DATE 09/02/2009

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000028051

APPLICANT GLENWOOD KING PHONE 397-4708

ADDRESS 139 SW DUNN WAY LAKE CITY FL 32024

OWNER AUDREY ANN & MARY ANN GREENE PHONE

ADDRESS 694 NW HOPEWELL CHURCH TERR WHITE SPRINGS FL 32096

CONTRACTOR GLENWOOD KING PHONE 397-4708

LOCATION OF PROPERTY 441N, TL ON HIGHWAY 6, TR ON HOPEWELL CHURCH TERR.,
TL AT 1ST GATE, TR AT CORNER OF FENCE, JOB SITE AHEAD

TYPE DEVELOPMENT SFD,UTILITY ESTIMATED COST OF CONSTRUCTION 196800.00

HEATED FLOOR AREA 2560.00 TOTAL AREA 3936.00 HEIGHT STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB

LAND USE & ZONING A-1 MAX. HEIGHT

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 04-1N-16-01497-005 SUBDIVISION

LOT BLOCK PHASE UNIT TOTAL ACRES 5.41

		CBC059726	Glenwood King
Culvert Permit No.	Culvert Waiver	Contractor's License Number	Applicant/Owner/Contractor

EXISTING	09-426	BK	WR	Y
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: LEGAL NON-CONFORMING LOT OF RECORD, VESTED RIGHTS, MFE @ 103',
ELEVATION CONFIRMATION LETTER REQUIRED AT SLAB, NOC ON FILE

Check # or Cash 8361

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power ____ date/app. by | Foundation ____ date/app. by (footer/Slab) | Monolithic ____ date/app. by

Under slab rough-in plumbing ____ date/app. by | Slab ____ date/app. by | Sheathing/Nailing ____ date/app. by

Framing ____ date/app. by | Insulation ____ date/app. by

Rough-in plumbing above slab and below wood floor ____ date/app. by | Electrical rough-in ____ date/app. by

Heat & Air Duct ____ date/app. by | Peri. beam (Lintel) ____ date/app. by | Pool ____ date/app. by

Permanent power ____ date/app. by | C.O. Final ____ date/app. by | Culvert ____ date/app. by

Pump pole ____ date/app. by | Utility Pole ____ date/app. by | M/H tie downs, blocking, electricity and plumbing ____ date/app. by

Reconnection ____ date/app. by | RV ____ date/app. by | Re-roof ____ date/app. by

BUILDING PERMIT FEE $ 985.00 CERTIFICATION FEE $ 19.68 SURCHARGE FEE $ 19.68

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** 1099.36

INSPECTORS OFFICE Jake Tedder CLERKS OFFICE CH

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

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

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

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

Columbia County Building Permit Application

For Office Use Only Application # 0908-32 Date Received 8/21/09 By LH Permit # 28051

Zoning Official BLK Date 01.09.09 Flood Zone Floodable X Land Use A-1 Zoning A-1

FEMA Map # N/A Elevation N/A MFE 103' River Suwannee Plans Examiner KVR Date 8/31/09

Comments Legal Non-Conforming Lot of Record, Vested Rights, Elevation Confirmation Letter Required at slab

✓ NOC ✓ EH ✓ Deed or PA ✓ Site Plan NA State Road Info ☐ Parent Parcel #

☐ Dev Permit # ☐ In Floodway ☐ Letter of Auth. from Contractor NA F W Comp. letter

IMPACT FEES: EMS Fire Corr Road/Code

School = TOTAL Suspended Existing Well

Septic Permit No. 09-0426 Fax (386) 755-0680

Name Authorized Person Signing Permit Glenwood King Phone (386) 397-4708

Address 139 SW Dunn Way Lake City FL 32024

Owners Name Audrey Ann & Mary Ann Greene Phone

911 Address 694 NW Hopewell Church Terrace, White Springs, FL 32096

Contractors Name Glenwood King Phone 386-397-4708

Address 139 SW Dunn Way Lake City FL 32024

Fee Simple Owner Name & Address

Bonding Co. Name & Address

Architect/Engineer Name & Address Tim Delbene

Mortgage Lenders Name & Address

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

Property ID Number 04-1N-16-01497-005 Estimated Cost of Construction 260,000.00

Subdivision Name N/A Lot ___ Block ___ Unit ___ Phase ___

Driving Directions US 441 North to Hwy 6 T/L Appr. 1 mile T/R on NW Hopewell Church Terrace (NW Baycreek) go to 1st Gate on Left go three Fenced Field driveway T/R when you pass corner of fence you will see job site ahead

Number of Existing Dwellings on Property 0

Construction of New Home SFD Total Acreage 5.41 Lot Size 5.41

Do you need a - Culvert Permit or Culvert Waiver or (Have an Existing Drive) Total Building Height 17'

Actual Distance of Structure from Property Lines - Front 370 Side 170' Side 120' Rear 75'

Number of Stories 1 Heated Floor Area 2560 Total Floor Area 3936 Roof Pitch 6/12

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

Spoke to Glenwood 9/2/09

Columbia County Building Permit Application

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

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

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

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

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

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

NOTICE TO OWNER: There are some properties that may have deed restrictions recorded upon them. These restrictions may limit or prohibit the work applied for in your building permit. It may be to your advantage to check and see if your property is encumbered by any restrictions.

(Owners Must Sign All Applications Before Permit Issuance.)

Mary Ann Greene

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

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

Glenwood Kemp

Contractor's Signature (Permitee)

Contractor's License Number CBC059726
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 21st **day of** Aug **20** 09

Personally known ____ **or Produced Identification** _____

Gale Tedder

State of Florida Notary Signature (For the Contractor)

SEAL:

GALE TEDDER
MY COMMISSION # DD 805686
EXPIRES: July 14, 2012
Bonded Thru Notary Public Underwriters

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 0908-32 CONTRACTOR Glenwood King PHONE (386)397-470

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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

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

ELECTRICAL ok 8/31/2010	Print Name STEVE THOMAS License #: EC000 1121	Signature J. Steven Thomas Phone #: 386-752-5125
MECHANICAL/ A/C ok 8/31/2010	Print Name Glenn I. Jones Inc. License #: CAC051486	Signature Phone #: 386 752 5389
PLUMBING/ GAS ok 8/31/2010	Print Name FRED APPELL License #: CFC1426088	Signature Fred Appell Phone #: 386.208.5199
ROOFING ok 8/31/2010	Print Name Glenwood King License #: CBC059726	Signature Glenwood King Phone #: 397-4708
SHEET METAL	Print Name License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name License#:	Signature Phone #:
SOLAR	Print Name License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
ok MASON	5900	Brant J Stevens	Brant Stevens
ok CONCRETE FINISHER	28	Butch L. Vaungh	Butch L
ok FRAMING	CBC059726	Glenwood King	Glenwood King
? INSULATION	*	Bruce SPicer	Bruce Spicer
STUCCO			
ok DRYWALL	000169	VERNON PHILMAN	Vernon Philman
PLASTER			
? CABINET INSTALLER	*	Dale King	*
ok PAINTING	355	Mike Kautz	* faxed in
ACOUSTICAL CEILING			
GLASS			
ok CERAMIC TILE	5409	Wayne Wallace	*
no license FLOOR COVERING		VAnn Carpet One	
ok ALUM/VINYL SIDING	166	MIKE Nicholson	Michael R. Nicholson
Will OK GARAGE DOOR		Carl Bullard	
METAL BLDG ERECTOR			

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

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 0908-32 CONTRACTOR Glenwood King PHONE 386/397-41

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ELECTRICAL 8/31/2010	Print Name STEVE THOMAS	Signature S. Thomas	
	License #: EC 0001121	Phone #: 386-752-5125	
MECHANICAL/ A/C 8/31/2010	Print Name Glenn I. Jones Inc.	Signature	
	License #: CAC051486	Phone #: 386/752/5389	
PLUMBING/ GAS 8/31/2010	Print Name FRED APPELL	Signature	
	License #: CFC1426088	Phone #: 386-208-5199	
ROOFING 8/31/2010	Print Name Glenwood King	Signature Glenwood King	
	License #: CBC059726	Phone #: 397-4708	
SHEET METAL	Print Name	Signature	
	License #:	Phone #:	
FIRE SYSTEM/ SPRINKLER	Print Name	Signature	
	License#:	Phone #:	
SOLAR	Print Name	Signature	
	License #:	Phone #:	

	Specialty License	License Number	Sub Contractor Printed Name	Sub Contractor Signature
ok	MASON	5900	Brant T Stevens	Brant T Stevens
ok	CONCRETE FINISHER	28	Butch L. Vaught	Butch L. Vaught
ok	FRAMING	CBC059726	Glenwood King	Glenwood King
?	INSULATION	*	Bruce Spicer	Bruce Spicer
	STUCCO			
ok	DRYWALL	000169	Vernon Philman	Vernon Philman
	PLASTER			
?	CABINET INSTALLER	*	Dale King	*
ok	PAINTING	355	Mike Kautz	* Mike Kautz
	ACOUSTICAL CEILING			
	GLASS			
ok	CERAMIC TILE	5409	Wayne Wallace	*
70 Hours	FLOOR COVERING		Van Carpet Inc	
ok	ALUM/VINYL SIDING	1166	MIKE Nicholson	Mike R. Nicholson
Applied	GARAGE DOOR		Carl Bullard	
	METAL BLDG ERECTOR			

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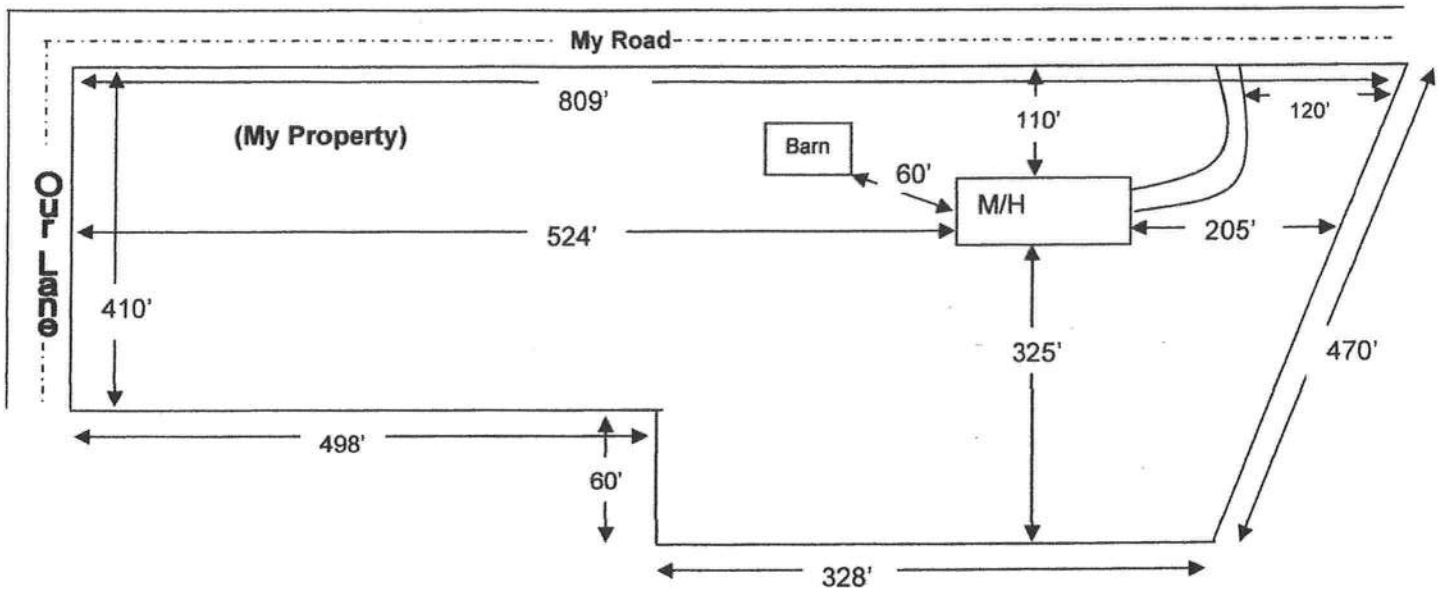
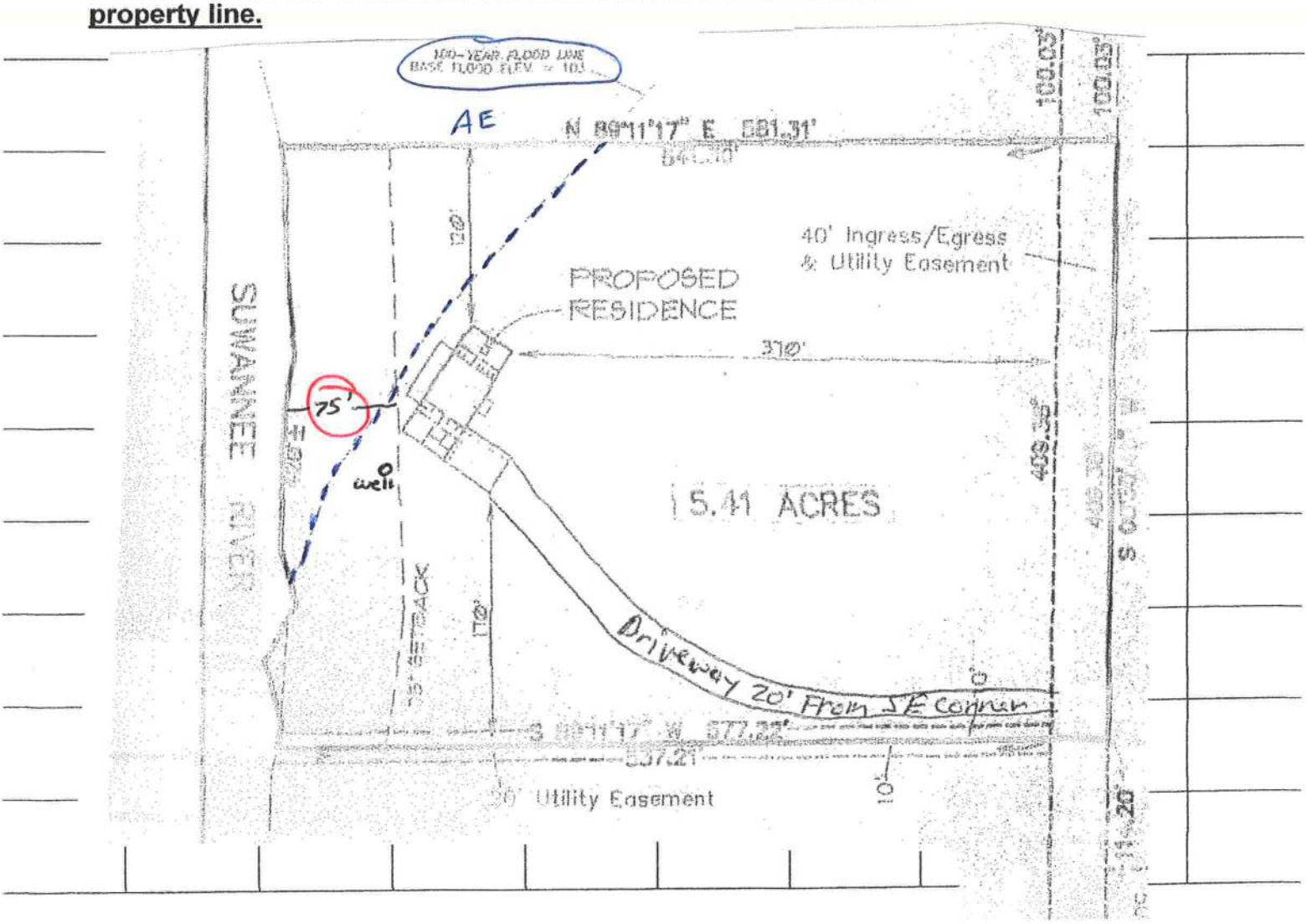
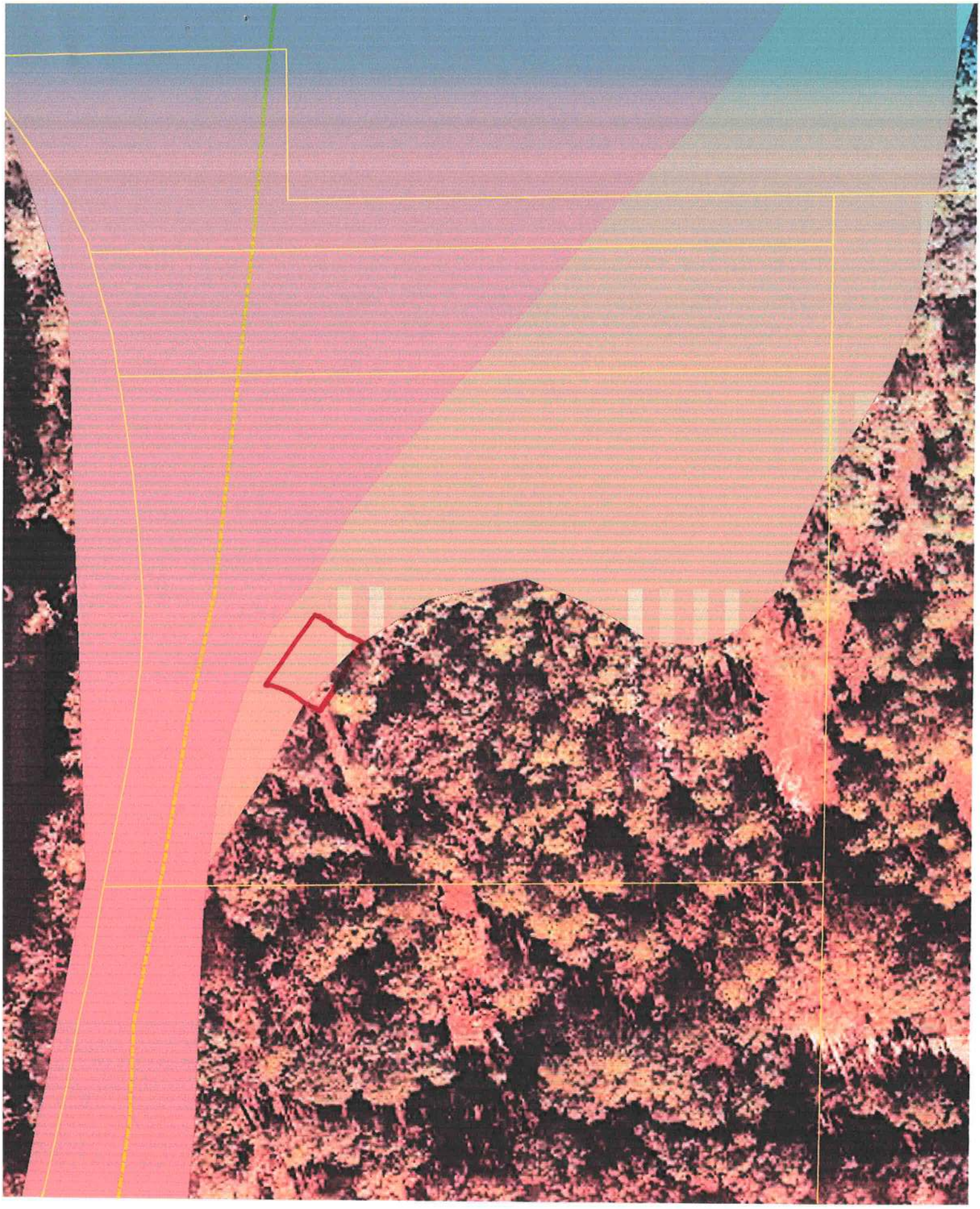
SITE PLAN EXAMPLE / WORKSHEET



Use this example to draw your own site plan. Show all existing buildings and any other homes on this property and show the distances between them, Also show where the roads or roads are around the property. <u>This site plan can also be used for the 911 Addressing department if you include the distance from the driveway to the nearest property line.</u>





0908-32

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

12 May 2006

John E. Norris, Esquire
Norris & Foreman, P. A.
P. O. Box 2349
Lake City, FL 32056-2349

Re: Carter Family Limited Partnership

Dear Mr. Norris;

This will supplement my letter to you dated 30December 2003 regarding division of the Carter Family Limited Partnership property bordering the Suwannee River in Columbia County.

