**FULL GLASS:**

109 Series

114, 120, 122  
Series

152 Series



149 Series



300 Series

**CERTIFIED TEST REPORTS:**

NCTL 210-1897-7, 8, 9, 10, 11, 12; NCTL 210-1864-5, 6, 7, 8; NCTL 210-2178-1, 2, 3

Certifying Engineer and License Number: Barry D. Portney, P.E. / 16258.

Unit Tested in Accordance with Miami-Dade BCCO PA202.

Evaluation report NCTL-210-2794-1

Door panels constructed from 26-gauge 0.017" thick steel skins. Both stiles constructed from wood. Top end rails constructed of 0.041" steel. Bottom end rails constructed of 0.021" steel. Interior cavity of slab filled with rigid polyurethane foam core. Slab glazed with insulated glass mounted in a rigid plastic lip lite surround.

Frame constructed of wood with an extruded aluminum bumper threshold.

**PRODUCT COMPLIANCE LABELING:**

TESTED IN  
ACCORDANCE WITH  
MIAMI-DADE BCCO PA202

COMPANY NAME  
CITY, STATE

To the best of my knowledge and ability the above side-hinged exterior door unit conforms to the requirements of the 2001 Florida Building Code, Chapter 17 (Structural Tests and Inspections).

State of Florida, Professional Engineer  
Kurt Balthazor, P.E. – License Number 56533

2

**Johnson™**  
**EntrySystems**

March 29, 2002  
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**PREMDOR Collection**  
Premium Quality Doors



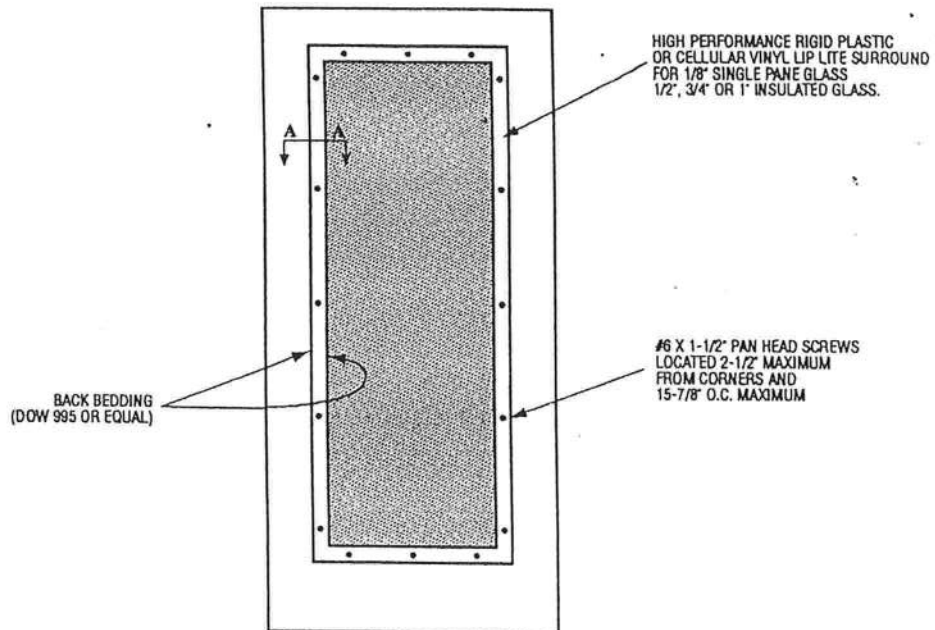
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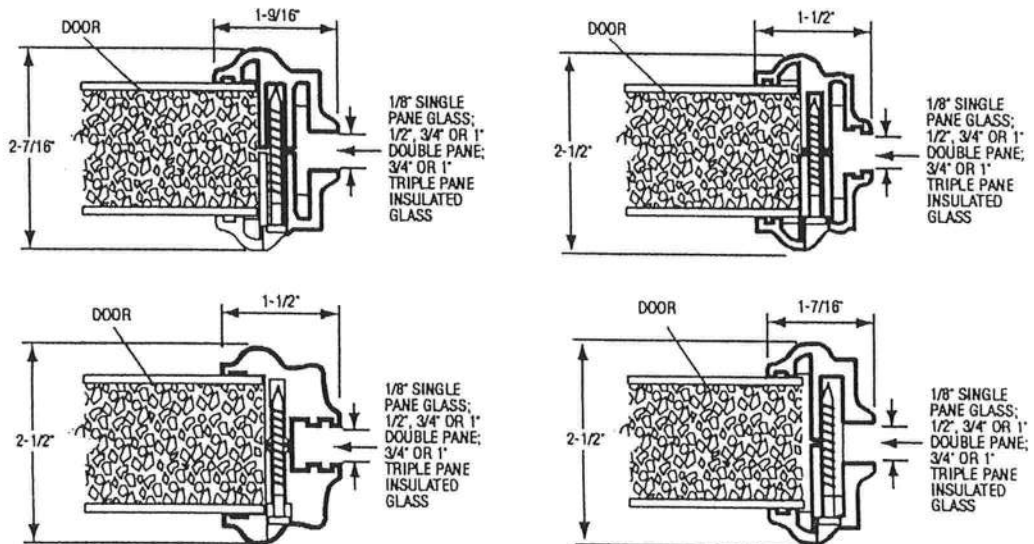


