

DATE 08/04/2009

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

PERMIT
000027989

APPLICANT STUART POTTS PHONE 865 654-5977
ADDRESS 3415 SUGARCAMP CIRCLE SEVIERVILLE TN 37862
OWNER STUART POTTS PHONE 865-654-5977
ADDRESS 176 NW CAMBRIDGE HILL WAY LAKE CITY FL 32055
CONTRACTOR STUART POTTS PHONE _____
LOCATION OF PROPERTY 41N, TL ON SUWANNEE VALLEY RD, WHITE VINYL FENCE ON LEFT,
2ND GATE, 1ST LOT ON RIGHT
TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 163850.00
HEATED FLOOR AREA 2645.00 TOTAL AREA 3277.00 HEIGHT _____ STORIES 1
FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING A-3 MAX. HEIGHT 19
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE X FL DEVELOPMENT PERMIT NO. _____

PARCEL ID 29-2S-16-01777-141 SUBDIVISION SUWANNEE VALLEY FARMS
LOT 41 BLOCK _____ PHASE _____ UNIT 0 TOTAL ACRES 5.01

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
EXISTING 06-707 BK WR Y
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: MFE @ 87 NAVD, ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB,
NOC ON FILE

Check # or Cash 1202

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 \$ 820.00 CERTIFICATION FEE \$ 16.39 SURCHARGE FEE \$ 16.39
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 927.78

INSPECTORS OFFICE [Signature] CLERKS OFFICE [Signature]

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.

page 2

Columbia County Building Permit Application

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.

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.

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.

X 

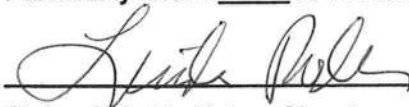
Owners Signature

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.

Contractor's Signature (Permitee)

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

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 13 day of July 2009
Personally known _____ or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL:

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

Prepared by:

Elaine R. Davis

American Title Services of Lake City, Inc.

330 SW Main Boulevard

Lake City, Florida 32025

File Number: 06-090

Inst:2006008904 Date:04/12/2006 Time:09:35

Doc Stamp-Deed : 686.00

S.P. DC, P. DeWitt Cason, Columbia County B:1080 P:1

Warranty Deed

Made this April 11, 2006 A.D.

By **Subrandy Limited Partnership**, a Florida Limited partnership, whose address is: Post Office Box 513, Lake City, Florida 32056 hereinafter called the grantor,to **Stuart Potts Jr. and Joan A. Potts, husband and wife**, whose post office address is: 3415 Sugarcamp Circle, Sevierville, TN 37862, hereinafter called the grantee:

(Whenever used herein the term "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations)

Witnesseth, that the grantor, for and in consideration of the sum of Ten Dollars, (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the grantee, all that certain land situate in Columbia County, Florida, viz:

LOT 41 SUWANNEE VALLEY FARMS PHASE 2, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 8 PAGE 49 OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

Together with Restrictions as recorded in Official Record Book 1070 Page 1201

Parcel ID Number: 01777-000

Together with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.**To Have and to Hold**, the same in fee simple forever.**And** the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances except taxes accruing subsequent to December 31, 2005.**In Witness Whereof**, the said grantor has signed and sealed these presents the day and year first above written.*Signed, sealed and delivered in our presence:*Elaine R. Davis

ELAINE R. DAVIS

Witness Printed Name

Bradley N. Dicks

Bradley N. Dicks, General Partner

Subrandy Limited Partnership

Address: Post Office Box 513, Lake City, Florida 32056

Lynndi StunnerWitness Printed Name Lynndi Stunner

Address:

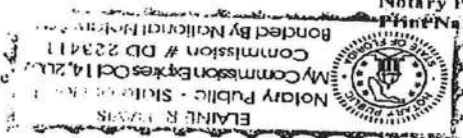
State of Florida

County of Columbia

The foregoing instrument was acknowledged before me this 11th day of April, 2006, by Subrandy Limited Partnership, who is/are personally known to me or who has produced known as identification.

Notary Public

Print Name: ELAINE R. DAVIS



American Title Services of Lake City, Inc.**330 SW Main Boulevard****Lake City, Florida 32025**

Phone: (386) 754-4026

Fax: (386) 754-4028

April 6, 2006

Stuart Potts Jr. and Joan A. Potts
3415 Sugarcamp Circle
Sevierville, TN 37862

Re: Our File Number: 06-090
Property Address:
TBD NW Cambridge Hill Way
Lake City, Florida 32055

Dear Stuart Potts Jr. and Joan A. Potts:

Please be advised that we have completed title work on the property you are purchasing.

Enclosed you will find all of the necessary documents related to the purchase of the above referenced property. Please sign all documents exactly as your name is typed and return all documents along with a **CASHIER'S CHECK** made payable to American Title Services of Lake City, Inc. in the amount of **\$96,060.00** as your balance due at closing. Please note that we **cannot** accept personal checks.

Please return all documents, **ALONG** with a copy of your driver licenses or some form of **PICTURE** identification via **THE ENCLOSED FEDERAL EXPRESS ENVELOPE** before April 11, 2006.

In the future should you decide to build, I will be happy to assist you should you be getting a mortgage with title insurance. The owners policy you will be receiving from this transaction will have what we call re-issue credit which will save your some money.

Thank you for this opportunity to be of service to you. Should you have any questions, please feel free to contact my office.

Sincerely,
American Title Services of Lake City, Inc.



Elaine R. Davis
Escrow Officer



COLUMBIA COUNTY BUILDING DEPARTMENT

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

NOTARIZED DISCLOSURE STATEMENT

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

State law requires construction to be done by licensed contractors. You have applied for a permit under an exemption to that law. The exemption allows you, as the owner of your property, to act as your own contractor with certain restrictions even though you do not have a license. You must provide direct, onsite supervision of the construction yourself. You may build or improve a one-family or two-family residence or a farm outbuilding. You may also build or improve a commercial building, provided your costs do not exceed \$75,000. The building or residence must be for your own use or occupancy. It may not be built or substantially improved for sale or lease. If you sell or lease a building you have built or substantially improved for yourself within 1 year after the construction is complete, the law will presume that you built or substantially improved it for sale or lease, which is a violation of this exemption. You may not hire an unlicensed person to act as your contractor or to supervise people working on your building. It is your responsibility to make sure that people employed by you have licenses required by state law and by county or municipal licensing ordinances. You may not delegate the responsibility for supervising work to a licensed contractor who is not licensed to perform the work being done. Any person working on your building who is not licensed must work under your direct supervision and must be employed by you, which means that you must deduct F.I.C.A. and withholding tax and provide workers' compensation for that employee, all as prescribed by law. Your construction must comply with all applicable laws, ordinances, building codes, and zoning regulations.

I understand that if I am not physically doing the work or physically supervising free labor from friends or relatives, that I must hire licensed contractors, i.e. electrician, plumber, mechanical (heating & air conditioning), etc. I further understand that the violation of not physically doing the work, and the use of unlicensed contractors at the construction site, will cause the project to be shut down by the inspection staff of the Columbia County Building Department. Additionally, state statutes allow for additional penalties. I also understand that if this violation does occur, that in order for the job to proceed, I will have a licensed contractor come in and obtain a new permit as taking the job over. I understand that if I hire subcontractors under a contract price, that they must be licensed to work in Columbia County, i.e. masonry, drywall, carpentry. Contractors licensed by the Columbia County Contractor Licensing Section or the State of Florida are required to have worker's compensation and liability coverage.

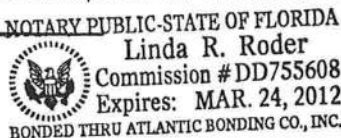
TYPE OF CONSTRUCTION

☒ Single Family Dwelling
☐ Other _____

☐ Two-Family Residence ☐ Farm Outbuilding
☐ Addition, Alteration, Modification or other Improvement

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

Permit Number _____



X _____
Owner/Builder Signature Date

FLORIDA NOTARY

The above signer is personally known to me or produced identification _____

Notary Signature Linda Roder Date 7-13-09

FOR BUILDING DEPARTMENT USE ONLY

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

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: 1/8/2007 DATE ISSUED: 1/8/2007

ENHANCED 9-1-1 ADDRESS:

176 NW CAMBRIDGE HILL WAY
LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

29-2S-16-01777-141

Remarks:

LOT 41 SUWANNEE VALLEY FARMS S/D PHASE 2.

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.

571

Approved Address

JAN 08 2007

911Addressing/GIS Dept

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 29-25-16-01777-141

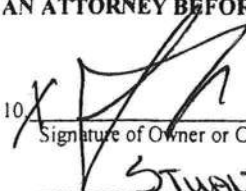
THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): 176 N.W. Cambridge Hill Way - Lot 41 Sunrise Valley Farms
 - a) Street (job) Address: _____
2. General description of improvements: NEW Construction of Residence
3. Owner Information
 - a) Name and address: STUART Potts Jr. 3415 Super Camp Creek, Sevierville, TN 37862
 - b) Name and address of fee simple titleholder (if other than owner) _____
 - c) Interest in property _____
4. Contractor Information
 - a) Name and address: OWNER BUILDING
 - b) Telephone No.: 865-798-5951 - 865-654-5977 Fax No. (Opt.) _____
5. Surety Information
 - a) Name and address: N/A
 - b) Amount of Bond: _____
 - c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
 - a) Name and address: N/A
 - b) Phone No.: _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
 - a) Name and address: STUART Potts - Jane Potts
 - b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
 - a) Name and address: N/A Jane Potts
 - b) Telephone No.: 865-654-5978 Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

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

STATE OF FLORIDA
COUNTY OF COLUMBIA

NOTARY PUBLIC-STATE OF FLORIDA
Linda R. Roder
Commission #DD755608
Expires: MAR. 24, 2012
BONDED THRU ATLANTIC BONDING CO., INC.

10. 
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
STUART Potts Jr.
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 13 day of July, 2009, by:

_____ as _____ (type of authority, e.g. officer, trustee, attorney
fact) for _____ (name of party on behalf of whom instrument was executed).