At your request I have reviewed the survey reflecting the proposed division of the property into three (3) separate parcels. The southernmost parcel contains 4.54 acres which surrounds an out parcel owned by Bryan Guerry. The middle parcel is 5.03 acres and includes a dwelling, outbuildings, power pole and septic tank. The northernmost parcel of property includes a swimming pool, frame building, septic tank, and well. You have further advised the division line between the parcels will be shifted 100 feet to the south so that the swimming pool and surrounding improvements will be located entirely on the northernmost parcel.

Based upon the survey and other information provided, it is the County's opinion that the three (3) proposed parcels of property would qualify as vested rights property under Section 2.4 of the Columbia County Land Development Regulations. It is my further understanding that the entire parcel of land had multiple ownership as beneficiaries of the estate of Emory Carter prior to adoption of the Columbia County Comprehensive Land Use Plan in June 1991.

If you need anything further regarding this issue, please do not hesitate to give me a call at 758.1007.

Sincerely,

Brian L. Kepner
Land Development Regulation Administrator,
County Planner

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

March 24, 2008

Mary Ann Greene
546 SE Evergreen Drive
Lake City, FL 32025

Subject: Mary Ann Greene Work of the District Exemption, ERP08-0089, Columbia County

Dear Mrs. Greene:

The above mentioned proposed project in Columbia County does not require an ERP permit by the Suwannee River Water Management District (District). This decision was based on the letter submitted March 24, 2008, and our earlier site visit. It has been determined that the proposed activity follows subsection 40B-4.3030, Florida Administrative Code (F.A.C.), and provides reasonable assurance that the project will:

1. Not reduce floodway conveyance.
2. Be located outside of the regulatory floodway of the Suwannee River.

If this project does not comply with the above stated items, a permit will be required.

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

If you have any questions, please call me at 386.362.1001, or toll free at 800.226.1066.

Sincerely,

Kevin Wright
Resource Management Department

KW/rl
cc: Columbia County Building Department

09-0426

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

PERMIT # 932348
DATE PAID 8/11/08
FEE PAID $ 310.00
RECEIPT # 1172138

LC

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

APPLICANT: MARY ANN & Audrey ANN Groove TELEPHONE: 386/755-6372

AGENT: Robert ford HFST INC.

MAILING ADDRESS: 580 NW Gordon Rd LC Fl. 32055

==========

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

==========

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

LOT: ~ BLOCK: ~ SUBDIVISION: Metes & Bounds DATE OF SUBDIVISION: NA

PROPERTY ID #: 04-1N-16-01497-005 [Section/Township/Range/Parcel No.] ZONING: Res.

PROPERTY SIZE: 5.41 ACRES [Sqft/43560] PROPERTY WATER SUPPLY: [X] PRIVATE [ ] PUBLIC

PROPERTY STREET ADDRESS: Hopewell Church Rd.

DIRECTIONS TO PROPERTY: Hwy 441 NORTH TO 22 mile to NW Bay Creek St (ST Rd 6) Turn left go to Hopewell CHURCH Rd TR Go to Gate on left old Barn follow to Back on Right

BUILDING INFORMATION [*] RESIDENTIAL [ ] COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area Sqft	# Persons Served	Business Activity For Commercial Only
1	SF House	3	2560	2	
2					
3					
4	Held for 2nd level review, 8.20.09				

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

APPLICANT'S SIGNATURE: Robert W Ford IV DATE: 8/10/09

RECEIVED 8/10/09 SM

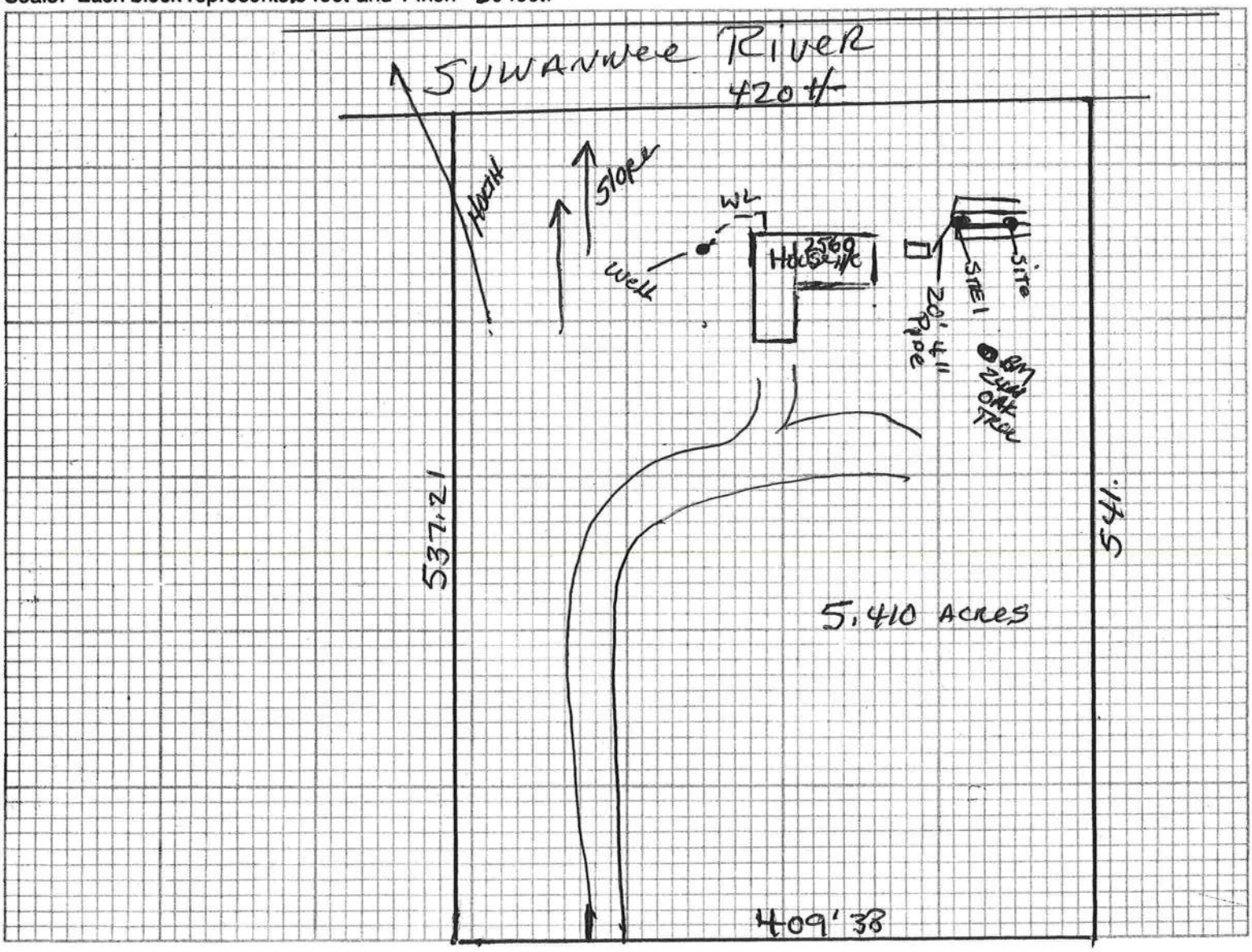
STATE OF FLORIDA
DEPARTMENT OF HEALTH

APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

Permit Application Number 09-0426

PART II - SITE PLAN

Scale: Each block represents 10 feet and 1 inch = 100 feet.



Notes: MARY ANN & Audrey ANN Greene
5.410 ACRES (01497-005)

Site Plan submitted by: Robert W Jackson (Signature) Agent (Title)

Plan Approved ✓ Not Approved ____ Date 6/20/09

By Sallie Ford EH Director - Columbia County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

Columbia County Property Appraiser - Interactive Record Search & GIS Mapping System -

New Search | Search Results | Parcel Details | GIS Map

Home
Property Search
GIS Map
Sales Report
HB 909
Amendment 1 Informa
Tax Estimator
Homestead Fraud
Agriculture Classificat
Amendment 10
Exemptions
Tangible Property Tax
Tax Rates
Report & Map Pricing
Download Forms
Important Dates
Office Directory
E-mail us Comments

Columbia County Property Appraiser

DB Last Updated: 7/22/2009

2009 Preliminary Values

Tax Record | Property Card | Interactive GIS Map | Print

Parcel: 04-1N-16-01497-005

Search Result: 1 of 1

Owner & Property Info

Owner's Name	GREENE MARY ANN & AUDREY ANN		
Site Address			
Mailing Address	(JTWRS) 546 SE EVERGREEN DRIVE LAKE CITY, FL 32025		
Use Desc. (code)	VACANT (000000)		
Neighborhood	901116.00	**Tax District**	3
UD Codes	MKTA05	**Market Area**	05
Total Land Area	5.410 ACRES		
Description	COMM AT SE COR OF SEC, RUN N 438.85 FT, N 50 DG W 965.13 FT N 62 DG W 1047.10 FT TO SE COR OF A PRCL DESC IN ORB 775-945, RUN N 21 DG E 295.38 FT, N 16 DG E 233.72 FT, N 295.85 FT FOR POB, RUN W 577.72 FT TO A PT ON THE AVG HIGH-WATER LINE OF SUWANN RIVER, RUN N'RLY ALONG RIVER, 420 FT MOL, RUN E 581.31 FT, S 409.38 FT TO POB. SWD 1105-1346		

GIS Aerial

Property & Assessment Values

Mkt Land Value	cnt: (1)	$22,896.00
Ag Land Value	cnt: (0)	$0.00
Building Value	cnt: (0)	$0.00
XFOB Value	cnt: (0)	$0.00
Total Appraised Value		$22,896.00

Just Value	$22,896.00
Class Value	$0.00
Assessed Value	$22,896.00
Exemptions	$0.00
Total Taxable Value	County: $22,896.00 | City: $22,896.00 Other: $22,896.00 | School: $22,896.00

Sales History

Sale Date	Book/Page	Inst. Type	Sale Vlmp	Sale Qual	Sale RCode	Sale Price
NONE						

Building Characteristics

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: 8/12/2009 **DATE ISSUED:** 8/18/2009

ENHANCED 9-1-1 ADDRESS:

694 NW HOPEWELL CHURCH TER
WHITE SPRINGS FL 32096

PROPERTY APPRAISER PARCEL NUMBER:

04-1N-16-01497-005

Remarks:

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.

1501

758-1019

Inst.200912014072 Date:8/21/2009 Time:11:25 AM
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1179 P:1286

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 04-1N-16-01497-005

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)*: 04-1N-16-01497-005
   a) Street *(job)* Address: _____
2. General description of improvements: New Home
3. Owner Information
   a) Name and address: Audrey Ann & Mary Ann Greene
   b) Name and address of fee simple titleholder (if other than owner) 546 SE Evergreen Drive LC FL 32024
   c) Interest in property _____
4. Contractor Information
   a) Name and address: Glenwood King Constr. Inc 1395 SW Dunn Way LC FL 32024
   b) Telephone No.: (386) 397-4708 Fax No. (Opt.) _____
5. Surety Information
   a) Name and address
   b) Amount of Bond: _____
   c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
   a) Name and address: _____
   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: _____
   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(1)(b) Florida Statutes:
   a) Name and address: _____
   b) Telephone No. _____ 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

10. Mary Ann Greene
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

MARY ANN GREENE
Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 12 day of August, 2009, by:

Mary Ann Greene 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 Lisa Lambert Notary Stamp or Seal:

—AND—

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

~~Lisa Lambert~~ Mary Ann Greene
Signature of Natural Person Signing (in line #10 above.)

LISA LAMBERT
Commission DD 713515
Expires December 11, 2011
Bonded Thru Troy Fain Insurance 800-385-7019

SECTION R310

EMERGENCY ESCAPE AND RESCUE OPENINGS

R310.1 Emergency escape and rescue required. Basements and every sleeping room shall have at least one operable emergency escape and rescue opening. Such opening shall open directly into a public street, public alley, yard or court. Where basements contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. Where emergency escape and rescue openings are provided they shall have a sill height of not more than 44 inches (1118 mm) above the floor. Where a door opening having a threshold below the adjacent ground elevation serves as an emergency escape and rescue opening and is provided with a bulkhead enclosure, the bulkhead enclosure shall comply with Section R310.3. The net clear opening dimensions required by this section shall be obtained by the normal operation of the emergency escape and rescue opening from the inside. Emergency escape and rescue openings with a finished sill height below the adjacent ground elevation shall be provided with a window well in accordance with Section R310.2. Emergency escape and rescue openings shall open directly into a public way, or to a yard or court that opens to a public way.

Exceptions:

1. Basements used only to house mechanical equipment and not exceeding total floor area of 200 square feet (18.58 m2).

2. The emergency escape and rescue opening shall be permitted to open into a screen enclosure, open to the atmosphere, where a screen door is provided leading away from the residence.

R310.1.1 Minimum opening area. All emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet (0.530 m2).

Exception: Grade floor openings shall have a minimum net clear opening of 5 square feet (0.465 m2).

R310.1.2 Minimum opening height. The minimum net clear opening height shall be 24 inches (610 mm).

R310.1.3 Minimum opening width. The minimum net clear opening width shall be 20 inches (508 mm).

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Greene Residence	Builder Name:	Glenwood King Construction
Street:	NW Fargo Terrace	Permit Office:	Columbia Co
City, State, Zip:	Lake City , FL , 32055-	Permit Number:	28051
Owner:	Grady Greene	Jurisdiction:	221000
Design Location:	FL, Gainesville		

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 (ft²)	2560

7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.55	336.00 ft²
SHGC:	SHGC=0.70	
b. U-Factor:	Dbl, U=0.55	160.00 ft²
SHGC:	SHGC=0.60	
c. U-Factor:	Tpl, U=0.55	8.00 ft²
SHGC:	SHGC=0.70	
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2560.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=19.0	1782.00 ft²
b. Frame - Wood, Adjacent	R=19.0	234.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2560.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 640 ft²

12. Cooling systems
a. Central Unit — Cap: 46.1 kBtu/hr, SEER: 14

13. Heating systems
a. Electric Heat Pump — Cap: 40.7 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.92

b. Conservation features
None

15. Credits — Pstat

Glass/Floor Area: 0.197

Total As-Built Modified Loads: 40.22
Total Baseline Loads: 48.41

PASS

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

PREPARED BY: T. A. Wellborn
DATE: 7/3/09

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

OWNER/AGENT:
DATE: 7/3/09

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:

PROJECT

Title:	Greene Residence	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Grady Greene	Conditioned Area:	2560	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Glenwood King Construction	Worst Case:	No	Street:	NW Fargo Terrace
Permit Office:	Columbia Co	Rotate Angle:	0	County:	Columbia
Jurisdiction:	221000	Cross Ventilation:		City, State, Zip:	Lake City , FL , 32055-
Family Type:	Single-family	Whole House Fan:			
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	224 ft	0	2560 ft²	0.7	0	0.3

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Metal	2863 ft²	0 ft²	Medium	0.96	No	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	2560 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	30	2560 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	NW	Exterior	Frame - Wood	19	720 ft²	0.6	0.23	0.75
____	2	NE	Exterior	Frame - Wood	19	288 ft²	0.6	0.23	0.75
____	3	SE	Exterior	Frame - Wood	19	486 ft²	0.6	0.23	0.75
____	4	SE	Garage	Frame - Wood	19	234 ft²		0.23	0.01
____	5	SW	Exterior	Frame - Wood	19	288 ft²	0.6	0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	SE	Insulated	Metal	0.28	20 ft²
_____	2	SE	Insulated	Metal	0.28	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	Overhang Separation	Int Shade	Screening
_____	1	NW	Wood	Low-E Double	Yes	0.55	0.6	N	160 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	2	NW	Wood	Low-E Double	Yes	0.55	0.7	N	192 ft²	12 ft 0 in	4 ft 0 in	HERS 2006	None
_____	3	NW	Wood	Low-E Triple	Yes	0.55	0.7	N	8 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	4	NW	Wood	Low-E Double	Yes	0.55	0.7	N	20 ft²	23 ft 0 in	0 ft 8 in	HERS 2006	None
_____	5	SE	Wood	Low-E Double	Yes	0.55	0.7	N	4 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	6	SE	Wood	Low-E Double	Yes	0.55	0.7	N	24 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	7	SE	Wood	Low-E Double	Yes	0.55	0.7	N	96 ft²	2 ft 0 in	0 ft 4 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
_____	Default	0.00036	2417	6.30	132.7	249.6	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	936 ft²	936 ft²	98 ft	9 ft	5

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	Split System	SEER: 14	35 kBtu/hr	1050 cfm	0.75	False

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	35 kBtu/hr	False

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	640 ft²	Attic	128 ft²	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

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

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: NW Fargo Terrace
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.	N/A
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.)

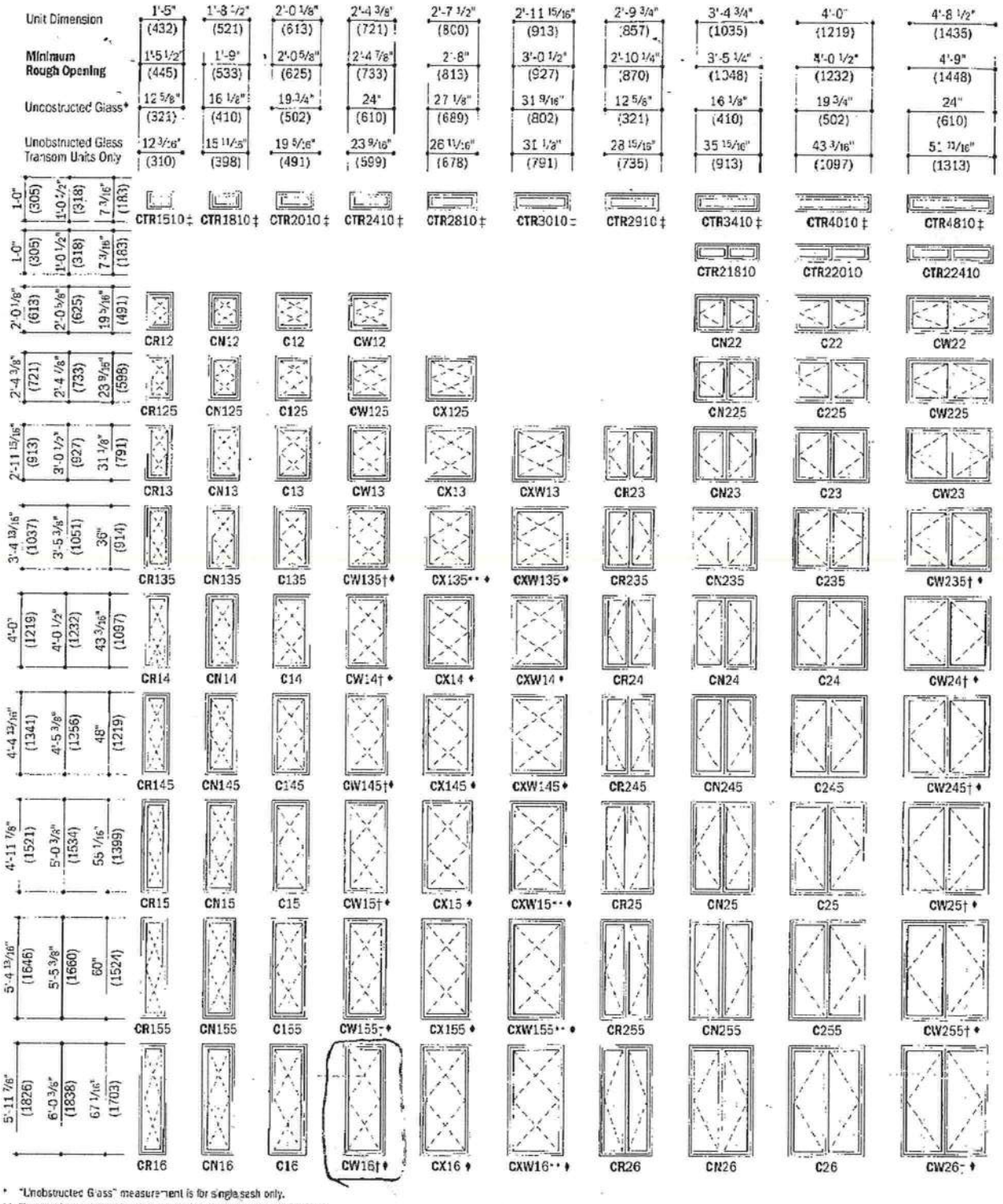
COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	N1112.AB.3	Comply with efficiency requirements in Table N112.ABC.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	✓
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools 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.	N/A
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.	✓

Glenwood King

CASEMENT & AWNING WINDOWS

758-2160

Table of Basic Casement Unit Sizes Scale 1/8" = 1'-0" (1:96)



* "Unobstructed Glass" measurement is for single sash only.