MAD-WL-MA0041-02

## GLASS INSERT IN DOOR OR SIDELITE PANEL



### SECTION A-A TYPICAL RIGID PLASTIC LIP LITE SURROUND



March 29, 2002  
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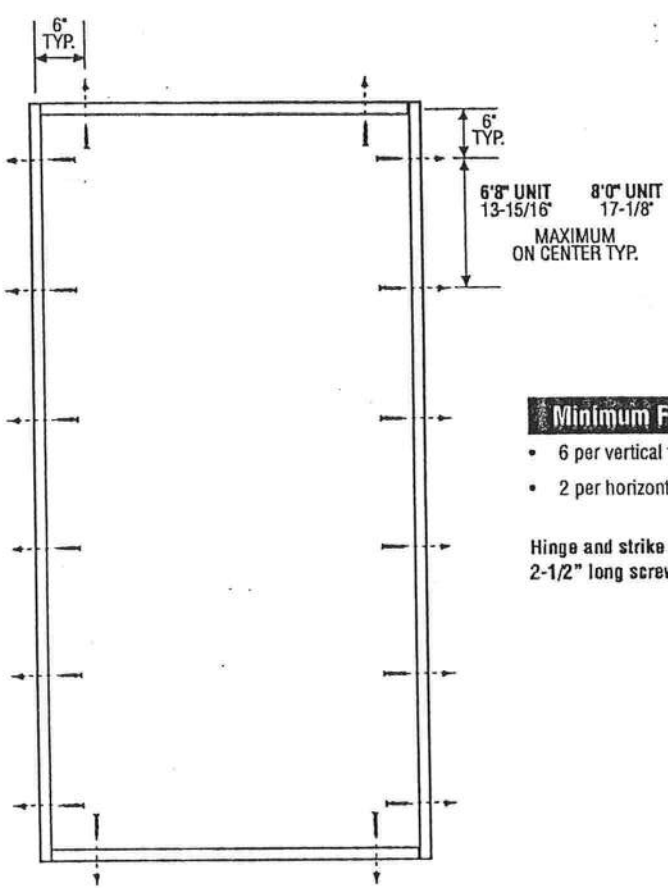
PREMIER Collection  
Premium Quality Doors



Exclusively from

Masonite

Masonite International Corporation



**Minimum Fastener Count**

- 6 per vertical framing member
- 2 per horizontal framing member

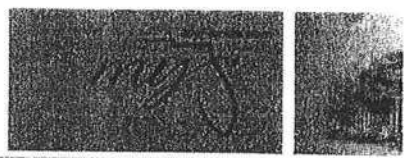
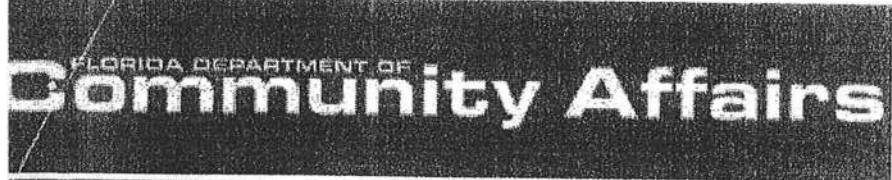
Hinge and strike plates require two 2-1/2" long screws per location.

**Latching Hardware:**

- Compliance requires that GRADE 2 or better (ANSI/BHMA A156.2) cylindrical and deadlock hardware be installed.
- **UNITS COVERED BY COP DOCUMENT 3146, 3161 or 3166**  
Compliance requires that 8" GRADE 1 (ANSI/BHMA A156.16) surface bolts be installed on latch side of active door panel – (1) at top and (1) at bottom.

**Notes:**

1. Anchor calculations have been carried out with the lowest (least) fastener rating from the different fasteners being considered for use. Fasteners analyzed for this unit include #8 and #10 wood screws or 3/16" Tapcons.
2. The wood screw single shear design values come from Table 11.3A of ANSI/AF & PA NDS for southern pine lumber with a side member thickness of 1-1/4" and achievement of minimum embedment. The 3/16" Tapcon single shear design values come from the ITW and ELCO Dade County approvals respectively, each with minimum 1-1/4" embedment.
3. Wood bucks by others, must be anchored properly to transfer loads to the structure.



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- COMMUNITY PLANNING
- HOUSING & COMMUNITY DEVELOPMENT
- EMERGENCY MANAGEMENT
- OFFICE OF THE SECRETARY

FL #	FL1214-R1
Application Type	Revision
Code Version	2004
Application Status	Approved
Comments	
Archived	<input type="checkbox"/>
Product Manufacturer	Alenco
Address/Phone/Email	615 Carson Bryan, TX 77802 (979) 779-7770 ext 343 mkoppers@alenco.com
Authorized Signature	Martin Koppers mkoppers@alenco.com
Technical Representative	Martin Koppers
Address/Phone/Email	615 Carson St. Bryan, TX 77802  mkoppers@alenco.com
Quality Assurance Representative	
Address/Phone/Email	
Category	Windows
Subcategory	Single Hung
Compliance Method	Certification Mark or Listing
Certification Agency	National Accreditation & Management Institute,
Referenced Standard and Year (of	<b>Standard</b>

Standard)