Personally Known _____ OR Produced Identification _____ Type _____

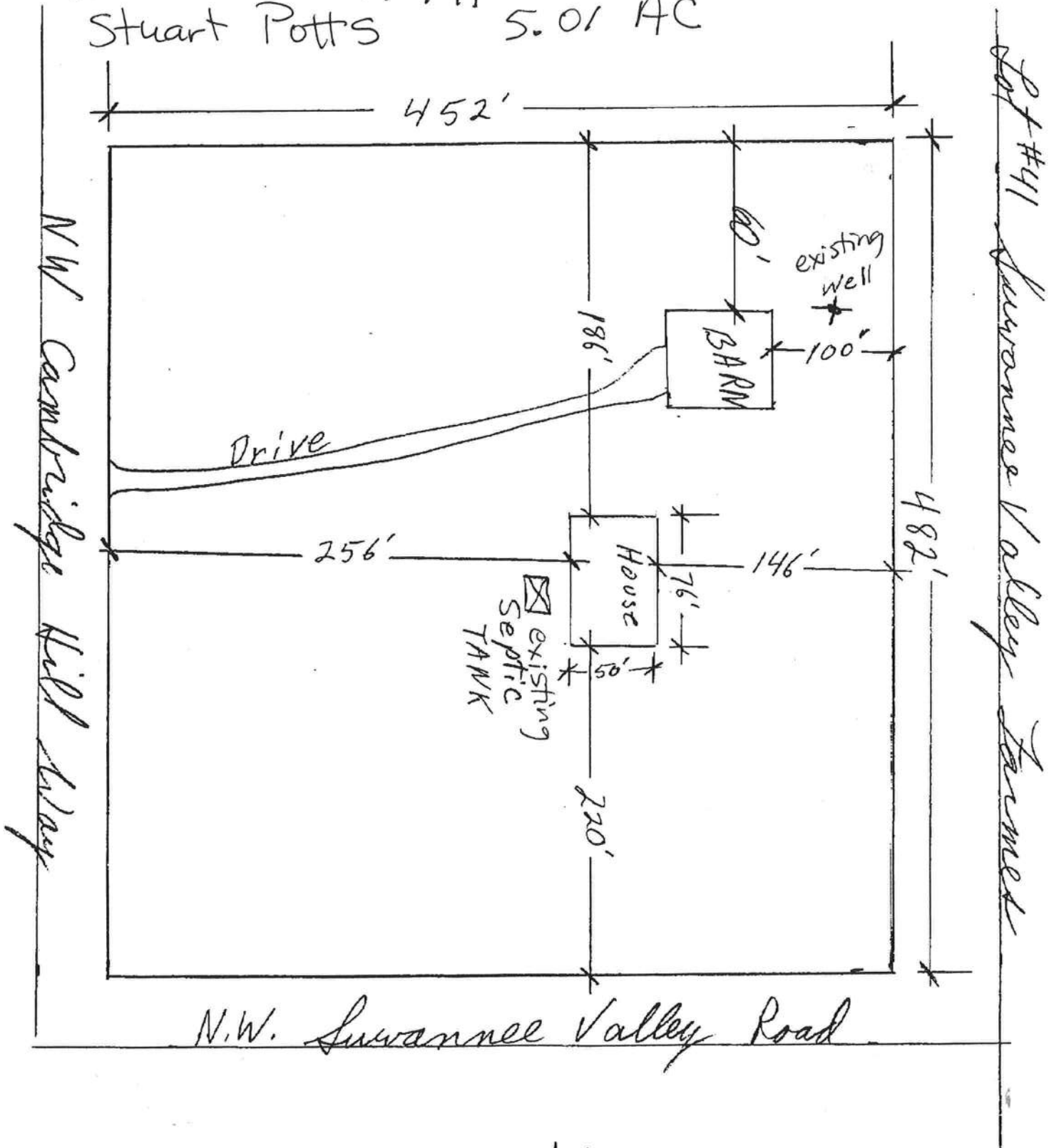
Notary Signature



Lot 41 Suwannee Valley Farm

29-25-16-01777-141

Stuart Potts 5.01 AC





0907-44



06-0787N

IN
Verified
AS PER NANCY E.H.
7.27.09
to accept

Notes: Power line Easement on north side of lot
Lake land

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: Potts Residence
 Street: 176 NW Cambridge Hill Way
 City, State, Zip: Lake City, FL, 32055-
 Owner: Stuart & Joan Potts
 Design Location: FL, Gainesville

Builder Name: ~~THA~~ Potts
 Permit Office: Columbia County
 Permit Number: 27989
 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) | 2645 |

- | 7. Windows | Description | Area |
|--------------|-------------|------------------------|
| a. U-Factor: | Dbl, U=0.30 | 365.00 ft ² |
| | SHGC: | SHGC=0.50 |
| 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. Crawlspace | R=19.0 | 2645.00 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 | 2420.00 ft ² |
| b. N/A | R= | 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 | 2909.50 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, 661.25 ft²

12. Cooling systems

- a. Central Unit Cap: 54.1 kBtu/hr
SEER: 14

13. Heating systems

- a. Electric Heat Pump Cap: 54.1 kBtu/hr
HSPF: 7.7

14. Hot water systems

- a. Electric Cap: 80 gallons
EF: 0.9

- b. Conservation features
None

15. Credits

Pstat

Glass/Floor Area: 0.138

Total As-Built Modified Loads: 48.14

Total Baseline Loads: 68.40

PASS

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

PREPARED BY: [Signature]DATE: 7/17/09

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

OWNER/AGENT: [Signature]DATE: 7.20.09

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: _____

- Compliance requires an envelope leakage test report, by a Florida Class 1 Rater, in accordance with N1113.A.1.

PROJECT

Title: Potts Residence	Bedrooms: 3	Address Type: Street Address
Building Type: FLAsBuilt	Bathrooms: 0	Lot #
Owner: Stuart & Joan Potts	Conditioned Area: 2645	SubDivision:
# of Units: 1	Total Stories: 1	PlatBook:
Builder Name: N/A	Worst Case: No	Street: 176 NW Cambridge Hill
Permit Office: Columbia County	Rotate Angle: 0	County: Columbia
Jurisdiction:	Cross Ventilation:	City, State, Zip: Lake City ,
Family Type: Single-family	Whole House Fan:	FL , 32055-
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	Exposed Perimeter	Wall Ins. R-Value	Area	Floor Joist R-Value	Tile	Wood	Carpet
_____	1	Crawlspace	242 ft	19	2645 ft²	19	0	0	1

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Gable or shed	Metal	2958 ft²	662 ft²	Light	0.96	No	0	26.6 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	303	2645 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	2909.5 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	19	549.84 ft²	0	0.23	0.75
_____	2	S	Exterior	Frame - Wood	19	554.88 ft²	0	0.23	0.75
_____	3	E	Exterior	Frame - Wood	19	618.21 ft²	0	0.23	0.75
_____	4	W	Exterior	Frame - Wood	19	697.12 ft²	0	0.23	0.75

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
✓	1	W	Insulated	None	0.46	17.73 ft²
✓	2	W	Insulated	None	0.46	17.77 ft²
✓	3	W	Insulated	None	0.46	20 ft²

WINDOWS

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

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang Depth Separation	Int Shade	Screening
✓	1	E	Metal	Double (Clear)	Yes	0.3	0.5	N	105 ft²	0 ft 18 in 0 ft 0 in	HERS 2006	None
✓	2	E	Metal	Double (Clear)	Yes	0.3	0.5	N	13.33 ft²	0 ft 12 in 0 ft 0 in	HERS 2006	None
✓	3	N	Metal	Double (Clear)	Yes	0.3	0.5	N	30 ft²	0 ft 12 in 0 ft 60 in	HERS 2006	None
✓	4	W	Metal	Double (Clear)	Yes	0.3	0.5	N	75 ft²	0 ft 18 in 0 ft 0 in	HERS 2006	None
✓	5	W	Metal	Double (Clear)	Yes	0.3	0.5	N	26.67 ft²	0 ft 60 in 0 ft 0 in	HERS 2006	None
✓	6	W	Metal	Double (Clear)	Yes	0.3	0.5	N	40 ft²	0 ft 60 in 0 ft 0 in	HERS 2006	None
✓	7	N	Metal	Double (Clear)	Yes	0.3	0.5	N	20 ft²	0 ft 60 in 0 ft 0 in	HERS 2006	None
✓	8	S	Metal	Double (Clear)	Yes	0.3	0.5	N	15 ft²	0 ft 90 in 0 ft 0 in	HERS 2006	None
✓	9	S	Metal	Double (Clear)	Yes	0.3	0.5	N	40 ft²	0 ft 90 in 0 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	--- Forced Ventilation --- Supply CFM Exhaust CFM		Run Time Fraction	Fan Watts
✓	Proposed ACH	0.00036	2498	5.67	137.1	257.9	0 cfm	0 cfm	0	0

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
✓	1	Central Unit	None	SEER: 14	54.1 kBtu/hr	cfm	0.75	

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ductless
✓	1	Electric Heat Pump	None	HSPF: 7.7	54.1 kBtu/hr	

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
✓	1	Electric	0.9	80 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	661.25	Attic	132.25	Default Leakage	Interior				

TEMPERATURES

Programable Thermostat: Y						Ceiling Fans:							
Cooling	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Heating	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Venting	☒ Jan	☒ Feb	☒ Mar	☒ Apr	☒ May	☒ Jun	☒ Jul	☒ Aug	☒ Sep	☒ Oct	☒ Nov	☒ Dec	
Thermostat Schedule: HERS 2006 Reference													
Schedule Type		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	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	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: 176 NW Cambridge Hill Way
Lake City, FL, 32055-

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	N1106.AB.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	N1106.AB.1.2.2	Penetrations/openings > 1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	N1106.AB.1.2.3	Between walls & ceilings; penetrations of ceiling plane to top floor; around shafts, chases, soffits, chimneys, cabinets sealed to continuous air barrier; gaps in gyp board & top plate; attic access. EXCEPTION: Frame ceilings where a continuous infiltration barrier is installed that is sealed at the perimeter, at penetrations and seams.	
Recessed Lighting Fixtures	N1106.AB.1.2.4	Type IC rated with no penetrations, sealed; or Type IC or non-IC rated, installed inside a sealed box with 1/2" clearance & 3" from insulation; or Type IC with < 2.0 cfm from conditioned space, tested.	
Multi-story Houses	N1106.AB.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	N1106.AB.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

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

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%. Heat pump pool heaters shall have a minimum COP of 4.0.	
Shower heads	N1112.AB.2.4	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	N1110.AB	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated and installed in accordance with the criteria of Section N1110.AB. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	N1107.AB.2	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	N1104.AB.1 N1102.B.1.1	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 70

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

176 NW Cambridge Hill Way, Lake City, FL, 32055-

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	2420.00 ft ²
3. Number of units, if multiple family	1	b. N/A	R=	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)	2645	10. Ceiling Types	Insulation	Area
7. Windows**	Description	a. Under Attic (Vented)	R=30.0	2909.50 ft ²
a. U-Factor:	Dbl, U=0.30	b. N/A	R=	ft ²
SHGC:	SHGC=0.50	c. N/A	R=	ft ²
b. U-Factor:	N/A	11. Ducts		
SHGC:		a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 661.25 ft ²		
c. U-Factor:	N/A	12. Cooling systems	Cap: 54.1 kBtu/hr	
SHGC:		a. Central Unit	SEER: 14	
d. U-Factor:	N/A	13. Heating systems		
SHGC:		a. Electric Heat Pump	Cap: 54.1 kBtu/hr	
e. U-Factor:	N/A		HSPF: 7.7	
SHGC:		14. Hot water systems		
8. Floor Types	Insulation	a. Electric	Cap: 80 gallons	
a. Crawlspace	R=19.0		EF: 0.9	
b. N/A	R=	b. Conservation features		
c. N/A	R=	None		
		15. Credits		Pstat

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.

Date	Inspection	Inspect.	Owner	Pass	Location	Permit
01/26/10	Framing	RJ-WR	Stuart Potts	Not Ready	Suwannee Valley Farms Lot 41	27989
01/26/10	Electrical	RJ-WR	Stuart Potts	Not Ready	Suwannee Valley Farms Lot 41	27989
01/26/10	Plumbing	RJ-WR	Stuart Potts	Not Ready	Suwannee Valley Farms Lot 41	27989
01/26/10	A/C	RJ-WR	Stuart Potts	Not Ready	Suwannee Valley Farms Lot 41	27989
02/05/10	Framing	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
02/05/10	Electrical	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
02/05/10	Plumbing	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
02/05/10	A/C	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
02/15/10	Wall Insulation	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
02/15/10	Ceiling Insulation	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
08/02/10	Perm Power	TC-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989

Date	Inspection	Inspect.	Owner	Pass	Location	Permit
08/14/09	Footer	Wayne	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
08/14/09	Set Backs	Wayne	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
08/21/09	Lintel	Randy	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
08/21/09	Set Backs	Randy	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
10/13/09	Rough Plumbing	Randy	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
10/22/09	Floor Joists	RJ-JK	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
11/04/09	Nailing	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
11/04/09	Partial Framing	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
11/09/09	Framing - Porch	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
11/09/09	Footer	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
11/09/09	Set Backs	HD-RJ	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989
11/24/09	Nailing	Randy	Stuart Potts	OK	Suwannee Valley Farms Lot 41	27989

"Zared"

John Connors "KUSH"

Columbia County Building Department

Culvert Waiver

Culvert Waiver No.
000001867

DATE: 01/10/2011 BUILDING PERMIT NO. 27989

APPLICANT STUART POTT'S PHONE 865-654-5977

ADDRESS 3415 SUGAR CAMP CIRCLE SEVIERVILLE TN 37862

OWNER STUART POTTS PHONE 865.654.5977

ADDRESS 176 NW CAMBRIDGE HILLWAY LAKE CITY FL 32055

CONTRACTOR STUART POTTS PHONE 865.654.5977

LOCATION OF PROPERTY 41-N TO SUWANNEE VALLEY RD, TL AND IT'S A WHITE VINYL FENCE ON L
W/2ND. GATE. 1ST. LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SUWANNEE VALLEY FARMS 41 2

PARCEL ID # 29-2S-16-01774-141

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: _____

**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 ✓ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: J. M. Wood DATE: 10 Jan 11

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5953.