** These units have straight arm operators, see opening specifications.

† CW series units (except CW2, CW25 and CW3 height) open to 20" clear opening width using sill hinge control bracket. Bracket can be pivoted allowing for cleaning position. CW series units are also available with a 22" clear opening width.

‡ Andersen® art glass panels are available for these units by special order only. Contact your Andersen® supplier. Panels are available for all other units on this page through normal ordering process. Visit andersenwindows.com/artglass for patterns.

♦ These units meet or exceed the following dimensions: Clear Openable Area of 5.7 sq. ft., Clear Openable Width of 20" and Clear Openable Height of 24" when appropriate hardware (straight arm or split unit) is speci

- Casement transom units (CTR) may be rotated to be used as a casement or awning sidelight.
- **Rough opening dimensions may need to be increased to allow for use of building wraps, flashing, sill pan ing, brackets, fasteners or other items. See page 13 for more details.**
- "Unit Dimension" always refers to outside frame to frame dimension.
- Dimensions in parentheses are in millimeters.
- When ordering, be sure to specify color desired: White, Sandtone, Terratone® or Forest Green.

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Greene Residence	Builder Name:	Glenwood King Construction
Street:	NW Fargo Terrace	Permit Office:	Columbia Co
City, State, Zip:	Lake City , FL , 32055-	Permit Number:	
Owner:	Grady Greene	Jurisdiction:	221000
Design Location:	FL, Gainesville		

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 (ft²)	2560

7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.55	336.00 ft²
SHGC:	SHGC=0.70	
b. U-Factor:	Dbl, U=0.55	160.00 ft²
SHGC:	SHGC=0.60	
c. U-Factor:	Tpl, U=0.55	8.00 ft²
SHGC:	SHGC=0.70	
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2560.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=19.0	1782.00 ft²
b. Frame - Wood, Adjacent	R=19.0	234.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2560.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Garage Sup. R= 6, 640 ft²

12. Cooling systems
a. Central Unit — Cap: 46.1 kBtu/hr, SEER: 14

13. Heating systems
a. Electric Heat Pump — Cap: 40.7 kBtu/hr, HSPF: 7.7

14. Hot water systems
a. Electric — Cap: 40 gallons, EF: 0.92
b. Conservation features
None

15. Credits — Pstat

Glass/Floor Area: 0.197

Total As-Built Modified Loads: 40.22
Total Baseline Loads: 48.41

PASS

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

PREPARED BY: T.A. Dollen
DATE: 7/3/09

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

OWNER/AGENT: _____
DATE: 7/3/09

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: _____

PROJECT

Title:	Greene Residence	Bedrooms:	3	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Grady Greene	Conditioned Area:	2560	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Glenwood King Construction	Worst Case:	No	Street:	NW Fargo Terrace
Permit Office:	Columbia Co	Rotate Angle:	0	County:	Columbia
Jurisdiction:	221000	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	Perimeter	R-Value	Area	Tile	Wood	Carpet
____	1	Slab-On-Grade Edge Insulatio	224 ft	0	2560 ft²	0.7	0	0.3

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
____	1	Hip	Metal	2863 ft²	0 ft²	Medium	0.96	No	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
____	1	Full attic	Vented	300	2560 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
____	1	Under Attic (Vented)	30	2560 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
____	1	NW	Exterior	Frame - Wood	19	720 ft²	0.6	0.23	0.75
____	2	NE	Exterior	Frame - Wood	19	288 ft²	0.6	0.23	0.75
____	3	SE	Exterior	Frame - Wood	19	486 ft²	0.6	0.23	0.75
____	4	SE	Garage	Frame - Wood	19	234 ft²		0.23	0.01
____	5	SW	Exterior	Frame - Wood	19	288 ft²	0.6	0.23	0.75

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	SE	Insulated	Metal	0.28	20 ft²
_____	2	SE	Insulated	Metal	0.28	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	Overhang Separation	Int Shade	Screening
_____	1	NW	Wood	Low-E Double	Yes	0.55	0.6	N	160 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	2	NW	Wood	Low-E Double	Yes	0.55	0.7	N	192 ft²	12 ft 0 in	4 ft 0 in	HERS 2006	None
_____	3	NW	Wood	Low-E Triple	Yes	0.55	0.7	N	8 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	4	NW	Wood	Low-E Double	Yes	0.55	0.7	N	20 ft²	23 ft 0 in	0 ft 8 in	HERS 2006	None
_____	5	SE	Wood	Low-E Double	Yes	0.55	0.7	N	4 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	6	SE	Wood	Low-E Double	Yes	0.55	0.7	N	24 ft²	2 ft 0 in	0 ft 4 in	HERS 2006	None
_____	7	SE	Wood	Low-E Double	Yes	0.55	0.7	N	96 ft²	2 ft 0 in	0 ft 4 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
_____	Default	0.00036	2417	6.30	132.7	249.6	0 cfm	0 cfm	0	0

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	936 ft²	936 ft²	98 ft	9 ft	5

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
_____	1	Central Unit	Split System	SEER: 14	35 kBtu/hr	1050 cfm	0.75	False

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
_____	1	Electric Heat Pump	None	HSPF: 7.7	35 kBtu/hr	False

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	640 ft²	Attic	128 ft²	Default Leakage	Garage				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

Cooling	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Heating	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec
Venting	[X] Jan	[X] Feb	[X] Mar	[X] Apr	[X] May	[X] Jun	[X] Jul	[X] Aug	[X] Sep	[X] Oct	[X] Nov	[X] Dec

Thermostat Schedule: HERS 2006 Reference

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

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: NW Fargo Terrace
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.	N/A
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.	N/A
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.	✓

Grady Greene

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 85

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

fl

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		4
5. Is this a worst case?		No
6. Conditioned floor area (ft²)		2560
7. Windows **	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.56 SHGC=0.29	528.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab On-Grade Edge Insulation	R=0.0	2560.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2229.90 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2560.40 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Exterior Sup. R= 6, 1022 ft²

12. Cooling systems (combined)
a. Central Unit — Cap: 77.4 kBtu/hr SEER: 14.112403453

13. Heating systems (combined)
a. Electric Heat Pump — Cap: 78.0 kBtu/hr HSPF: 8.63

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.98
b. Conservation features
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: _____

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

*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 R2.1.1 of Appendix G of the Florida Building Code, Residential, if not default.

EnergyGauge(tm) USA - FlaRes2008

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: PERMIT #:

, fl,

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	Ceilings-Min. R-19. Common walls-frame R-11 or CBS R-3 both sides. Common ceilings & floors R-11	

DUCTS

√	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	1022 ft²	Attic	1022 ft²	Default Leakage	Exterior				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

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

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
	1	NE	Wood	None	0.2	0.1 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	Overhang Separation	Int Shade	Screening
	1	SE	Wood	Low-E Double	Yes	0.56	0.29	N	24 ft²	6 ft 0 in	1 ft 6 in	HERS 2006	None
	2	SE	Wood	Low-E Double	Yes	0.56	0.29	N	24 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	3	SE	Wood	Low-E Double	Yes	0.56	0.29	N	96 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	4	NW	Vinyl	Low-E Double	Yes	0.56	0.29	N	24 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None
	5	NW	Wood	Low-E Double	Yes	0.56	0.29	N	160 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	6	NW	Wood	Low-E Double	Yes	0.56	0.29	N	96 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None
	7	NW	Wood	Low-E Double	Yes	0.56	0.29	N	8 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	8	NW	Wood	Low-E Double	Yes	0.56	0.29	N	96 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	Forced Ventilation — Supply CFM	Forced Ventilation — Exhaust CFM	Run Time Fraction	Fan Watts
	Default	0.00036	2417	7.08	132.7	249.6	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
	1	Central Unit	None	SEER: 14.5	17.4 kBtu/hr	cfm	0.7	FALSE
	2	Central Unit	None	SEER: 14	60 kBtu/hr	cfm	0.7	FALSE

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
	1	Electric Heat Pump	None	HSPF: 8.4	18 kBtu/hr	FALSE
	2	Electric Heat Pump	None	HSPF: 8.7	60 kBtu/hr	FALSE

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
	1	Electric	0.98	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

PROJECT

Title:	Grady Green	Bedrooms:	1	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Grady Green	Conditioned Area:	2560	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Glenn I. Jones Inc.	Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	, fl ,
Family Type:	Single-family	Whole House Fan:	No		
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
	1	Slab-On-Grade Edge Insulatio	197 ft		2560.5 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
	1	Gable or Shed	Composition shingles	2663 ft²	640 ft²	Medium	0.9	N	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
	1	Full attic	Vented	300	2560 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
	1	Under Attic (Vented)	30	2560.4 ft²	0.1	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
	1	NE	Exterior	Frame - Wood	13	323.33 ft²	0	0.25	0.8
	2	SE	Exterior	Frame - Wood	13	533.3 ft²	0	0.25	0.8
	3	SW	Exterior	Frame - Wood	13	323.3 ft²	0	0.25	0.8
	4	NW	Exterior	Frame - Wood	13	790 ft²	0	0.25	0.8
	5	-	Exterior	Frame - Wood	13	260 ft²	0	0.25	0.8

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Grady Green	Builder Name:	Glenn I. Jones Inc.
Street:		Permit Office:	
City, State, Zip:	, fl ,	Permit Number:	
Owner:	Grady Green	Jurisdiction:	
Design Location:	FL, Gainesville		

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	1
5. Is this a worst case?	No
6. Conditioned floor area (ft²)	2560

7. Windows	Description	Area
a. U-Factor: SHGC:	Dbl, U=0.56 SHGC=0.29	528.00 ft²
b. U-Factor: SHGC:	N/A	ft²
c. U-Factor: SHGC:	N/A	ft²
d. U-Factor: SHGC:	N/A	ft²
e. U-Factor: SHGC:	N/A	ft²

8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2560.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2229.90 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2560.40 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts
a. Sup: Attic Ret: Attic AH: Exterior Sup. R= 6, 1022 ft²

12. Cooling systems(combined)
a. Central Unit — Cap: 77.4 kBtu/hr SEER: 14.112403453

13. Heating systems(combined)
a. Electric Heat Pump — Cap: 78.0 kBtu/hr HSPF: 8.63

14. Hot water systems
a. Electric — Cap: 40 gallons EF: 0.98
b. Conservation features None

15. Credits — Pstat

Glass/Floor Area: 0.206

Total As-Built Modified Loads: 40.28
Total Baseline Loads: 47.30

PASS

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

PREPARED BY: Ron E. Wurl
DATE: 8-7-09

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

OWNER/AGENT: _____
DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____
DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.

wrightsoft

Project Summary
AH2

Job: Green Residence
Date: Jul 02, 2009
By:

Glenn I. Jones Inc.

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386.752.5388 Fax: 386.755.3401 Email: louie@gijinc.com Web: http://glennijonesinc.com/index.php

Moisture difference 52 gr/lb

Heating Summary

Ducts	16727	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	40044	Btuh

Sensible Cooling Equipment Load Sizing

Ducts	13533	Btuh
Blower	0	Btuh

Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	42302	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1937	1937
Volume (ft³)	19367	19367
Air changes/hour	0.30	0.15
Equiv. AVF (cfm)	98	49

Latent Cooling Equipment Load Sizing

Structure	2522	Btuh
Ducts	3193	Btuh
Central vent (64 cfm)	2250	Btuh
Equipment latent load	7965	Btuh
Equipment total load	50268	Btuh
Req. total capacity at 0.70 SHR	5.0	ton

Heating Equipment Summary

Make	Carrier
Trade	Base 14 Puron HP
Model	25HBA461A30
ARI ref no	0

Efficiency	8.6 HSPF	
Heating input		
Heating output	57500	Btuh @ 47°F
Temperature rise	31	°F
Actual air flow	1719	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

Cooling Equipment Summary

Make	Carrier
Trade	Base 14 Puron HP
Cond	25HBA461A30
Coil	FV4BNB006
ARI ref no	0

Efficiency	14.5 SEER	
Sensible cooling	40250	Btuh
Latent cooling	17250	Btuh
Total cooling	57500	Btuh
Actual air flow	1917	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	0.85	

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

wrightsoft Project Summary
AH 1
Glenn I. Jones Inc.

Job: Green Residence
Date: Jul 02, 2009
By:

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: louis@gijinc.com Web: http://glennijonesinc.com/index.php

Project Information

For: Grady Green

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	8741 Btuh
Ducts	2211 Btuh
Central vent (31 cfm)	1176 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	12128 Btuh

Sensible Cooling Equipment Load Sizing

Structure	8746 Btuh
Ducts	2750 Btuh
Central vent (31 cfm)	571 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	11705 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	624	624
Volume (ft³)	6238	6238
Air changes/hour	0.37	0.19
Equiv. AVF (cfm)	39	19

Latent Cooling Equipment Load Sizing

Structure	678 Btuh
Ducts	613 Btuh
Central vent (31 cfm)	1080 Btuh
Equipment latent load	2371 Btuh
Equipment total load	14075 Btuh
Req. total capacity at 0.70 SHR	1.4 ton

Heating Equipment Summary

Make	Carrier
Trade	Base 13 Puron HP
Model	25HBA318A31
ARI ref no.	0

Efficiency	8.2 HSPF
Heating input	
Heating output	16800 Btuh @ 47°F
Temperature rise	33 °F
Actual air flow	471 cfm
Air flow factor	0.043 cfm/Btuh
Static pressure	0.50 in H2O
Space thermostat	

Cooling Equipment Summary

Make	Carrier
Trade	Base 13 Puron HP
Cond	25HBA318A31
Coil	FV4BNF002
ARI ref no.	0

Efficiency	15 SEER
Sensible cooling	12250 Btuh
Latent cooling	5250 Btuh
Total cooling	17500 Btuh
Actual air flow	583 cfm
Air flow factor	0.051 cfm/Btuh
Static pressure	0.50 in H2O
Load sensible heat ratio	0.84

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

wrightsoft

Project Summary
Entire House
Glenn I. Jones Inc.

Job: Green Residence
Date: Jul 02, 2009
By:

652 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: louis@gijinc.com Web: http://glennijonesinc.com/index.php

Project Information

For: Grady Green

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	35608 Btuh
Ducts	12938 Btuh
Central vent (95 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	48546 Btuh

Sensible Cooling Equipment Load Sizing

Structure	37633 Btuh
Ducts	16283 Btuh
Central vent (95 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	52299 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2560	2560
Volume (ft³)	25604	25604
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	137	68

Latent Cooling Equipment Load Sizing

Structure	3200 Btuh
Ducts	3806 Btuh
Central vent (95 cfm)	0 Btuh
Equipment latent load	7006 Btuh
Equipment total load	59305 Btuh
Req. total capacity at 0.70 SHR	6.2 ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
GAMA ID	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
ARI ref no.	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

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

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIRMENTS

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

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

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

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

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

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

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL			**Items to Include- Each Box shall be Circled as Applicable**		
				Yes	**No**	**N/A**
1	Two (2) complete sets of plans containing the following:			✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void			✓		
3	Condition space (Sq. Ft.)		Total (Sq. Ft.) under roof	IIIIIII	IIIIIII	IIIII

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

	GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable		
8	Plans or specifications must show compliance with FBCR Chapter 3	IIIIII	IIIII	IIIIII
		YES	NO	N/A
9	Basic wind speed (3-second gust), miles per hour	✓		
10	(Wind exposure – if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated)	✓		
11	Wind importance factor and nature of occupancy	✓		
12	The applicable internal pressure coefficient, Components and Cladding	✓		
13	The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component, cladding materials not specifally designed by the registered design professional.	✓		

Elevations Drawing including:

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

Floor Plan including:

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

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

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

FBCR 403: Foundation Plans

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

FBCR 506: CONCRETE SLAB ON GRADE

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

FBCR 320: PROTECTION AGAINST TERMITES

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

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

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

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

Floor Framing System: First and/or second story

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

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

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

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

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

FBCR ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter11 Residential buildings compliance methods. *Two of the required forms are to be submitted, showing dimensions condition area equal to the total condition living space area*

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

HVAC information

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

Plumbing Fixture layout shown

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

Private Potable Water

Existing well

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

Electrical layout shown including

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

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

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

Notice Of Commencement

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

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

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

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

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location:_____ **Project Name:**_____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project 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	Andersen	400 Series	1097.9 1097.16
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other Garage Doors	CHI overhead door	sectional Slide up	10201
B. WINDOWS			
1. Single hung			
2. Horizontal Slider			
3. Casement	Andersen	Casement window 200/400	1086.1 1086.2
4. Double Hung			
5. Fixed	Andersen	400 Fixed	1092.4
6. Awning Andersen ~~1085-R4~~		Andersen Awning window	1085-R4
7. Pass -through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11 Dual Action			
12. Other			
C. PANEL WALL			
1. Siding	Certainteed	Non-Asbestos Fiber cement Siding	3148.1
2. Soffits	Kaycan Ltd	Soffit Quad 4" Perforated	12199.5
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	SDP Inc.	underlayment Synthetic	5325.1
3. Roofing Fasteners			
4. Non-structural Metal Rf	Union Corrugating Co.	29Ga. 36" wide Thru fastened Panel	10528.1 4586.3
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 inspectic

Contractor or Contractor's Authorized Agent Signature

Glenwood King

Print Name

Glenwood King

Date

8-21-09

(FOR STAFF USE ONLY)

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 85

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

2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
6. Conditioned floor area (ft²)	2560	

7. Windows

	Description	Area
a. U-Factor:	Dbl, U=0.56	528.00 ft²
SHGC:	SHGC=0.29	
b. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
e. U-Factor:	N/A	ft²
SHGC:		

8. Floor Types

	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2560.50 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types

	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2229.60 ft²
c. N/A	R=	ft²

10. Ceiling Types

a. Under Attic (Vented)	R=30.0	2560.40 ft²

11. Ducts

a. Sup: Attic Ret: Attic AH: Exterior Sup. R=6, 1022 ft²

12. Cooling systems (combined)

13. Heating systems (combined)

a. Electric Heat Pump — Cap: 78.0 kBtu/hr, HSPF: 8.63

14. Hot water systems

a. Electric — Cap: 40 gallons, EF: 0.98

b. Conservation features

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 (321) 638-1492 or see the Energy Gauge web site

FORM 1100A-08

Code Compliance Cheklist

Residential Whole Building Performance Method A - Details

ADDRESS: , fl,	PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

DUCTS

✓	#	Supply Location	Supply R-Value	Supply Area	Return Location	Return Area	Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
____	1	Attic	6	1022 ft²	Attic	1022 ft²	Default Leakage	Exterior				

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Heating	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]
Venting	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]	[X]

Thermostat Schedule: HERS 2006 Reference

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

DOORS

√	#	Ornt	Door Type	Storms	U-Value	Area
	1	NE	Wood	None	0.2	0.1 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	Overhang Separation	Int Shade	Screening
	1	SE	Wood	Low-E Double	Yes	0.56	0.29	N	24 ft²	6 ft 0 in	1 ft 6 in	HERS 2006	None
	2	SE	Wood	Low-E Double	Yes	0.56	0.29	N	24 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	3	SE	Wood	Low-E Double	Yes	0.56	0.29	N	96 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	4	NW	Vinyl	Low-E Double	Yes	0.56	0.29	N	24 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None
	5	NW	Wood	Low-E Double	Yes	0.56	0.29	N	160 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	6	NW	Wood	Low-E Double	Yes	0.56	0.29	N	96 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None
	7	NW	Wood	Low-E Double	Yes	0.56	0.29	N	8 ft²	1 ft 6 in	1 ft 6 in	HERS 2006	None
	8	NW	Wood	Low-E Double	Yes	0.56	0.29	N	96 ft²	10 ft 0 in	1 ft 6 in	HERS 2006	None

