

DATE 08/03/2009

Columbia County Building Permit

PERMIT
000027986

This Permit Must Be Prominently Posted on Premises During Construction

APPLICANT JON BROWN PHONE 755-8699
 ADDRESS 2747 SW MAN BLVD LAKE CITY FL 32025
 OWNER ROBERT SANDERS PHONE 758-4766
 ADDRESS 138 NE BACKROAD TERR. LAKE CITY FL 32055
 CONTRACTOR WILLIAM WOOD PHONE 755-8699
 LOCATION OF PROPERTY 441 NORTH, TR ON CHRISTIE ST., TL BACKROAD TERR,
1200' TO DRIVE ON LEFT
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 117250.00
 HEATED FLOOR AREA 1635.00 TOTAL AREA 2345.00 HEIGHT STORIES 1
 FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
 LAND USE & ZONING A-3 MAX. HEIGHT 23
 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 28-2S-17-04772-001 SUBDIVISION
 LOT BLOCK PHASE UNIT TOTAL ACRES 69.40

000001747 CB1058182
 Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
WAIVER 09-401 BK WR N
 Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: ONE FOOT ABOVE THE ROAD, NOC ON FILE

Check # or Cash 4159

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 590.00 CERTIFICATION FEE \$ 11.72 SURCHARGE FEE \$ 11.72
 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** 688.44

INSPECTORS OFFICE *Gate Tedde* CLERKS OFFICE *CH*

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

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

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 # 0907-41 Date Received 7/24/09 By GP Permit # 27986/1747
Zoning Official BLK Date 29.07.09 Flood Zone X Land Use A-3 Zoning A-3

FEMA Map # N/A Elevation N/A MFE 1st floor River N/A Plans Examiner WR Date 7/28/09

Comments on property 45 days to remove existing with all issuance of code
 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. _____ Fax 386-752-5111

Name Authorized Person Signing Permit William G. Wood Phone 386 755 8699

Address 2747 sw main Blvd. Lake city, FL 32025

Owners Name Robert Sanders Phone 386-758-4706

911 Address 138 NE Backroad Terrace Lake city FL 32025

Contractors Name Wind Tech Contracting Corp. Phone 386 755-8699

Address 2747 sw main Blvd Lake city, FL 32025

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Mark Disosway PO Box 868 Lake city 32026

Mortgage Lenders Name & Address _____

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

Property ID Number 28-25-17-04772-001 Estimated Cost of Construction 139,740

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions 441 North, TR on NE Christie Street, TL NE Backwards Terrace, 1200 feet to driveway on left.

Number of Existing Dwellings on Property 0 ^{per owner}

Construction of residential SFD Total Acreage 69.4 Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 23

Actual Distance of Structure from Property Lines - Front 1650' Side 640' Side 370' Rear 60'

Number of Stories 1 Heated Floor Area 1635 Total Floor Area 2345 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.

4159

4162

Spoke to Jon 7/29/09 1360009

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

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

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

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

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

OWNERS CERTIFICATION: I 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.

Robert A. Lambert
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.

[Signature]
Contractor's Signature (Permitee)

Contractor's License Number CB105892
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 24th day of July 2009.
Personally known _____ or Produced Identification

Megan M. Harrell
State of Florida Notary Signature (For the Contractor)

SEAL:





27986

TERMITE SERVICE REPORT

Date: 8/19/09

Customer Name ROBERT SANDERS Phone # 361-758-4766 Work Phone # _____
 Service Address 138 N.E. BACK ROAD TERR
 Account Number _____ Infestation Type ST Guarantee Type PERMANENT
 Initial Treatment 8/19/09 Amount Due 936.00 Amount Received _____ Cash _____ Check _____
 Service Covered Thru: 8/09 8/10 Completion Date 8/19/09 Renewal Amount _____ Grid # _____

I. Bait Activity: Yes No # of Stations: Monitoring _____ Bait _____ Next Service Date: _____

II. Service Initial Treatment Retreatment Service Call (No Treatment) Reinspection Bait Monitoring Annual Bait Reinspection

III. Materials Used (Utilize Product Information Key that includes EPA Reg # and Active Ingredient information on back for completion of this section.)

Product # (From Key)	Amount Applied	Dilution %	Product # (From Key)	Amount Applied	Dilution %
A) <u>6</u>	<u>23 gal</u>	<u>.06</u>	D) _____	_____	_____
B) _____	_____	_____	E) _____	_____	_____
C) _____	_____	_____	F) _____	_____	_____

IV. Conducive Conditions

It is important for you to know that certain conditions in and around your home can contribute to Wood Infesting Organisms and can therefore compromise the effectiveness of Orkin's treatment. It is very important that you remedy the Conducive Conditions noted below. If you fail to do so, it may, in some cases, jeopardize your agreement; moreover, it is probable that your home will experience future termite activity and damage, and retreatment by Orkin may not solve the termite problem. This report DOES NOT INCLUDE MOLD or any mold-like conditions. Mold is generally not a wood destroying organism and is outside the scope of this report. If you wish your property to be inspected for mold or mold-like conditions, please contact the appropriate mold professional. Please notify us in writing when you have corrected the Conducive Conditions. We identified the following Conducive Condition(s):

Soil above Sill Cellulose material in contact with ground Improper Ventilation Siding/Stucco in contact with ground
 Roof Leaks Excessive Exterior Moisture Excessive Moisture in Crawl Treatment disturbed
 Cellulose material stored in crawl area Excessive Interior Moisture Exterior Insulation Finished System (EIFS) Other _____

States where applicable:
 Wind Direction _____ Wind Velocity _____
 Temperature _____ Humidity _____
 Time on job _____ Target Pest _____

V. Inspection
 A) Performed on (Date): _____ B) Activity Found: Yes No
 C) Retreatment Scheduled Date (if needed): _____ D) Customer Home: Yes No
 _____ Customer Signature
 _____ Orkin Representative

VI. Treatment **Thank you for choosing Orkin**

* I understand that additions, or modifications to or around the structure can disturb the termiticide treatment and may require additional inspection and treatment.
 The location of these areas are: _____
 * This work has been performed to my satisfaction P Robert A. Sanders 8/19/09
 _____ Customer Signature _____ Date

Warning--Pesticides can be harmful. Keep Children and pets away from pesticide applications until dry, dissipated or aerated.
 For more information contact Orkin, business License # _____ at 1-800-800-6754.

John J. Z... 8104 8/19/09
 _____ Orkin Representative - Full Name _____ CA # (If applicable) _____ Date

Orkin Street Address: 2943 WOODROW RD
 City/State/Zip: MAINEVILLE ME 07608 Branch Phone #: 361-1501

CUSTOMER COPY

COLUMBIA COUNTY 9-1-1 ADDRESSING

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

PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 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: 6/24/2009 DATE ISSUED: 7/8/2009

ENHANCED 9-1-1 ADDRESS:

138 NE BACKROAD TER
LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

28-2S-17-04772-001

Remarks:

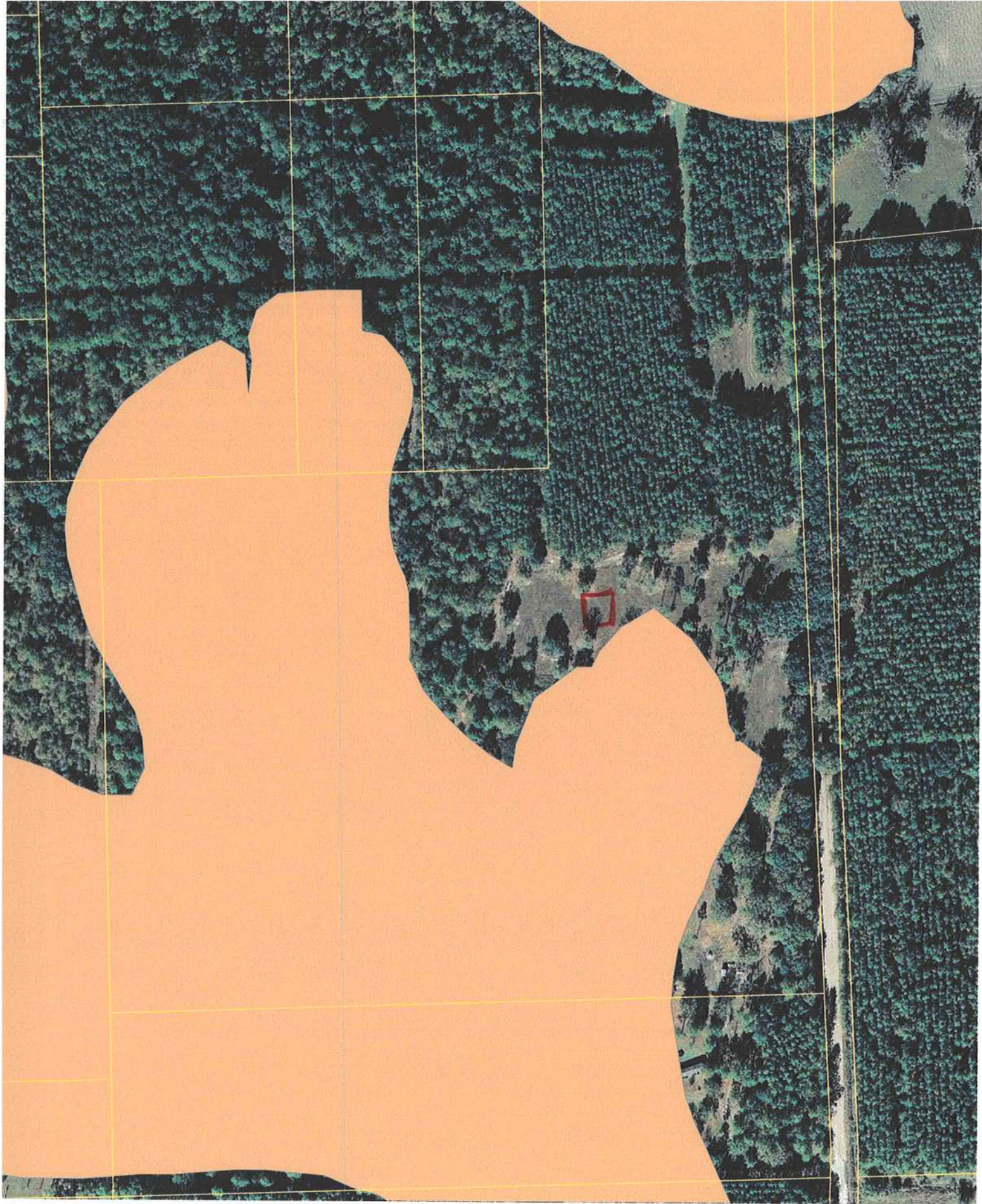
REPLACEMENT HOME, NO CHANGE REQ IN ADDRESS

Address Issued By:



Columbia County 9-1-1 Addressing / GIS Department

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.