AAMA/NWWDA 101/I.S.2

Equivalence of Product Standards  
Certified By

Sections from the Code

1707.4.2.1

Product Approval Method

Method 1 Option A

Date Submitted

06/08/2005

Date Validated

08/04/2005

Date Pending FBC Approval

06/18/2005

Date Approved

08/05/2005

### Summary of Products

FL #	Model, Number or Name	Description
1214.1	1111	Vinyl Tilt Single Hung
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> 1111: 48X72 R(35) Tested with DS annealed, 44X72 R(40) Tested with SS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> <a href="#">PTID 1214 R1 I FL INSTALLATION INSTRUCTIONS - Aluminum B.pdf</a> <a href="#">PTID 1214 R1 I INSTALLATION INSTRUCTIONS - Vinyl B.pdf</a> Verified By:
1214.2	3753	Aluminum Tilt Single Hung
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> 3753: 44X72 R(40) Tested with Tested with DS annealed. For smaller window sizes, glass to comply with ASTM E1300-02.		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By:
1214.3	4710F	Aluminum Single Hung
<b>Limits of Use (See Other)</b> <b>Approved for use in HVHZ:</b> <b>Approved for use outside HVHZ:</b> <b>Impact Resistant:</b> <b>Design Pressure: +/-</b> <b>Other:</b> 4710F: 48X72 R(40)/DP(50), Tested with DS annealed glass. For smaller window sizes, glass to comply with ASTM E1300-02.		<b>Certification Agency Certificate</b> <b>Installation Instructions</b> Verified By:

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DCA Administration

**Department of Community Affairs  
Florida Building Code Online  
Codes and Standards**

2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100

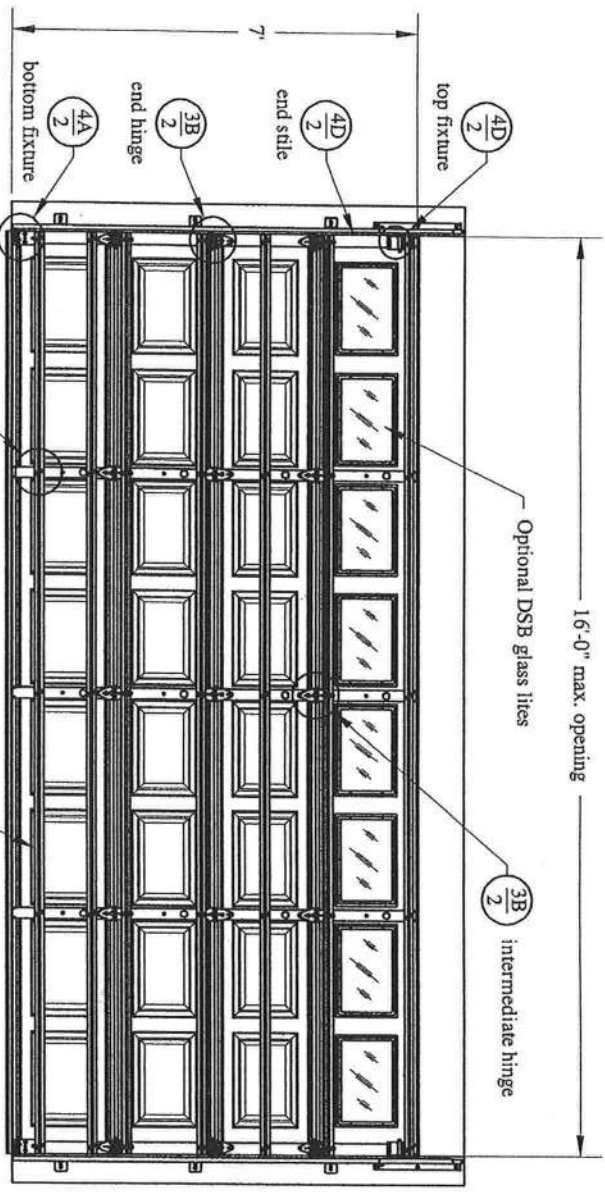
(850) 487-1824, Suncom 277-1824, Fax (850) 414-8436

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**Product Approval Accepts:**



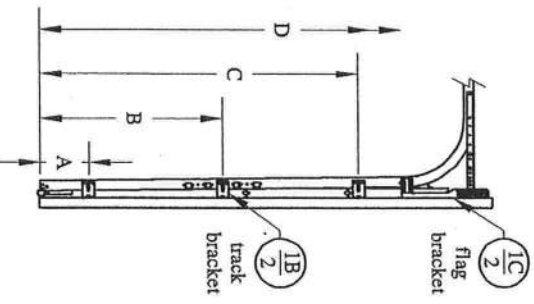
4 3 2



Door Model	Gauge	Decimal
2250/2251	25	.0185
4250/4251	25	.0185
2240/2241	24	.0225
4240/4241	24	.0225
5240/5241	24	.0225

door height	section quantity	strut quantity	trk brkt per side
6'-6" to 7'-0"	4	7	3
7'-6" to 8'-0"	5	8	4
8'-3" to 8'-9"	5	9	4
9'-0" to 10'-6"	6	11	5
10'-9" to 12'-3"	7	13	6
12'-6" to 14'-0"	8	15	7

Refer to Supplemental Instructions for strut placement on doors over 7'-0" high



Track Bracket Chart	door height									
	6'-6"	6'-9"	7'-0"	7'-6"	7'-9"	8'-0"	8'-3"	8'-6"	8'-9"	
track brackets	D	n/a	n/a	n/a	72"	69"	72"	81"	84"	87"
	C	60"	63"	66"	58"	55"	58"	60"	63"	66"
	B	35"	35"	38"	34"	31"	34"	32"	35"	38"
	A	10"	7"	10"	10"	7"	10"	4"	7"	10"

Track bracket locations shown above are for doors up to five sections high. Additional door sections may be added for a maximum door height of 14'-0". One track bracket (per track) must be added for each section and spaced at a distance not greater than the corresponding section height.