INFILTRATION & VENTING

√	Method	SLA	CFM 50	ACH 50	ELA	EqLA	Forced Ventilation Supply CFM	Forced Ventilation Exhaust CFM	Run Time Fraction	Fan Watts
	Default	0.00036	2417	7.08	132.7	249.6	0 cfm	0 cfm	0	0

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ductless
	1	Central Unit	None	SEER: 14.5	17.4 kBtu/hr	cfm	0.7	FALSE
	2	Central Unit	None	SEER: 14	60 kBtu/hr	cfm	0.7	FALSE

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Ductless
	1	Electric Heat Pump	None	HSPF: 8.4	18 kBtu/hr	FALSE
	2	Electric Heat Pump	None	HSPF: 8.7	60 kBtu/hr	FALSE

HOT WATER SYSTEM

√	#	System Type	EF	Cap	Use	SetPnt	Conservation
	1	Electric	0.98	40 gal	40 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

PROJECT

Title:	Grady Green	Bedrooms:	1	Adress Type:	Street Address
Building Type:	FLAsBuilt	Bathrooms:	0	Lot #	
Owner:	Grady Green	Conditioned Area:	2560	SubDivision:	
# of Units:	1	Total Stories:	1	PlatBook:	
Builder Name:	Glenn I. Jones Inc.	Worst Case:	No	Street:	
Permit Office:		Rotate Angle:	0	County:	columbia
Jurisdiction:		Cross Ventilation:	No	City, State, Zip:	, fl ,
Family Type:	Single-family	Whole House Fan:	No		
New/Existing:	New (From Plans)				
Comment:					

CLIMATE

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

FLOORS

√	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
	1	Slab-On-Grade Edge Insulatio	197 ft		2560.5 ft²	0	0	1

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
	1	Gable or Shed	Composition shingles	2863 ft²	640 ft²	Medium	0.9	N	0	26.6 deg

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
	1	Full attic	Vented	300	2560 ft²	N	N

CEILING

√	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
	1	Under Attic (Vented)	30	2560.4 ft²	0.1	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
	1	NE	Exterior	Frame - Wood	13	323.33 ft²	0	0.25	0.8
	2	SE	Exterior	Frame - Wood	13	533.3 ft²	0	0.25	0.8
	3	SW	Exterior	Frame - Wood	13	323.3 ft²	0	0.25	0.8
	4	NW	Exterior	Frame - Wood	13	790 ft²	0	0.25	0.8
	5	-	Exterior	Frame - Wood	13	260 ft²	0	0.25	0.8

FORM 1100A-08

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name:	Grady Green	Builder Name:	Glenn I. Jones Inc.
Street:		Permit Office:	
City, State, Zip:	, fl ,	Permit Number:	
Owner:	Grady Green	Jurisdiction:	
Design Location:	FL, Gainesville		

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	1			
5. Is this a worst case?	No			
6. Conditioned floor area (ft²)	2560			
7. Windows	Description		Area	
a. U-Factor: SHGC:	Dbl, U=0.56 SHGC=0.29		528.00 ft²	
b. U-Factor: SHGC:	N/A		ft²	
c. U-Factor: SHGC:	N/A		ft²	
d. U-Factor: SHGC:	N/A		ft²	
e. U-Factor: SHGC:	N/A		ft²	
8. Floor Types		Insulation	Area	
a. Slab-On-Grade Edge Insulation		R=0.0	2560.50 ft²	
b. N/A		R=	ft²	
c. N/A		R=	ft²	

9. Wall Types	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	2229.90 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
d. N/A	R=	ft²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2560.40 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Exterior Sup. R= 6, 1022 ft²		
12. Cooling systems(combined)		
a. Central Unit	Cap: 77.4 kBtu/hr SEER: 14.112403453	
13. Heating systems(combined)		
a. Electric Heat Pump	Cap: 78.0 kBtu/hr HSPF: 8.63	
14. Hot water systems		
a. Electric	Cap: 40 gallons EF: 0.98	
b. Conservation features None		
15. Credits	Pstat	

Glass/Floor Area: 0.206

Total As-Built Modified Loads: 40.28

Total Baseline Loads: 47.30

PASS

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

PREPARED BY: Ron E. Wuhr

DATE: 8-7-09

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

OWNER/AGENT: _____

DATE: _____

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

GREAT SEAL OF THE STATE OF FLORIDA * IN GOD WE TRUST *

BUILDING OFFICIAL: _____

DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with N1110.A.3.

wrightsoft

Project Summary
AH2
Glenn I. Jones Inc.

Job: Green Residence
Date: Jul 02, 2009
By:

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: louis@gjiinc.com Web: http://glennijonesinc.com/index.php

Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	26867	Btuh
Ducts	10727	Btuh
Central vent (64 cfm)	2450	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	40044	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	1937	1937
Volume (ft³)	19367	19367
Air changes/hour	0.30	0.15
Equiv. AVF (cfm)	98	49

Heating Equipment Summary

Make	Carrier
Trade	Base 14 Puron HP
Model	25HBA461A30
ARI ref no.	0

Efficiency	8.6 HSPF	
Heating input		
Heating output	57500	Btuh @ 47°F
Temperature rise	31	°F
Actual air flow	1719	cfm
Air flow factor	0.046	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

Sensible Cooling Equipment Load Sizing

Structure	28887	Btuh
Ducts	13533	Btuh
Central vent (64 cfm)	1190	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	42302	Btuh

Latent Cooling Equipment Load Sizing

Structure	2522	Btuh
Ducts	3193	Btuh
Central vent (64 cfm)	2250	Btuh
Equipment latent load	7965	Btuh
Equipment total load	50268	Btuh
Req. total capacity at 0.70 SHR	5.0	ton

Cooling Equipment Summary

Make	Carrier
Trade	Base 14 Puron HP
Cond	25HBA461A30
Coil	FV4BNB006
ARI ref no.	0

Efficiency	14.5 SEER	
Sensible cooling	40250	Btuh
Latent cooling	17250	Btuh
Total cooling	57500	Btuh
Actual air flow	1917	cfm
Air flow factor	0.045	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	0.85	

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

wrightsoft **Project Summary**
AH 1
Glenn I. Jones Inc.

Job: Green Residence
Date: Jul 02, 2009
By:

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: louis@gijinc.com Web: http://glennijonesinc.com/index.php

Project Information

For: Grady Green

Notes:

Design Information

Location: Gainesville, FL, US

Outside DB	25	°F	Inside DB	72	°F
Design TD	35	°F	Design TD	17	°F
			Daily range	M	
			Relative humidity	50	%
			Moisture difference	52	gr/lb

Heating Summary

Structure	8741	Btuh
Ducts	2211	Btuh
Central vent (31 cfm)	1176	Btuh
Humidification	0	Btuh
Piping	0	Btuh
Equipment load	12128	Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	624	624
Volume (ft³)	6238	6238
Air changes/hour	0.37	0.19
Equiv. AVF (cfm)	39	19

Heating Equipment Summary

Make	Carrier
Trade	Base 13 Puron HP
Model	25HBA318A31
ARI ref no.	0

Efficiency	8.2	HSPF
Heating input		
Heating output	16800	Btuh @ 47°F
Temperature rise	33	°F
Actual air flow	471	cfm
Air flow factor	0.043	cfm/Btuh
Static pressure	0.50	in H2O
Space thermostat		

Sensible Cooling Equipment Load Sizing

Structure	8746	Btuh
Ducts	2750	Btuh
Central vent (31 cfm)	571	Btuh
Blower	0	Btuh
Use manufacturer's data	n	
Rate/swing multiplier	0.97	
Equipment sensible load	11705	Btuh

Latent Cooling Equipment Load Sizing

Structure	678	Btuh
Ducts	613	Btuh
Central vent (31 cfm)	1080	Btuh
Equipment latent load	2371	Btuh
Equipment total load	14075	Btuh
Req. total capacity at 0.70 SHR	1.4	ton

Cooling Equipment Summary

Make	Carrier
Trade	Base 13 Puron HP
Cond	25HBA318A31
Coil	FV4BNF002
ARI ref no.	0

Efficiency	15	SEER
Sensible cooling	12250	Btuh
Latent cooling	5250	Btuh
Total cooling	17500	Btuh
Actual air flow	583	cfm
Air flow factor	0.051	cfm/Btuh
Static pressure	0.50	in H2O
Load sensible heat ratio	0.84	

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wrightsoft

Project Summary
Entire House
Glenn I. Jones Inc.

Job: Green Residence
Date: Jul 02, 2009
By:

552 NW Hilton Ave., Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: loule@gljinc.com Web: http://glennijonesinc.com/index.php

Project Information

For: Grady Green

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

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

Summer Design Conditions

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

Heating Summary

Structure	35608 Btuh
Ducts	12938 Btuh
Central vent (95 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	48546 Btuh

Sensible Cooling Equipment Load Sizing

Structure	37633 Btuh
Ducts	16283 Btuh
Central vent (95 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	52299 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	0

	Heating	Cooling
Area (ft²)	2560	2560
Volume (ft³)	25604	25604
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	137	68

Latent Cooling Equipment Load Sizing

Structure	3200 Btuh
Ducts	3806 Btuh
Central vent (95 cfm)	0 Btuh
Equipment latent load	7006 Btuh
Equipment total load	59305 Btuh
Req. total capacity at 0.70 SHR	6.2 ton

Heating Equipment Summary

Make	n/a
Trade	n/a
Model	n/a
GAMA ID	n/a
Efficiency	n/a
Heating input	
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	n/a

Cooling Equipment Summary

Make	n/a
Trade	n/a
Cond	n/a
Coil	n/a
ARI ref no.	n/a
Efficiency	n/a
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	0 cfm
Air flow factor	0 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0

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

28051

Donald F. Lee & Associates, Inc.

Surveyors & Engineers

140 NW Ridgewood Avenue
Lake City, Florida 32055
(386) 755-6166
Fax (386) 755-6167
donald@dfla.com

OK
15.10.09
BLK

Wednesday, October 14, 2009

TO: Columbia County Building Department

CC: Glenwood King Construction: Grady Greene

RE: Floor Elevation Check – Parcel No. 04-1N-16-01497-005 – 5.41 acres at Suwannee River

Elevations (based on a design survey benchmark) were obtained on the finished floor (stemwall) for a foundation (Greene Residence) under construction on the above referenced property. The results are as follows:

Building Floor (at stemwall): 109.06'

SIGNED: Timothy A Delbene

Timothy A. Delbene, PLS
Florida Reg. Cert. No. 5594

DATE: 10/14/2009

SUBCONTRACTOR VERIFICATION FORM

PERMIT
~~APPLICATION~~ NUMBER 28051 CONTRACTOR GLENWOOD KING CONST PHONE _____

THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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

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

ELECTRICAL	Print Name _____ License #:	Signature _____ Phone #:
MECHANICAL/ A/C _____	Print Name _____ License #:	Signature _____ Phone #:
PLUMBING/ GAS	Print Name _____ License #:	Signature _____ Phone #:
ROOFING	Print Name MICHAEL PARNELL License #: CCC1325866	Signature Michael W Parnell Phone #: 386 590 1740
SHEET METAL	Print Name _____ License #:	Signature _____ Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name _____ License#:	Signature _____ Phone #:
SOLAR	Print Name _____ License #:	Signature _____ Phone #:

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

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

CERTIFICATE OF

OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 04-1N-16-01497-005 **Building permit No.** 000028051

Use Classification SFD,UTILITY **Fire:** 70.62

Permit Holder GLENWOOD KING **Waste:** 184.25

Owner of Building AUDREY ANN & MARY ANN GREENE **Total:** 254.87

Location: 694 NW HOPEWELL CHURCH TERR, FT WHITE, FL 32038

Date: 11/24/2010

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)

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
 Document ID:1TSJ8228Z0115110813

Truss Fabricator:	Anderson Truss Company
Job Identification:	9-129--Glenwood King Greene -- , **
Truss Count:	30
Model Code:	Florida Building Code 2007 and 2009 Supplement
Truss Criteria:	FBC2007Res/TPI-2002(STD)
Engineering Software:	Alpine Software,Version 8.07.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-05 -Closed

Notes:

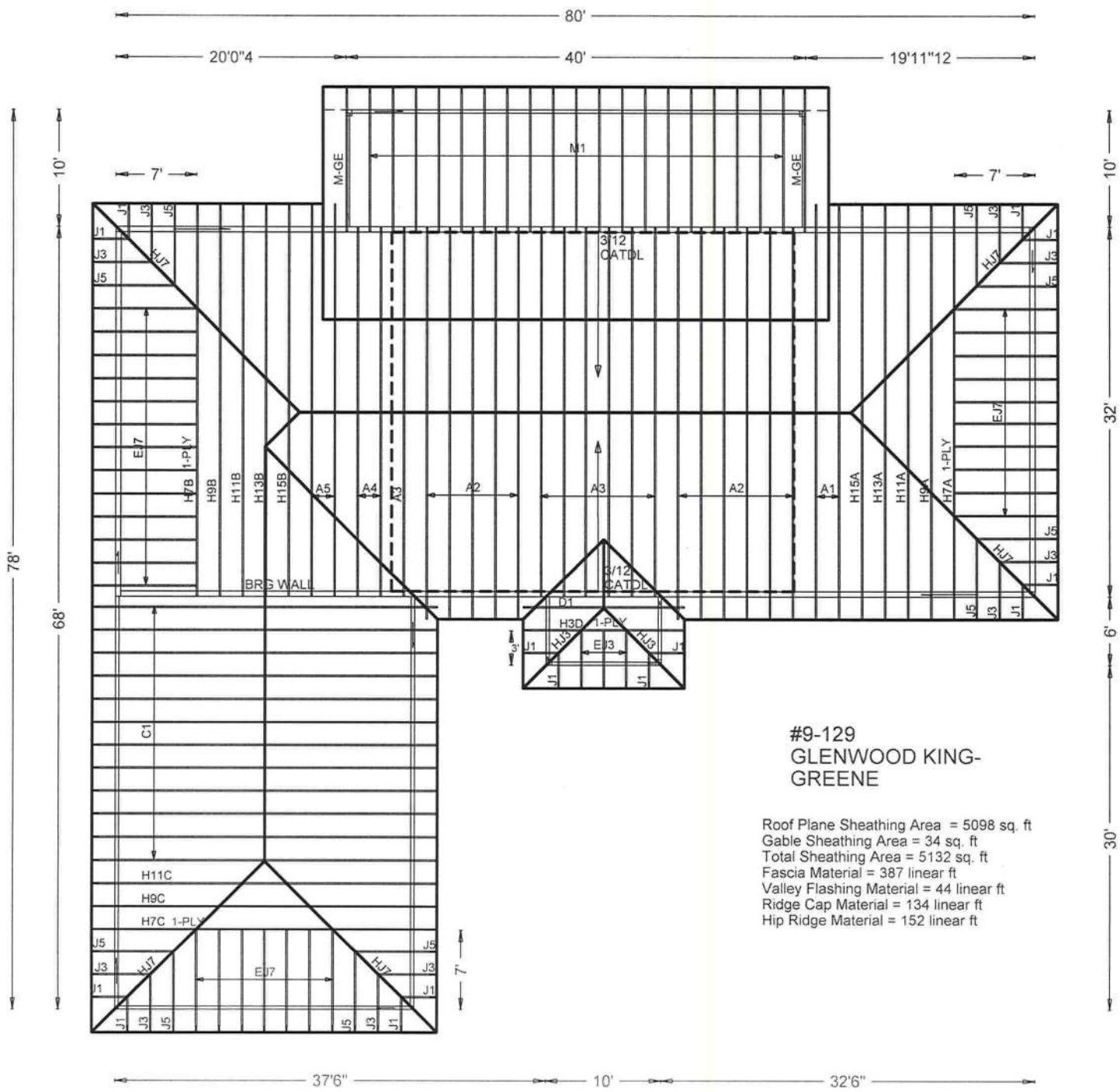
1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown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

Details: BRCLBSUB-A140GC020109-A140GS020109-

Seal Date: 06/15/2009

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

#	Ref Description	Drawing#	Date
1	42163--H7A	09166001	06/15/09
2	42164--H9A	09166002	06/15/09
3	42165--H11A	09166003	06/15/09
4	42166--H13A	09166004	06/15/09
5	42167--H15A	09166005	06/15/09
6	42168--A1	09166006	06/15/09
7	42169--A2	09166007	06/15/09
8	42170--A3	09166008	06/15/09
9	42171--A4	09166009	06/15/09
10	42172--A5	09166010	06/15/09
11	42173--H7B	09166011	06/15/09
12	42174--H9B	09166012	06/15/09
13	42175--H11B	09166013	06/15/09
14	42176--H13B	09166014	06/15/09
15	42177--H15B	09166015	06/15/09
16	42178--H7C	09166016	06/15/09
17	42179--H9C	09166017	06/15/09
18	42180--H11C	09166018	06/15/09
19	42181--C1	09166019	06/15/09
20	42182--H3D	09166020	06/15/09
21	42183--D1	09166021	06/15/09
22	42184--J1	09166022	06/15/09
23	42185--HJ7	09166023	06/15/09
24	42186--HJ3	09166024	06/15/09
25	42187--EJ3	09166025	06/15/09
26	42188--J3	09166026	06/15/09
27	42189--J5	09166027	06/15/09
28	42190--EJ7	09166028	06/15/09
29	42191--M1	09166029	06/15/09
30	42192--M-GE	09166030	06/15/09



#9-129
GLENWOOD KING-
GREENE

Roof Plane Sheathing Area = 5098 sq. ft
Gable Sheathing Area = 34 sq. ft
Total Sheathing Area = 5132 sq. ft
Fascia Material = 387 linear ft
Valley Flashing Material = 44 linear ft
Ridge Cap Material = 134 linear ft
Hip Ridge Material = 152 linear ft

JOB DESCRIPTION:: Glenwood King
/: Greene

JOB NO:
9-129

PAGE NO:
1 OF 1

(9-129--Glenwood King Greene -- , ** - H7A)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

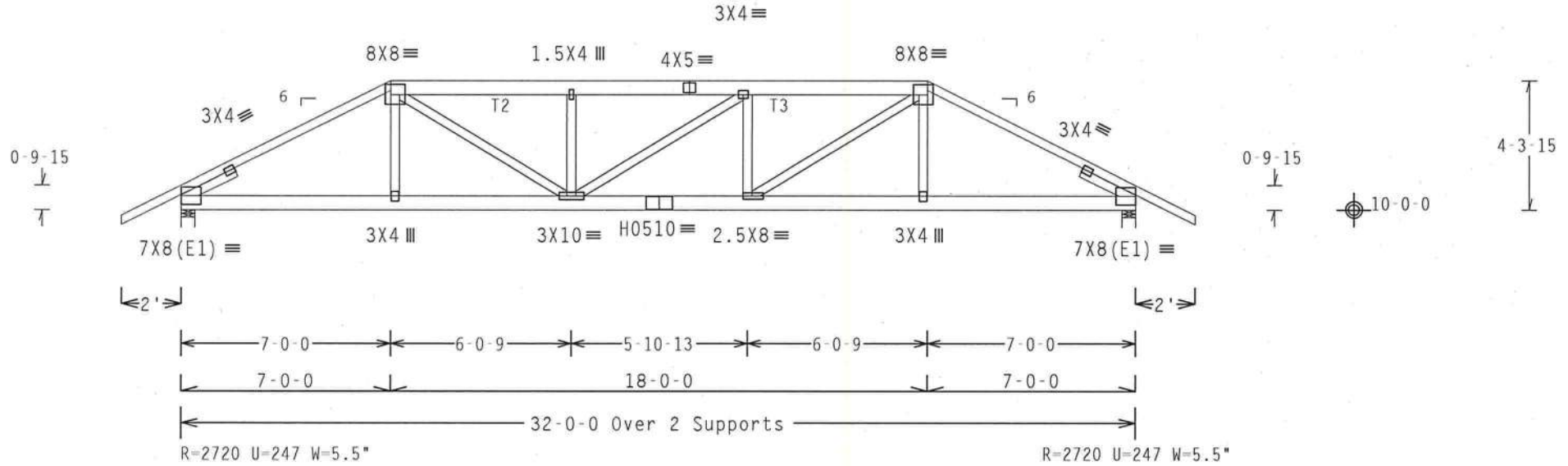
#1 hip supports 7-0-0 jacks with no webs.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 8.07.00.12i QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun

TC LL	20.0 PSF	REF R8228- 42163
TC DL	10.0 PSF	DATE 06/15/09
BC DL	10.0 PSF	DRW HCUSR8228 09166001
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN- 29652
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H9A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

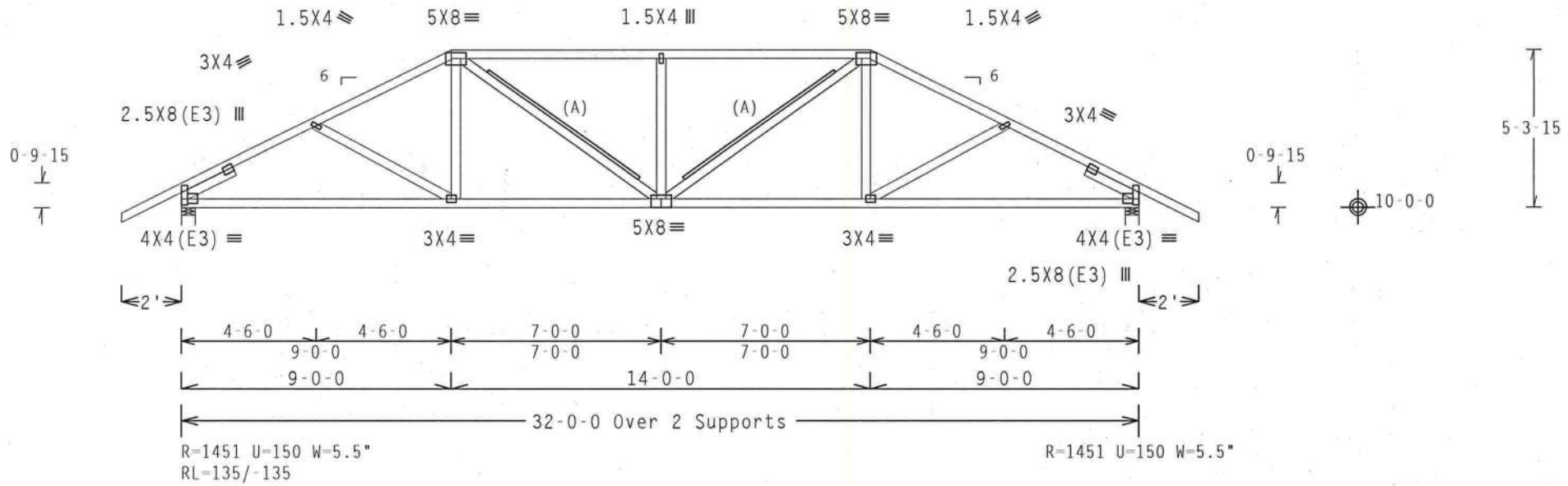
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 1x4 #3SRB SPF-S or better "T" 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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.21 14 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun

TC LL	20.0 PSF	REF	R8228- 42164
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166002
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29674
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H11A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

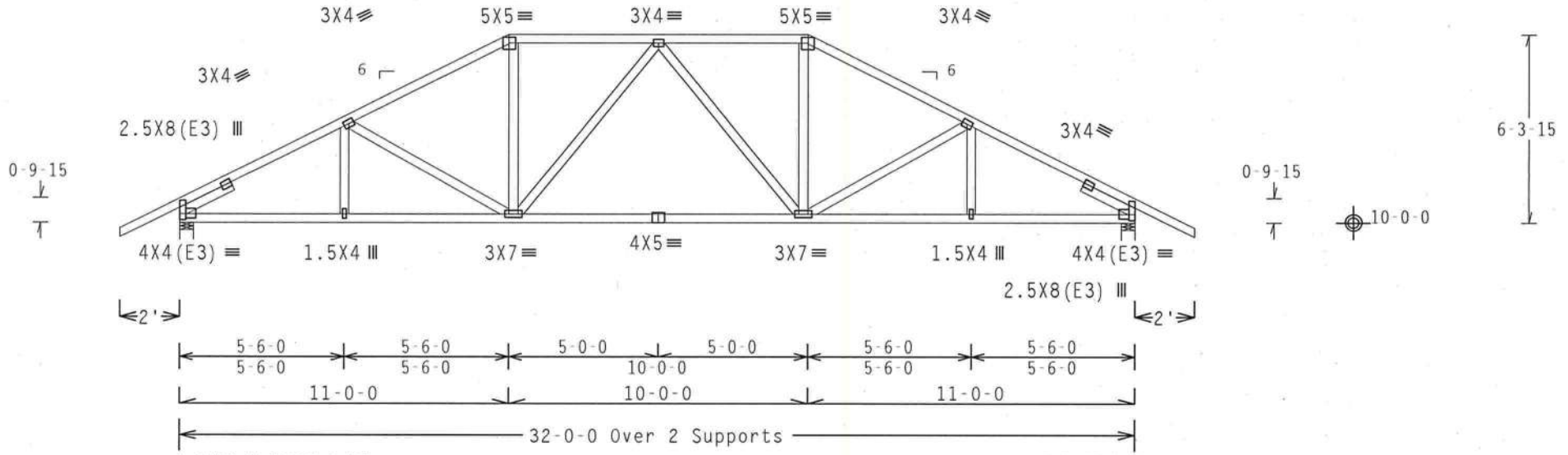
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R=1451 U=148 W=5.5"
RL=156/-156

R=1451 U=148 W=5.5"

Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 12-15-14 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun

TC LL	20.0 PSF	REF	R8228- 42165
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166003
BC LL	0.0 PSF		HC-ENG SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29682
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H13A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

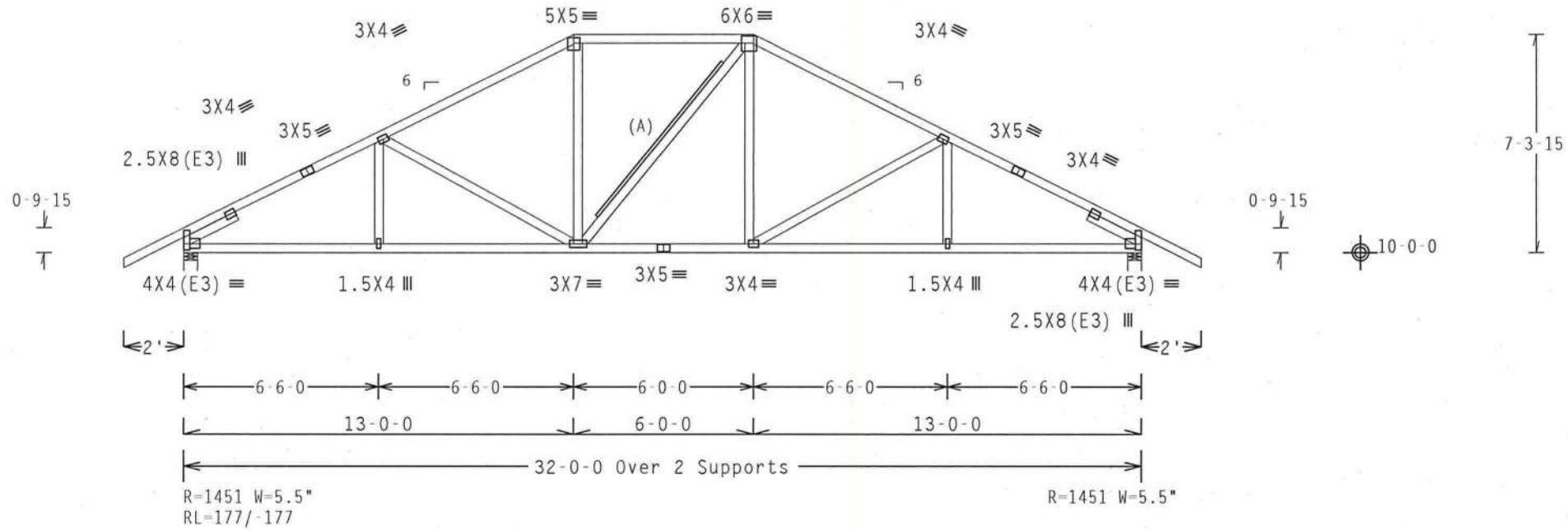
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 1x4 #3SRB SPF-S or better "T" 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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES A. EDWARDS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 09

TC LL	20.0 PSF	REF	R8228- 42166
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166004
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29692
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H15A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

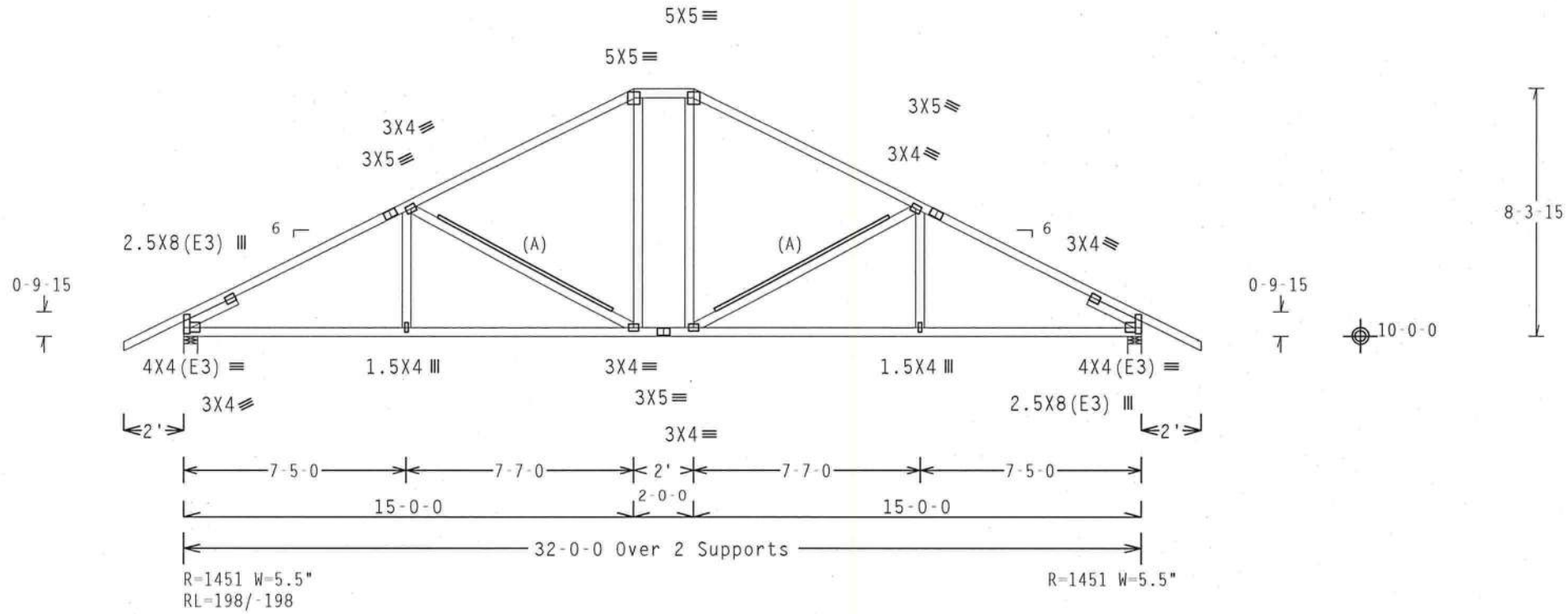
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 1x4 #3SRB SPF-S or better "T" 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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 8.07.00.21 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

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

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JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15

TC LL	20.0 PSF	REF	R8228- 42167
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166005
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29705
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - A1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

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.

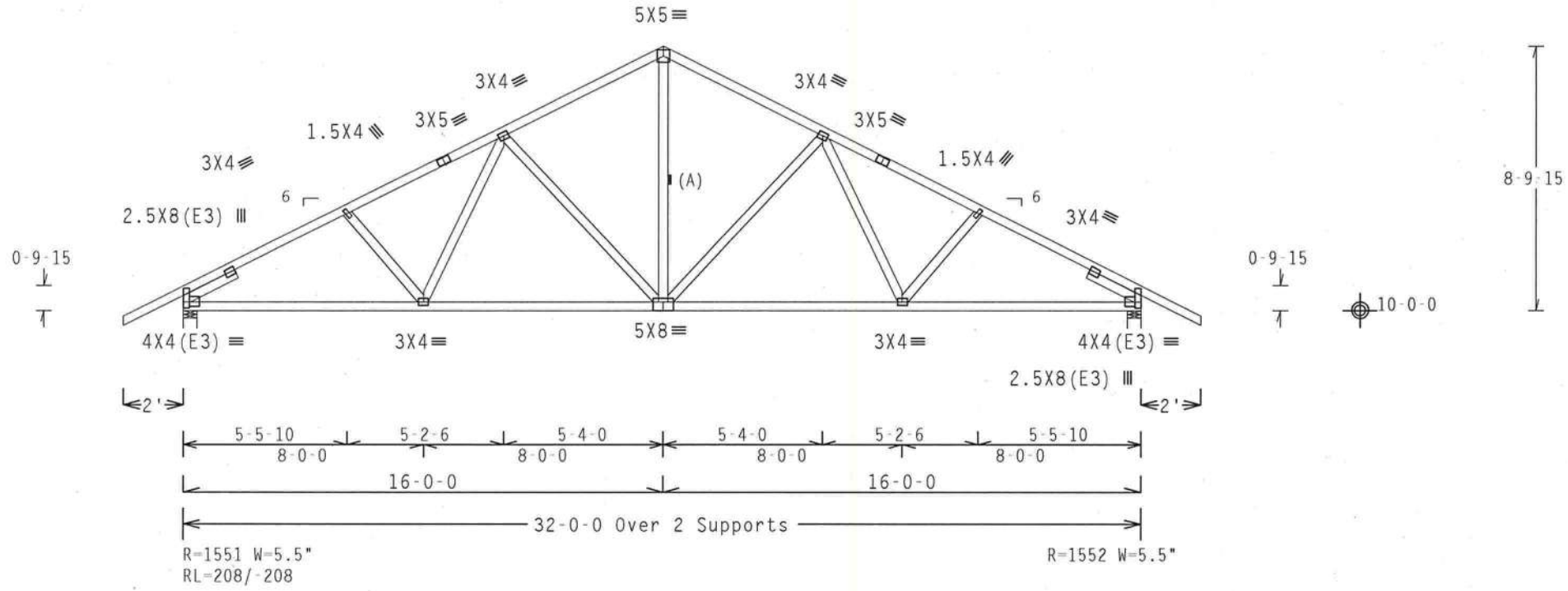
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.1218.1 QTY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jun

TC LL	20.0 PSF	REF	R8228- 42168
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166006
BC LL	0.0 PSF		HC-ENG SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29741
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - A2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.000'

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.21" due to live load and 0.22" due to dead load.

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

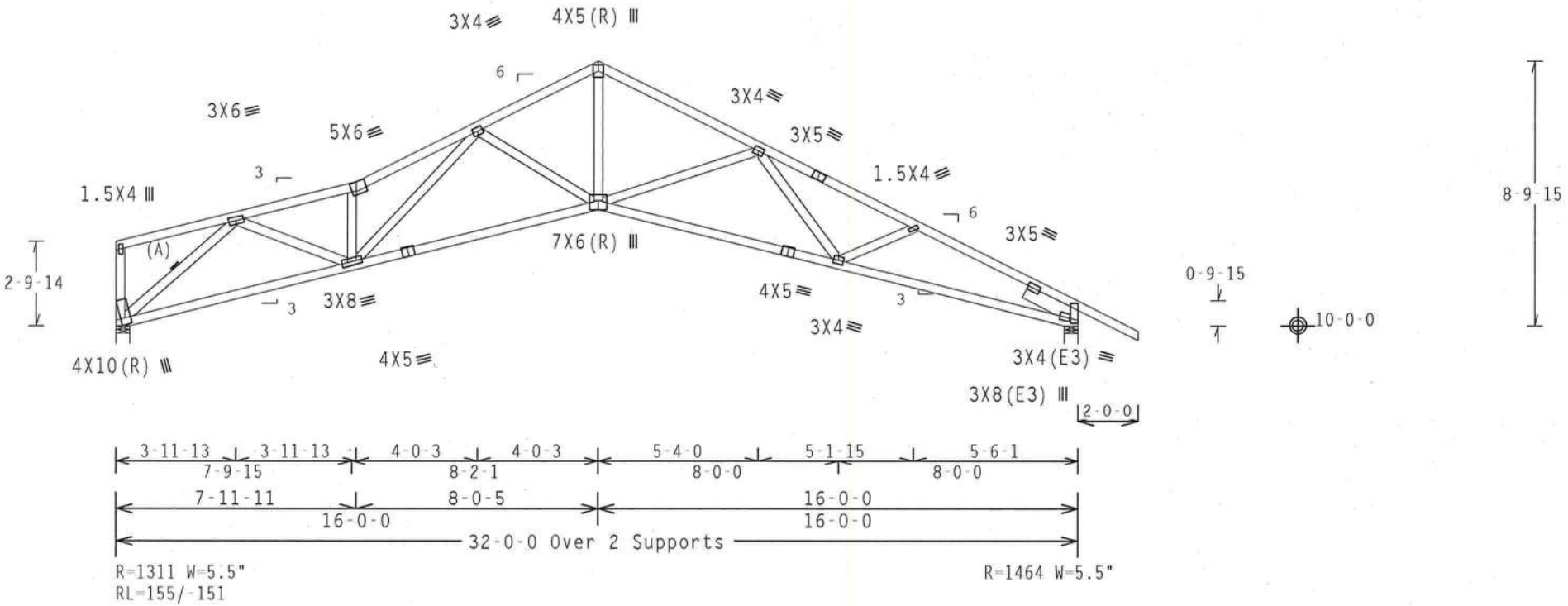
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00. QTY:11 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL C[illegible]278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 09

TC LL	20.0 PSF	REF R8228- 42169
TC DL	10.0 PSF	DATE 06/15/09
BC DL	10.0 PSF	DRW HCUSR8228 09166007
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN- 29748
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - A3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 2.000'

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

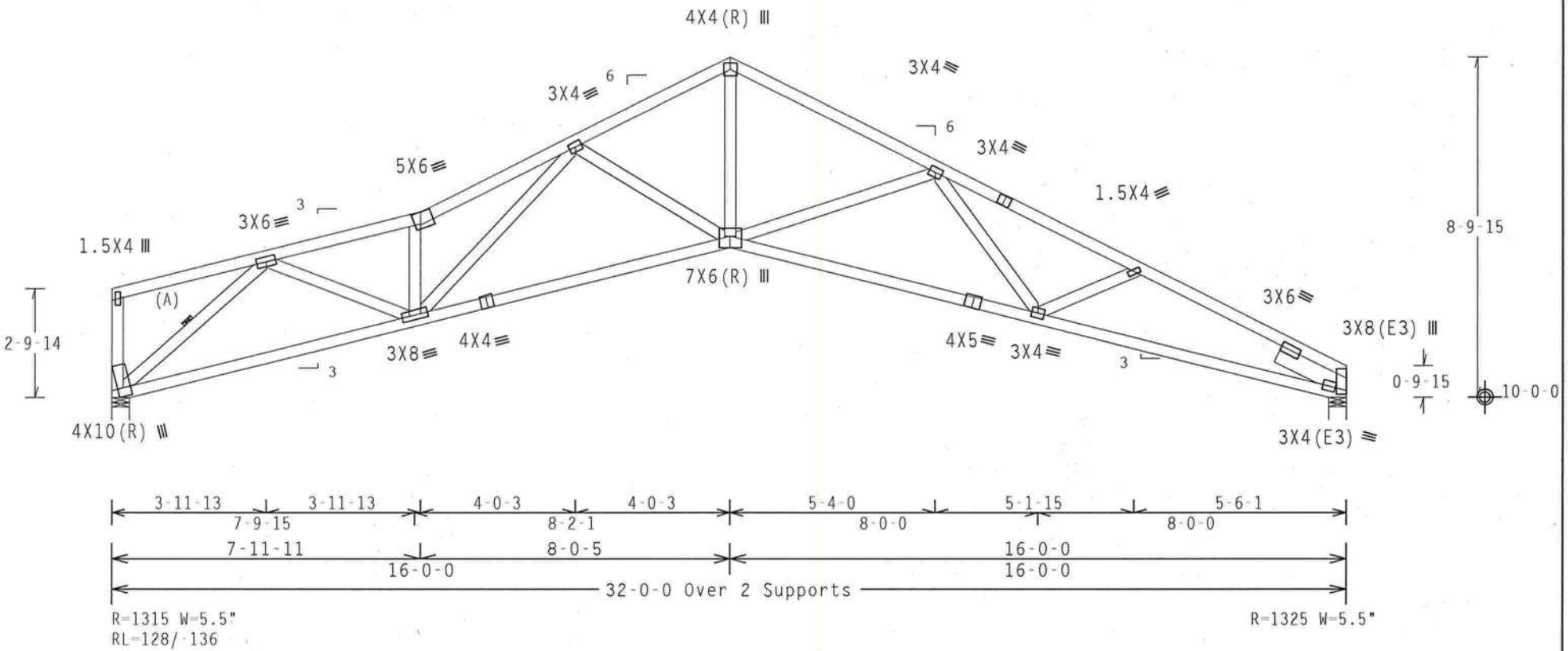
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.20" due to live load and 0.21" due to dead load.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.12 QTY:7 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 1

TC LL	20.0 PSF	REF	R8228- 42170
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166008
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29755
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - A4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Left end vertical not exposed to wind pressure.