0907-41

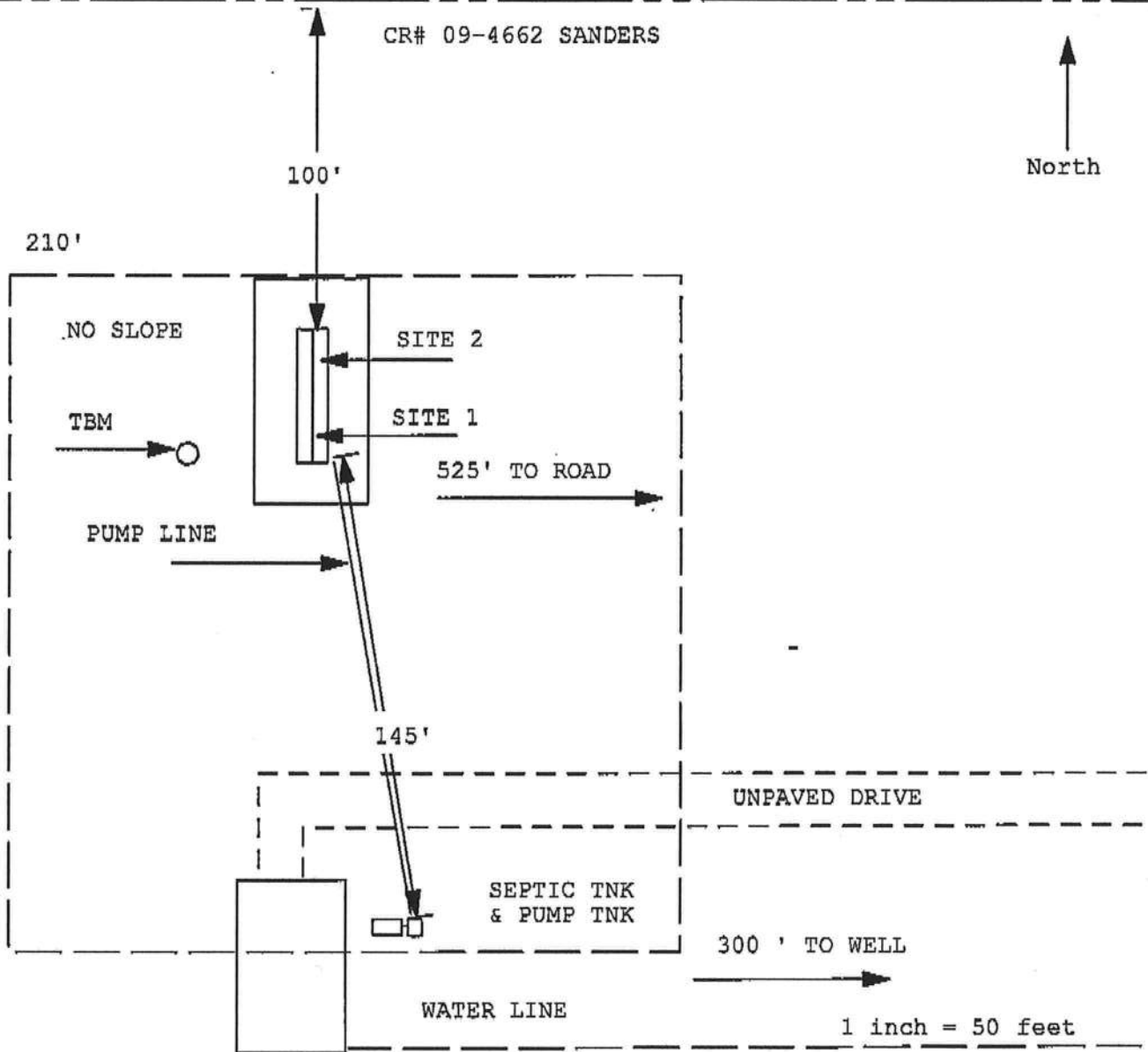


Columbia County Property Appraiser		0 230 460 690 ft	
J. Doyle Crews, CFA - Lake City, Florida - 386-758-1083			
PARCEL: 28-2S-17-04772-001 - TIMBERLAND (005500)			
Name: SANDERS ROBERT A & PEGGY	LandVal	\$1,250.00	
W	BldgVal	\$0.00	
Site:	ApprVal	\$17,420.00	
1213 SW HOWELL ST	JustVal	\$169,892.00	
Mail: (JTWRS)	Assd	\$17,420.00	
LAKE CITY, FL 32024	Exmpt	\$0.00	
Sales Info		County: \$17,420.00 City:	
	Taxable	\$17,420.00	
		Other: \$17,420.00 School:	
		\$17,420.00	

This information, GIS Map Updated: 7/22/2009, was derived from data which was compiled by the Columbia County Property Appraiser Office solely for the governmental purpose of property assessment. This information should not be relied upon by anyone as a determination of the ownership of property or market value. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. Although it is periodically updated, this information may not reflect the data currently on file in the Property Appraiser's office. The assessed values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 09-0401-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul Rlygo Date 7/2/09
 Plan Approved Not Approved Date _____

By Salbi Ford EH Director Columbia CPHU

Notes: 7-29-09

Prepared by: Dale C. Ferguson
Attorney at Law
P.O. Box 111
Lake City, Florida 32056-0111

WARRANTY DEED

THIS INDENTURE, Made this 20th day of April, 1998, BETWEEN SAMUEL TILDON STALVEY, a married man not residing on the below described real property, party of the first part, and ROBERT A. SANDERS, a single person and PEGGY W. SANDERS, a single person, whose post office address is P.O. Box 3383, Lake City, FL 32056, and whose social security numbers are [REDACTED] and [REDACTED], respectively, parties of the second part.

WITNESSETH, That the party of the first part, for and in consideration of the sum of Ten and No/100 (\$10.00) Dollars, to him in hand paid by the said parties of the second part, the receipt whereof is hereby acknowledged, has granted, bargained, and sold to the said parties of the second part, their heirs and assigns forever, the following described land, situate, and being in the County of Columbia, State of Florida, to-wit:

Township 2 South - Range 17 East

Section 28: The North 1/2 of the South 1/2 of the SW 1/4 of the SW 1/4, being subject to the county road right of way.

LESS AND EXCEPT:

Township 2 South - Range 17 East

The West 10 of the following:

Section 28: The North 1/2 of the South 1/2 of the SW 1/4 of the SW 1/4, being subject to the County Road right of way.

Subject to real property taxes accruing subsequent to December 31, 1997 and subject to easements and mineral rights and interest of record.

And the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

IN WITNESS WHEREOF, The said party of the first part has hereunto set his hand and seal the day and year first above written.

Signed, sealed and delivered
in the presence of:

[Signature]
Printed Name: Robert A. Sanders

[Signature]
SAMUEL TILDON STALVEY

[Signature]
Printed Name: Dale C. Ferguson

Address: P.O. Box 3383
Lake City, FL 32056

"Witnesses"

EX 0857 PG 0442
OFFICIAL RECORDS

98-06243

FILED AND RECORDED IN PUBLIC
RECORDS OF COLUMBIA COUNTY, FL
1998 APR 22 AM 11:28

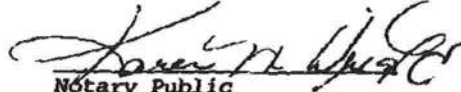
Documentary Stamp \$ 112.00
Intangible Tax 6
P. DeWitt Canon
Clerk of Court
By [Signature] D.C.

RECEIVED
P. DeWitt Canon
CLERK OF COURTS
COLUMBIA COUNTY, FLORIDA
BY [Signature] D.C.

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 20th
day of April, 1998, by Samuel Tildon Stalvey, a married man who is
personally known to me or who has produced Personal Knowledge as
identification and who did not take an oath.

(Notarial Seal)


Notary Public

Commission No. _____
My commission expires: _____



BK 0857 PG 0443
OFFICIAL RECORDS

District No.1. Ronald Williams
District No.2. Dewey Weaver
District No.3 -George Skinner
District No.4 -Kenneth E. Witt
District No.5 -James Montgomery

DATE 6-24-09

PERMIT #. _____

APPLICATION FOR CULVERT WAIVER

APPLICANT: William G. wood WindTech Contracting Corp.

MAILING ADDRESS: 2747 S.W main Blvd
Lake city, FL 32025

PHONE#: 386-755-8699

OWNER OF PROPERTY: Robert Sanders

STREET ADDRESS OR LOCATION OF PROPERTY: 138
~~418~~ NE Back^{Road} Terrace
1200ft on left

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPT. IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNED: _____
(applicant)

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

_____ APPROVED

_____ NOT APPROVED

FEE: \$25.00

SIGNED: _____

COMMENTS: _____

DATE: _____
PUBLIC WORKS DEPT:

District No.1. Ronald Williams
District No.2. Dewey Weaver
District No.3 -George Skinner
District No.4 -Kenneth E. Witt
District No.5 -James Montgomery

DATE 6-24-09

PERMIT #. _____

APPLICATION FOR CULVERT WAIVER

APPLICANT: William G. wood WindTech Contracting Corp.

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Lake city, FL 32025

PHONE#: 386-755-8699

OWNER OF PROPERTY: Robert Sanders

STREET ADDRESS OR LOCATION OF PROPERTY: 138
~~418~~ NE Back ~~woods~~ Road Terrace
1200ft on left

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_____ APPROVED

_____ NOT APPROVED

FEE: \$25.00

SIGNED: _____

PUBLIC WORKS DEPT:

COMMENTS: _____

DATE: _____

A&B Well Drilling, Inc.

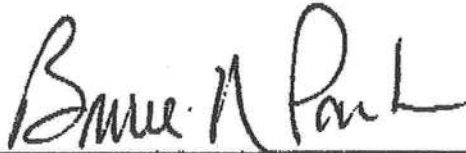
5573 NW Lake Jeffery Road
Lake City, FL 32055
Telephone: (386) 758-3408
Cell: (386) 623-3151
Fax: (386) 758-3410
Owner: Bruce Park

July 14, 2009

To: Columbia County Building Department
Description of Well to be installed for Customer
Located @ Address:

Robert Sanders
38 NE Backroad Terr. Lake City, FL 32055

1 HP 15 GPM submersible pump, 1 1/2" drop pipe, 86 gallon captive tank, and backflow prevention.
With SRWMD permit.



Sincerely,
Bruce N. Park
President

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: SANDERS RESIDENCE
 Street:
 City, State, Zip: , FL ,
 Owner: SANDERS
 Design Location: FL, Gainesville

Builder Name: WIND TECH CONTRACTING
 Permit Office: *Columbia*
 Permit Number: *27986*
 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?	No	
6. Conditioned floor area (ft ²)	1635	
7. Windows	Description	Area
a. U-Factor:	Dbl, default	174.00 ft ²
SHGC:	Clear, default	
b. U-Factor:	N/A	ft ²
SHGC:		
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Raised Floor	R=5.0	1635.10 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=19.0	1840.00 ft ²
b. Frame - Wood, Exterior	R=5.0	1200.00 ft ²
c. N/A	R=	ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	1635.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6,	260 ft ²	
12. Cooling systems		
a. Central Unit	Cap: 44.5 kBtu/hr	SEER: 14
13. Heating systems		
a. Electric Heat Pump	Cap: 44.5 kBtu/hr	HSPF: 9
14. Hot water systems		
a. Electric	Cap: 40 gallons	EF: 0.93
b. Conservation features	None	
15. Credits	None	

Glass/Floor Area: 0.106

Total As-Built Modified Loads: 45.19

Total Baseline Loads: 56.36

PASS

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

PREPARED BY: *Larry Resmondo a/c*
 DATE: *July 16 2009*

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:	SANDERS RESIDENCE	Bedrooms:	3	Address Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	SANDERS	Conditioned Area:	1635	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	WIND TECH CONTRACTING	Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	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	R-Value	Area	Tile	Wood	Carpet
_____	1	Raised Floor		1635.1 ft²	5	0	0 1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or Shed	Composition shingles	1723 ft²	272 ft²	Medium	0.9	N	0	18.4 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1635 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	1635 ft²	0.1	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	19	1840 ft²	0	0.25	0.8
_____	2	-	Exterior	Frame - Wood	5	1200 ft²	0	0.25	0.8

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	N	Wood	None	0.39	56 ft²

WINDOWS

Window orientation below is as entered. Actual orientation is modified by rotate angle shown in "Project" section above.

✓ #	Ornt	Frame	Panels	NFRC	U-Factor	SHGC	Storms	Area	Overhang			Int Shade	Screening
									Depth	Separation			
1	N	Wood	Double (Clear)	No	0.87	0.66	N	21 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
2	N	Wood	Double (Clear)	No	0.87	0.66	N	20 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
3	N	Wood	Double (Clear)	No	0.87	0.66	N	18 ft²	8 ft 0 in	1 ft 0 in	HERS 2006	None	
4	N	Wood	Double (Clear)	No	0.87	0.66	N	50 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None	
5	N	Wood	Double (Clear)	No	0.87	0.66	N	65 ft²	8 ft 0 in	1 ft 0 in	HERS 2006	None	

INFILTRATION & VENTING

✓ Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time Fraction	Fan Watts
						Supply CFM	Exhaust CFM		
Default	0.00036	1544	7.08	84.8	159.4	0 cfm	0 cfm	0	0

COOLING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
1	Central Unit	None	SEER: 14	44.5 kBtu/hr	cfm	0.7	FALSE

HEATING SYSTEM

✓ #	System Type	Subtype	Efficiency	Capacity	Ductless
1	Electric Heat Pump	None	HSPF: 9	44.5 kBtu/hr	FALSE

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 Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
None	None			ft²		

DUCTS

✓ #	---- Supply ----			---- Return ----		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
	Location	R-Value	Area	Location	Area						
1	Attic	6	260 ft²	Attic	45 ft²	Default Leakage	Interior				

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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>
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	<input checked="" type="checkbox"/>

Thermostat Schedule: HERS 2006 Reference

Schedule Type	Hours												
	1	2	3	4	5	6	7	8	9	10	11	12	
Cooling (WD)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68
Heating (WEH)	AM	68	68	68	68	68	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	68	68

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 80

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

, , FL,

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=19.0	1840.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Exterior	R=5.0	1200.00 ft ²
4. Number of Bedrooms	3		c. N/A	R=	ft ²
5. Is this a worst case?	No		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	1635		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	1635.00 ft ²
a. U-Factor:	Dbl, default	174.00 ft ²	b. N/A	R=	ft ²
SHGC:	Clear, default		c. N/A	R=	ft ²
b. U-Factor:	N/A	ft ²	11. Ducts		
SHGC:			a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 260 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 44.5 kBtu/hr	SEER: 14
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 44.5 kBtu/hr	HSPF: 9
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.93
8. Floor Types	Insulation	Area	b. Conservation features		
a. Raised Floor	R=5.0	1635.10 ft ²	None		
b. N/A	R=	ft ²	15. Credits		None
c. N/A	R=	ft ²			

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 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.