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



20

27989

Columbia County Building Department Culvert Permit

Culvert Permit No.
000001867

DATE 03/28/2011 PARCEL ID # 29-2S-16-01774-141

APPLICANT STUART POTTS PHONE 865-654-5977

ADDRESS 3415 SUGAR CAMP CIRCLE SEVIERVILLE TN 37862

OWNER STUART POTTS PHONE 865.654.5977

ADDRESS 176 NW CAMBRIDGE HILLWAY LAKE CITY FL 32055

CONTRACTOR STUART POTTS PHONE 865.654.5977

LOCATION OF PROPERTY 41-N TO SUWANNEE VALLEY RD, TL AND IT'S A WHITE VINYL FENCE ON L
W/2ND. GATE, 1ST. LOT ON R.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT SUWANNEE VALLEY FARM 41 2

SIGNATURE

INSTALLATION REQUIREMENTS



Culvert size will be 18 inches in diameter with a total length of 32 feet, leaving 24 feet of driving surface. Both ends will be mitered 4 foot with a 4 : 1 slope and poured with a 4 inch thick reinforced concrete slab.

INSTALLATION NOTE: Turnouts will be required as follows:

- a) a majority of the current and existing driveway turnouts are paved, or;
 - b) the driveway to be served will be paved or formed with concrete.
- Turnouts shall be concrete or paved a minimum of 12 feet wide or the width of the concrete or paved driveway, whichever is greater. The width shall conform to the current and existing paved or concreted turnouts.



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



Other

ALL PROPER SAFETY REQUIREMENTS SHOULD BE FOLLOWED
DURING THE INSTALLATION OF THE CULVERT.

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

Amount Paid 25.00



PRODUCT APPROVAL SPECIFICATION SHEET

Sawannee
Valley Farm

Location: Stuart Potts

Project Name: Cot 41

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

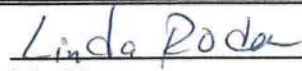
Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Mayfair	entry door	FL 1311
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Better-Bilt	aluminum	7085
2. Horizontal Slider			
3. Casement			
4. 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	James Hardie	Cement Lap Siding	889-R2
2. Soffits	Alcoa	Aluminum	5543
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles			
2. Underlayments			
3. Roofing Fasteners			
4. Non-structural Metal Rf	Wheeling	Century drain	5190.3
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			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof			
11. Wall			
12. Sheds			
13. Other			
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 inspection


Contractor or Contractor's Authorized Agent Signature


Print Name

7-22-09
Date

Residential System Sizing Calculation

Summary

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

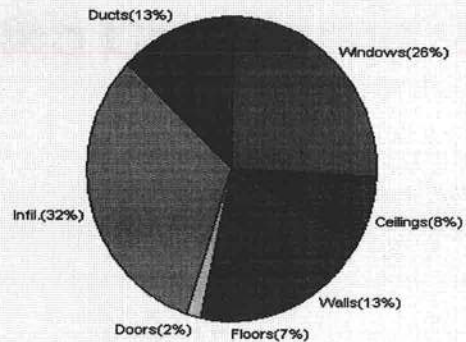
7/17/2009

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	45060 Btuh	Total cooling load calculation	49083 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	120.1 54100	Sensible (SHR = 0.75)	113.4 40575
Heat Pump + Auxiliary(0.0kW)	120.1 54100	Latent	101.7 13525
		Total (Electric Heat Pump)	110.2 54100

WINTER CALCULATIONS

Winter Heating Load (for 2645 sqft)

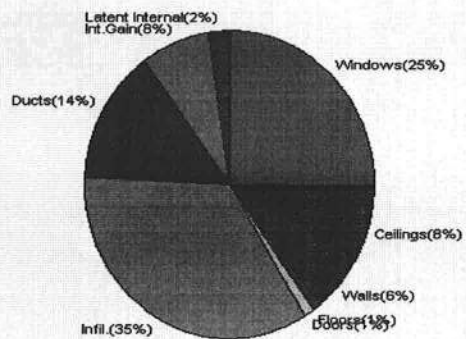
Load component		Load
Window total	365 sqft	11749 Btuh
Wall total	2000 sqft	5717 Btuh
Door total	56 sqft	719 Btuh
Ceiling total	2910 sqft	3428 Btuh
Floor total	2645 sqft	3353 Btuh
Infiltration	353 cfm	14285 Btuh
Duct loss		5808 Btuh
Subtotal		45060 Btuh
Ventilation	0 cfm	0 Btuh
TOTAL HEAT LOSS		45060 Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2645 sqft)

Load component		Load
Window total	365 sqft	12415 Btuh
Wall total	2000 sqft	2997 Btuh
Door total	56 sqft	544 Btuh
Ceiling total	2910 sqft	3892 Btuh
Floor total		348 Btuh
Infiltration	309 cfm	5743 Btuh
Internal gain		3780 Btuh
Duct gain		6066 Btuh
Sens. Ventilation	0 cfm	0 Btuh
Total sensible gain		35785 Btuh
Latent gain(ducts)		821 Btuh
Latent gain(infiltration)		11277 Btuh
Latent gain(ventilation)		0 Btuh
Latent gain(internal/occupants/other)		1200 Btuh
Total latent gain		13298 Btuh
TOTAL HEAT GAIN		49083 Btuh



Version 8
For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: _____

DATE: _____

7/17/09

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/17/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	45060 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	45060 Btuh

EQUIPMENT

1. Electric Heat Pump	#	54100 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

System Sizing Calculations - Winter

Residential Load - Room by Room Component Details

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F

7/17/2009

Component Loads for Zone #1: Main					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	E	105.0	32.2	3380 Btuh
2	2, Clear, Metal, 0.87	E	13.3	32.2	429 Btuh
3	2, Clear, Metal, 0.87	N	30.0	32.2	966 Btuh
4	2, Clear, Metal, 0.87	W	75.0	32.2	2414 Btuh
5	2, Clear, Metal, 0.87	W	26.7	32.2	859 Btuh
6	2, Clear, Metal, 0.87	W	40.0	32.2	1288 Btuh
7	2, Clear, Metal, 0.87	N	20.0	32.2	644 Btuh
8	2, Clear, Metal, 0.87	S	15.0	32.2	483 Btuh
9	2, Clear, Metal, 0.87	S	40.0	32.2	1288 Btuh
	Window Total		365(sqft)		11749 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.08)	19.0	2000	2.9	5717 Btuh
	Wall Total		2000		5717 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		18	12.9	230 Btuh
2	Insulated - Exterior		18	12.9	230 Btuh
3	Insulated - Exterior		20	12.9	259 Btuh
	Door Total		56		719Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/L/Meta	30.0	2910	1.2	3428 Btuh
	Ceiling Total		2910		3428Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Raised Wood - Stem Wall	19	2645.0 sqft	1.3	3353 Btuh
	Floor Total		2645		3353 Btuh
	Zone Envelope Subtotal:				24967 Btuh
Infiltration	Type	ACH X	Volume(cuft)	walls(sqft)	CFM=
	Natural	0.80	26450	2000	352.7
					14285 Btuh
Ductload	Pro. leak free, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.148)				5808 Btuh
Zone #1	Sensible Zone Subtotal				45060 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

7/17/2009

WHOLE HOUSE TOTALS

	Subtotal Sensible	45060 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	45060 Btuh

EQUIPMENT

1. Electric Heat Pump	#	54100 Btuh
-----------------------	---	------------

Key: Window types (SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(Frame types - metal, wood or insulated metal)
(U - Window U-Factor or 'DEF' for default)
(HTM - ManualJ Heat Transfer Multiplier)

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



Version 8
For Florida residences only

Residential Load - Whole House Component Details

Code Only
Professional Version
Climate: North

7/17/2009

Page 1

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

7/17/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	29719 Btuh
	Sensible Duct Load	6066 Btuh
	Total Sensible Zone Loads	35785 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35785 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	11277 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	821 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	13298 Btuh
	TOTAL GAIN	49083 Btuh

EQUIPMENT

1. Central Unit	#	54100 Btuh
-----------------	---	------------

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

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

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

(ExSh - Exterior shading device: none(N) or numerical value)

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

(Ornt - compass orientation)



Version 8
For Florida residences only

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F

7/17/2009

The following window Excursion will be assigned to the system loads.

Windows	July excursion for System 1	Excursion Subtotal:	1844 Btuh 1844 Btuh
Duct load			376 Btuh
		Sensible Excursion Load	2220 Btuh

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang	Window Area(sqft)	HTM	Load
	Pn/SHGC/U/InSh/ExSh/IS		Len Hgt	Gross Shaded Unshaded	Shaded Unshaded	
1	2, Clear, 0.87, None,0.00,N	E	1.5ft 2.5ft	105.0 78.6 26.4	29 29	3041 Btuh
2	2, Clear, 0.87, None,0.00,N	E	10ft 2.5ft	13.3 13.3 0.0	29 29	386 Btuh
3	2, Clear, 0.87, None,0.00,N	N	1ft 10ft.	30.0 0.0 30.0	29 29	869 Btuh
4	2, Clear, 0.87, None,0.00,N	W	1.5ft 2.5ft	75.0 56.2 18.8	29 29	2172 Btuh
5	2, Clear, 0.87, None,0.00,N	W	5ft. 6.66	26.7 16.6 10.1	29 29	772 Btuh
6	2, Clear, 0.87, None,0.00,N	W	5ft. 6.66	40.0 24.9 15.1	29 29	1158 Btuh
7	2, Clear, 0.87, None,0.00,N	N	5ft. 2.5ft	20.0 0.0 20.0	29 29	579 Btuh
8	2, Clear, 0.87, None,0.00,N	S	7.5ft 2.5ft	15.0 15.0 0.0	29 29	434 Btuh
9	2, Clear, 0.87, None,0.00,N	S	7.5ft 2.5ft	40.0 40.0 0.0	29 29	1158 Btuh
	Window Total			365 (sqft)		10571 Btuh
Walls	Type		R-Value/U-Value	Area(sqft)	HTM	Load
1	Frame - Wood - Ext		19.0/0.08	1999.5	1.5	2997 Btuh
	Wall Total			2000 (sqft)		2997 Btuh
Doors	Type			Area (sqft)	HTM	Load
1	Insulated - Exterior			17.8	9.8	174 Btuh
2	Insulated - Exterior			17.8	9.8	174 Btuh
3	Insulated - Exterior			20.0	9.8	196 Btuh
	Door Total			56 (sqft)		544 Btuh
Ceilings	Type/Color/Surface		R-Value	Area(sqft)	HTM	Load
1	Vented Attic/Light/Metal		30.0	2909.5	1.3	3892 Btuh
	Ceiling Total			2910 (sqft)		3892 Btuh
Floors	Type		R-Value	Size	HTM	Load
1	Raised Wood - Stem Wall		19.0	2645 (sqft)	0.1	348 Btuh
	Floor Total			2645.0 (sqft)		348 Btuh
				Zone Envelope Subtotal:		18352 Btuh
Infiltration	Type		ACH	Volume(cuft) wall area(sqft)	CFM=	Load
	SensibleNatural		0.70	26450 2000	308.6	5743 Btuh
Internal gain			Occupants	Btuh/occupant	Appliance	Load
			6	X 230 +	2400	3780 Btuh
				Sensible Envelope Load:		27875 Btuh
Duct load	Prop. leak free, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.204)		5690 Btuh
				Sensible Zone Load		33565 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

Code Only
Professional Version
Climate: North

7/17/2009

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	29719 Btuh
	Sensible Duct Load	6066 Btuh
	Total Sensible Zone Loads	35785 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	35785 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	11277 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	821 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	13298 Btuh
	TOTAL GAIN	49083 Btuh

EQUIPMENT

1. Central Unit	#	54100 Btuh
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*Key: Window types (Pn - Number of panes of glass)

(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)

(U - Window U-Factor or 'DEF' for default)

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

(ExSh - Exterior shading device: none(N) or numerical value)

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

(Ornt - compass orientation)