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

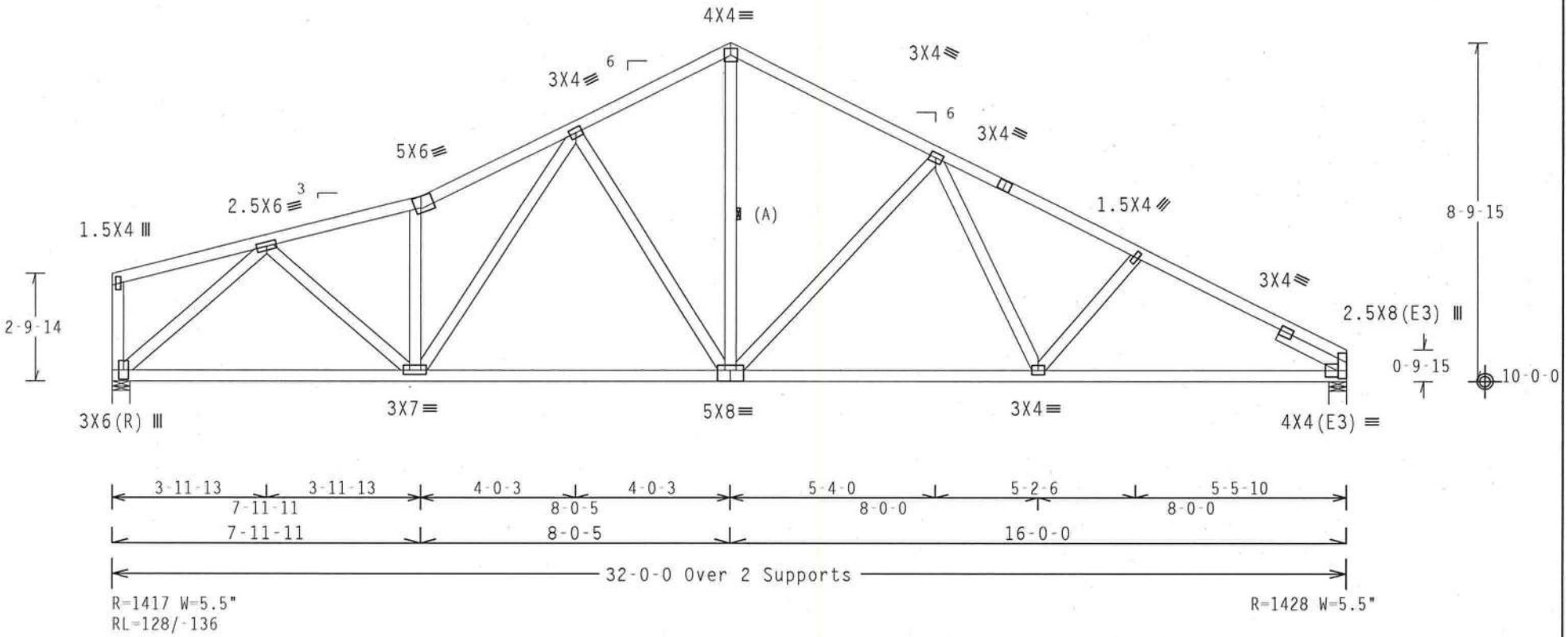
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

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

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JAMES E. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 09

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R8228- 42171
DATE	06/15/09
DRW	HCUSR8228 09166009
HC-ENG	SSB/AP *
SEQN-	29761
FROM	AH
JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - A5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

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.

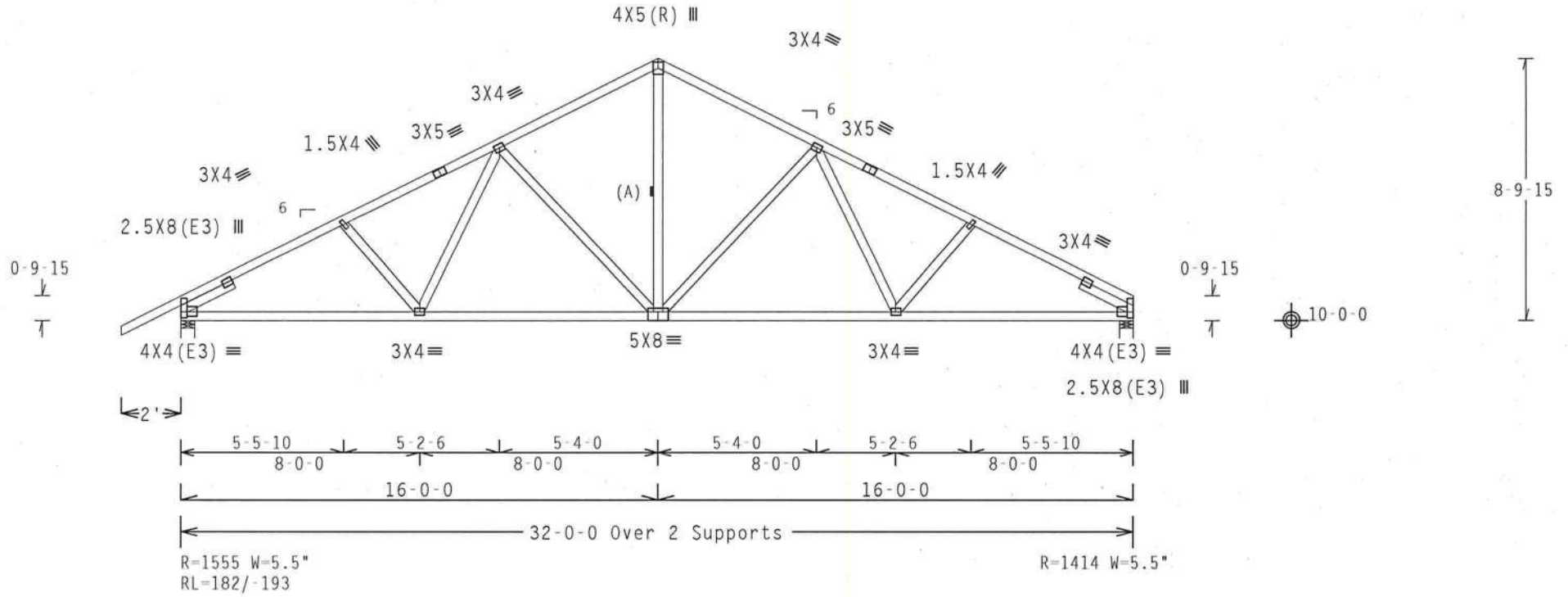
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.21 QTY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES E. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15

TC LL	20.0 PSF	REF	R8228- 42172
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166010
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29769
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228701

(9-129--Glenwood King Greene -- , ** - H7B)

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

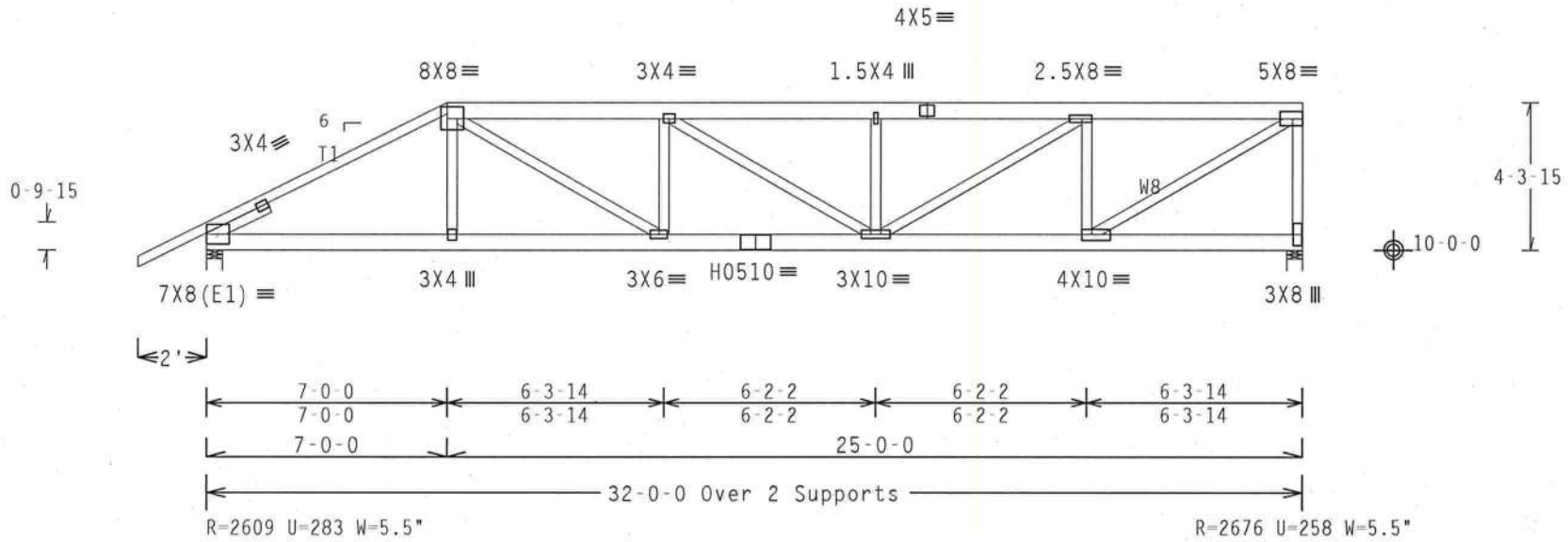
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

#1 hip supports 7-0-0 jacks with no webs.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 8.07.00. 210 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun

TC LL	20.0 PSF	REF	R8228- 42173
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166011
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29661
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228701

(9-129--Glenwood King Greene -- , ** - H9B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

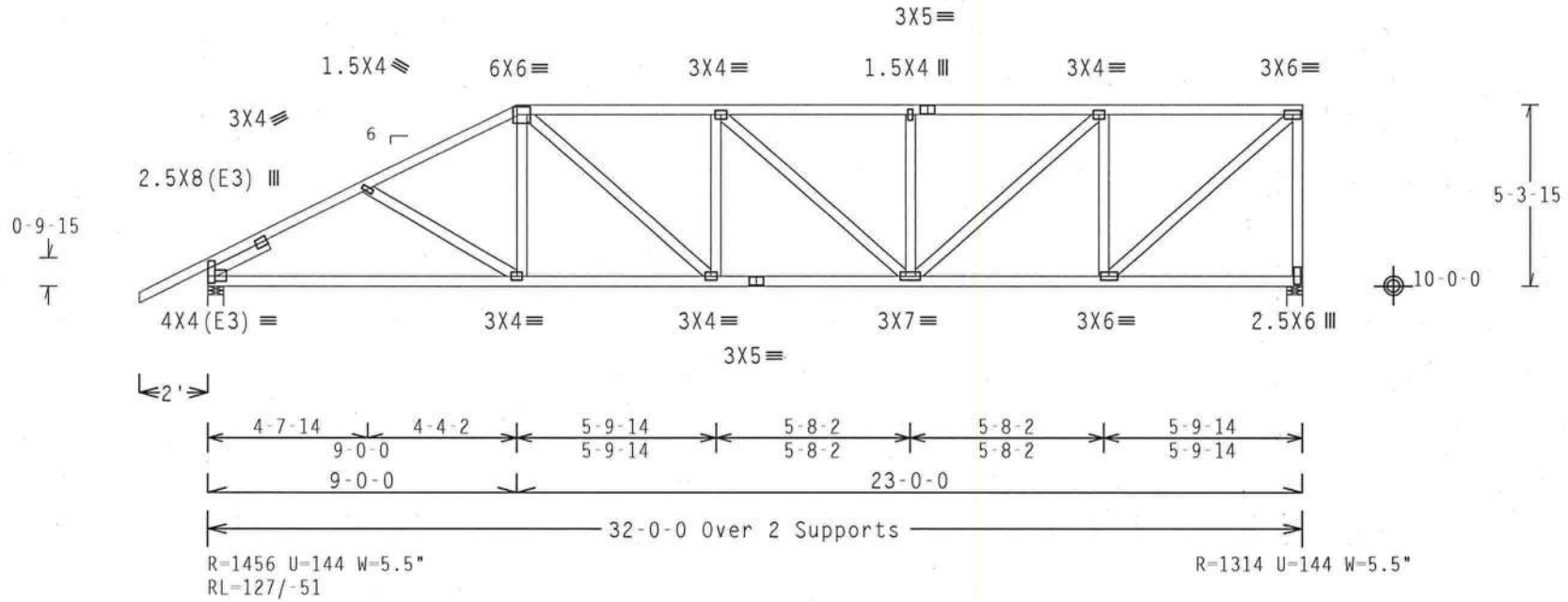
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

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JAMES F COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 1[illegible]

TC LL	20.0 PSF	REF	R8228- 42174
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166012
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29713
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H11B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

(A) 1x4 #3SRB SPF-S or better "T" 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.

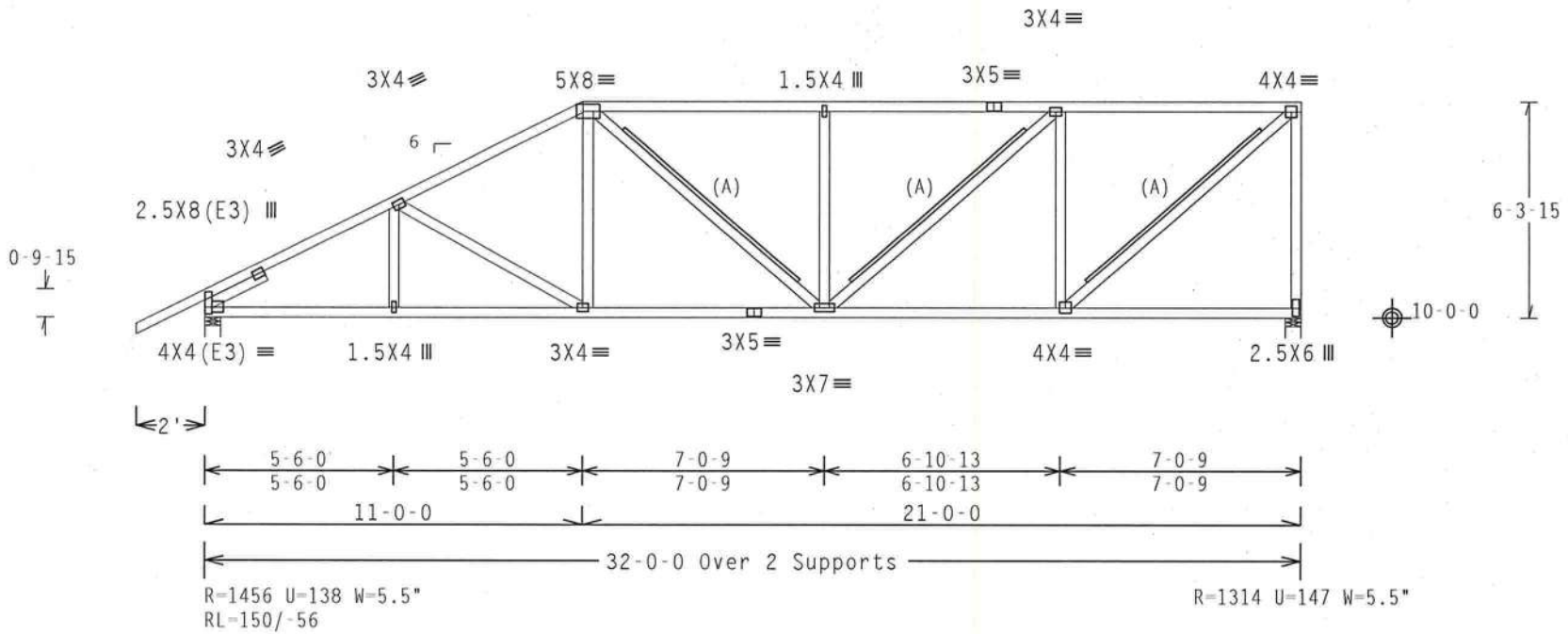
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 8.07.00.23 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 '09

TC LL	20.0 PSF	REF	R8228- 42175
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166013
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29719
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H13B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

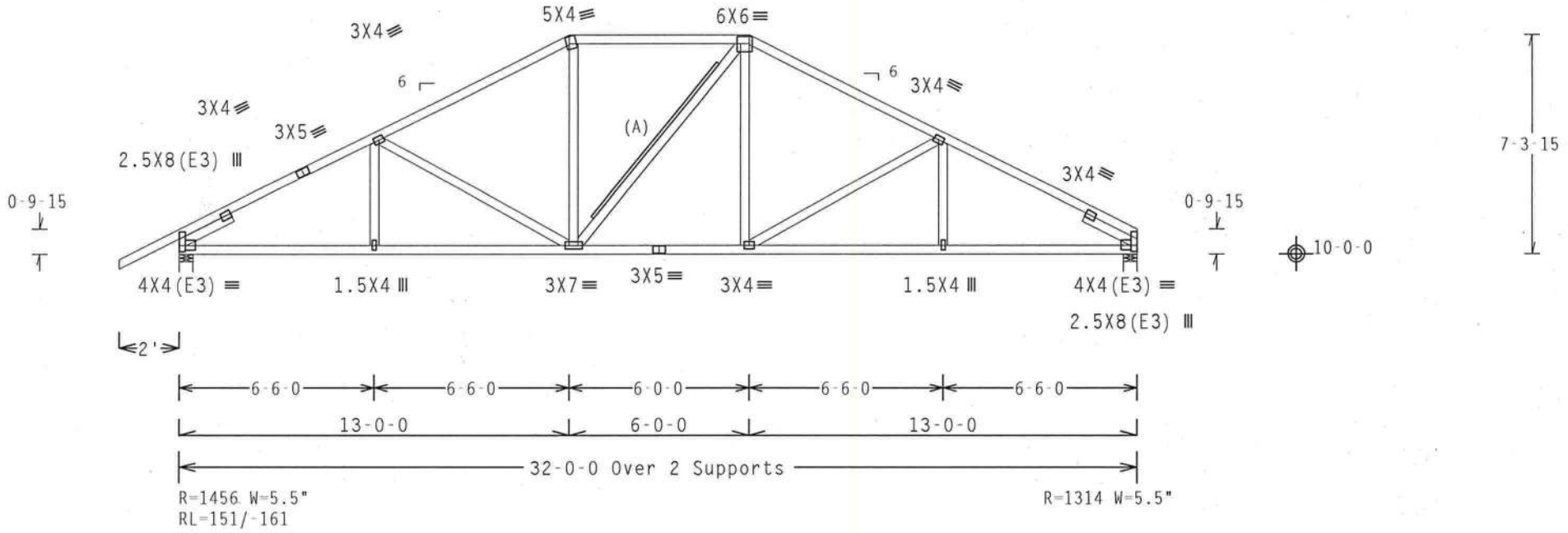
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 1x4 #3SRB SPF-S or better "T" 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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES P. GOLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 09

TC LL	20.0 PSF	REF	R8228- 42176
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166014
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29725
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H15B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