American Title Services

Permit Number: _____

Tax Folio Number: 04772-001 Parent

State of: Florida
County of: Columbia

File Number: 09-242

NOTICE OF COMMENCEMENT

Inst: 200912012375 Date: 7/24/2009 Time: 3:01 PM
DC, P DeWitt Cason, Columbia County Page 1 of 1 B:11/7 P:2183

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:

TOWNSHIP 2 SOUTH, RANGE 17 EAST

SECTION 28: BEGIN AT THE NE CORNER OF THE SW 1/4 OF THE SW 1/4 OF SECTION 28, TOWNSHIP 2 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA, AND RUN SOUTH 89° 10' 15" WEST, ALONG THE NORTH LINE OF SAID SW 1/4 OF SW 1/4, 626.37 FEET, THENCE SOUTH 00° 00' 07" EAST, 348.45 FEET, THENCE NORTH 89° 10' 15" EAST, 626.37 FEET TO THE EAST LINE OF SAID SW 1/4 OF SW 1/4, THENCE NORTH 00° 00' 07" WEST ALONG SAID EAST LINE, 348.45 FEET TO THE POINT OF BEGINNING. IN COLUMBIA COUNTY, FLORIDA.
2. General Description of Improvements: RESIDENTIAL
3. Owner Information:
 - a. Name and Address: ROBERT A. SANDERS, 1213 SW Howell Street, Lake City, Florida 32024
 - b. Interest in property: Fee Simple
 - c. Names and address of fee simple title holder (if other than owner):
4. Contractor: WIND TECH CONTRACTING CORP., (Chuck Woods)
2747 SW MAIN BLVD., LAKE CITY, FL. 32025
5. Surety: N/A
6. Lender: Columbia Bank, 173 NW Hillsboro Street, Lake City, Florida 32055
7. Persons within the State of Florida designated by Owner upon whom notices or other documents may be served as provided by Section 713.13(1)(a)7., Florida Statutes.
8. In addition to himself, Owner designates the following persons to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b), Florida Statutes.
9. Expiration date of Notice of Commencement (the expiration date is 1 year from date of recording unless a different date is specified): JULY 24, 2010.

Robert A. Sanders
ROBERT A. SANDERS

Sworn to and subscribed before me July 24, 2009 by ROBERT A. SANDERS who is personally known to me or who did provide Drivers License as identification.

Megan M. Harrell
Notary Public
My Commission Expires: _____





**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
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		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.) Total (Sq. Ft.) under roof	IIIIIIII	IIIIIIII	IIII
	1435 2345			

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	IIIII	IIII	IIIII
		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 ²), 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	✓		
18	Location and size of skylights with Florida Product Approval			✓
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			✓
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)	✓		
27	Stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails (see FBCR SECTION 311)			✓
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
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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.			✓
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	✓		

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	✓		
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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			✓

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			✓
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers			✓
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers			✓
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			✓
49	Show Draftstopping, Fire caulking and Fire blocking			✓
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309			✓
51	Provide live and dead load rating of floor framing systems (psf).			✓

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

GENERAL REQUIREMENTS: APPLICANT -- PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL		Items to Include- Each Box shall be Circled as Applicable		
		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			✓
66	Connectors to wall assemblies' include assemblies' resistance to uplift rating			✓
67	Valley framing and support details			✓
68	Provide dead load rating of rafter system			✓

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	<input checked="" type="checkbox"/>		
72	Submit Florida Product Approval numbers for each component of the roof assembles covering	<input checked="" type="checkbox"/>		

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	<input checked="" type="checkbox"/>		
74	Attic space	<input checked="" type="checkbox"/>		
75	Exterior wall cavity	<input checked="" type="checkbox"/>		
76	Crawl space			<input checked="" type="checkbox"/>

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	<input checked="" type="checkbox"/>		
78	Exhaust fans locations in bathrooms	<input checked="" type="checkbox"/>		
79	Show clothes dryer route and total run of exhaust duct	<input checked="" type="checkbox"/>		

Plumbing Fixture layout shown

80	All fixtures waste water lines shall be shown on the foundation plan			
81	Show the location of water heater	<input checked="" type="checkbox"/>		

Private Potable Water

82	Pump motor horse power	<input checked="" type="checkbox"/>		
83	Reservoir pressure tank gallon capacity	<input checked="" type="checkbox"/>		
84	Rating of cycle stop valve if used	<input checked="" type="checkbox"/>		

Electrical layout shown including

85	Switches, outlets/receptacles, lighting and all required GFCI outlets identified	<input checked="" type="checkbox"/>		
86	Ceiling fans	<input checked="" type="checkbox"/>		
87	Smoke detectors & Carbon dioxide detectors	<input checked="" type="checkbox"/>		
88	Service panel, sub-panel, location(s) and total ampere ratings	<input checked="" type="checkbox"/>		
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.	<input checked="" type="checkbox"/>		

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.

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058	✓		✓
95	City of Lake City A permit showing an approved waste water sewer tap			✓
96	Toilet facilities shall be provided for all construction sites			
97	Town of Fort White (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.			✓
98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting 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			✓
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established			✓
100	A development permit will also be required. Development permit cost is \$50.00			✓
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	911 Address: 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 received 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: Backwood Terrace **Project Name:** Sanders

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Masonite	Side hinged fiberglass door	4668.1 4668.9
2. Sliding	—		
3. Sectional	—		
4. Roll up	—		
5. Automatic	—		
6. Other			
B. WINDOWS			
1. Single hung	YKK AP	Vinyl window	FS886.1
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	—		
C. PANEL WALL			
1. Siding			FL 889-R
2. Soffits			FL 4899
3. EIFS	—	Vinyl siding p-5	FL 4905
4. Storefronts	—		
5. Curtain walls	—		
6. Wall louver	—		
7. Glass block	—		
8. Membrane	—		
9. Greenhouse	—		
10. Other	—		
D. ROOFING PRODUCTS			
1. Asphalt Shingles	EIK/GAF	30yr shingles	FL 586-R2
2. Underlayments		30# felt	FL 1814-R1
3. Roofing Fasteners			
4. Non-structural Metal Rf	—		
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(s)
13. Liquid Applied Roof Sys	—		
14. Cements-Adhesives – Coatings	—		
15. Roof Tile Adhesive	—		
16. Spray Applied Polyurethane Roof	—		
17. Other	—		
E. SHUTTERS			
1. Accordion	—		
2. Bahama	—		
3. Storm Panels	—		
4. Colonial	—		
5. Roll-up	—		
6. Equipment	—		
7. Others	—		
F. SKYLIGHTS			
1. Skylight	—		
2. Other	—		
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			FL 474-R1
2. Truss plates			
3. Engineered lumber			FL1008 R
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds	—		
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
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 inspecti

Contractor or Contractor's Authorized Agent Signature

Print Name

Date

Load Short Form

Entire House

LARRY RESMONDO AIR CONDITIONING AND HEATING

Job: SABDERS RESIDENCE

Date: Jul 14, 2009

By:

715 NW 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoair@aol.com

Project Information

For: CHUCK WOOD, WIND TECH CONTRACTING

Design Information

	Htg	Clg		Infiltration
Outside db (°F)	33	92	Method	Simplified
Inside db (°F)	70	75	Construction quality	Average
Design TD (°F)	37	17	Fireplaces	1 (Semi-tight)
Daily range	-	M		
Inside humidity (%)	50	50		
Moisture difference (gr/lb)	33	52		

HEATING EQUIPMENT

Make	Ruud
Trade	RUUD UPPL SERIES
Model	UPPL-042J*Z
ARI ref no.	1285379
Efficiency	9 HSPF
Heating input	
Heating output	40000 Btuh @ 47°F
Temperature rise	25 °F
Actual air flow	1483 cfm
Air flow factor	0.032 cfm/Btuh
Static pressure	0.10 in H2O
Space thermostat	

COOLING EQUIPMENT

Make	Ruud
Trade	RUUD UPPL SERIES
Cond	UPPL-042J*Z
Coil	UHLL-HM4821+RCSL-H*4821A*
ARI ref no.	1285379
Efficiency	12.2 EER, 14 SEER
Sensible cooling	31150 Btuh
Latent cooling	13350 Btuh
Total cooling	44500 Btuh
Actual air flow	1483 cfm
Air flow factor	0.056 cfm/Btuh
Static pressure	0.10 in H2O
Load sensible heat ratio	0.91

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
BEDROOM 2	152	4042	2034	128	113
FAMILY ROOM	389	11135	5216	353	290
HALL	73	1496	605	47	34
UTILITY	42	859	2748	27	153
BEDROOM 3	169	5243	2626	166	146
BATH 2	57	1166	472	37	26
KITCHEN	132	3427	3883	109	216
DINING	168	6806	3327	216	185
W.I.C.	66	1630	651	52	36
MASTER BEDROOM	256	7441	3568	236	199
MASTER BATH	132	3478	1502	110	84

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Entire House	1635	46723	26631	1483	1483
Other equip loads		0	0		
Equip. @ 0.97 RSM			25832		
Latent cooling			2716		
TOTALS	1635	46723	28548	1483	1483

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.



Building Analysis Entire House

LARRY RESMONDO AIR CONDITIONING AND HEATING

Job: SABDERS RESIDENCE
Date: Jul 14, 2009
By:

715 NW 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoair@aol.com

Project Information

For: CHUCK WOOD, WIND TECH CONTRACTING

Design Conditions

Location:

Gainesville, FL, US
Elevation: 151 ft
Latitude: 30°N

Outdoor:

Dry bulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

Cooling

33
-
-
15.0

92
19 (M)
77
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

70
37
50
32.8

Cooling

75
17
50
52.0

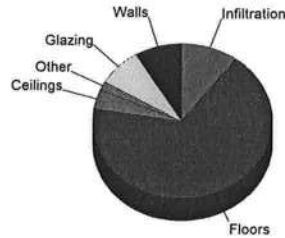
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
1 (Semi-tight)

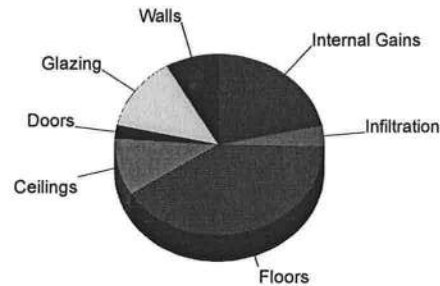
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	1.4	4051	8.7
Glazing	21.2	3693	7.9
Doors	14.4	808	1.7
Ceilings	1.2	1936	4.1
Floors	19.3	31518	67.5
Infiltration	2.6	4718	10.1
Ducts		0	0
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		46723	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	0.8	2195	8.2
Glazing	20.3	3535	13.3
Doors	11.4	637	2.4
Ceilings	1.7	2755	10.3
Floors	6.6	10776	40.5
Infiltration	0.6	1014	3.8
Ducts		0	0
Ventilation		0	0
Internal gains		5720	21.5
Blower		0	0
Adjustments		0	0
Total		26631	100.0



Overall U-value = 0.226 Btuh/ft²-°F

Data entries checked.

Project Summary
Entire House
LARRY RESMONDO AIR CONDITIONING AND
HEATING

Job: SABDERS RESIDENCE
 Date: Jul 14, 2009
 By:

715 NW 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoair@aol.com

Project Information

For: CHUCK WOOD, WIND TECH CONTRACTING

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db 33 °F
 Inside db 70 °F
 Design TD 37 °F

Summer Design Conditions

Outside db 92 °F
 Inside db 75 °F
 Design TD 17 °F
 Daily range M
 Relative humidity 50 %
 Moisture difference 52 gr/lb

Heating Summary

Structure 46723 Btuh
 Ducts 0 Btuh
 Central vent (0 cfm) 0 Btuh
 Humidification 0 Btuh
 Piping 0 Btuh
 Equipment load 46723 Btuh

Sensible Cooling Equipment Load Sizing

Structure 26631 Btuh
 Ducts 0 Btuh
 Central vent (0 cfm) 0 Btuh
 Blower 0 Btuh
 Use manufacturer's data n
 Rate/swing multiplier 0.97
 Equipment sensible load 25832 Btuh

Infiltration

Method Simplified
 Construction quality Average
 Fireplaces 1 (Semi-tight)

	Heating	Cooling
Area (ft ²)	1635	1635
Volume (ft ³)	16350	16350
Air changes/hour	0.43	0.20
Equiv. AVF (cfm)	117	55

Latent Cooling Equipment Load Sizing

Structure 2716 Btuh
 Ducts 0 Btuh
 Central vent (0 cfm) 0 Btuh
 Equipment latent load 2716 Btuh
 Equipment total load 28548 Btuh
 Req. total capacity at 0.70 SHR 3.1 ton

Heating Equipment Summary

Make Ruud
 Trade RUUD UPPL SERIES
 Model UPPL-042J*Z
 ARI ref no. 1285379
 Efficiency 9 HSPF
 Heating input
 Heating output 40000 Btuh @ 47°F
 Temperature rise 25 °F
 Actual air flow 1483 cfm
 Air flow factor 0.032 cfm/Btuh
 Static pressure 0.10 in H2O
 Space thermostat