Version 8
For Florida residences only

Residential Window Diversity

MidSummer

Stuart & Joan Potts
176 NW Cambridge Hill Way
Lake City, FL 32055-

Project Title:
Potts Residence

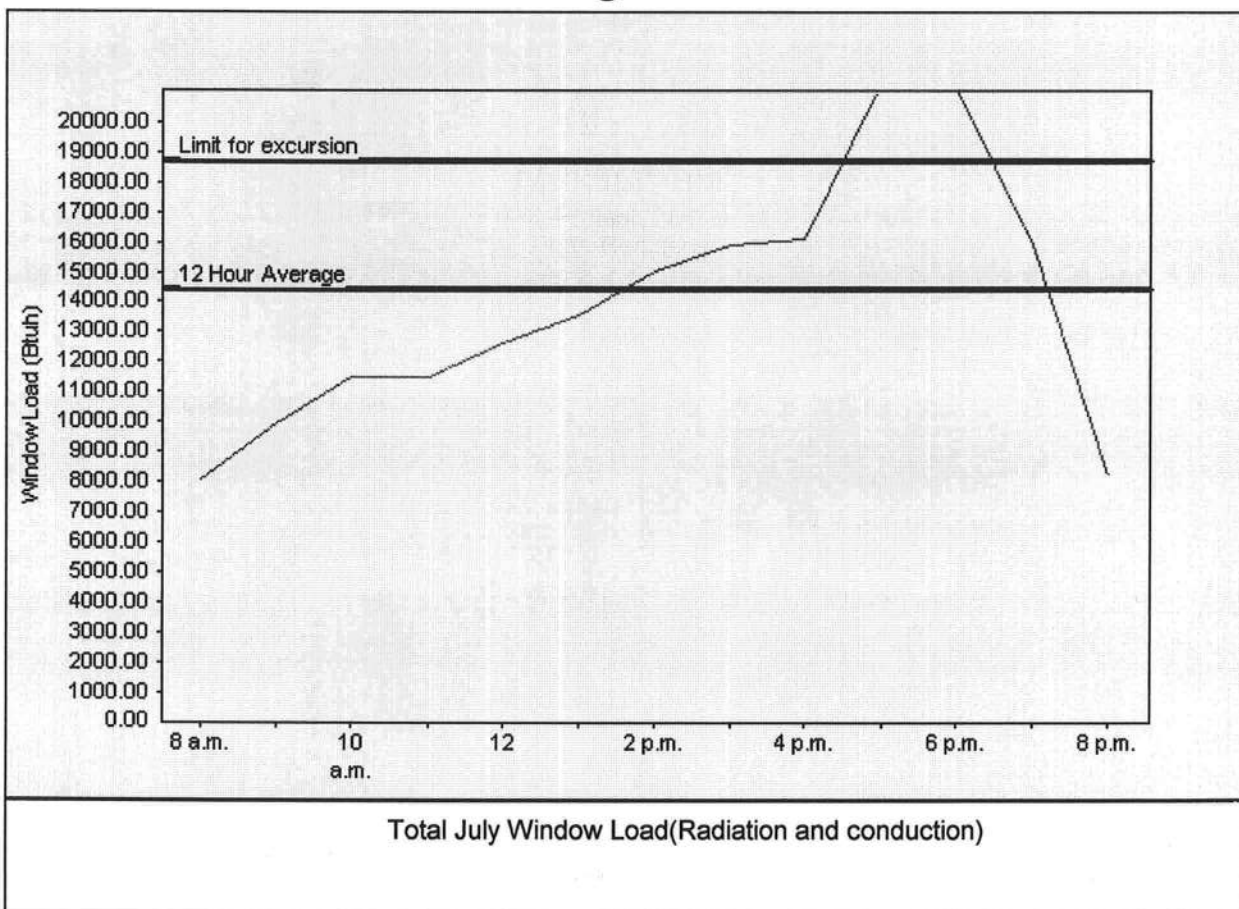
Code Only
Professional Version
Climate: North

7/17/2009

Weather data for: Gainesville - Defaults

Summer design temperature	92 F	Average window load for July	14401 Btu
Summer setpoint	75 F	Peak window load for July	21456 Btu
Summer temperature difference	17 F	Excursion limit(130% of Ave.)	18721 Btu
Latitude	29 North	Window excursion (July)	2734 Btuh

WINDOW Average and Peak Loads



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

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: _____

DATE: _____

EnergyGauge® FLRCPB v4.5.2



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:1TTB8228Z0113140815

Truss Fabricator: Anderson Truss Company
Job Identification: 9-150--OWNER BUILDER Stuart Potts -- , **
Truss Count: 12
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.02.
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-A1101502-GBLLETIN-A1101505-A140GC020109-A140GS020109-

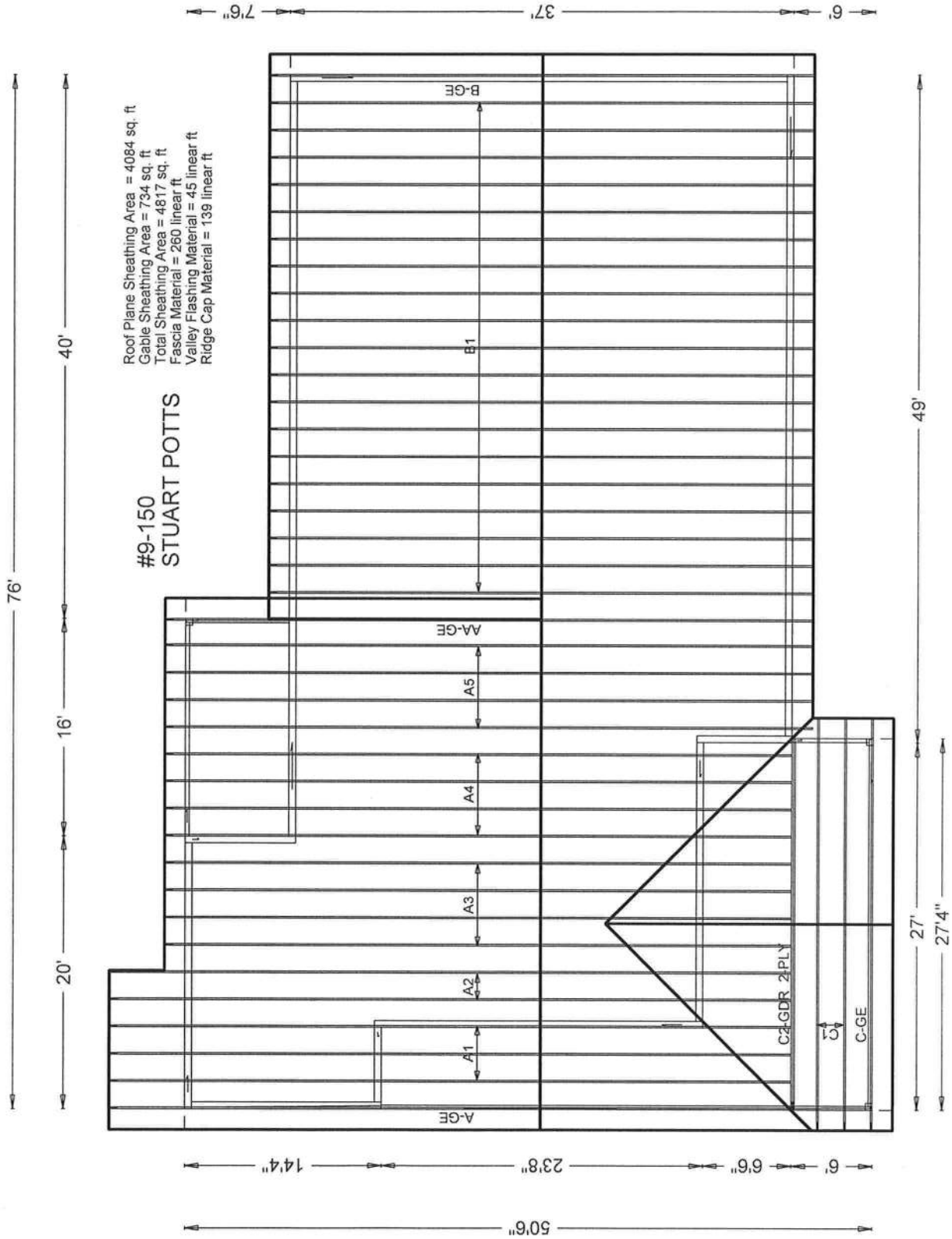
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2	14556--A2		09194002	07/13/09
3	14557--A3		09194003	07/13/09
4	14558--A4		09194004	07/13/09
5	14559--A5		09194005	07/13/09
6	14560--A-GE		09194006	07/13/09
7	14561--AA-GE		09194007	07/13/09
8	14562--B1		09194008	07/13/09
9	14563--B-GE		09194011	07/13/09
10	14564--C2-GDR		09194012	07/13/09
11	14565--C1		09194009	07/13/09
12	14566--C-GE		09194010	07/13/09

Seal Date: 07/13/2009

-Truss Design Engineer-
Walter P. Finn

Florida License Number: 22839
1950 Marley Drive
Haines City, FL 33844





JOB DESCRIPTION: OWNER BUILDER
 /: Stuart Potts

JOB NO:
 9-150

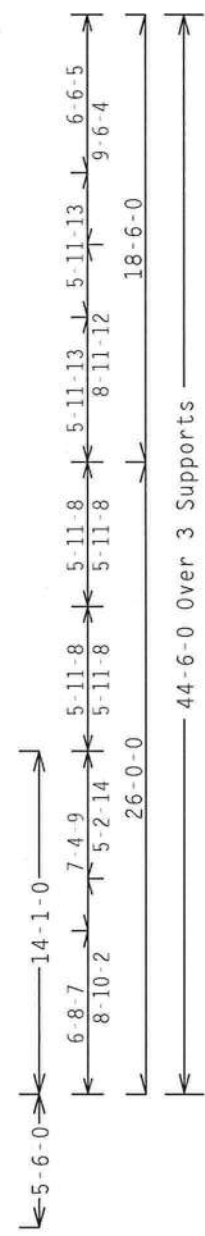
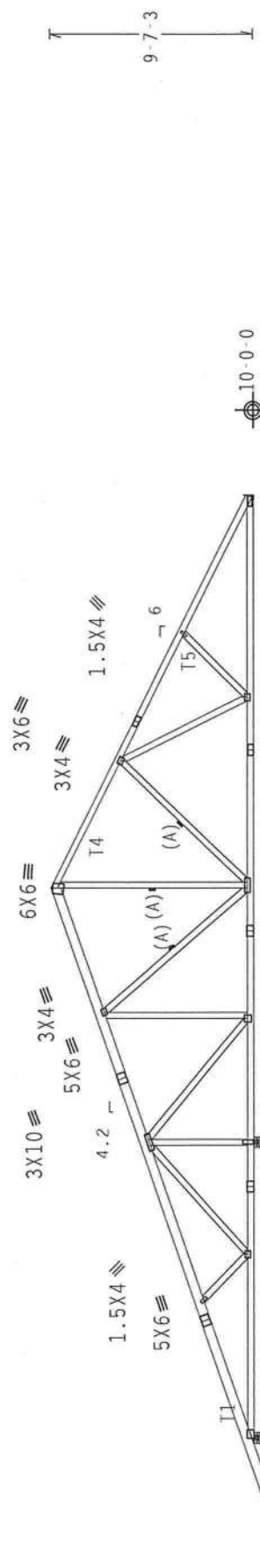
PAGE NO:
 1 OF 1

Top chord 2x6 SP #2 : T1 2x6 SP #1 Dense:
: T4, T5 2x4 SP #2 Dense:
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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.

Top chord overhangs have been checked only for loads as
indicated. Overhangs not checked for man loads or long-term
deflection.

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.
Bottom chord checked for 10.00 psf non-concurrent live load.
Deflection meets L/240 live and L/180 total load.



R=733 U=160 W=6"
RL=228/-265
R=2266 U=490 W=6"

R=1226 U=255 H=Simpson HUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (2)2X0 min. (H)
Scale = .125"/Ft.

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

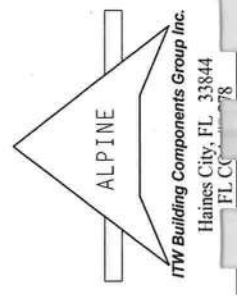
PLT TYP. Wave	QTY: 3		FL/-4/-/-R/-	TC LL	20.0 PSF	REF	R8228-14555		
				TC DL	10.0 PSF	DATE	07/13/09		
				BC DL	10.0 PSF	DRW	HCUS8228 09194001		
				BC LL	0.0 PSF	HC-ENG	KD/WPF		
				TOT.LD.	40.0 PSF	SEQN-	34282		
				DUR.FAC.	1.25	FROM	AH		
				SPACING	24.0"	JREF-	1TTB8228Z01		



****WARNING**** TRUSSES REQUIRE LIFETIME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS MANUFACTURER'S SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURING INSTITUTE, 200 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WPCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, RADFORD, VA, 22319, 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. THE 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 NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018/TIGGA (W/SS/K) ASTM A653 GRADE 40/60 (N, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TGA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT MANUFACTURER'S USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Negative reaction(s) of -213# MAX. (See below) from a non-wind load case requires uplift connection.