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

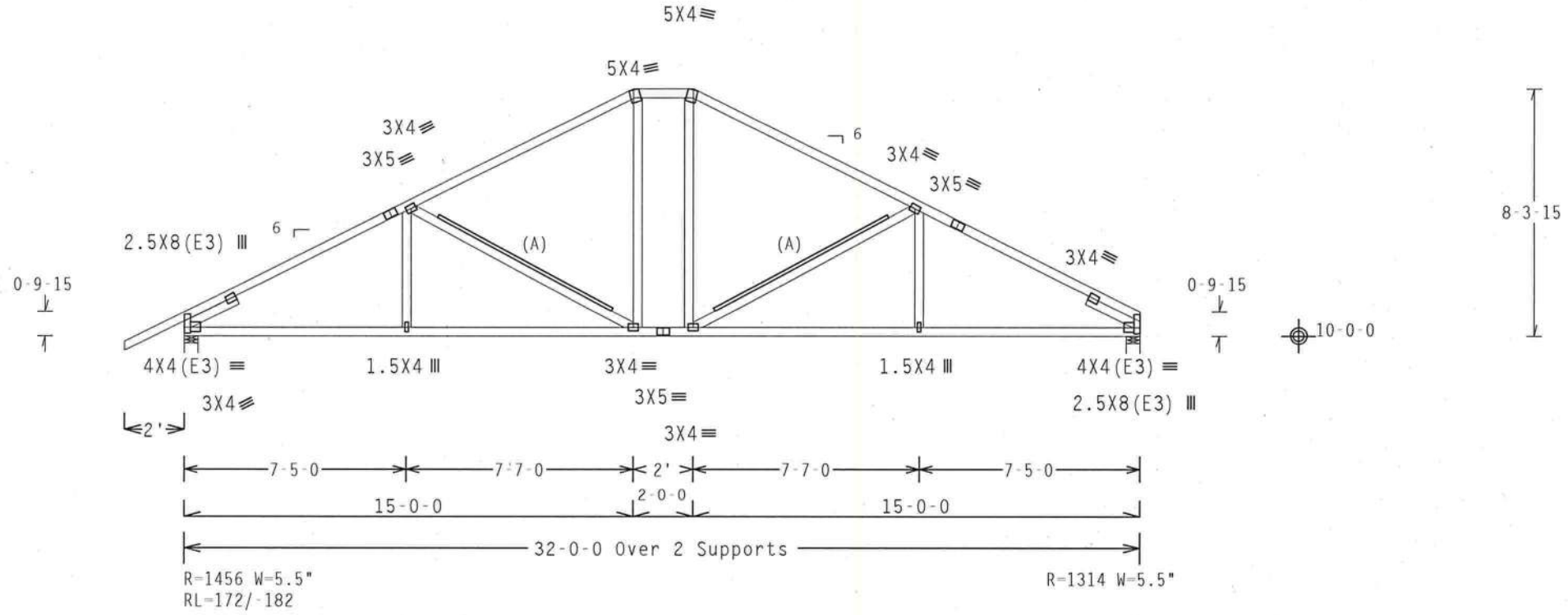
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 1x4 #3SRB SPF-S or better "T" 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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY 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/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI.1 SEC. 2.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15,2009

TC LL	20.0 PSF	REF	R8228- 42177
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166015
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29735
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H7C)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

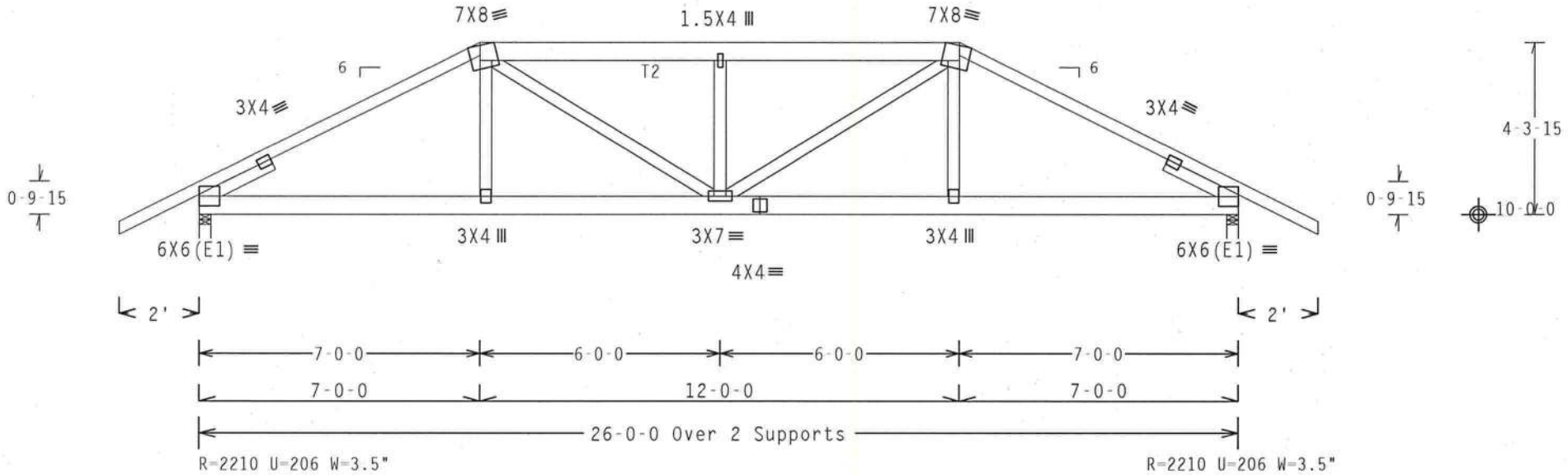
#1 hip supports 7-0-0 jacks with no webs.

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

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 [illegible] QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

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ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15,2009

TC LL	20.0 PSF	REF	R8228- 42178
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166016
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29779
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H9C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

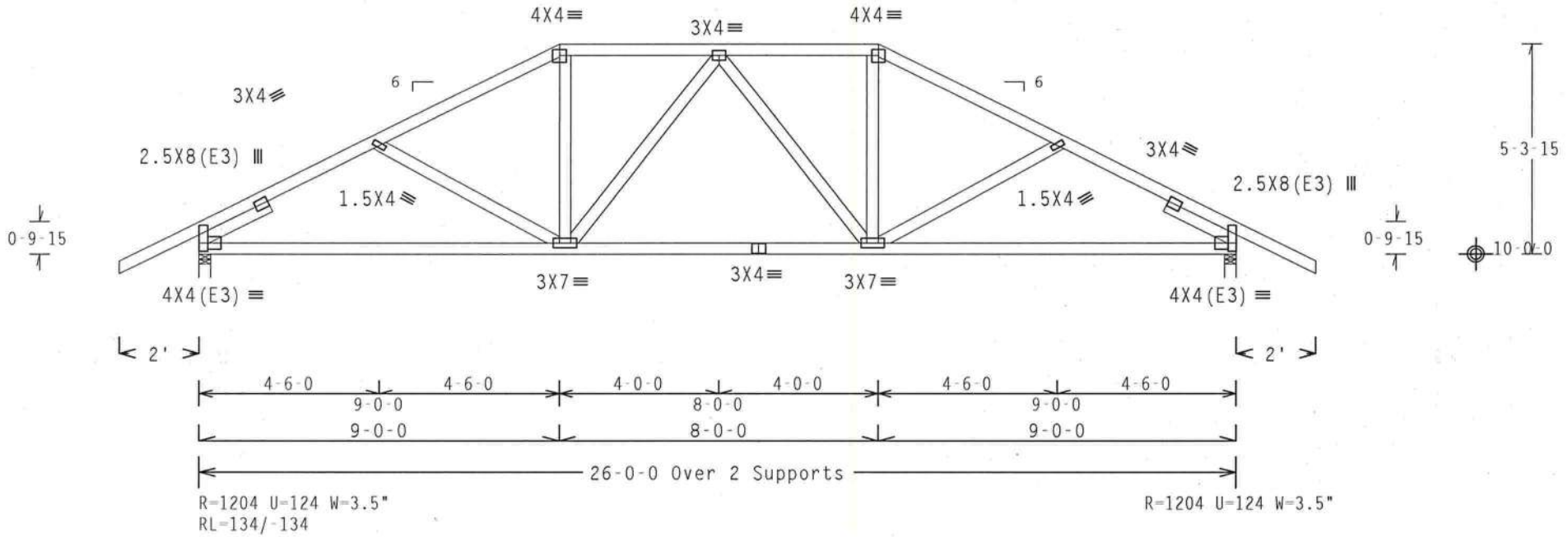
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.23 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 '09

TC LL	20.0 PSF	REF	R8228- 42179
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166017
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29786
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H11C)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

Roof overhang supports 2.00 psf soffit load.

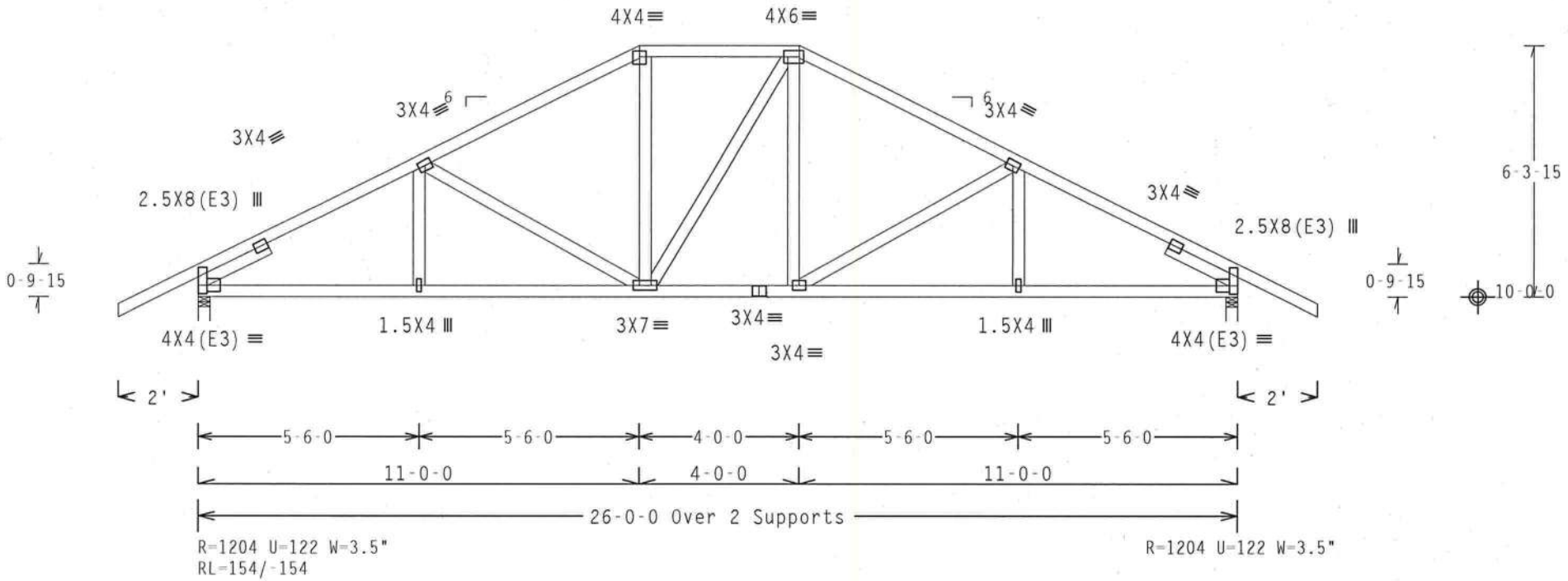
Bottom chord checked for 10.00 psf non-concurrent live load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.12.5 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun [illegible], 09

TC LL	20.0 PSF	REF	R8228- 42180
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166018
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29792
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - C1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 2.000'

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.

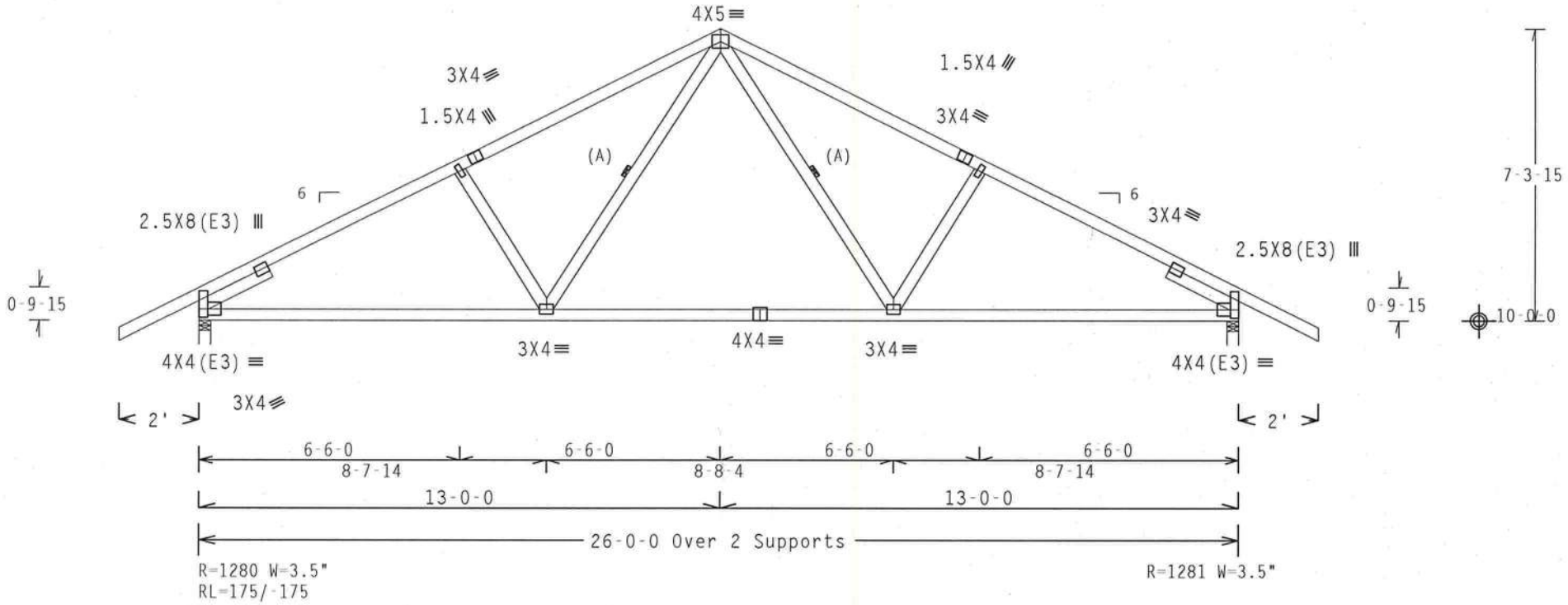
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.1 QTY:12 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 1

TC LL	20.0 PSF	REF R8228- 42181
TC DL	10.0 PSF	DATE 06/15/09
BC DL	10.0 PSF	DRW HCUSR8228 09166019
BC LL	0.0 PSF	HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN- 29803
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - H3D)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x6 SP #2::Rt Stubbed Wedge 2x6 SP #2:

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

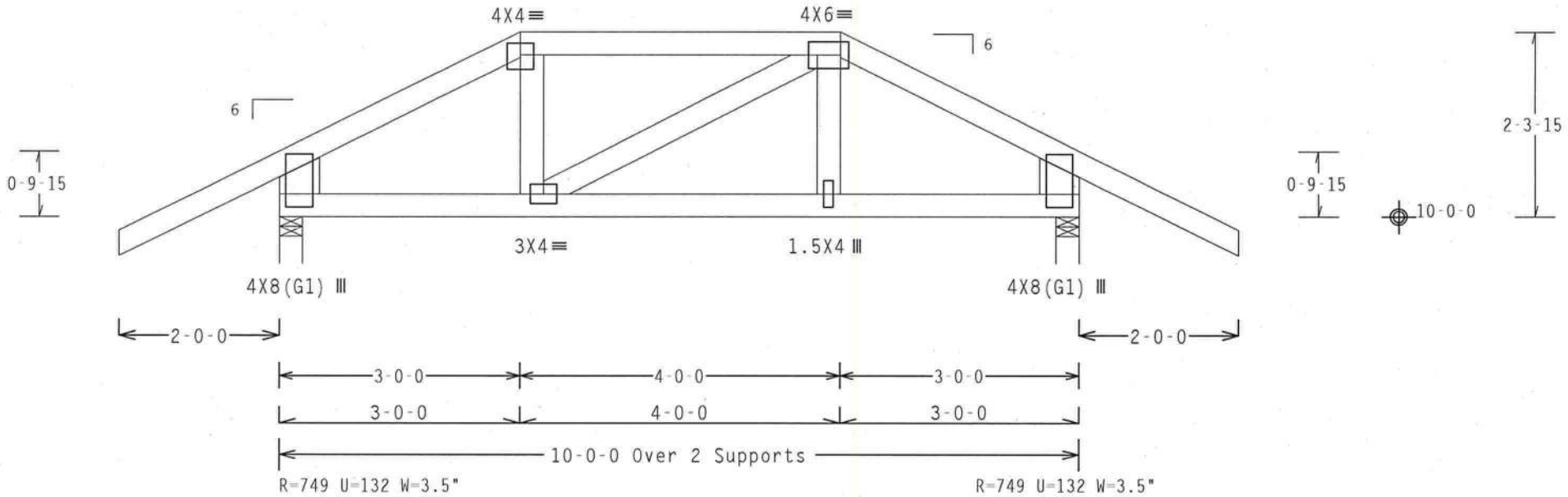
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	62 PLF	at	-2.00	to	62 PLF	at 3.00
TC	From	62 PLF	at	3.00	to	62 PLF	at 7.00
TC	From	62 PLF	at	7.00	to	62 PLF	at 12.00
BC	From	4 PLF	at	-2.00	to	4 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 10.00
BC	From	4 PLF	at	10.00	to	4 PLF	at 12.00

TC - 87 LB Conc. Load at 3.03, 6.97
TC - 57 LB Conc. Load at 5.00
BC - 61 LB Conc. Load at 3.03, 6.97
BC - 54 LB Conc. Load at 5.00

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COXIN, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 '09

TC LL	20.0 PSF	REF	R8228- 42182
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166020
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29599
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - D1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x6 SP #2::Rt Stubbed Wedge 2x6 SP #2:

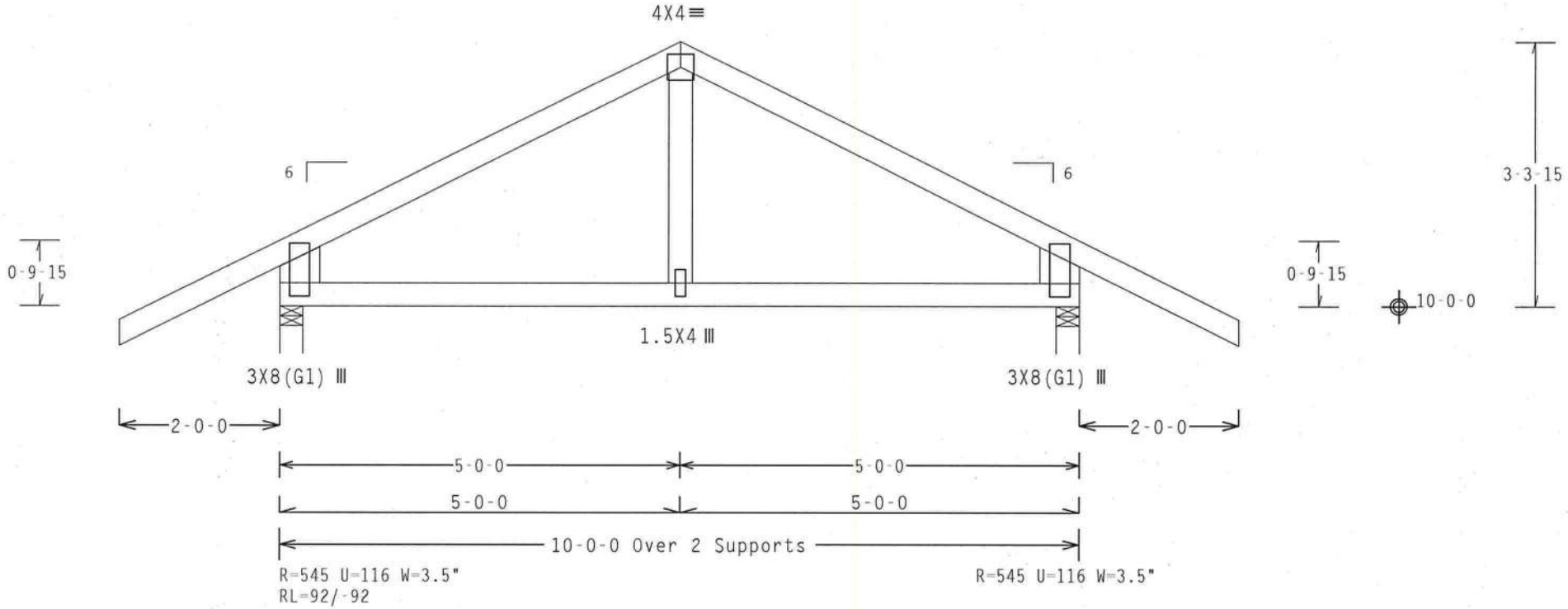
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, PART._ENC. bldg, not located within 4.50 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

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.1219 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun

TC LL	20.0 PSF	REF	R8228- 42183
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166021
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29605
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - J1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

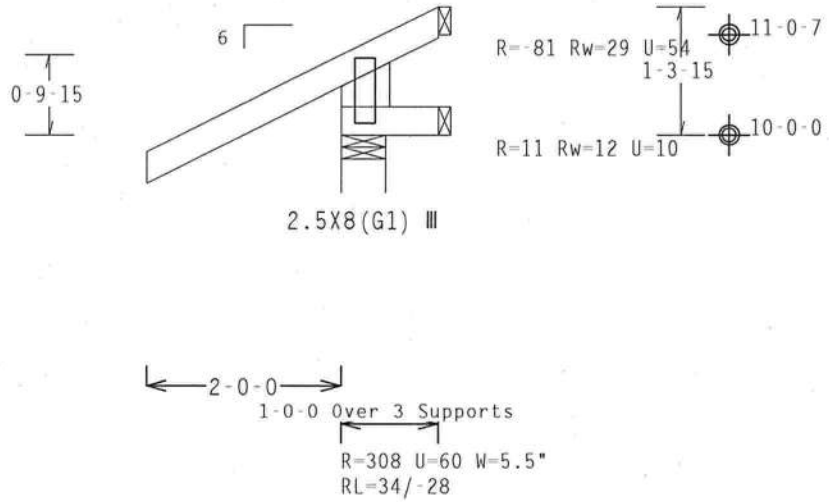
Roof overhang supports 2.00 psf soffit load.