Cooling Equipment Summary

Make Ruud
 Trade RUUD UPPL SERIES
 Cond UPPL-042J*Z
 Coil UHLL-HM4821+RCSL-H*4821A*
 ARI ref no. 1285379
 Efficiency 12.2 EER, 14 SEER
 Sensible cooling 31150 Btuh
 Latent cooling 13350 Btuh
 Total cooling 44500 Btuh
 Actual air flow 1483 cfm
 Air flow factor 0.056 cfm/Btuh
 Static pressure 0.10 in H2O
 Load sensible heat ratio 0.91

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Duct System Summary

Entire House

LARRY RESMONDO AIR CONDITIONING AND HEATING

Job: SABDERS RESIDENCE

Date: Jul 14, 2009

By:

715 NW 1ST AVENUE, HIGH SPRINGS, FL 32643 Phone: 386-454-4433 Fax: 386-454-8843 Email: resmondoair@aol.com

Project Information

For: CHUCK WOOD, WIND TECH CONTRACTING

	Heating	Cooling
External static pressure	0.10 in H2O	0.10 in H2O
Pressure losses	0.25 in H2O	0.25 in H2O
Available static pressure	-0.2 in H2O	-0.2 in H2O
Supply / return available pressure	-0.11 / -0.04 in H2O	-0.11 / -0.04 in H2O
Lowest friction rate	0.100 in/100ft	0.100 in/100ft
Actual air flow	1483 cfm	1483 cfm
Total effective length (TEL)	315 ft	

Supply Branch Detail Table

Name	Design (Btuh)	Htg (cfm)	Clg (cfm)	Design FR	Diam (in)	H x W (in)	Duct Matl	Actual Ln (ft)	Ftg.Eqv Ln (ft)	Trunk
BEDROOM 2	h 4042	128	113	0.100	6.0	0x0	VIFx	235.0	0	st1
FAMILY ROOM-A	h 5568	177	145	0.100	7.0	0x0	VIFx	235.0	0	st1
FAMILY ROOM	h 5568	177	145	0.100	7.0	0x0	VIFx	235.0	0	st1A
HALL	h 1496	47	34	0.100	4.0	0x0	VIFx	235.0	0	st1
UTILITY	c 2748	27	153	0.100	6.0	0x0	VIFx	235.0	0	st1
BEDROOM 3	h 5243	166	146	0.100	7.0	0x0	VIFx	235.0	0	st1
BATH 2	h 1166	37	26	0.100	4.0	0x0	VIFx	235.0	0	st1
KITCHEN	c 3883	109	216	0.100	8.0	0x0	VIFx	235.0	0	st1
DINING	h 6806	216	185	0.100	8.0	0x0	VIFx	235.0	0	st1
W.I.C.	h 1630	52	36	0.100	4.0	0x0	VIFx	235.0	0	st1
MASTER BEDROOM	h 7441	236	199	0.100	8.0	0x0	VIFx	235.0	0	st1
MASTER BATH	h 3478	110	84	0.100	5.0	0x0	VIFx	235.0	0	st1

Supply Trunk Detail Table

Name	Trunk Type	Htg (cfm)	Clg (cfm)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Duct Material	Trunk
st1	Peak AVF	1483	1483	0.100	839	18.0	0 x 0	RectFbg	
st1A	Peak AVF	177	145	0.100	324	10.0	0 x 0	RectFbg	st1

Bold/italic values have been manually overridden

Return Branch Detail Table

Name	Grill Size (in)	Htg (cfm)	Clg (cfm)	TEL (ft)	Design FR	Veloc (fpm)	Diam (in)	H x W (in)	Stud/Joist Opening (in)	Duct Matl	Trunk
rb2	0x0	128	113	80.0	0.100	653	6.0	0x 0		VIFx	
rb3	0x0	353	290	80.0	0.100	648	10.0	0x 0		VIFx	
rb4	0x0	166	146	80.0	0.100	623	7.0	0x 0		VIFx	
rb5	0x0	236	199	80.0	0.100	677	8.0	0x 0		VIFx	

Attn: Reggie

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001747**

DATE: 08/03/2009 BUILDING PERMIT NO. 27986

APPLICANT WILLIAM WOOD PHONE 755-8699

ADDRESS 2747 SW MAIN BLVD LAKE CITY FL 32025

OWNER ROBERT SANDERS PHONE 758-4766

ADDRESS 138 NE BACKROAD TERR LAKE CITY FL 32055

CONTRACTOR WILLIAM WOOD PHONE 755-8699

LOCATION OF PROPERTY 441N, TR ON CHRISTIE, TL ON BACKROAD TERR, 1200' TO DRIVE
ON LEFT

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

PARCEL ID # 28-2S-17-04772-001

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE *William Wood*

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE CULVERT WAIVER IS:

approved APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: fine as is

SIGNED: *Jimbo Thomas* DATE: 8-10-09

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160



27986

Date: 1/8/10

TERMITE SERVICE REPORT



Customer Name Robert Sanders Phone # (306) 758-4766 Work Phone # _____
 Service Address 138 N.W. Back Road Tama Iowa City IA 52055
 Account Number _____ Infestation Type _____ Guarantee Type SR
 Initial Treatment 8/09 Amount Due _____ Amount Received _____ Cash _____ Check _____
 Service Covered Thru: 8/09 8/10 Completion Date 11/8/10 Renewal Amount _____ Grid # _____
 Bait Activity: Yes No # of Stations: Monitoring _____ Bait _____ Next Service Date: _____
FENAL

Service Initial Treatment Retreatment Service Call (No Treatment) Reinspection Bait Monitoring Annual Bait Reinspection

I. Materials Used (Utilize Product Information Key that includes EPA Reg # and Active Ingredient information on back for completion of this section.)

Product # (From Key)	Amount Applied	Dilution %	Product # (From Key)	Amount Applied	Dilution %
<u>7</u>	<u>1 qt</u>	<u>.06</u>	D) _____	_____	_____
E) _____	_____	_____	F) _____	_____	_____

IV. Conducive Conditions

It is important for you to know that certain conditions in and around your home can contribute to Wood Infesting Organisms and can therefore compromise the effectiveness of Orkin's treatment. It is very important that you remedy the Conducive Conditions noted below. If you fail to do so, it may, in some cases, jeopardize your agreement; moreover, it is probable that your home will experience future termite activity and damage, and retreatment by Orkin may not solve the termite problem. This report DOES NOT INCLUDE MOLD or any mold-like conditions. Mold is generally not a wood destroying organism and is outside the scope of this report. If you wish your property to be inspected for mold or mold-like conditions, please contact the appropriate mold professional. Please notify us in writing when you have corrected the Conducive Conditions. We identified the following Conducive Condition(s):

Soil above Sill Cellulose material in contact with ground Improper Ventilation Siding/Stucco in contact with ground
 Roof Leaks Excessive Exterior Moisture Excessive Moisture in Crawlspace Treatment disturbed
 Cellulose material stored in crawl area Excessive Interior Moisture Exterior Insulation Finished System (EIFS) Other _____

States where applicable:
 Wind Direction _____ Wind Velocity _____
 Temperature _____ Humidity _____
 Time on job _____ Target Pest _____

f. Inspection

1) Performed on (Date): _____ B) Activity Found: Yes No _____ Customer Signature _____
 2) Retreatment Scheduled Date (if needed): _____ D) Customer Home: Yes No _____ Orkin Representative _____

g. Treatment **Thank you for choosing Orkin**

I understand that additions, or modifications to or around the structure can disturb the termiticide treatment and may require additional inspection and treatment.
 The location of these areas are: _____
 This work has been performed to my satisfaction [Signature] _____ Date 1/8/10

Warning--Pesticides can be harmful. Keep Children and pets away from pesticide applications until dry, dissipated or aerated.
 For more information contact Orkin, business License # _____ at 1-800-800-6754.
[Signature] Orkin Representative - Full Name _____ CA # (if applicable) 8204 _____ Date 1/8/10

Orkin Street Address: 2943 Washington rd _____ **CUSTOMER COPY**
 City/State/Zip: Hawville IA 52005 _____ Branch Phone #: 378-1401

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:1TSS8228Z0224163301

Truss Fabricator: Anderson Truss Company
Job Identification: 9-139--WindTech Sanders -- , **
Truss Count: 9
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-PB140-

#	Ref	Description	Drawing#	Date
1	71407--A1		09175004	06/24/09
2	71408--A2		09175005	06/24/09
3	71409--A3		09175006	06/24/09
4	71410--A-GE		09175007	06/24/09
5	71411--AA-GE		09175008	06/24/09
6	71412--B1		09175002	06/24/09
7	71413--B-GE		09175003	06/24/09
8	71414--PB1		09175009	06/24/09
9	71415--PB2		09175010	06/24/09



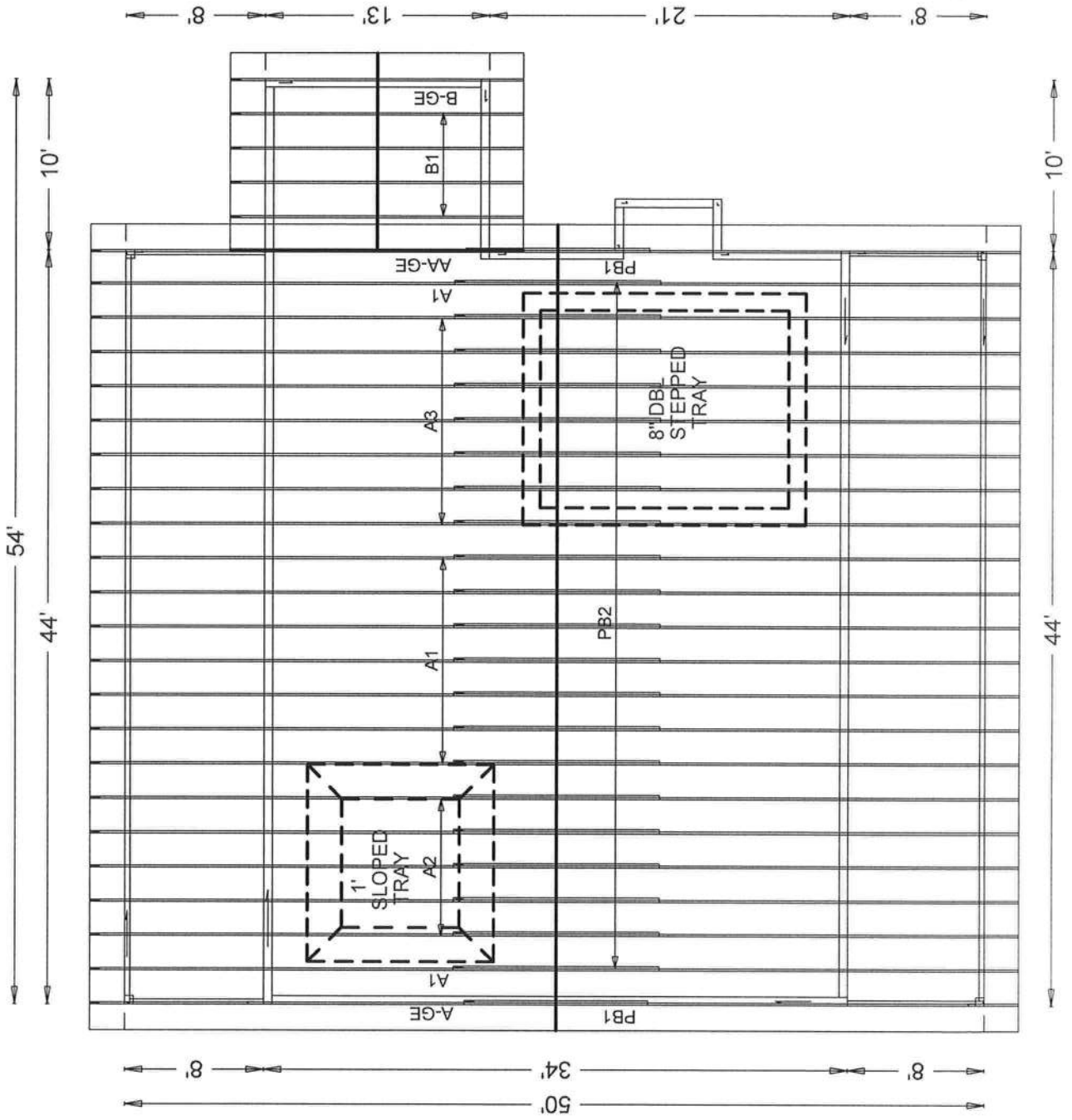
Seal Date: 06/24/2009

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
1950 Marley Drive
Haines City, FL 33844



**#9-139
WINDTECH-
SANDERS**

Roof Plane Sheathing Area = 3056 sq. ft
 Gable Sheathing Area = 706 sq. ft
 Total Sheathing Area = 3763 sq. ft
 Fascia Material = 257 linear ft
 Ridge Cap Material = 59 linear ft