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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

Top chord 2x6 SP #2 : T1 2x6 SP #1 Dense:

:T4, T5 2x4 SP #2 Dense:

Bot chord 2x4 SP #2 Dense

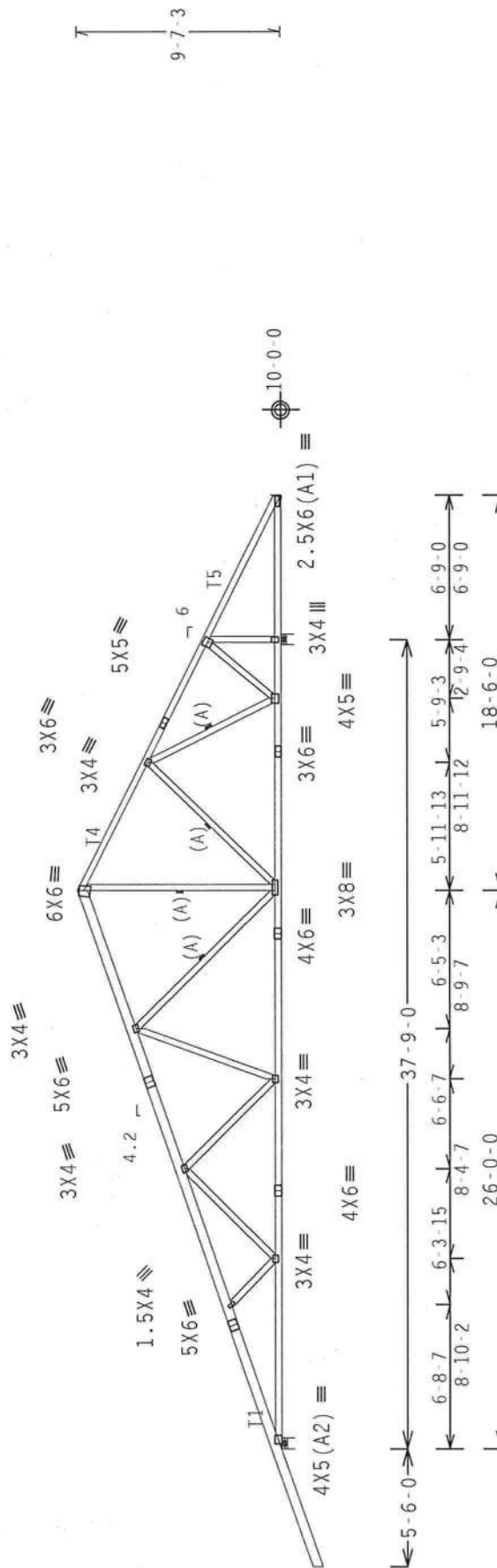
Webs 2x4 SP #3

Roof overhang supports 2.00 psf soffit load.

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.

Top chord overhangs have been checked only for loads as indicated. Overhangs not checked for man loads or long-term deflection.



R=1929 U=416 W=6"
RL=228/-265

R-2555 U-536 W-6"

R=-214 RW=97 U=168 H=Simpson LU26

w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder

Scale = .125"/Ft.

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

PLT TYP. Wave

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. NORTH LEE STEEL BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS PLATE FABRICATOR, 210 NORTH LEE STREET, SUITE 312, ALAMOGADO, CA 92010, MUST BE READ AND UNDERSTOOD BY ALL PERSONS PERFORMING THESE FUNCTIONS. OTHERWISE, INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEE-ING.

IMPORTANT: UNLESS A COPY OF THIS DESIGN IS PROVIDED TO THE INSTALLATION CONTRACTOR, TTM BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE T1, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES. TTM BCG DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI-1. TTM BCG TRUSSES SHALL BE DESIGNED TO MEET THE DESIGN REQUIREMENTS OF THE TRUSS PER DRAWINGS 160A-2. PLATES TO EACH FACE OF TRUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY T1 SHALL BE PER AISC 3.10 T1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SATISFACTORY AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. CONTRACTOR



TC LL	20.0 PSF	REF	R8228 - 14556
TC DL	10.0 PSF	DATE	07/13/09
BC DL	10.0 PSF	DRW	HCUSR8228 09194002
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	40.0 PSF	SEQN -	34296
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF -	1TTB8228Z01

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

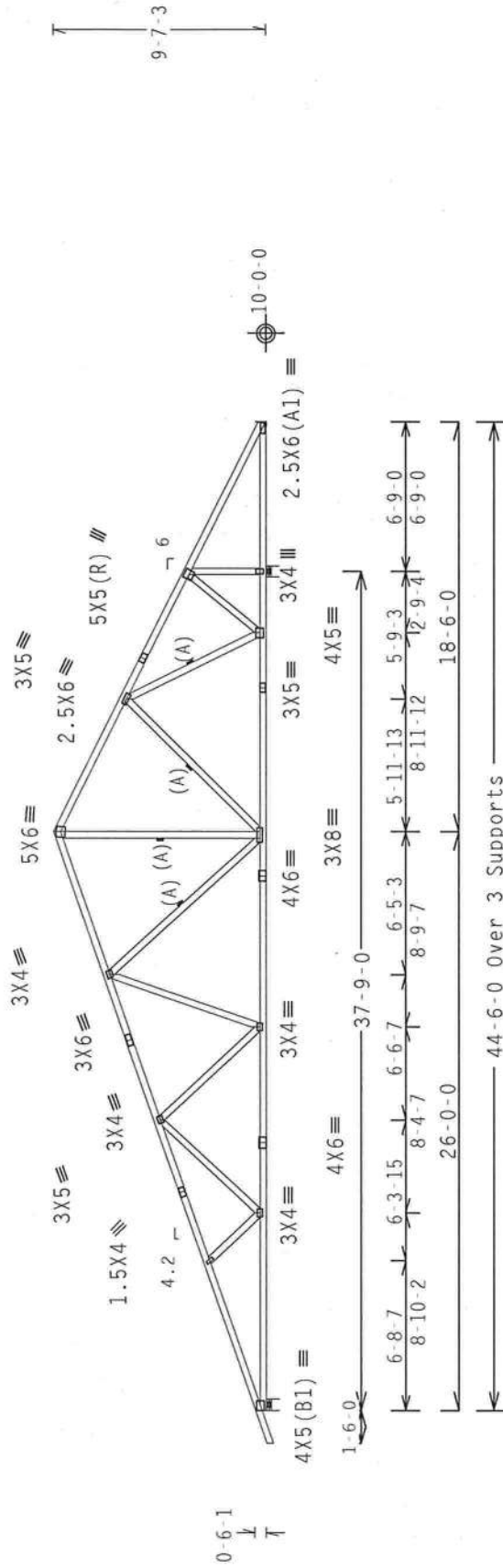
Negative reaction(s) of -379# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt. ASCE 7-05, PART. ENC. bldg, 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. $I_w=1.00$ GCFI (+/-)=0.55

Wind reactions based on MWFRS pressures.

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

MFERS loads based on trusses located at least 7.50 ft. from roof edge.



R=1615 U=354 W=6"
RL=208/-226

R=2780 II=583 W=6"

R--379 RW=107 U=238 H=Simpson LU26

w/ (4) 10d, 0.148"x1.5" nails in Truss

Design Crit: $\text{FBC2007Res/TPI} - 2002(\text{STD})$
 $\text{FT/RT} = 10\% (0\%) / 0 (0)$

Scale = .125" / Ft.

PLT TYP. Wave

[illegible]

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ITW 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.

THIS SPECIFICATION IS BASED ON THE FOLLOWING ASSUMPTIONS:

- (1) CONDUCTOR PLATES ARE MADE OF 2018H16GA (40-55SE78) ALUMINUM GRADE 4076 (MIL-K-8888) GALV. STEEL, APPLY PLATES TO EACH FACE OF TOWER AND OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
- (2) ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA A3 OF TP1T-2002 SEC. 3.

DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



TC LL	20.0	PSF	REF	R8228-	14557
TC DL	10.0	PSF	DATE	07/13/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09194003
BC LL	0.0	PSF	HC-ENG	KD/WPF	
TOT.LD.	40.0	PSF	SEQN-	34305	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTB8228Z01	

(9-150--OWNER BUILDER Stuart Potts -- ** - A4)

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

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

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

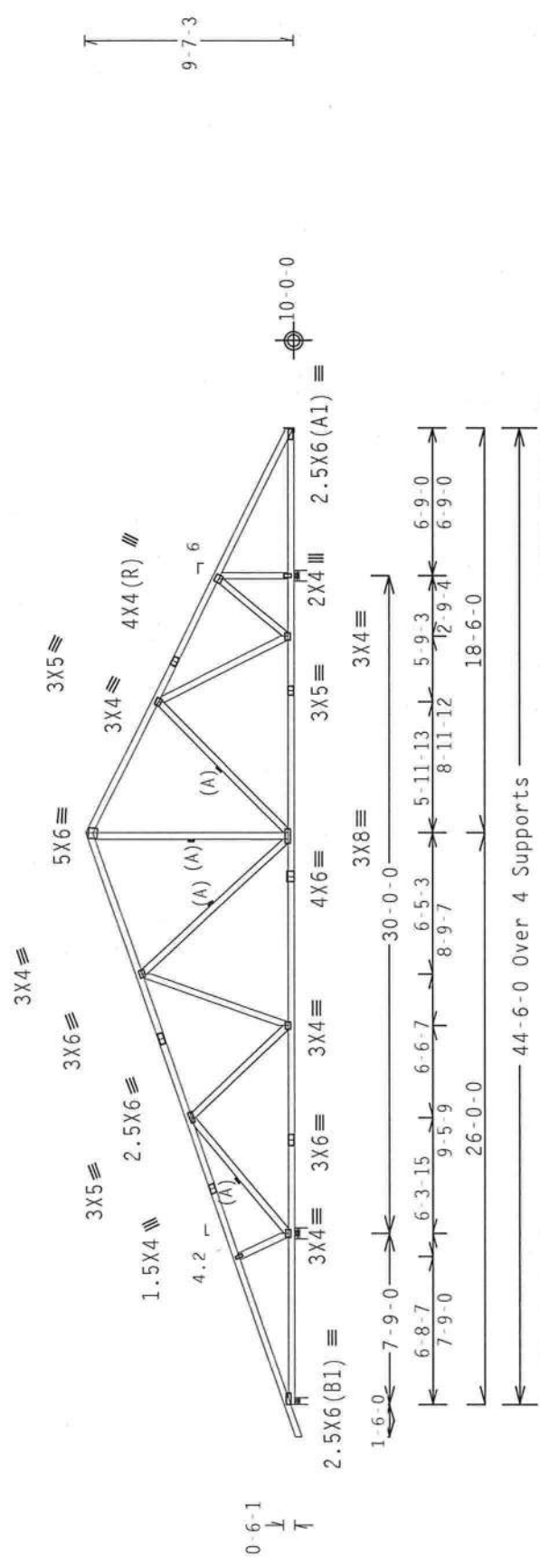
Bottom chord checked for 10.00 psf non-concurrent live load.

(A) Continuous lateral bracing equally spaced on member.

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

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.



R=355 U=48 W=3.5"
RL=208/226 R=1697 U=192 W=6"

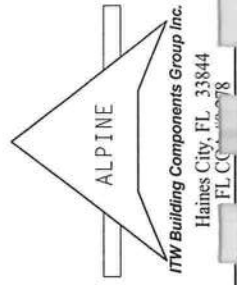
R=1811 U=171 W=6"
R=153 U=49 H=Simpson LU26
w/ (4) 10d, 0.148"x1.5" nails in Truss
w/ (6) 10d Common, 0.148"x3.0" nails in Girder

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



****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, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, MI 48071) 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. THE 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 CONFORMS WITH APPLICABLE PROVISIONS OF AISI (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BCG CORRELATOR PLATES ARE MADE OF 2018/16GA (44/55/57) ASIN A053 GRADE 40/60 (4, 6/8, 55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, SECURE WITH 10D COMMON NAILS. 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 AISI/TPI 1 SEC. 2.



PLT TYP. Wave

TC LL	20.0 PSF	REF	R8228- 14558
TC DL	10.0 PSF	DATE	07/13/09
BC DL	10.0 PSF	DRW	HCUSR8228 09194004
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	40.0 PSF	SEON-	34317
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TTB8228Z01

	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP <td>#2</td> <td>Dense</td>	#2	Dense
		webs	2x4	SP <td>#3</td> <td></td>	#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 MWFRS pressures.