This door has been tested in accordance with ANSI/DASMA 108-2002

Design Pressure (DP): 18.5 pos / 20.7 neg  
Test Pressure (TP): 27.8 pos / 31.1 neg

Per 2004 FBC Table 1609.6E, DP meets or exceeds basic wind speed of:  
V = 110 MPH for Exposure B and mean roof height of 30' or less  
V = 93 MPH for Exposure C and mean roof height of 30' or less

Maximum door size: 16'-0" wide by 14'-0" tall  
Glazing and door have not been tested for windborne debris.

Wood buck and supporting structural elements shall be designed by a registered professional engineer for wind loads shown on this drawing.  
If door is not electrically operated, a lock must be installed.

Professional Engineer's seal provided only for verification of windload construction details

John E. Scates, P.E.  
1411 LeMay Street #205  
Carrollton, Texas 75007  
Florida P.E. # 51737



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USER: Public User[Product Approval Menu](#) > [Product or Application Search](#) > [Application List](#) > **Application Detail**

FL # FL10528  
Application Type New  
Code Version 2007  
Application Status Approved  
Comments  
Archived

Product Manufacturer UNION CORRUGATING COMPANY  
Address/Phone/Email 701 S. KING ST.  
FAYETTEVILLE, NC 28301  
(910) 483-0479 Ext 248  
jthornton@unioncorrugating.com

Authorized Signature Jason Thornton  
jthornton@unioncorrugating.com

Technical Representative  
Address/Phone/Email

Quality Assurance Representative  
Address/Phone/Email

Category Roofing  
Subcategory Metal Roofing

Compliance Method Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer  
☒ Evaluation Report - Hardcopy Received

Florida Engineer or Architect Name who developed the Evaluation Report Bala Sockalingam  
Florida License PE-62240  
Quality Assurance Entity Keystone Certifications, Inc.  
Quality Assurance Contract Expiration Date 09/17/2017  
Validated By Yoosef Lavi, P.E.  
☒ Validation Checklist - Hardcopy Received

Certificate of Independence [FL10528 R0 COI Cert Independence.pdf](#)

Referenced Standard and Year (of Standard) **Standard** **Year**



1994

### Sections from the Code

### Method 1 Option D

Date Submitted	04/02/2008
Date Validated	04/04/2008
Date Pending FBC Approval	04/13/2008
Date Approved	05/06/2008

Summary of Products		
FL #	Model, Number or Name	Description
10528.1	MasterRib Roof Panel	29 Ga., 36" wide, through fastened panel over shingles and plywood deck.
<b>Limits of Use</b> <b>Approved for use in HVHZ:</b> No <b>Approved for use outside HVHZ:</b> Yes <b>Impact Resistant:</b> N/A <b>Design Pressure:</b> +N/A/-113.1 <b>Other:</b> -45.0 psf @ fastener spacing of 24" OC and -113.1 psf @ fastener spacing of 12" OC in 15/32" thick plywood.		<b>Installation Instructions</b> <a href="#">FL10528 R0 II MasterRibInstallation.pdf</a> Verified By: Bala Sockalingam PE 62249 Created by Independent Third Party: Yes <b>Evaluation Reports</b> <a href="#">FL10528 R0 AE EvaluationReportC1578 1.pdf</a> Created by Independent Third Party: Yes

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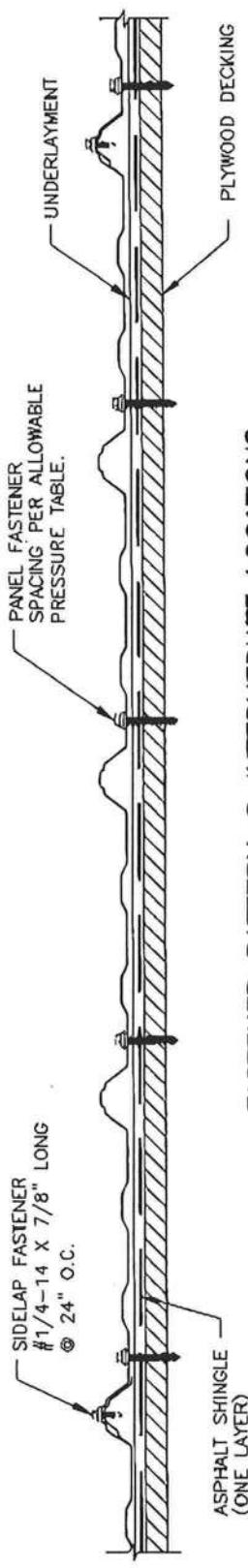
DCA Administration