JOB DESCRIPTION: WindTech
 /: Sanders

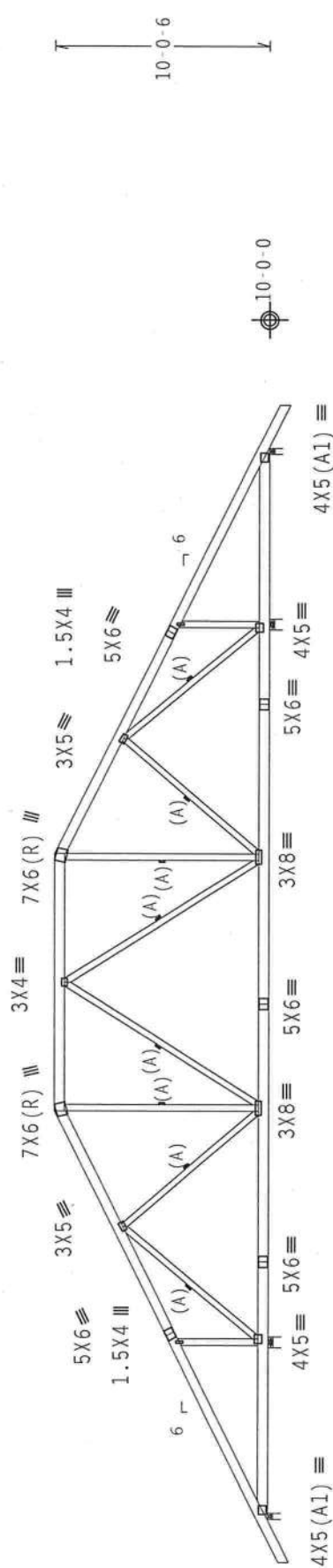
JOB NO:
 9-139

PAGE NO:
 1 OF 1

110 mph wind, 15.00 ft mean ht, 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

Wind reactions based on MWFRS pressures.
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
 Bottom chord checked for 10.00 psf non-concurrent live load.
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Roof overhang supports 2.00 psf soffit load.
 (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.
 Deflection meets L/240 live and L/180 total load.



R-2070 U=405 W=6"
 R-435 U=88 W=3.5"

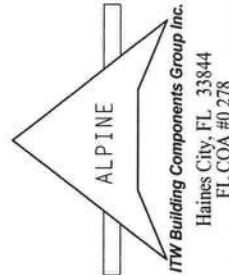
Design Crit: FBC2007Res/TPI-2002(STD)
 FT/RT=10% (0%)/0 (0)

TC LL	20.0 PSF	Scale = .125" / Ft.
TC DL	10.0 PSF	REF R8228- 71407
BC DL	10.0 PSF	DATE 06/24/09
BC LL	0.0 PSF	DRW HCUSR8228 09175004
TOT.LD.	40.0 PSF	HC-ENG DLJ/DLJ
DUR.FAC.	1.25	SEQN- 31988
SPACING	24.0"	FROM AH
		JREF- 1TSS8228Z02



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE NATIONAL TRUSS COUNCIL OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NETA (WOOD TRUSS COUNCIL OF AMERICA, 1000 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL LABELS 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. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI 1. ITW BEG CONNECTOR PLATES ARE MADE OF 70/18/16GA (N-H/SS/K) ASTM A653 GRADE 40/60 (4, 6/8, SS) 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 (3) SHALL BE PER ABX AS OF 10/1-2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SHALIBLY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



PLT TYP. Wave

QTY: 9

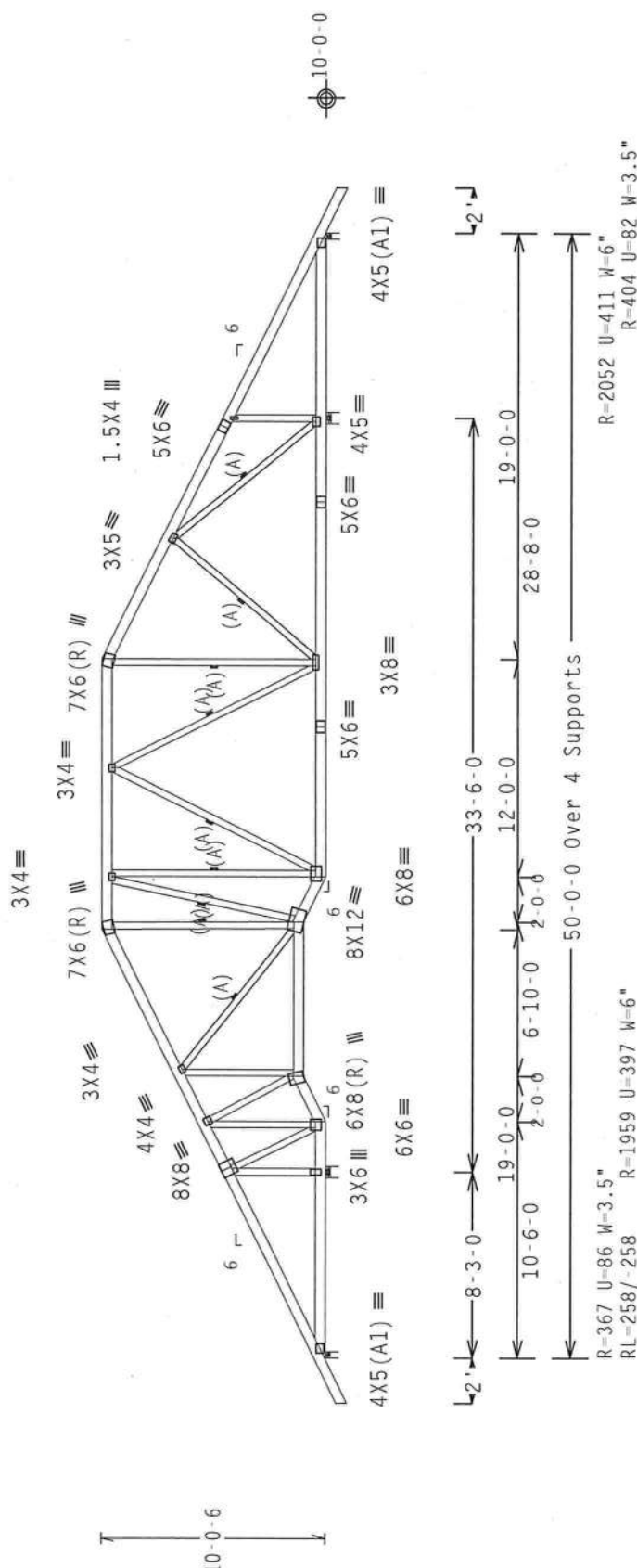
FL/-/4/-/-/R/-

(9-139--WindTech Sanders --, ** - A2)

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

Wind reactions based on MWFRS pressures.
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
 Bottom chord checked for 10.00 psf non-concurrent live load.
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Roof overhang supports 2.00 psf soffit load.
 (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.
 Deflection meets L/240 live and L/180 total load.



Design Crit: FBC2007Res/TPI-2002 (STD)
 FT/RT=10% (0%) / 0 (0)

TC LL	20.0 PSF	Scale = .125" / Ft.
TC DL	10.0 PSF	REF R8228 - 71408
BC DL	10.0 PSF	DATE 06/24/09
BC LL	0.0 PSF	DRW HCUSR8228 09175005
TOT. LD.	40.0 PSF	HC-ENG DLJ/DLJ
DUR. FAC.	1.25	SEQN- 31999
SPACING	24.0"	FROM AH
		JREF- ITSS8228Z02



PLT TYP. Wave

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RESI (BUILDING COMPONENT SAFETY IMPROVEMENT) PUBLISHED BY THE U.S. DEPARTMENT OF COMMERCE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND METC (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 TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. ITW BEG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2018/186A (W-HYSS/PA) ASTM A653 GRADE 40/60 (4, 8/16, SS) 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 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 SOLE RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TPI 1 SEC. 2.

ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

(9-139--WindTech Sanders --, ** - A3)

Top chord 2x6 SP #2
 Bot chord 2x6 SP #2 :B3, B6 2x4 SP #2 Dense:
 Webs 2x4 SP #3

110 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. Iw=1.00 GCpi(+/-)-0.55

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

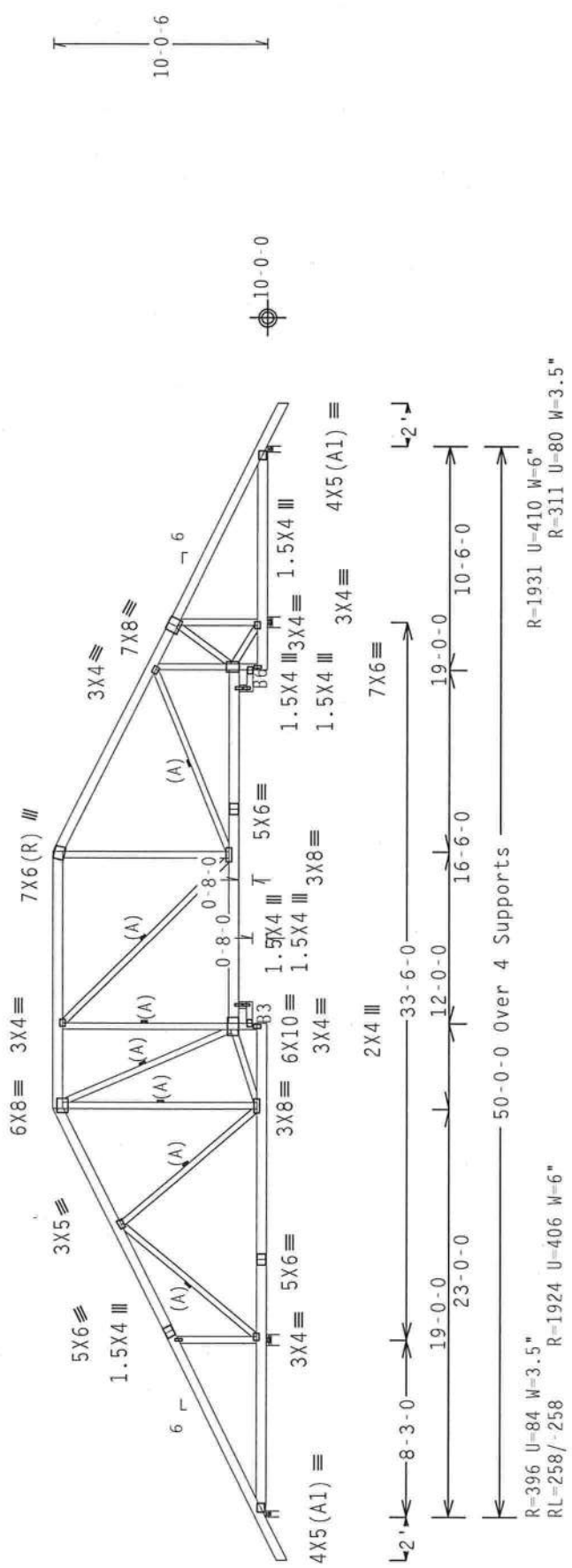
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: FBC2007Res/TPI-2002 (STD)
 FT/RT=10% (0%)/0(0) 8.07.06

TC LL	20.0 PSF	FL / - / 4 / - / - / R / -	Scale = .125" / Ft.
TC DL	10.0 PSF	REF R8228 - 71409	
BC DL	10.0 PSF	DATE 06/24/09	
BC LL	0.0 PSF	DRW HCUSR8228 09175006	
TOT. LD.	40.0 PSF	HC-ENG DLJ/DLJ	
DUR. FAC.	1.25	SEQN - 32040	
SPACING	24.0"	FROM AH	
		JREF - 1TSS8228Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND METAL 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 TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BY ACPA AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 2018T/16GA (4-HYSS/P) ASTM A653 GRADE 40/60 (4, 8/16-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOGATED ON THIS DESIGN, POSITION PER DRAWINGS 1608-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