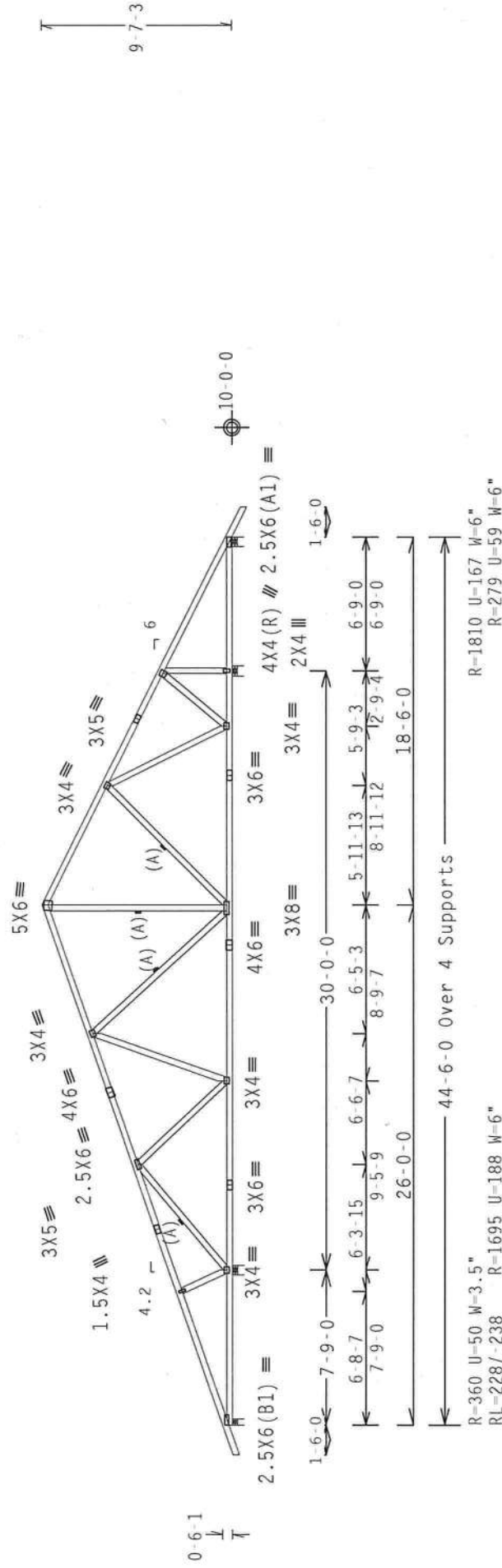
(A) Continuous lateral bracing equally spaced on member.

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

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

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

MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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

PLT TYP. Wave

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

Scale = .125"/Ft.

****WARNING**** CROSS'S REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, REFER TO WEBS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PLATE INSTITUTE, 210 N. WILSON STREET, ALBANY, MO. 64401, FOR ALL SAFETY PRACTICES REGARDING CROSS'S PRODUCTS. UNLESS OTHERWISE INDICATED, CROSS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RUFED EBF.

TC LL	20.0	PSF	REF	R8228-	14559
TC DL	10.0	PSF	DATE	07/13/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09194005
BC LL	0.0	PSF	HC-ENG	KD/WPF	
TOT.LD.	40.0	PSF	SEQN-	34332	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTB8228Z01	

A circular professional engineer seal for Walter P. Finn, State of Florida, License No. 22988. The seal features a signature in the center and stars around the perimeter.

Haines City, FL 33844
FL CO 33844-0078

Jul 13 '99

JREF- 1TTB8228701

	Top	chord	2x6	SP #1	Dense	:T4,	T5	2x4	SP #2	Dense:
Bot	chord	2x4	SP #2	Dense						
	Web	2x4	SP #3							

(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.

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

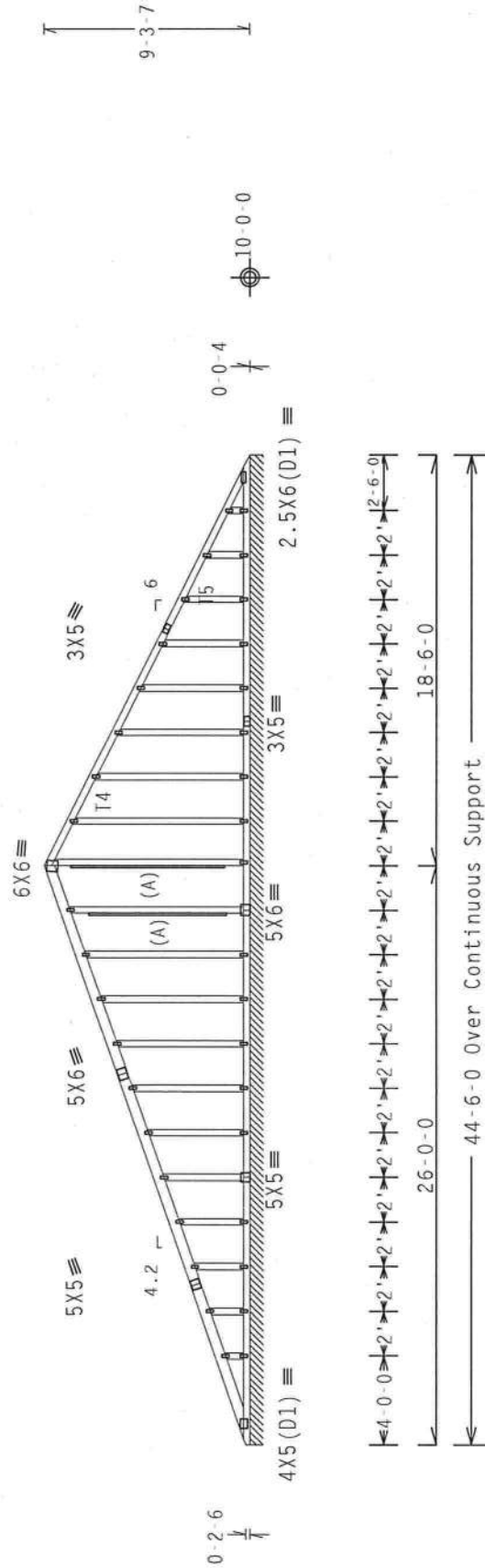
See DWGS A11015020109 & GBLLETIN0109 for more requirements.

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

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 psi, wind
BC DL=5.0 psf, lw=1.00 GCpi(+/-)-0.55

Wind reactions based on MWFRS pressures.

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



R=103 PLF U=19 PLF W=44-6-0
RL=4/-5 PLF

Note: All Plates Are 1.5X4 Except As Shown.

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

PLT TYP. Wave

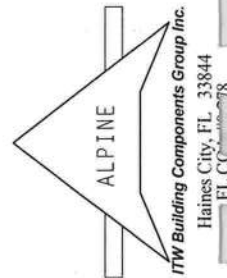
QTY:1 FL/-/4/-/-/R/-/

Scale = .125"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT MANUFACTURER'S PUBLISHED TYPICAL BRACING PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 OR HUSS CORP., 10001 HUSS CORP. OF AMERICA, 6180 WILSON AVENUE, CHICAGO, IL 60631 FOR THE LATEST RECOMMENDED BRACING PRACTICES. THE FOLLOWING INFORMATION IS FOR GENERAL INFORMATION ONLY. THESE TRUSSES MUST BE PROPERLY BRACED TO PREVENT BUCKLING OF THE TOP CHORD. THE TOP CHORD SHALL HAVE A MINIMUM INDICATED TOP CHORD STIFFNESS. THE BOTTOM CHORD SHALL HAVE A MINIMUM INDICATED BOTTOM CHORD STIFFNESS.

****IMPORTANT****FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH SPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AISC) AND TPI. 17TH EDITION. CONNECTOR PLATES ARE MADE OF 20/18/17UGS (0.18/0.55/0.3) A563 GR50 40/60 (0.4/0.55) GALV. STEEL. 17TH EDITION. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE NOTED, POSITIONING PER DRAWINGS 160A-2 THROUGH 160A-10. 17TH EDITION. ALL DIMENSIONS SHALL BE IN MILLIMETERS (INCHES IN PARENTHESES). A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1. SEC. 2.



James City, FL 338
FL 33878

Haines City, FL 33844
FL 33844-78

mes City, FL 33844
FL CO 32678

JREF- 1TTB8228Z01

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

110 mph wind, 15.00 ft mean hat, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-) = 0.18

Wind reactions based on MWFRS pressures.

Stacked top chord must NOT be notched or cut in area (NNL). Attach stacked top chord (SC) to dropped top chord in notchable 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 notchable area using 3x6.

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

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

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

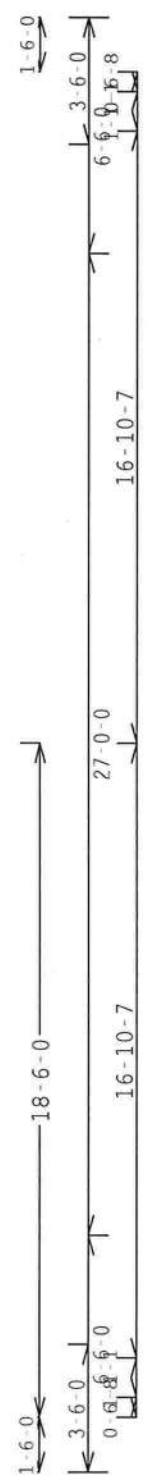
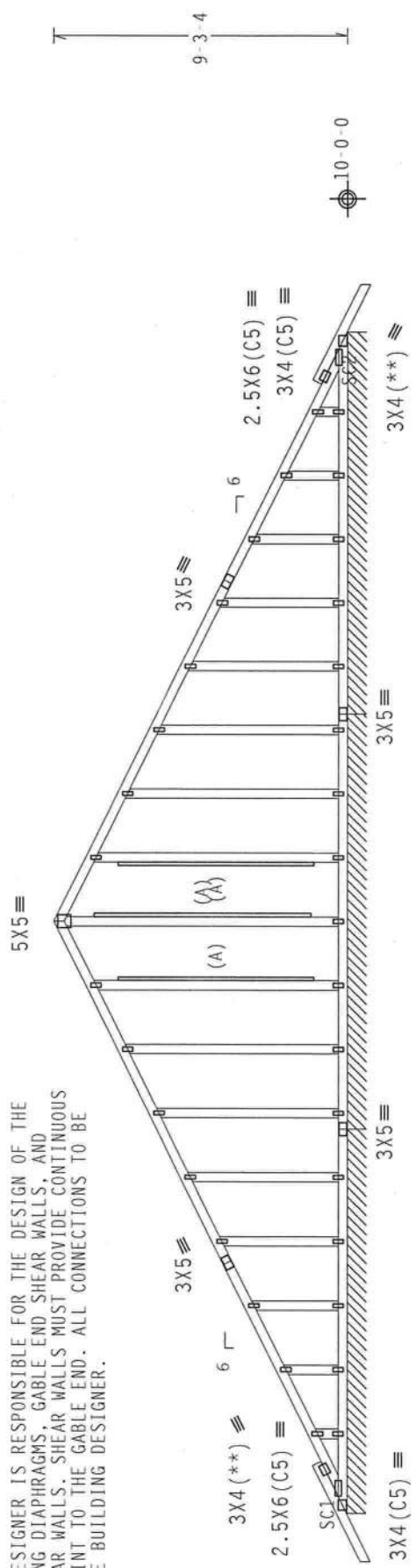
(A) 1x4 #3SIB SPF-S or better "L" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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

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

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



← 37-0-0 Over 3 Supports

R=144 PLF U=23 PLF W=12-0-0	R=144 PLF U=23 PLF W=12-0-0
RL=29/-29 PLF	R=194 PLF U=9 PLF W=13-0-0

Note: All Plates Are 1.5X4 Except As Shown.
Design Crit: FBC2007Res/TPI-2002 (STD)

PLT TYP. Wave

ITW Building Components Group Inc.
Haines City, FL 33844
FLC00000000-78

ALPINE

****WARNING**** THUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 238 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LAKE, WAUWATONIA, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI - OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/KS) ASTM A653 GRADE 40/60 (W, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LABELED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ABRAS 43 OF TPI-1 2002 SEC. 2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