**Department of Community Affairs  
Florida Building Code Online  
Codes and Standards  
2555 Shumard Oak Boulevard  
Tallahassee, Florida 32399-2100  
(850) 497-1824, Fax (850) 414-8436**

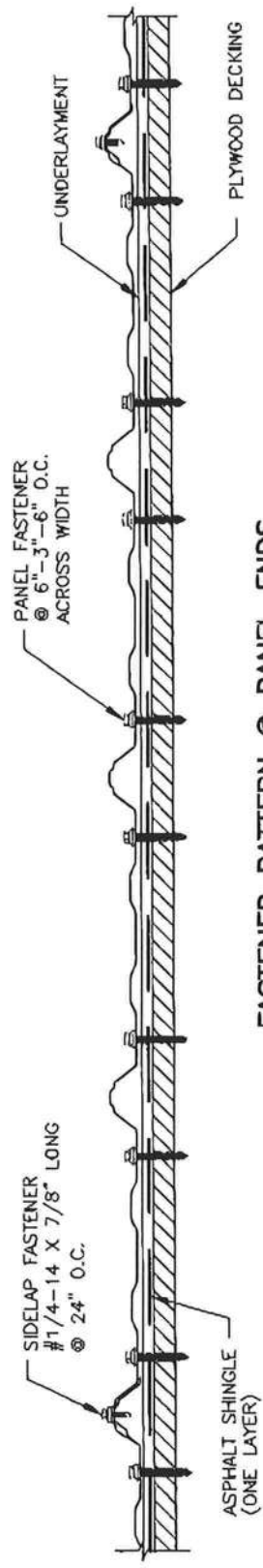
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**Product Approval Accepts:**





FASTENER PATTERN @ INTERMEDIATE LOCATIONS



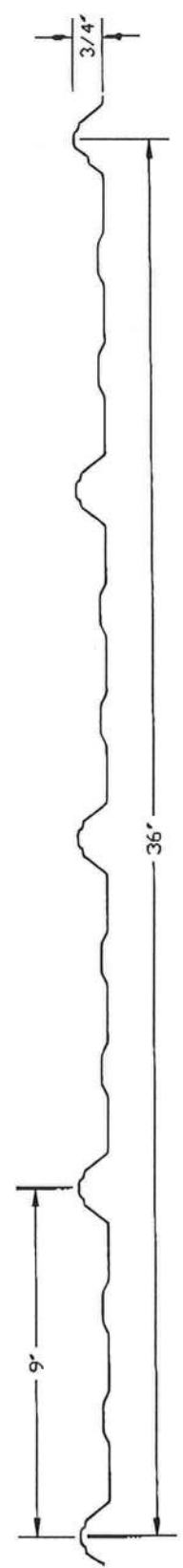
FASTENER PATTERN @ PANEL ENDS

GENERAL NOTES:

1. ARCHITECTURAL ROOF PANEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (FBC).
2. THE ROOF PANELS SHALL BE INSTALLED OVER SHEATHING & STRUCTURE AS SPECIFIED ON THIS DRAWING.
3. REQUIRED DESIGN WIND LOADS SHALL BE DETERMINED FOR EACH PROJECT. THIS PANEL SYSTEM MAY NOT BE INSTALLED WHEN THE REQUIRED DESIGN WIND LOADS ARE GREATER THAN THE ALLOWABLE WIND LOADS SPECIFIED ON THIS DRAWING.
4. ALL FASTENERS MUST BE IN ACCORDANCE WITH THIS DRAWING & THE FLORIDA BUILDING CODE. IF A DIFFERENCE OCCURS BETWEEN THE MINIMUM REQUIREMENTS OF THIS DRAWING & THE CODE, THE CODE SHALL CONTROL.
5. RAFTERS/JOISTS/TRUSSES MUST BE DESIGNED TO WITHSTAND WIND LOADS AS REQUIRED FOR EACH APPLICATION AND ARE THE RESPONSIBILITY OF OTHERS.

ALLOWABLE UPLIFT PRESSURE

FASTENER SPACING (IN)	PRESSURE (PSF)
24	45.0
12	113.1



MASTERRIB PANEL PROFILE

29 Gauge, Minimum Yield = 80 KSI

UNION CORRUGATING COMPANY 701 SOUTH KING ST FAIRFAX, VA 22031 TEL: (703) 441-1100 FAX: (703) 441-1001	
DATE: 4-1-2008	1 of 1
PROJECT: MasterRib Panel	REV: NONE
DESIGNER: [blank]	DATE: 4-1-2008
CHECKED: [blank]	DATE: [blank]
APPROVED: [blank]	DATE: [blank]



## COLUMBIA COUNTY BUILDING DEPARTMENT RESIDENTIAL CHECK LIST REQUIRMENTS

### MINIMUM PLAN REQUIREMENTS FOR THE FLORIDA BUILDING CODE RESIDENTIAL 2007 ONE (1) AND TWO (2) FAMILY DWELLINGS

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007 FLORIDA BUILDING CODES RESIDENTIAL. ALL PLANS OR DRAWINGS SHALL PROVIDE CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS.**

**FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEEDS ARE PER FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind speed map) SHALL BE USED.**

WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.

ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH  
ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE -----110 MPH  
NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

#### GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL

Items to Include-  
Each Box shall be  
Circled as  
Applicable

			Yes	No	N/A
1	Two (2) complete sets of plans containing the following:		✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		✓		
3	Condition space (Sq. Ft.) <b>1288</b>	Total (Sq. Ft.) under roof <b>2170</b>	IIIIIIII	IIIIIIII	IIII

Designers name and signature shall be on all documents and a licensed architect or engineer, signature and official embossed seal shall be affixed to the plans and documents as per the FLORIDA BUILDING CODES RESIDENTIAL R101.2.1

#### Site Plan information including:

4	Dimensions of lot or parcel of land	✓		
5	Dimensions of all building set backs	✓		
6	Location of all other structures (include square footage of structures) on parcel, existing or proposed well and septic tank and all utility easements.	✓		
7	Provide a full legal description of property.	✓		

## Wind-load Engineering Summary, calculations and any details required

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIII	IIII	IIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m <sup>2</sup> ), to be used for the design of exterior component, cladding materials not specifically designed by the registered design professional.	✓		

## Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	N A		
18	Location and size of skylights with Florida Product Approval	N A		
18	Number of stories	✓		
20A	Building height from the established grade to the roofs highest peak	✓		

## Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	N A		
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Emergency escape and rescue opening shown in each bedroom (net clear opening shown)	✓		
25	Safety glazing of glass where needed	✓		
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 of FBCR)	N A		
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)	N A		
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

**All materials placed within opening or onto/into exterior walls, soffits or roofs shall have Florida product approval number and mfg. installation information submitted with the plan (see Florida product approval form)**



**GENERAL REQUIREMENTS:  
APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL**

Items to Include-  
Each Box shall be  
Circled as  
Applicable

**FBCR 403: Foundation Plans**

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	nA		
32	Assumed load-bearing value of soil _____ Pound Per Square Foot			
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type)	✓		

**FBCR 506: CONCRETE SLAB ON GRADE**

34	Show Vapor retarder (6mil. Polyethylene with joints lapped 6 inches and sealed)	✓		
35	Show control joints, synthetic fiber reinforcement or welded fire fabric reinforcement and Supports	✓ nA		

**FBCR 320: PROTECTION AGAINST TERMITES**

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or submit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
----	---	---	--	--

**FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)**

37	Show all materials making up walls, wall height, and Block size, mortar type	✓		
38	Show all Lintel sizes, type, spans and tie-beam sizes and spacing of reinforcement	nA		

**Metal frame shear wall and roof systems shall be designed, signed and sealed by Florida Prof. Engineer or Architect**

**Floor Framing System: First and/or second story**

39	Floor truss package shall including layout and details, signed and sealed by Florida Registered Professional Engineer	nA		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	nA		
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	nA		
42	Attachment of joist to girder	}		
43	Wind load requirements where applicable			
44	Show required under-floor crawl space			
45	Show required amount of ventilation opening for under-floor spaces			
46	Show required covering of ventilation opening			
47	Show the required access opening to access to under-floor spaces	↓		
	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges &			

48	intermediate of the areas structural panel sheathing	NA		
49	Show Draftstopping, Fire caulking and Fire blocking	NA		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	✓ NA		
51	Provide live and dead load rating of floor framing systems (psf).	NA		

## **FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION**

<b>GENERAL REQUIREMENTS:</b> <b>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>		<b>Items to Include-</b> <b>Each Box shall be</b> <b>Circled as</b> <b>Applicable</b>		
		YES	NO	N/A
52	Stud type, grade, size, wall height and oc spacing for all load bearing or shear walls	✓		
53	Fastener schedule for structural members per table FBCR 602.3 are to be shown	✓		
54	Show Wood structural panel's sheathing attachment to studs, joist, trusses, rafters and structural members, showing fastener schedule attachment on the edges & intermediate of the areas structural panel sheathing	✓		
55	Show all required connectors with a max uplift rating and required number of connectors and oc spacing for continuous connection of structural walls to foundation and roof trusses or rafter systems	✓		
56	Show sizes, type, span lengths and required number of support jack studs, king studs for shear wall opening and girder or header per FBCR Table 502.5 (1)	✓		
57	Indicate where pressure treated wood will be placed	✓		
58	Show all wall structural panel sheathing, grade, thickness and show fastener schedule for structural panel sheathing edges & intermediate areas	✓		
59	A detail showing gable truss bracing, wall balloon framing details or/ and wall hinge bracing detail	✓		

## **FBCR :ROOF SYSTEMS:**

60	Truss design drawing shall meet section FBCR 802.10 Wood trusses	✓		
61	Include a layout and truss details, signed and sealed by Florida Professional Engineer	✓		
62	Show types of connector's assemblies' and resistance uplift rating for all trusses and rafters	✓		
63	Show gable ends with rake beams showing reinforcement or gable truss and wall bracing details	✓		
64	Provide dead load rating of trusses	✓		

## **FBCR 802:Conventional Roof Framing Layout**

65	Rafter and ridge beams sizes, span, species and spacing	NA		
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating	NA		
67	Valley framing and support details	NA		
68	Provide dead load rating of rafter system	NA		

## **FBCR Table 602,3(2) & FBCR 803 ROOF SHEATHING**

69	Include all materials which will make up the roof decking, identification of structural panel sheathing, grade, thickness	✓		
70	Show fastener Size and schedule for structural panel sheathing on the edges & intermediate areas	✓		