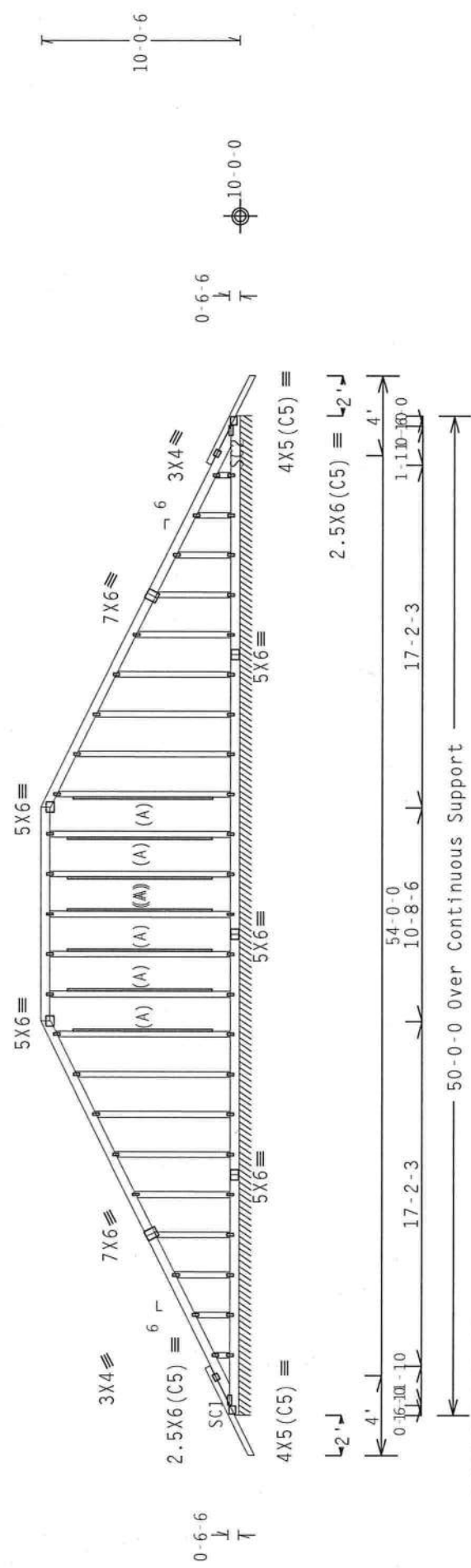
ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

PLT TYP. Wave

Top chord 2x6 SP #2
 Bot chord 2x6 SP #2
 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.
 (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.
 In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
 Truss passed check for 20 psf additional bottom chord live load in areas
 with 42"-high x 24"-wide clearance.
 WARNING: Furnish a copy of this DWG to the installation contractor.
 Special care must be taken during handling, shipping and installation of
 trusses. See "WARNING" note below.
 See DWGS A140GC020109 & A140GS020109 for more 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. Iw=1.00 GCpl(+/-)=0.55
 Wind reactions based on MMFRS pressures.
 Stacked top chord must NOT be notched or cut in area (MNL). 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.
 Bottom chord checked for 10.00 psf non-concurrent live load.
 Deflection meets L/240 live and L/180 total load.



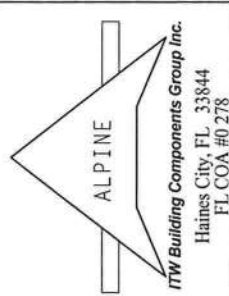
R-176 PLF U-19 PLF W=50-0-0
 RL-5/-5 PLF

Note: All Plates Are 1.5X4 Except As Shown.
 Design Crit: FBC2007Res/TPI-2002(STD)
 FT/RT=10%(0%)/0(0)

Scale = .125"/Ft.	REF R8228- 71410
TC LL 20.0 PSF	DATE 06/24/09
TC DL 10.0 PSF	DRW HCUSR8228 09175007
BC DL 10.0 PSF	HC-ENG DLJ/DLJ
BC LL 0.0 PSF	SEQN- 32102
TOT.LD. 40.0 PSF	FROM AH
DUR.FAC. 1.25	JREF- 1TSS8228Z02
SPACING 24.0"	



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE NATIONAL PLASTICITY, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22304, AND UFGA (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. ITM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AEMPA) AND TPI. ITM BCG CORRELATOR PLATES ARE MADE OF 20/10/1600A (4-MYSS/3) ASTM A653 GRADE 40/60 (4, 8/ZH-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DIMENSIONS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. APPROVED BY DESIGNER SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AHS/TPI 1 SEC. 2.



(9-139--WindTech Sanders --, ** - B1)

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

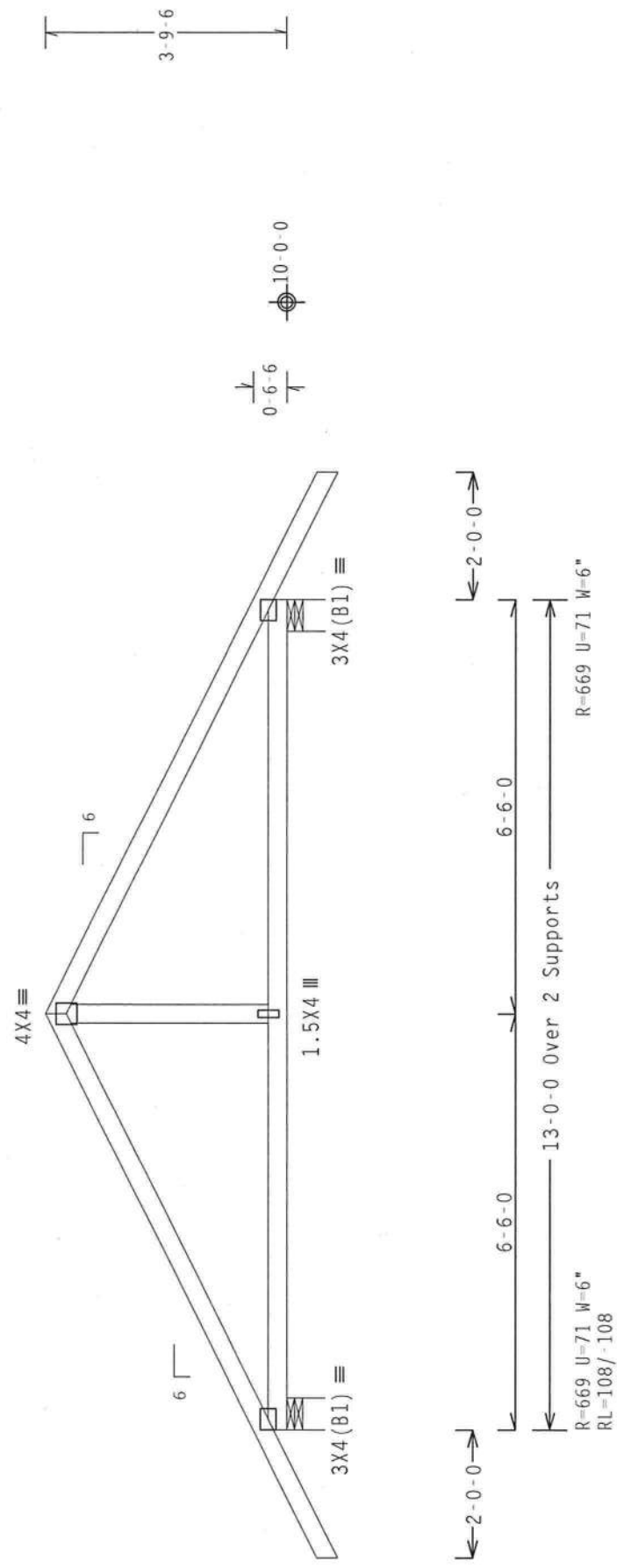
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, Exp B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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.

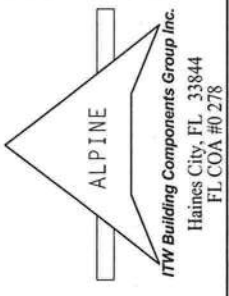


Design Crit: FBC2007Res/TPI-2002 (STD)
 FT/RT=10%(0%)/0(0)

TC LL	20.0 PSF	FL/-/4/-/-/R/-	Scale = .375" / Ft.
TC DL	10.0 PSF	QTY: 4	REF R8228- 71412
BC DL	10.0 PSF		DATE 06/24/09
BC LL	0.0 PSF		DRW HCUSR8228 09175002
TOT.LD.	40.0 PSF		HC-ENG DLJ/DLJ *
DUR.FAC.	1.25		SEQN- 32188
SPACING	24.0"		FROM AH
			JREF- 1TSS8228Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE COMPANY HAS A QUALITY CONTROL PROGRAM IN PLACE. THE COMPANY IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CORRODS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018/1666 (A-N/SS/PI) ASTM A653 GRADE 50/60 (N, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. THE INSPECTION OF PLATES FOLLOWED BY THE COMPANY SHALL BE THE RESPONSIBILITY OF THE TRUSS DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.



(9-139--WindTech Sanders --, ** - B-GE)

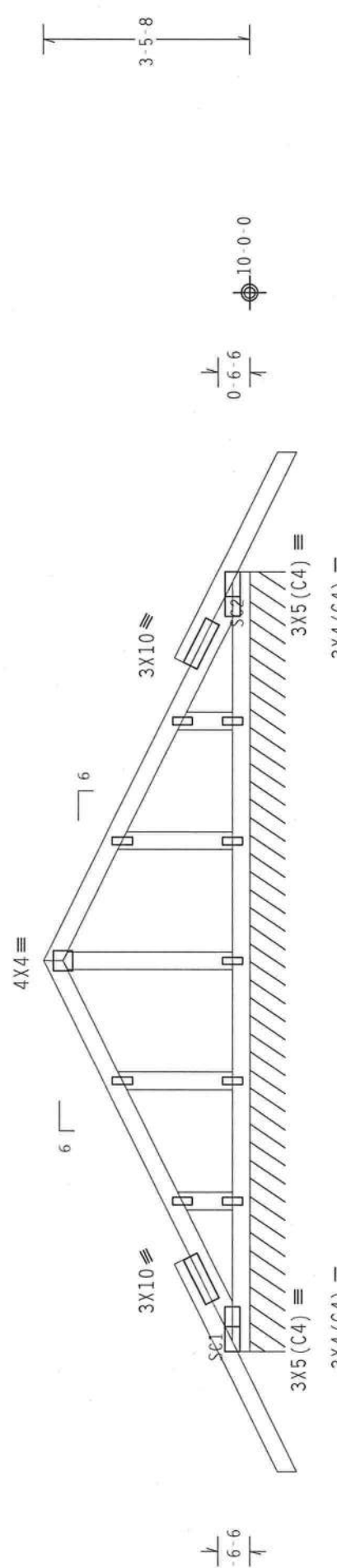
Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Webs 2x4 SP #3
 :Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.
 Bottom chord checked for 10.00 psf non-concurrent live load.
 Deflection meets L/240 live and L/180 total load.
 See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

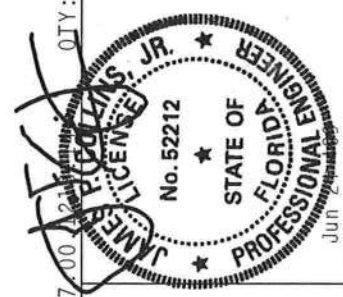
Wind reactions based on MWFRS pressures.

Stacked top chord must NOT be notched or cut in area (NML). 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.



Scale = .375" / Ft.
 QTY: 1
 FL / - / 4 / - / - / R / -
 TC LL 20.0 PSF
 TC DL 10.0 PSF
 BC DL 10.0 PSF
 BC LL 0.0 PSF
 TOT.LD. 40.0 PSF
 DUR.FAC. 1.25
 SPACING 24.0"

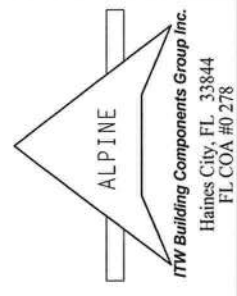
Note: All Plates Are 1.5x4 Except As Shown.
 Design Crit: FBC2007Res/TPI-2002 (STD)
 FT/RT=10%(0%)/0(0) 8.07



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THE USER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THE USER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION. THE USER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.