TC LL	20.0 PSF	REF	R8228-	14563
TC DL	10.0 PSF	DATE	07/13/09	
BC DL	10.0 PSF	DRW	HCU8R8228	09194011
BC LL	0.0 PSF	HC-ENG	KD/WPF	
TOT.LD.	40.0 PSF	SEQN -	34445	
DUR.FAC.	1.25	FROM	AH	
SPACING	24.0"	JREF -	1TTB8228Z01	

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)

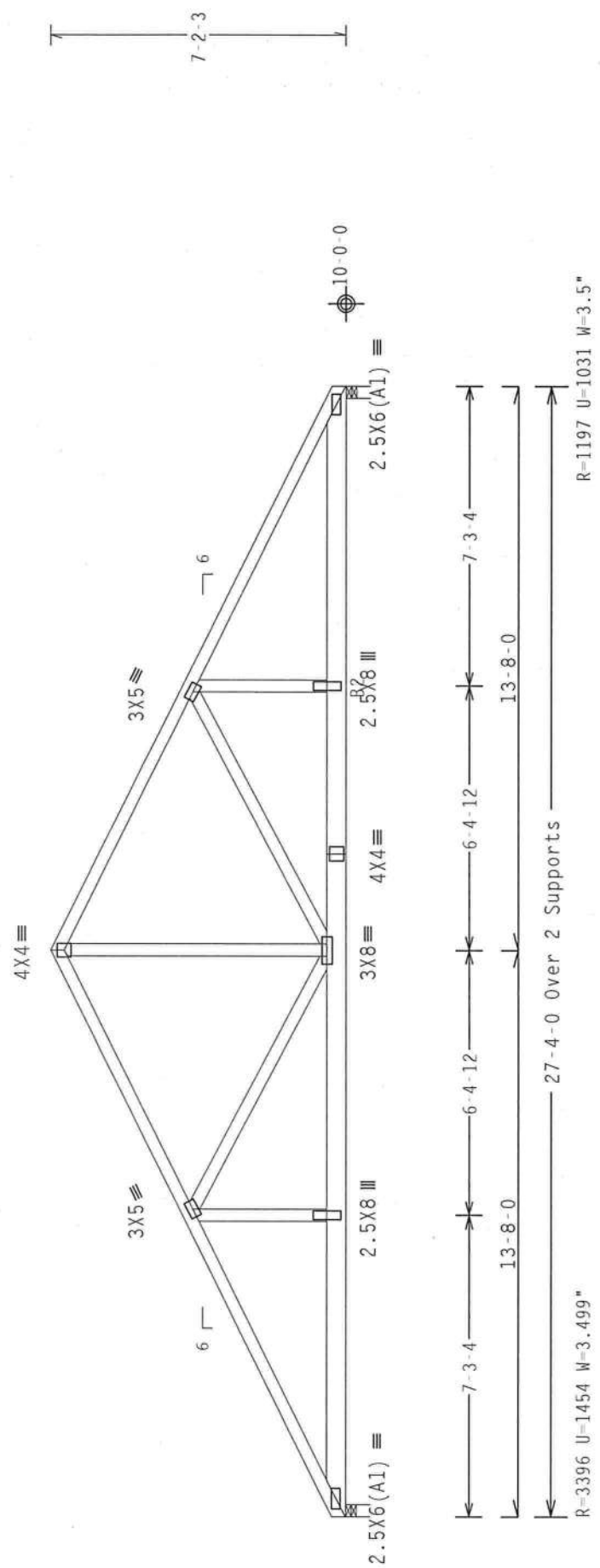
Top Chord: 1 Row @12.00" o.c.

BoL Chord: 1 Row @ 12.00" o.c.
Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED 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. $I_w=1.00$ GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



R=1197 U=1031 W=3.5"

R=3396 U=1454 W=3.499"

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

Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R8228-	14564
TC DL	10.0	PSF	DATE	07/13/09	
BC DL	10.0	PSF	DRW	HCUSR8228	09194012
BC LL	0.0	PSF	HC-ENG	KD/WPF	
TOT.LD.	40.0	PSF	SEQN-	34454	
DUR.FAC.	1.25		FROM	AH	
SPACING	24.0"		JREF-	1TTB8228Z01	



Jul 13 '09

REF- 1TTB8228Z01

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FLCC 078

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

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

Roof overhang supports 2.00 psf soffit load.

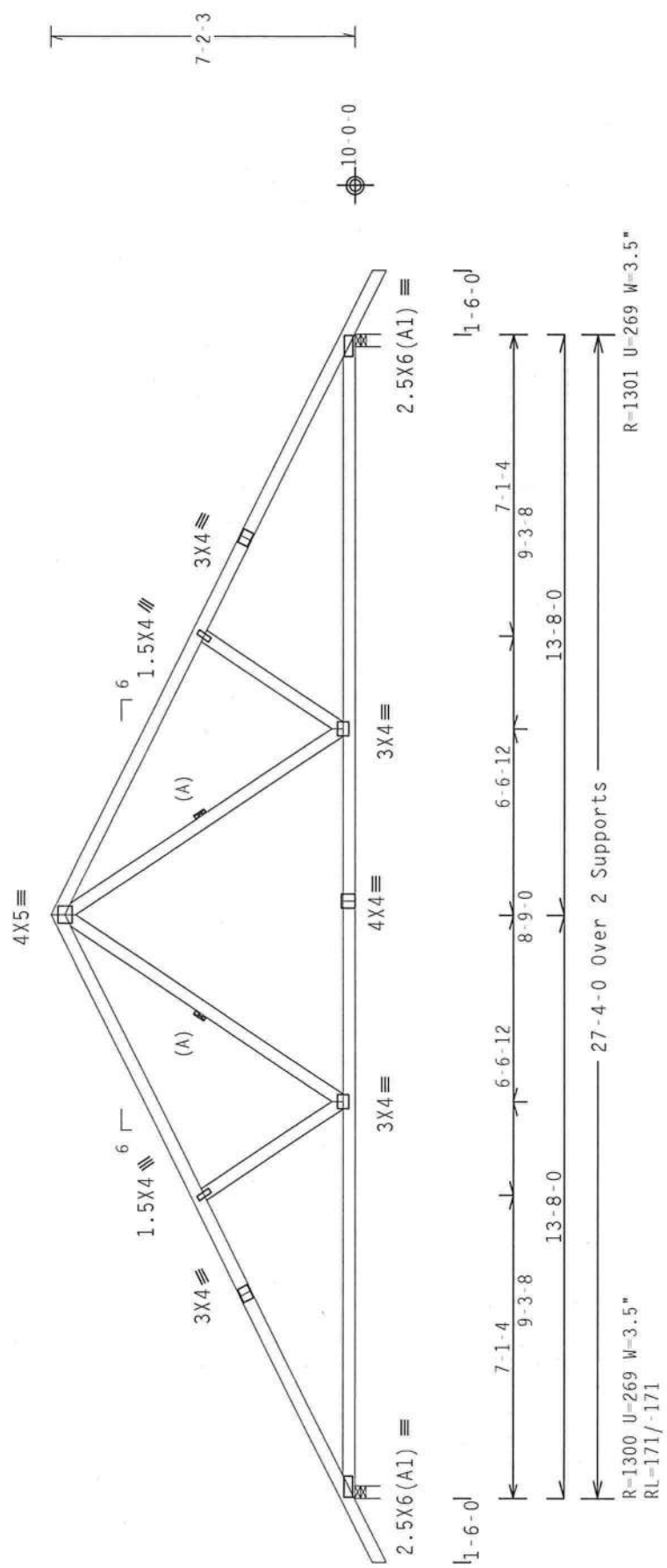
Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

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

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



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

Scale = .25"/Ft.

QTY: 2 FL/- /4/- /R/-

****WARNING**** FRAMES REQUIRE EXTERIOR CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES-1 (BUILDING COMPONENT SAFETY INFORMATION) PUBLISHED BY THE AMERICAN INSTITUTE OF ARCHITECTS, 1735 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND AISC 360 (STEEL DESIGN GUIDE) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE IN INCHES. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE IN INCHES. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE IN INCHES.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH REG. 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. ITH REG. 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.

ITH REG. 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.

TC LL	20.0 PSF	REF	R8228- 14565
TC DL	10.0 PSF	DATE	07/13/09
BC DL	10.0 PSF	DRW	HCUSR8228 09194009
BC LL	0.0 PSF	HC-ENG	KD/WPF
TOT.LD.	40.0 PSF	SEQN	34450
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF	1TTB8228Z01



ALPINE

ITH Building Components Group Inc.
Haines City, FL 33844
FL CC 00000008

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

Stack Chord SC1 2x4 SP #2 Dense::Stack Chord SC2 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

Gable end supports 8" max rake overhang.

See DWGS A140GC020109 & A140GS020109 for more requirements.

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

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

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

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

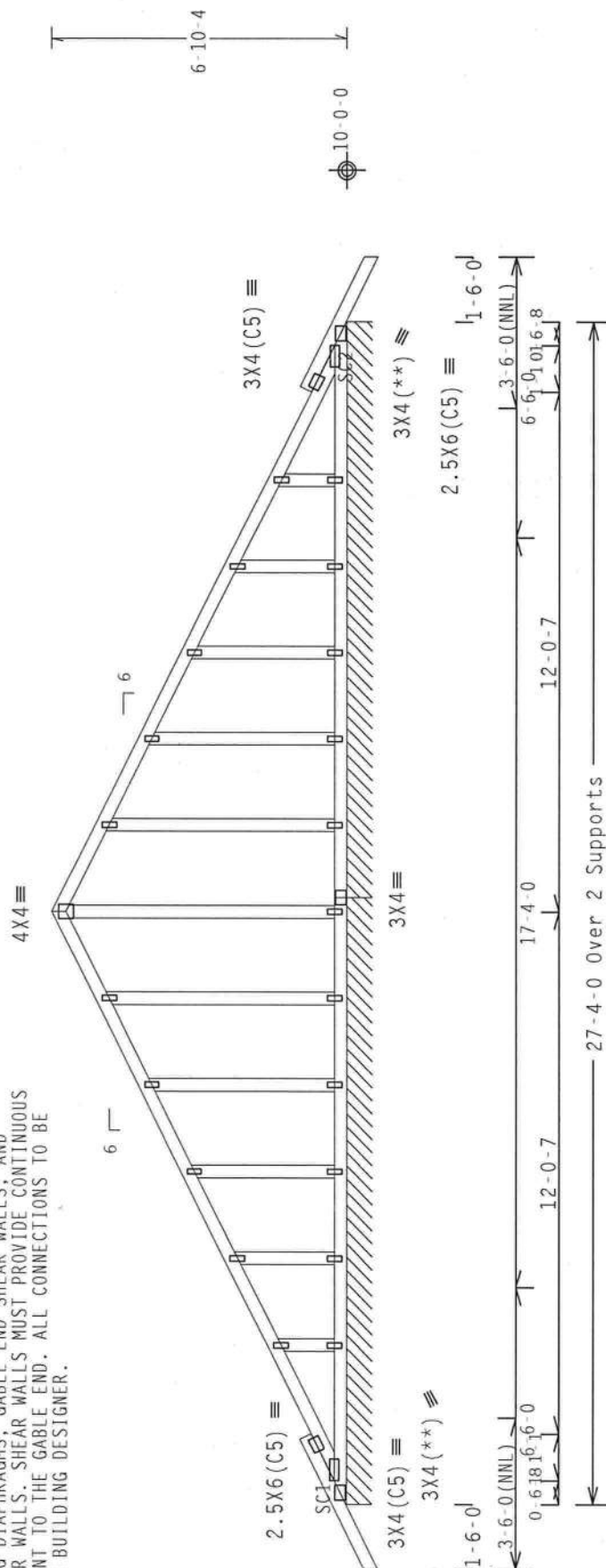
(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Wind reactions based on MWFRS pressures.

Stacked top chord must NOT be notched or cut in area (NNL). Attach to stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Duplicate top chord in notchable area using 3x6.

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



R=161 PLF U=26 PLF W=14-0-0

RL=19/-19 PLF

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(STD)

 $FT/RT=10\%(0\%)/0(0)$

9.02.00.06

QTY:1 FL/-/4/-/-/R/-

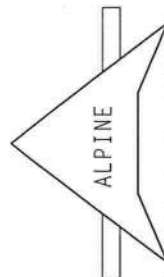
Scale = .25"/Ft.