## **FBCR ROOF ASSEMBLIES FRC Chapter 9**

71	Include all materials which will make up the roof assembles covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	✓		

## **FBCR Chapter 11 Energy Efficiency Code for residential building**

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		YES	NO	N/A
73	Show the insulation R value for the following areas of the structure	✓		
74	Attic space	✓		
75	Exterior wall cavity	✓		
76	Crawl space	N/A		

## **HVAC information**

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans locations in bathrooms	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

## **Plumbing Fixture layout shown**

80	All fixtures waste water lines shall be shown on the foundation plan	✓		
81	Show the location of water heater	✓		

## **Private Potable Water**

82	Pump motor horse power	✓		
83	Reservoir pressure tank gallon capacity	✓		
84	Rating of cycle stop valve if used	✓		

## **Electrical layout shown including**

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	✓		
86	Ceiling fans	✓		
87	Smoke detectors & Carbon dioxide detectors	✓		
88	Service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type.	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Arc Fault Circuits (AFCI) in bedrooms	✓		

**Disclosure Statement for Owner Builders** *If you as the applicant will be acting as an owner/builder under section 489.103(7) of the Florida Statutes, submit the required owner builder disclosure statement form.*

### **Notice Of Commencement**

A notice of commencement form **recorded** in the Columbia County Clerk Office is required to be filed with the building department Before Any Inspections can be preformed.

<b>GENERAL REQUIREMENTS:</b> <b>APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL</b>		<b>Items to Include-</b> <b>Each Box shall be</b> <b>Circled as</b> <b>Applicable</b>
---	--	--

### **THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS**

		YES	NO	N/A
92	<b>Building Permit Application</b> A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	<b>Parcel Number</b> The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested			
94	<b>Environmental Health Permit or Sewer Tap Approval</b> A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		
95	<b>City of Lake City</b> A permit showing an approved waste water sewer tap	NA		
96	<b>Toilet facilities shall be provided for all construction sites</b>	✓		
97	<b>Town of Fort White</b> (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.	NA		
98	<b>Flood Information:</b> All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	NA		
99	<b>CERTIFIED FINISHED FLOOR ELEVATIONS</b> will be required on any project where the base flood elevation (100 year flood) has been established	NA		
100	A development permit will also be required. Development permit cost is <b>\$50.00</b>			
101	<b>Driveway Connection:</b> If the property does not have an existing access to a public road, then an application for a culvert permit ( <b>\$25.00</b> ) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver ( <b>\$50.00</b> ). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	<b>911 Address:</b> If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and <b>received</b> through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		



## **Section R101.2.1 of the Florida Building Code Residential:**

The provisions of Chapter 1, Florida Building Code, Building shall govern the administration and enforcement of the Florida Building Code, Residential.

Section 105 of the Florida Building Code defines the:

### **Time limitation of application.**

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

### **Single-family residential dwelling.**

Section 105.3.4 A building permit for a single-family residential dwelling must be issued within 30 working days of application therefor unless unusual circumstances require a longer time for processing the application or unless the permit application fails to satisfy the Florida Building Code or the enforcing agency's laws or ordinances.

### **Permit intent.**

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

### **If work has commenced.**

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

### **New Permit.**

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

**Work Shall Be:**

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

**The Fee:**

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

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

## PRODUCT APPROVAL SPECIFICATION SHEET

**Location:** Columbia Co.

**Project Name:** Sandy House

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 for which 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 [www.floridabuilding.org](http://www.floridabuilding.org)

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
<b>A. EXTERIOR DOORS</b>			
1. Swinging	Johnson	Steel Ext Door	30264479A-001
2. Sliding			
3. Sectional			
4. Roll up	Ashley	Garage Door	
5. Automatic			
6. Other			
<b>B. WINDOWS</b>			
1. Single hung	Alenco	Single hung tilt Model 3753	1214.2
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
<b>C. PANEL WALL</b>			
1. Siding	Ashley	Vinyl Lap Siding	FI 406
2. Soffits	Ashley	Soffit + vented	FI 406
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other Sheathing	OSB Langboard	OSB Sheathing	PS2-92-PRP-13
<b>D. ROOFING PRODUCTS</b>			
1. Asphalt Shingles			
2. Underlayments	Woodland	#30 Felt	FL-1814
3. Roofing Fasteners			
4. Non-structural Metal Rf	29 Ga.	Master Rib Roof Panel	FL-10528
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			



Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
<b>E. SHUTTERS</b>			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
<b>F. SKYLIGHTS</b>			
1. Skylight			
2. Other			
<b>G. STRUCTURAL COMPONENTS</b>			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other	Langboard	OSB Roof & Wall Sheathing	PS2-92PRP-13
<b>H. NEW EXTERIOR ENVELOPE PRODUCTS</b>			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Location

Print Name

Permit # (FOR STAFF USE ONLY)

Jay Milton

5-7-09

Date

Columbia Co.