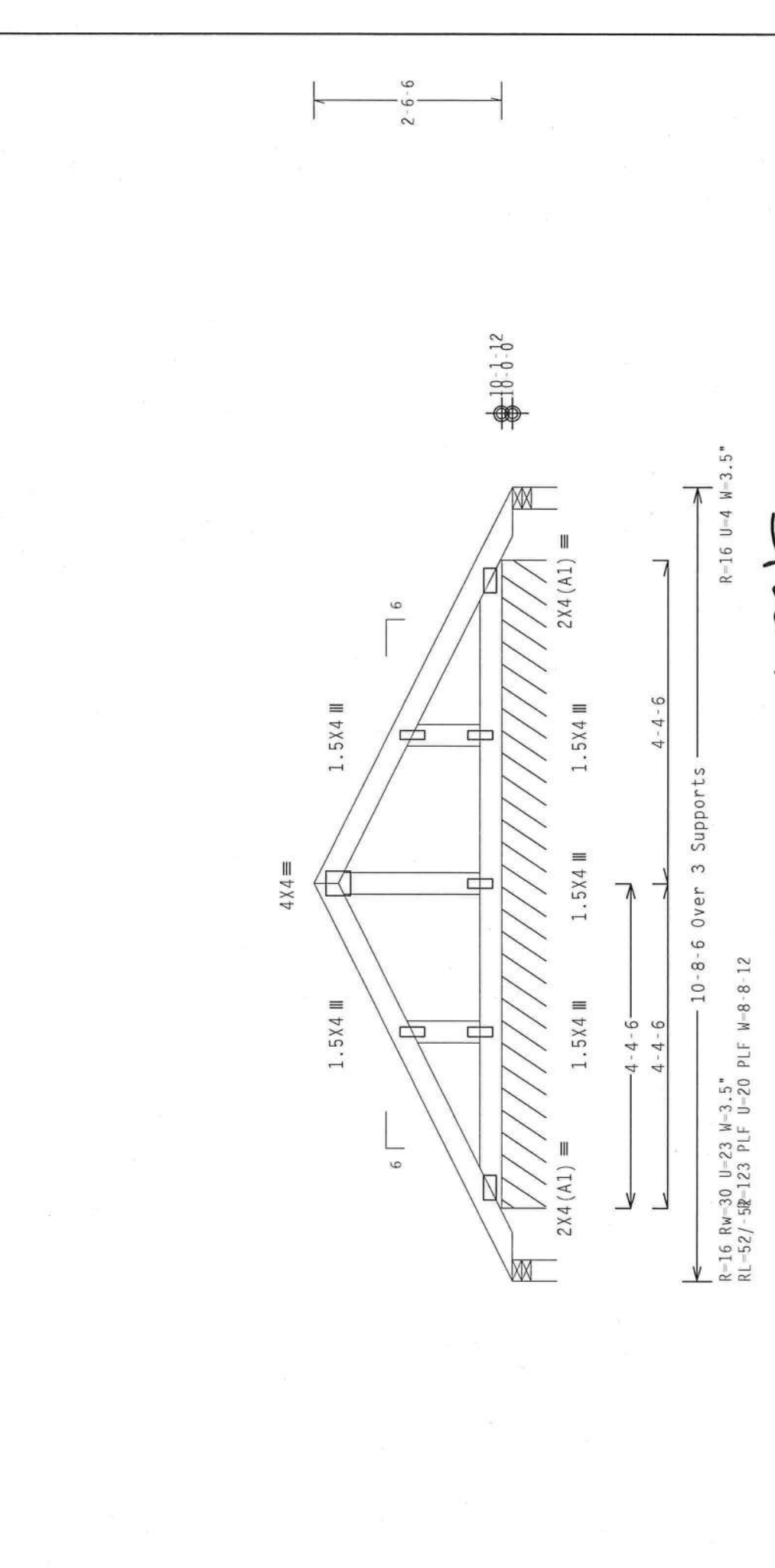
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

DESIGN CORRECTIONS WITH APPLICABLE PROVISIONS OF BCG (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. THE BCG CORRECTOR PLATES ARE MADE OF 20/18/166A (4-H/SS/6) ASTM A653 GRADE 40/60 (4, 8/H-SS) 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 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 SOLIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(9-139--WindTech Sanders --, ** - PBJ)
 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 1-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
 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.
 Refer to DWG PB1400109 for piggyback details.



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002 (STD)
 FT/RT=10%(0%)/0(0)

8.07 QTY: 2 FL/-/4/-/-/R/- Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R8228- 71414
TC DL	10.0 PSF	DATE	06/24/09
BC DL	10.0 PSF	DRW	HCUSR8228 09175009
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN-	32211
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSS8228Z02

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. THE BEG CONTRACTOR PLATES ARE MADE OF 2018/1666 (4-H/55/8) ASTM A563 GRADE 40/60 (R. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES L. GOWINS JR.
 LICENSED PROFESSIONAL ENGINEER
 No. 52212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Jun 24 2009

ALPINE
 ITW Building Components Group Inc.
 Haines City, FL 33844
 FL COA #0278

(9-139--WindTech Sanders --, ** - PBZ)

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

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

Wind reactions based on MMFRS pressures.

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

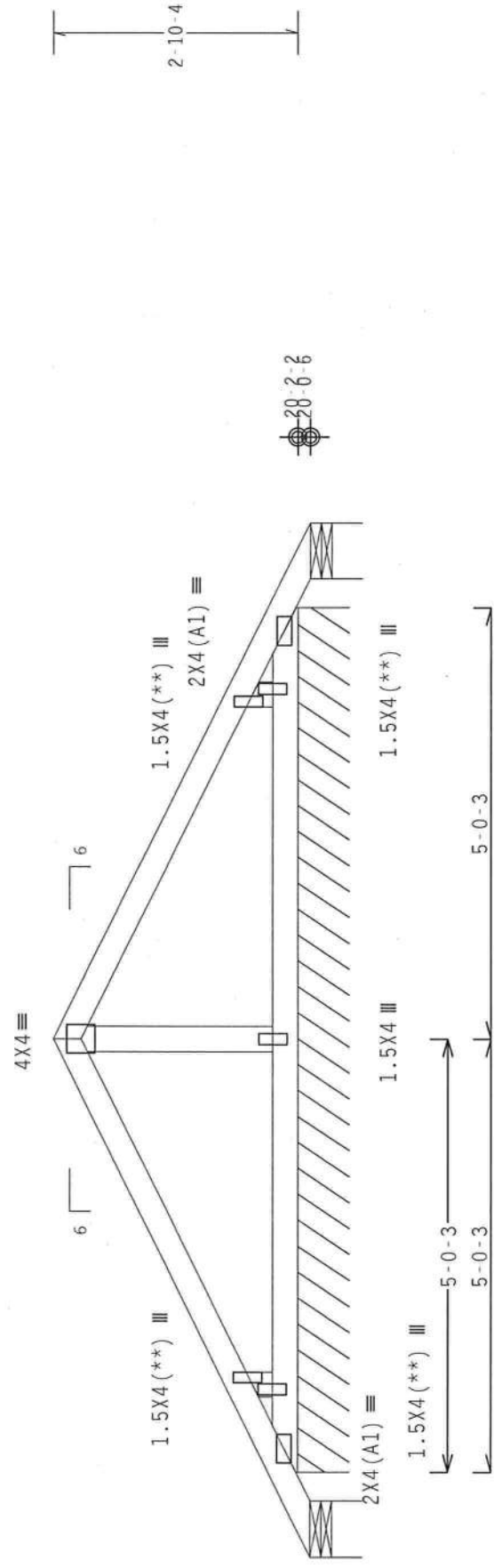
Refer to DWG PB1400109 for piggyback details.

SPECIAL LOADS

----- (LUMBER DUR_FAC.=1.25 / PLATE DUR_FAC.=1.25)
 TC - From 62 PLF at 0.00 to 62 PLF at 6.00
 TC - From 62 PLF at 6.00 to 62 PLF at 12.00
 BC - From 4 PLF at 0.00 to 4 PLF at 12.00

110 mph wind, 21.53 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=2.0 psf. Iw=1.00 GCpi (+/-)=0.18

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



12-0-0 Over 3 Supports
 R-21 U=9 W=7.826"
 RL=60/-60-71 PLF U=23 PLF W=10-0-6

Design Crit: FBC2007Res/TPI-2002 (STD)
 FT/RT=10%(0%)/0(0)

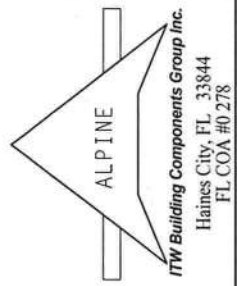
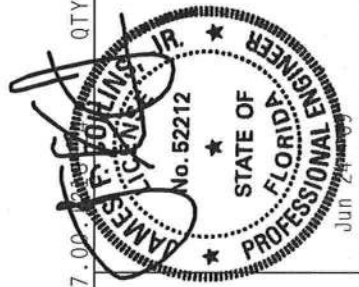
Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R8228- 71415
TC DL	10.0 PSF	DATE	06/24/09
BC DL	10.0 PSF	DRW	HCUSR8228 09175010
BC LL	0.0 PSF	HC-ENG	DLJ/DLJ
TOT.LD.	40.0 PSF	SEQN-	32213
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSS8228Z02

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 6310 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND MCA (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. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI, ITH BCG CONTRACTOR PLATES ARE MADE OF 2018/1066 (Q-H/SS/K) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOGGED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ITH BCG CONTRACTOR PLATES ARE MADE OF 2018/1066 (Q-H/SS/K) ASTM A653 GRADE 40/60 (H, K/H-SS) GALV. STEEL. UNLESS OTHERWISE INDICATED ACCEPTANCE OF PROTECTIVE COATINGS SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



CLB WEB BRACE SUBSTITUTION

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.

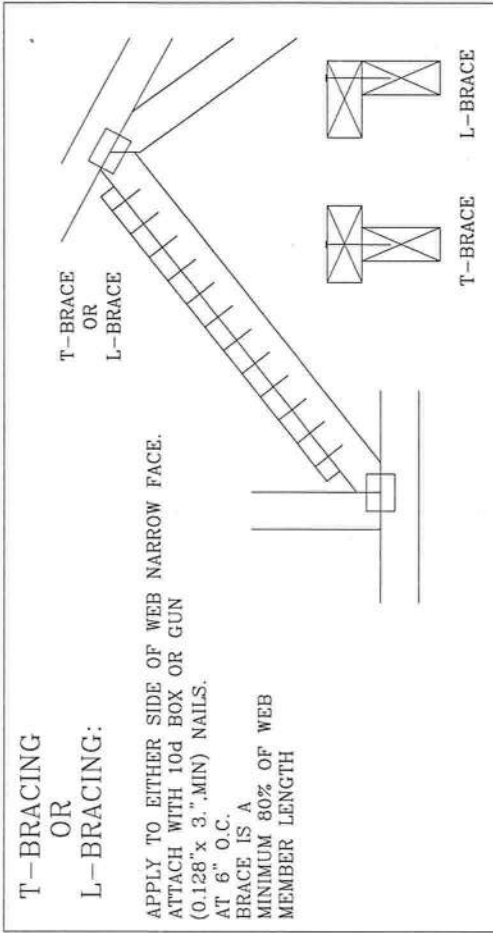
NOTES:

- THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB 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	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

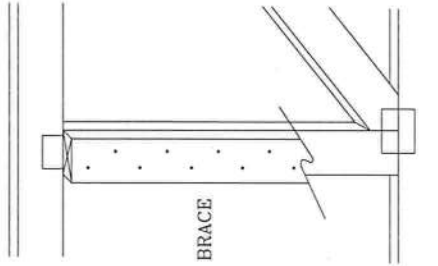
T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

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



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



Building Components Group Inc.

Earth City, MO 63045

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the instructions on the manufacturer's literature for proper erection and bracing. Do not alter or modify these functions. Installers shall provide temporary bracing (TBC) unless noted otherwise. Temporary bracing shall have properly 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 BCS sections B3 & 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 2018/16GA (W/H/S/K) ASTM A653 grade 37/40/60 (K/W/H/S) 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 per ANSI/TPI 1 Sec. 2. ITW-BCC: www.itwbcg.com; TPI: www.tpi.net; WTC: www.abcdindustry.com; ICC: www.iccsafe.org

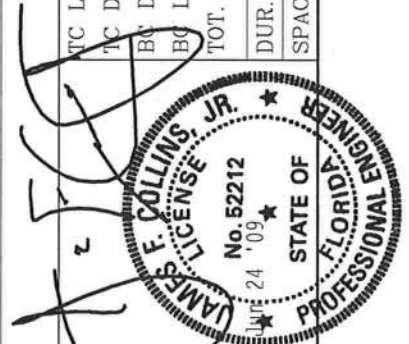
ITC LL
T/C DL
B/DL
B/L
TOT. LD.
DUR. FAC.
SPACING

PSF
PSF
PSF
PSF

REF CLB SUBST.

DATE 1/1/09

DRWG BRCLBSUB0109



ASCE 7-05: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

GABLE STUD REINFORCEMENT DETAIL

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STUD	STANDARD

DOUGLAS FIR-LARCH

#3 STUD
STANDARD

SOUTHERN PINE

#3 STUD
STANDARD

GROUP B:

HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR #1	#1
	#2

SOUTHERN PINE

#1
#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).

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

ATTACH EACH "L" BRACE WITH 10d NAILS.

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

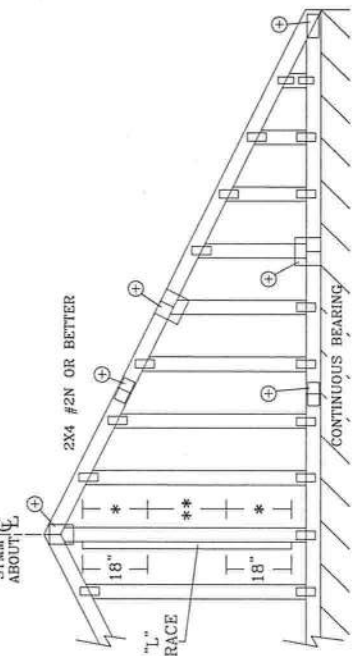
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

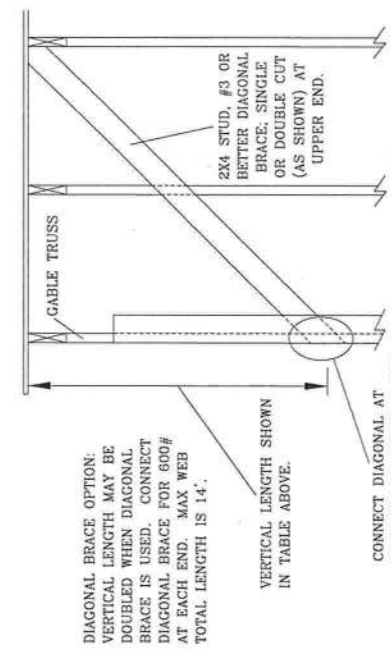
GABLE VERTICAL PLATE SIZES

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

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

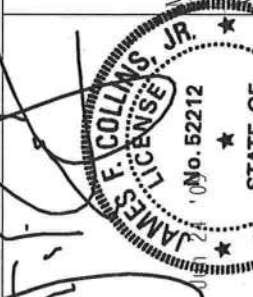


DIAGONAL BRACE OPTION: VERTICAL LENGTH MAY BE DOUBLED WHEN DIAGONAL BRACE IS USED. CONNECT DIAGONAL BRACE FOR 600# AT EACH END. MAX WEB TOTAL LENGTH IS 14'.