[illegible]

WARNING THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TITW TRUSS PULPIT INSTITUTE, 2718 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314 AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MOBILE 36, 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THE SE 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. TITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TITW TYPE 1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC), BY AIA/PA AND TITW. CONNECTION PLATES ARE MADE OF 2017/1766GA (W/25%Y) ASTM A653 GRADE 50. PLATE (W, K/J/L/S) 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 AMER AS OF 1/11-2009 SECTION 3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUEPLY FOR THE TRUSS COMPONENT (SEE DRAWING 160A-2). THE USE OF THIS CONSENT FOR ANY BUILDING IS THE SOLE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/PA (160A-2).



ITW Building Components Group Inc.
Haines City, FL 33844
FL 888-778-7878



Jul 13 '09

SPACING 24 0"

RFF- 1TTB8228701

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.

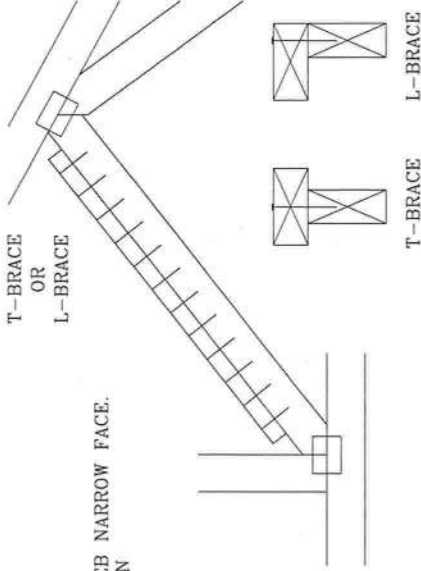
T-BRACING

OR

L-BRACING:

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

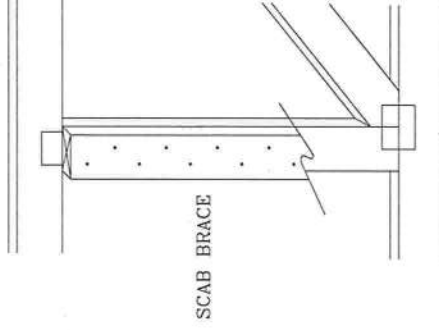
BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

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

BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

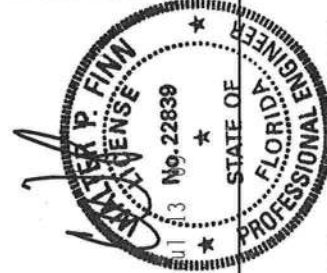


Building Components Group Inc.

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 ITW Building Component Safety Information, by TPI and WCA for safety practices prior to performing any work. Trusses and bracing shall be installed in accordance with the design shown. Trusses 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 ECSS 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/5/K) ASTM A553 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-BGC: www.itwbcg.com; TPI: www.tpinet.com; WCA: www.abcdindustry.com; ICC: www.iccsafe.org



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLBSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

GABLE STUD REINFORCEMENT DETAIL

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C, Kzt = 1.00

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

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	SOUTHERN PINE
STANDARD	STUD
STANDARD	STANDARD

GROUP B:

HEM-FIR	#1 & BTR
#1	

SOUTHERN PINE

#1	DOUGLAS FIR-LARCH
#2	#1
#2	#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 (0.125"x3" min)

* FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 16" END ZONES AND 4' O.C. BETWEEN ZONES.

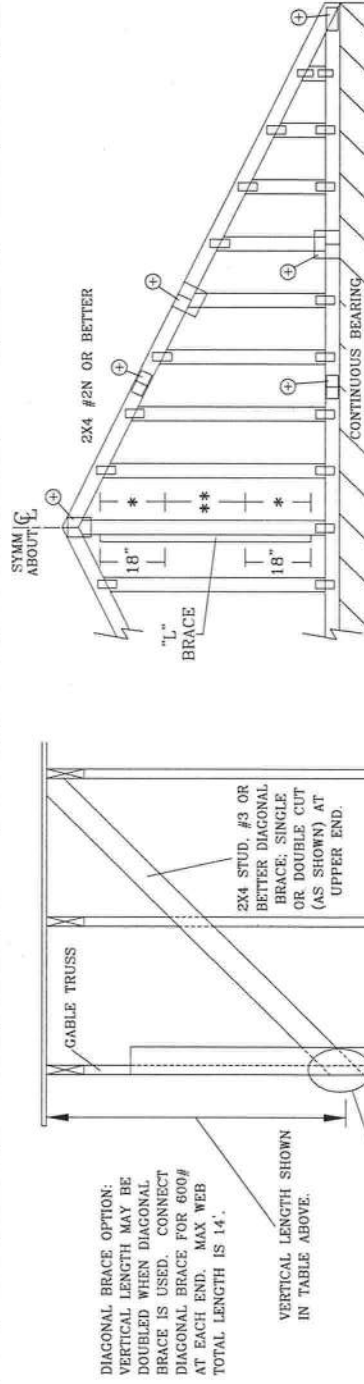
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 16" END ZONES AND 6' O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

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

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow ICCI Building Component Safety Information, by TPI and WCA for safety practices prior to performing installation. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have properly attached structural panels and bottom chords shall have a properly attached ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ICCI 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. (ITWBC) shall not be responsible for any deviation from this design, including but not limited to, the use of materials, methods, or equipment not specified herein. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall have properly attached structural panels and bottom chords shall have a properly attached ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per ICCI sections E3 & E7. See this job's general notes page for more information.

REF ASCE7-02-CAB1015

DATE 1/1/09

DRWG A1015020109

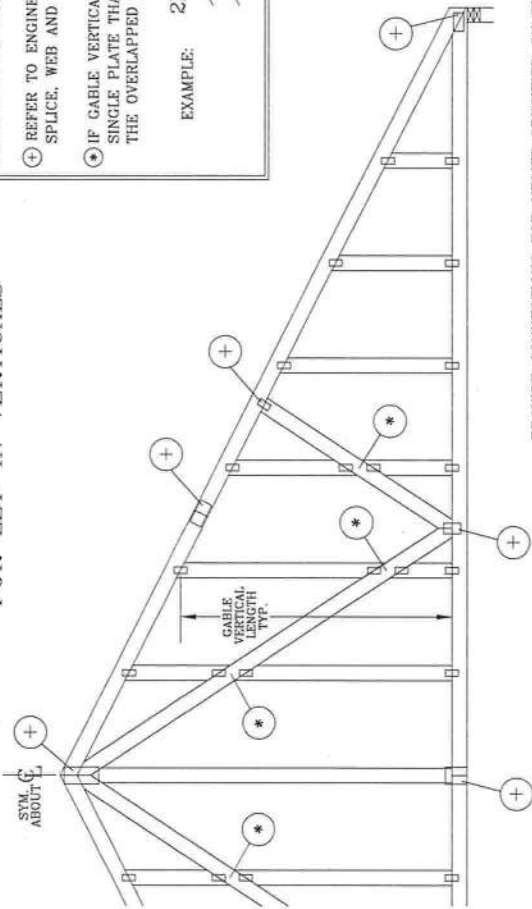
MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"



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, SPICE, 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.

EXAMPLE:



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" X 3" 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.

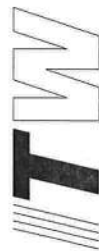
WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET

Trusses require extreme care in fabrication, handling, shipping, installing and bracing. Refer to and follow the ITW Building Components Group Inc. (ITWBCG) instructions for proper handling, shipping, installing and bracing of trusses. ITWBCG connector plates are made of 2018/16GA (W/H/S/K) ASTM A553 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.tpiusa.com; WTCA: www.abctindustry.com; ICC: www.iccsafe.org

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 A553 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.

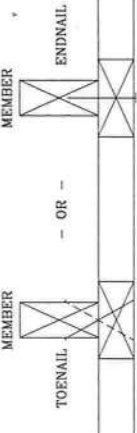


Building Components Group Inc.

Earth City, MO 63045

"T" REINFORCEMENT ATTACHMENT DETAIL

"T" REINFORCING MEMBER



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, $K_{zt} = 1.00$

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"

REF LET-IN VERT

DATE 1/1/09

DRWG GBLTIN0109

MAX TOT. LD. 60 PSF

DUR. FAC. ANY

MAX SPACING 24.0"



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

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

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

BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

#3 STUD	SOUTHERN PINE
STANDARD	STUD
STANDARD	STANDARD

GROUP B:

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

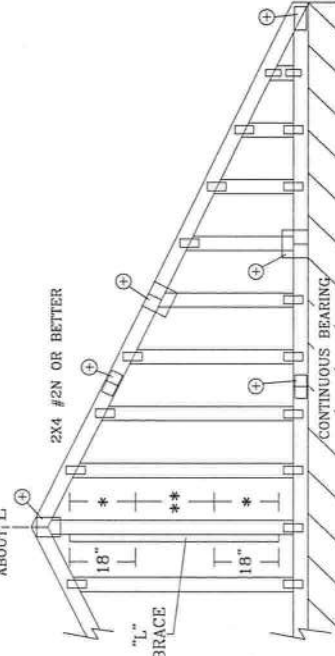
GABLE TRUSS DETAIL NOTES:

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.

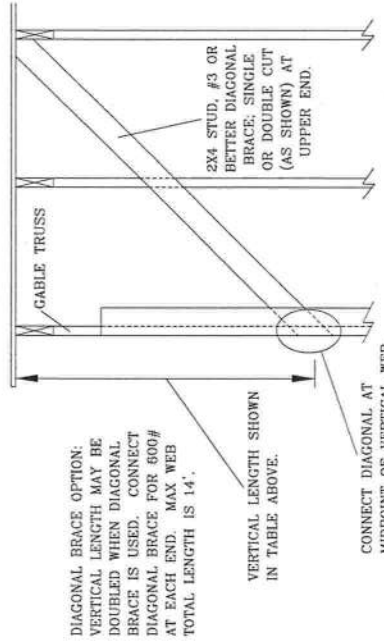
ATTACH EACH "L" BRACE WITH 10d NAILS.
 * FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C.
 IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.
 ** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C.
 IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.
 "L" BRACING MUST BE A MINIMUM OF 80% OF WEB
 MEMBER LENGTH.

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

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



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.



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'.

TW
Building Components Group Inc.

Earth City, MO 63045

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 ICC Building Component Safety Information, by TPI and WCA) for safety practices prior to performing
 the work. Trusses shall be installed in accordance with the ICC Building Component Safety Information
 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 ICCS
 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 be held 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 (W15/S4) ASTM A653 grade 37/40/60
 (K/R/HLS) 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.tpiusa.com, WCA: www.wcaindustry.com, ICC: www.iccsafe.org

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

MAX. TOT. LD. 60 PSF
 MAX. SPACING 24' 0"

KATHER P. FINN
 LICENSE
 No. 22839
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

COLUMBIA COUNTY OFFICE COLUMBIA

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 29-2S-16-01777-141

Building permit No. 000027989

Use Classification SFD, UTILITY

Fire: 0.00

Permit Holder STUART POTTS

Waste:

Owner of Building STUART POTTS

Total: 0.00

Location: 176 NW CAMBRIDGE HILL WAY, LAKE CITY, FL 32055

Date: 04/27/2011

Harry Dicks

Building Inspector



POST IN A CONSPICUOUS PLACE
(Business Places Only)

**Mark D. Duren and
Associates, Inc.**
Professional Surveyor and Mapper

120 NW Burk Ave Suite 103
Lake City, FL 32025
386-758-9831 Phone
386-758-8010 Fax

27989

OK
BLK

27.04.11

April 21, 2011

To whom it may concern,

The floor elevation of the dwelling on Lot 41, "Suwannee Valley Farms phase 2", 176 NW Cambridge Hill Way, Tax Parcel ID. No. 29-2s-16-01777-141, Columbia County, Florida, 98.32 feet, NAVD 1988 Datum.



Mark D. Duren, LS 4708



NOTICE OF INSPECTION AND/OR TREATMENT

Date of Inspection

10/14/09

TH

Date of Treatment

27989

Date of Spot Treatment

Premise Pro

Pesticide Used

subterranean Termites

Wood-Destroying Organisms Treated

****Notice****

It is a violation of Florida State Law (Chap. 482.226) for anyone other than the property owner to remove this notice.

Address:

Pestmaster Services of Lake City

187 SE Country Club Rd., Suite 101 • Lake City, FL 32025

386-752-7779