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#000027822

This home has been professionally insulated with

**Owens Corning****PROPINK® Unbonded Loosefill Insulation (Red Bag)**

(Job Site Address)

Name Saulsby  
 Address 196 N. Saulsby Glen  
 City Lake City, FL 32055 State FL Zip

**Owens Corning PROPINK Unbonded Loosefill Insulation (Red Bag)**

Owens Corning will accept no responsibility when the product is not installed in accordance with the product label. Stated R-value is provided by installing the required number of bags at a thickness not less than the labeled minimum thickness. Installation of the required number of bags may yield more than the specified minimum thickness. Failure by the installer to provide both the required bags and at least the minimum thickness will result in lower insulation R-value.

Nominal net weight of insulation is 33 lbs.

## Specification for Open Blow Attics

New Construction	R-Value*	Minimum Bags per 1,000 sq. ft.	Maximum Coverage per Bag in sq. ft.	Minimum Weight in lbs./sq. ft.	Minimum Initial Installed Thickness in inches <sup>1,2</sup>	Minimum Settled Thickness in inches <sup>1</sup>
Retrofit	To obtain an insulation resistance (R) of:	No. of bags per 1,000 sq. ft. of net area shall not be less than:	Contents of each bag should not cover more than:	Weight in lb. per sq. ft. of installed insulation should not be less than:	Installed insulation should not be less than:	Installed insulation should not be less than:
Number of bags used						
Estimated R-value of previous insulation	13	6.6	151.4	0.218	5.00	5.00
Area of coverage (sq. ft.)	19	9.4	106.3	0.310	7.50	7.50
Other type(s) of insulation in attic	22	11.1	89.9	0.367	8.50	8.50
Thickness of insulation	26	13.2	75.7	0.436	10.00	10.00
Depth of previous insulation	30	15.3	65.4	0.504	11.50	11.50
	38	19.5	51.4	0.642	14.50	14.50
	44	23.0	43.6	0.757	16.50	16.50
	49	25.8	38.8	0.850	18.25	18.25
	60	32.1	31.1	1.060	22.00	22.00

\*The higher the R-value, the greater the insulating power. Ask your seller for the fact sheet on R-values.

Loosefill insulations vary in thermal performance due to factors such as aging, mean temperature, settlement, convection, moisture absorption and installation variation. Convection in glass loosefill insulation installed in open attics can reduce its thermal performance in extreme winter temperatures during the heating season.

**Blanket Insulation**

Blanket and batt fiber glass insulation, when installed according to the manufacturers recommendations, will provide the stated R-Value.

**R-VALUE**

To obtain an insulation resistance (R) of:	R-38	R-38C	R-30	R-30C	R-25	R-22	R-21	R-19	R-15	R-13	R-11
<b>MINIMUM THICKNESS</b>											
Installed insulation should be:	12"	10.25"	9.5"	8.25"	8.0"	6.75"	5.5"	6.25"	3.5"	3.5"	3.5"

†R-18 in a 5.5" cavity

**THE FOLLOWING PRODUCTS HAVE BEEN INSTALLED AS SPECIFIED ABOVE:**

	kraft	unfaced	foil	FS-25	R-Value	Thickness	No. pkgs.	Coverage Area
<b>Ceilings</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	R-30	11.5"	14	843.58
<b>Floors</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<b>Walls</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<b>Basement</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<b>Crawlspace</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				

Contractor [Signature] Date 11/23/09 Builder [Signature] Date 11-23-09  
 Company Sikes Insulation Inc Company Jay Milton Construction  
 Address 2503 264th St O'Brien FL Address 1296 SW Ridge St.  
 Phone 386-438-8542 Phone



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Pub. No. 45145-B, Printed in U.S.A. March 2006. ©2006 Owens Corning.

# COLUMBIA COUNTY OFFICE OF OCCUPANCY

## COLUMBIA COUNTY, FLORIDA

### Department of Building and Zoning Inspection

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

Parcel Number 01-3S-15-00127-012

Building permit No. 000027822

Use Classification SFD/UTILITY

Fire: 70.62

Permit Holder JAY MILTON

Waste: 184.25

Owner of Building OLIVER & WILLIE SAULSBY

Total: 254.87

Location: 196 NW SAULSBY GLEN, LAKE CITY, FL

Date: 11/24/2009

Building Inspector

POST IN A CONSPICUOUS PLACE  
(Business Places Only)





## Notice of Treatment

**Applicator:** Florida Pest Control & Chemical Co. ([www.flapest.com](http://www.flapest.com))

**Address:** 536 SE BAY A HOE

**City:** Lake City

**Phone:** 752-1703

**Site Location:** Subdivision N/A

**Lot #:** N/A

**Block #:** N/A

**Permit #:** 27822

**Address:** 196 NW SAULSBY Gln

### Product used

### Active Ingredient

### % Concentration

- |   |                                  |       |
|---|----------------------------------|-------|
| <input checked="" type="checkbox"/> Premise | Imidacloprid                     | 0.1%  |
| <input type="checkbox"/> Termidor           | Fipronil                         | 0.12% |
| <input type="checkbox"/> Bora-Care          | Disodium Octaborate Tetrahydrate | 23.0% |

### **Type treatment:**

☒ Soil

☐ Wood

### Area Treated

### Square feet

### Linear feet

### Gallons Applied

Dwl / Garage / Porch

2115

205

200

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

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

6/10/09

Date

1000

Time

JAMES D. PARKER

Print Technician's Name

F254

Remarks:

Applicator - White

Permit File - Canary

Permit Holder - Pink