REF	ASCE7-05-GAB11015
DATE	1/1/09
DRWG	A11015050109

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"



***WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow ICCS (Building Component Safety) information, by TPI and WTA) for safety practices prior to performing any work. Locations shown for permanent lateral restraint of webs shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections B3 & B7. See this job's general notes for more information.

***IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. TPI Building Components Group Inc. (TPI/BCG) is not responsible for any design errors or omissions, or any failure to build the trusses in conformance with TPI or fabricating, handling, shipping, installing or broeing of trusses. TPI/BCG connector plates are made of 2018/16GA (W14/S/K) ASTM A653 grade 37/50/60 (K/R/H/S) 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 per ANSI/TPI 1, Sec. 2.

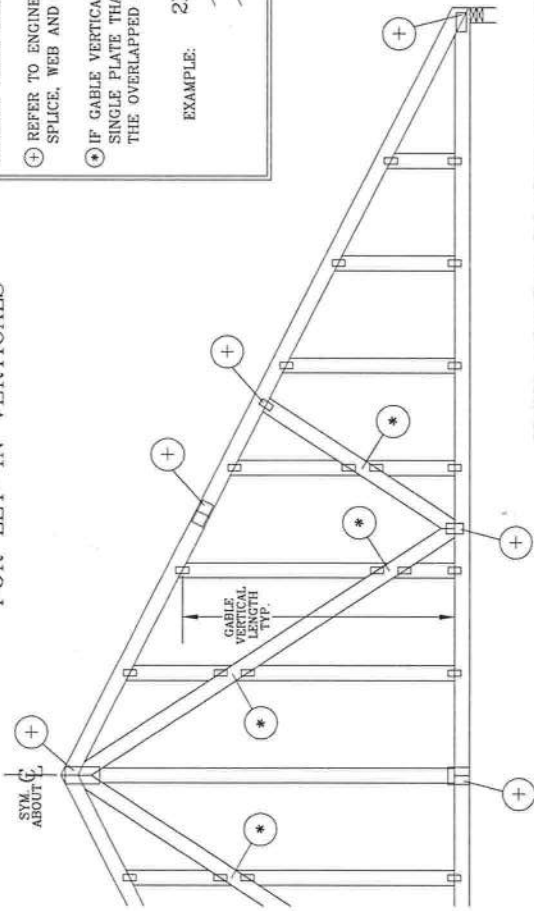
TPI/BCG: www.tpiweb.com; TPI: www.tpiusa.com; WTA: www.abctindustry.com; ICC: www.iccsafe.org

TPI

Building Components Group Inc.

Earth City, MO 63045

GABLE DETAIL FOR LET-IN VERTICALS

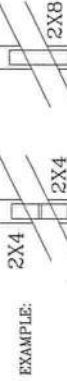


GABLE TRUSS PLATE SIZES

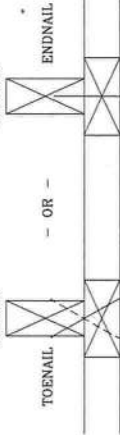
REFER TO APPROPRIATE ITW GABLE DETAIL FOR MINIMUM PLATE SIZES FOR VERTICAL STUDS.

⊕ 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.



"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"

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".MIN) NAILS AT 4" O.C. PLUS

(4) NAILS IN TOP AND BOTTOM CHORD.

TOENAILED NAILS:

10d COMMON (0.148"x3".MIN) 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

A13015980109, A12015980109, A11015980109, A10015980109,

A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 GABLE DETAIL DRAWINGS

A13015020109, A12015020109, A11015020109, A10015020109,

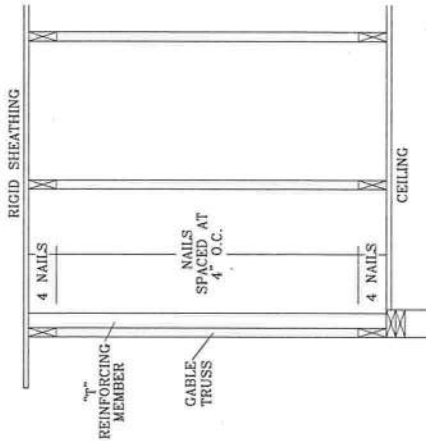
A13030020109, A12030020109, A11030020109, A10030020109

ASCE 7-05 GABLE DETAIL DRAWINGS

A13015050109, A12015050109, A11015050109, A10015050109,

A13030050109, A12030050109, A11030050109, A10030050109

SEE APPROPRIATE ITW GABLE DETAIL FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.



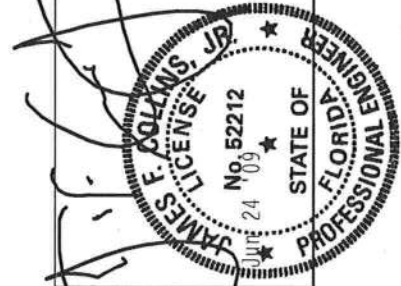
Building Components Group Inc.

Earth City, MO 63045

***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 any truss work. Trusses are designed for use with temporary bracing per BCSI. Unless noted otherwise, temporary bracing shall be properly attached and maintained until the permanent lateral restraint of webs shall have bracing installed per BCSI sections E3 & E7. 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, or for any failure of the truss system. ITWBCG connector plates are made of 2018/18GA (WH/S/K) ASTM A653 grade 37/40/50 (K/W/H/S) 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 per ANSI/TPI 1 Sec. 2.
ITW-BCC: www.itwbcg.com; TPI: www.tpiust.com; WTC: www.abctindustry.com; ICC: www.iccsafe.org

REF	LET-IN VERT
DATE	1/1/09
DRWG	GBLLETINO109
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"



140 PIGGYBACK DETAIL

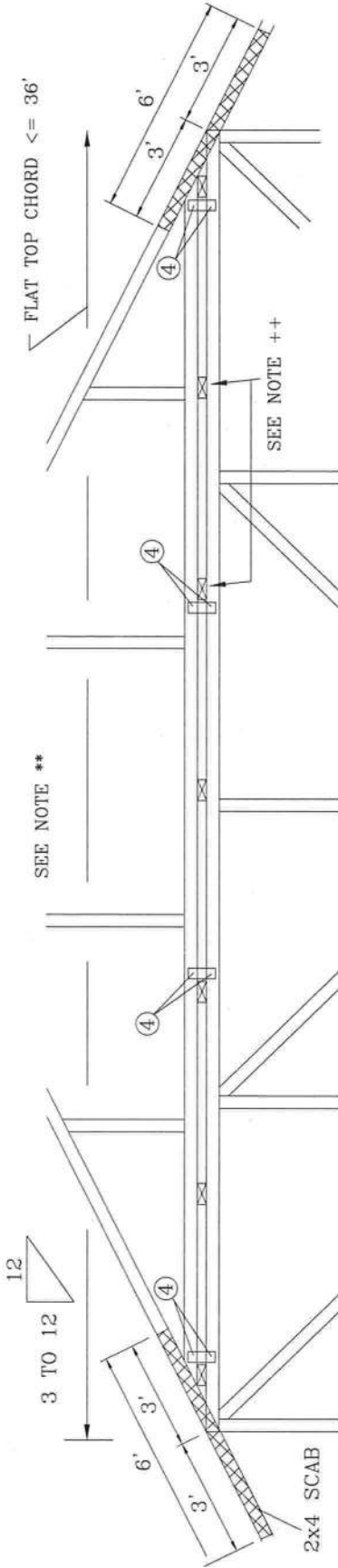
140 MPH WIND, 30.00 FT MEAN HGT., ASCE 7-02 OR ASCE 7-05, PARTIALLY ENCLOSED BLDG., LOCATED ANYWHERE IN ROOF, CAT II, EXP. C, Kzt = 1.00, WIND DL = 5.0 PSF.

MAXIMUM TRUSS SPACING IS 24" O.C. DETAIL IS NOT APPLICABLE IF CAP SUPPORTS ADDITIONAL LOADS SUCH AS CUPOLA, STEEPLE, CHIMNEY OR DRAG STRUT LOADS.

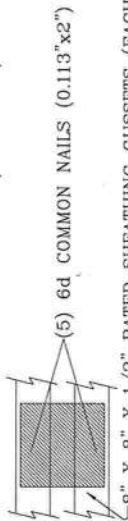
NOTE: TOP CHORDS OF TRUSSES SUPPORTING PIGGYBACK CAP TRUSSES MUST BE ADEQUATELY BRACED BY SHEATHING OR PURLINS. THE BUILDING ENGINEER OF RECORD SHALL PROVIDE DIAGONAL BRACING OR OTHER SUITABLE ANCHORAGE TO PERMANENTLY RESTRAIN PURLINS.

** REFER TO ENGINEER'S SEALED TRUSS DESIGN DRAWING FOR CAP TRUSS SPECIFICATIONS.

CAP TRUSS TOE NAILED TO TOP CHORD BRACING WITH (2) 16d BOX (0.135"x3.5") NAILS AND SECURED WITH 3X8 TRULOX PLATES (EACH FACE) AT EACH END AND AT 4' O.C. CIRCLED NUMBER INDICATES REQUIRED NUMBER OF 0.120" X 1.375" NAILS PER FACE. SEE DRAWING 160TL FOR TRULOX INFORMATION.



SECURE WITH 2X4 #3 GRADE SCAB (1 SIDE ONLY) AT EACH END. ATTACHED WITH 2 ROWS OF 10d (0.128"x3.0") NAILS AT 4" O.C.



8" X 8" X 1 1/2" RATED SHEATHING GUSSETS (EACH FACE) MAY BE USED IN LIEU OF TRULOX PLATES. ATTACH WITH (10) 6d COMMON (0.113"x2") NAILS PER GUSSET, (5) IN CAP BC AND (5) IN BASE TRUSS FLAT TC OR

OR
2x4 SPF #2 OR BETTER VERTICAL 12" SCABS @ 4' O.C. MAX STAGGERED 2' O.C. EACH FACE. ATTACH TO PIGGYBACK AND BASE TRUSS WITH (3) 10d (0.128"x3") NAILS.

++ FLAT TOP CHORD UNDER PIGGYBACK CAP SHALL BE LATERALLY BRACED AT A MAXIMUM OF 24" INTERVALS UNLESS OTHERWISE NOTED ON BASE TRUSS DESIGN DRAWING. ATTACH BRACING TO THE FLAT TOP CHORD USING (2) 16d NAILS (0.135" X 3.5")

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 WPCA) for safety practices prior to performing installation. Trusses shall be properly braced and supported. Trusses shall have a properly attached and secured ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.

TW Building Components Group Inc. (BCCI) shall be responsible for the design and engineering of the trusses. TW Building Components Group Inc. shall be responsible for the design, shipping, handling, and bracing of trusses. TWBCC connector plates are made of 2018/18GA (W/H/S/K) ASTM A653 grade 37/40/60 (K/W/H/S) 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 per ANSI/TPI 1 Sec. 2. ITW-BCC: www.itwbog.com; TPI: www.tpiust.com; WPCA: www.abcdindustry.com; ICC: www.iccsafe.org



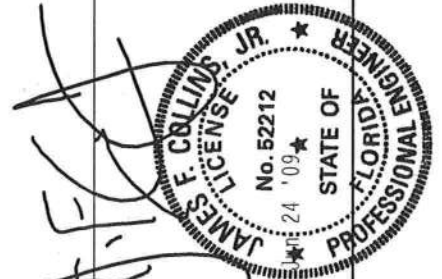
Earth City, MO 63045

REF PIGGYBACK

DATE 1/1/09

DRWG PBI40109

SPACING 24.0"



CLERK OF THE COUNTY

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 28-2S-17-04772-001

Building permit No. 000027986

Use Classification SFD, UTILITY

Fire: 109.98

Permit Holder WILLIAM WOOD

Waste: 150.75

Owner of Building ROBERT SANDERS

Total: 260.73

Location: 138 NE BACKROAD TERR., LAKE CITY, FL

Date: 01/07/2010

Harry Dick

Building Inspector

**POST IN A CONSPICUOUS PLACE
(Business Places Only)**