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

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.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 QTY:14 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES R. POLLING, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 '09

TC LL	20.0 PSF	REF	R8228- 42184
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166022
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29575
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - HJ7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Stubbed Wedge 2x6 SP #2:

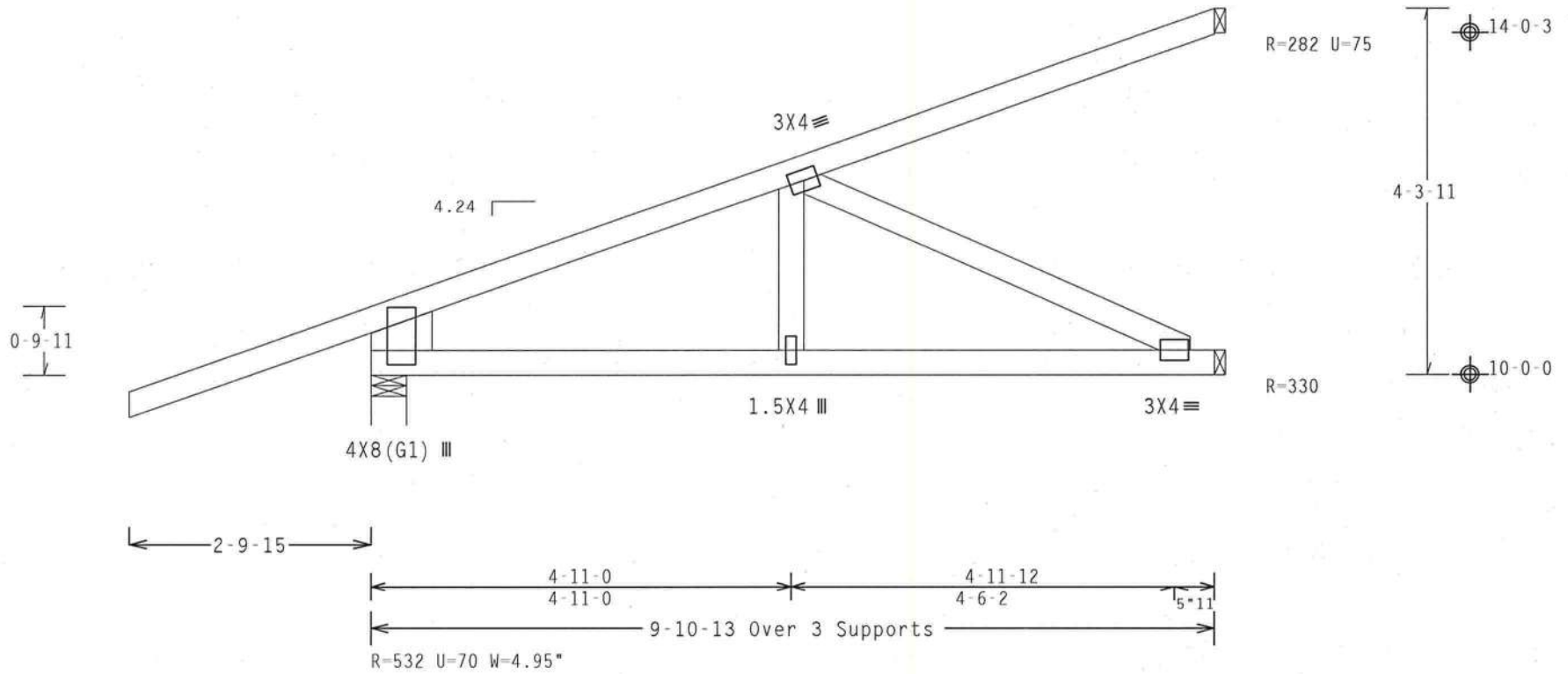
Hipjack supports 7-0-0 setback jacks with no webs.

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, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)
FT/RT=10%(0%)/0(0) 8.07.00

PLT TYP. Wave QTY:5 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES A. FOLLING JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 '09

TC LL	20.0 PSF	REF	R8228- 42185
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166023
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29634
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - HJ3)

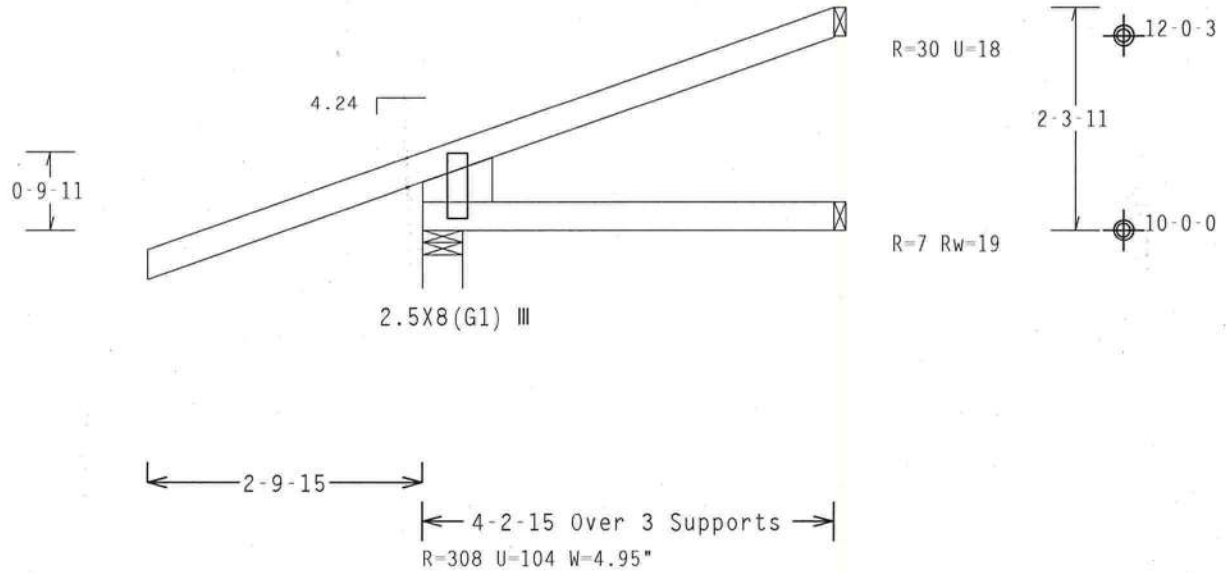
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

Hipjack supports 3-0-0 setback jacks with no webs.

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

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.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 8.07.00 IP10 | QTY:2 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15,2009

TC LL	20.0 PSF	REF	R8228- 42186
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166024
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29589
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - EJ3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

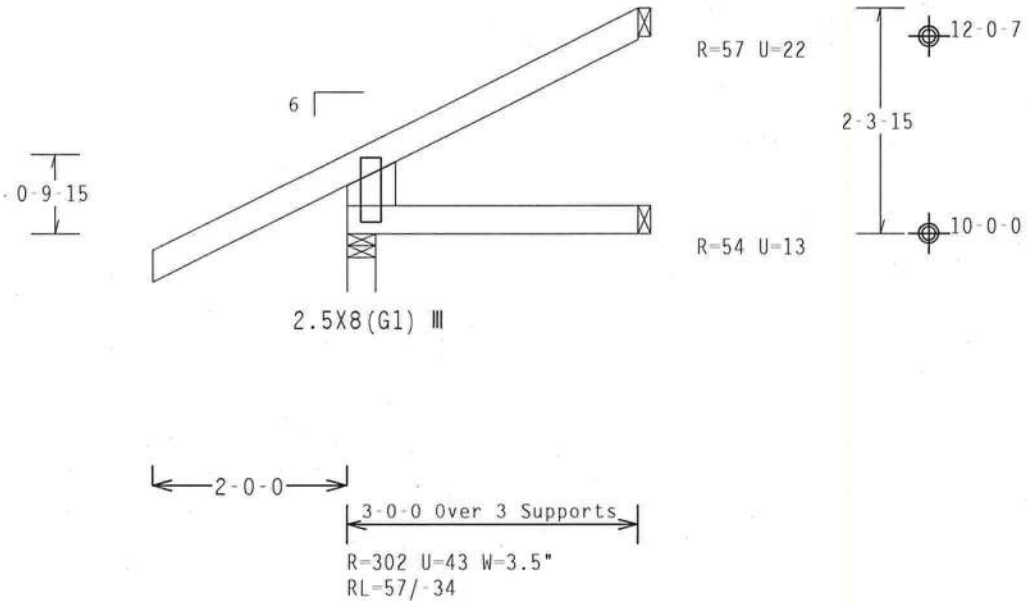
Roof overhang supports 2.00 psf soffit load.

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

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.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 Jun 2 2009 QTY:3 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. SOLKINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 42187
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166025
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29582
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - J3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

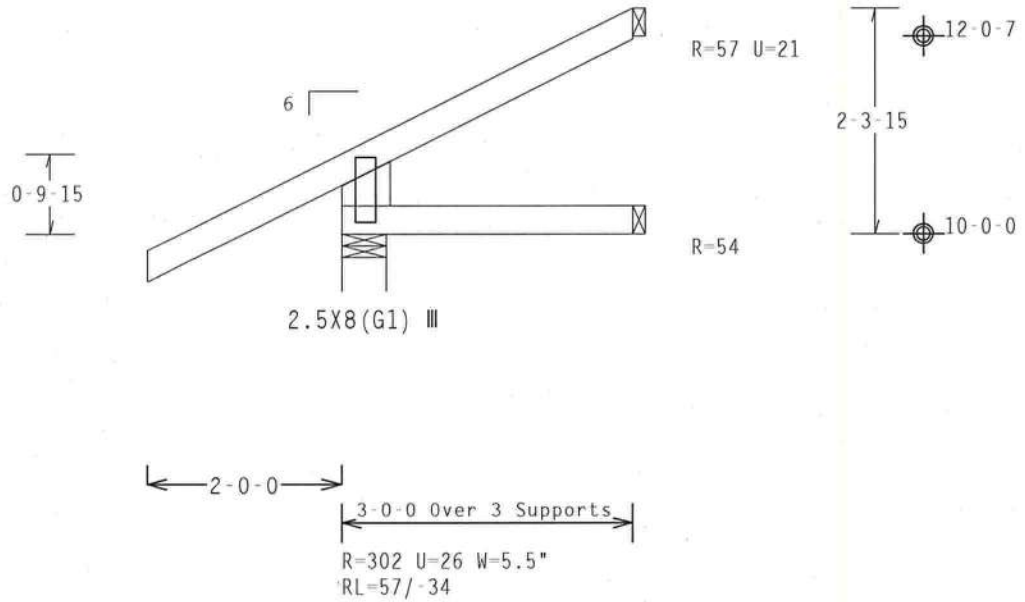
Roof overhang supports 2.00 psf soffit load.

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

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

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00. [illegible] QTY:10 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 09

TC LL	20.0 PSF	REF	R8228- 42188
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166026
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29609
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - J5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

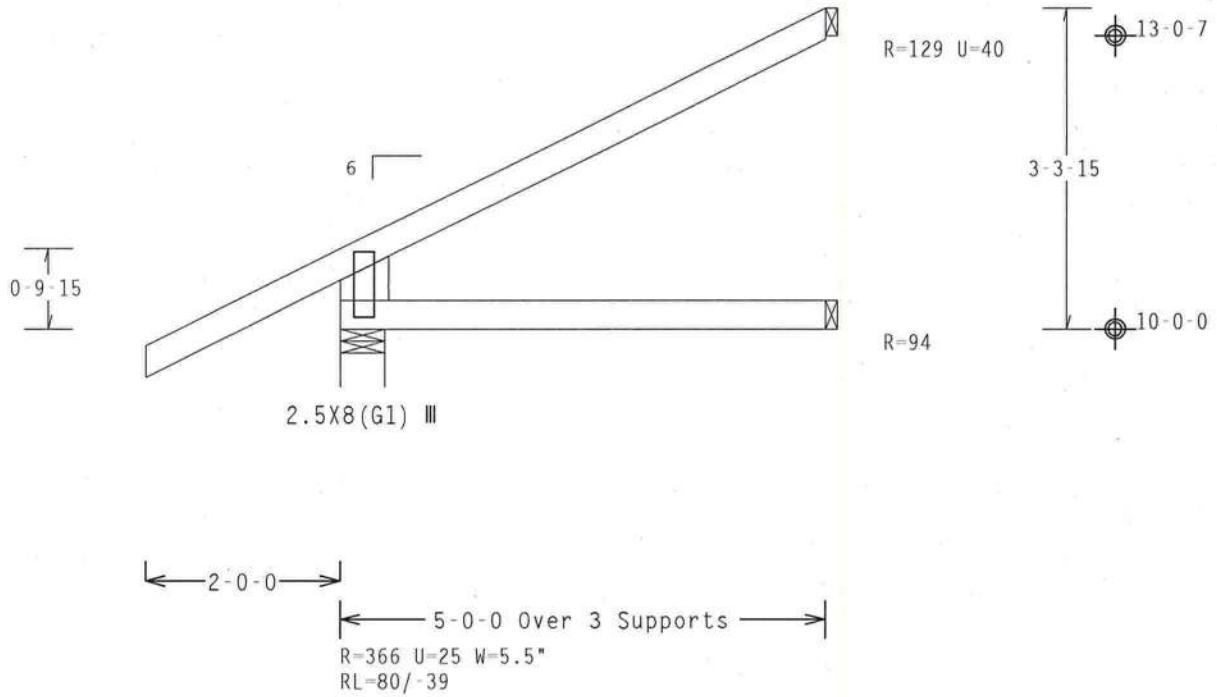
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 QTY:10 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES F. LOLLIS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 '09

TC LL	20.0 PSF	REF	R8228- 42189
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166027
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29617
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - EJ7)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
:Lt Stubbed Wedge 2x6 SP #2:

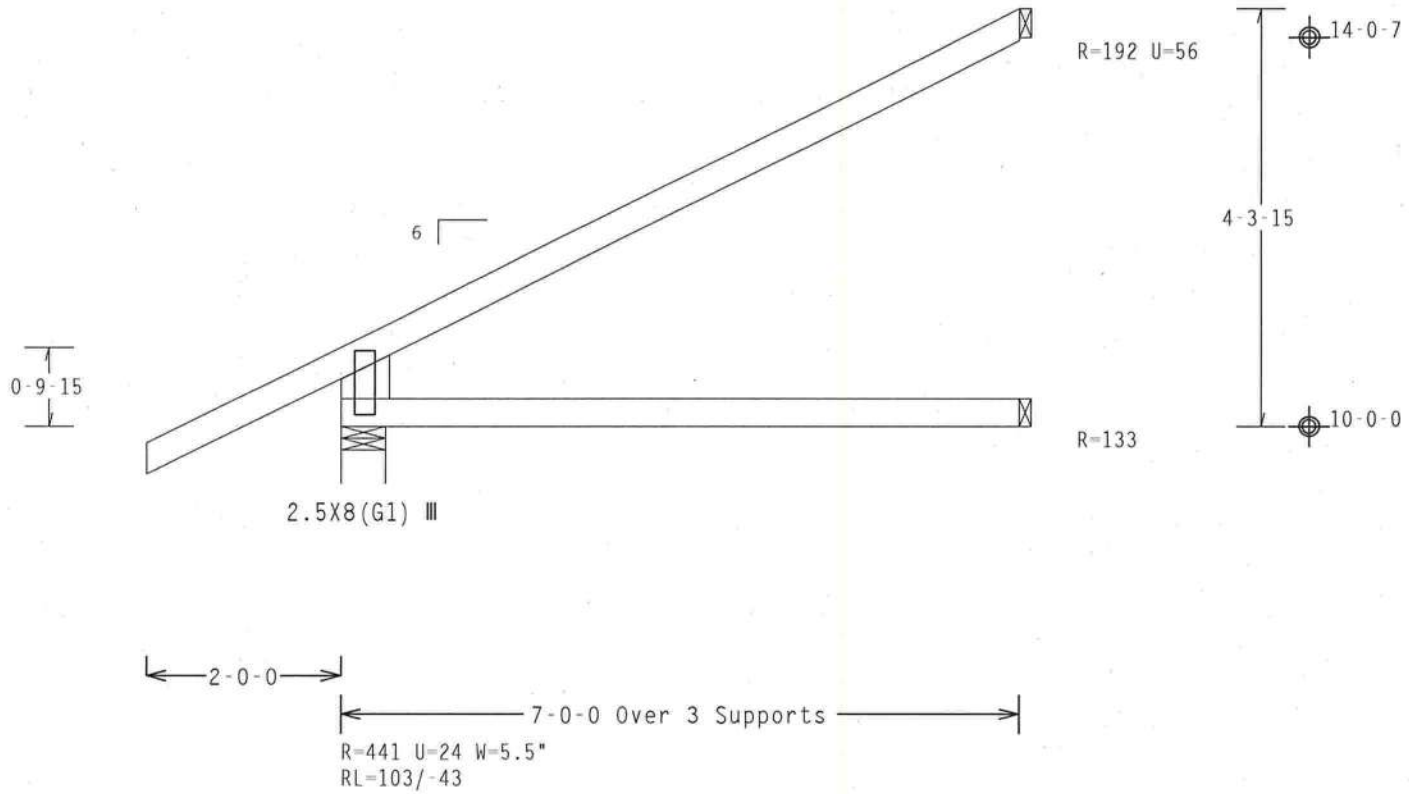
Roof overhang supports 2.00 psf soffit load.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 27 QTY:30 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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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 TPI1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI1. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

JAMES E. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun 15 09

TC LL	20.0 PSF	REF	R8228- 42190
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166028
BC LL	0.0 PSF		HC-ENG SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29622
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - M1)

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

Roof overhang supports 2.00 psf soffit load.

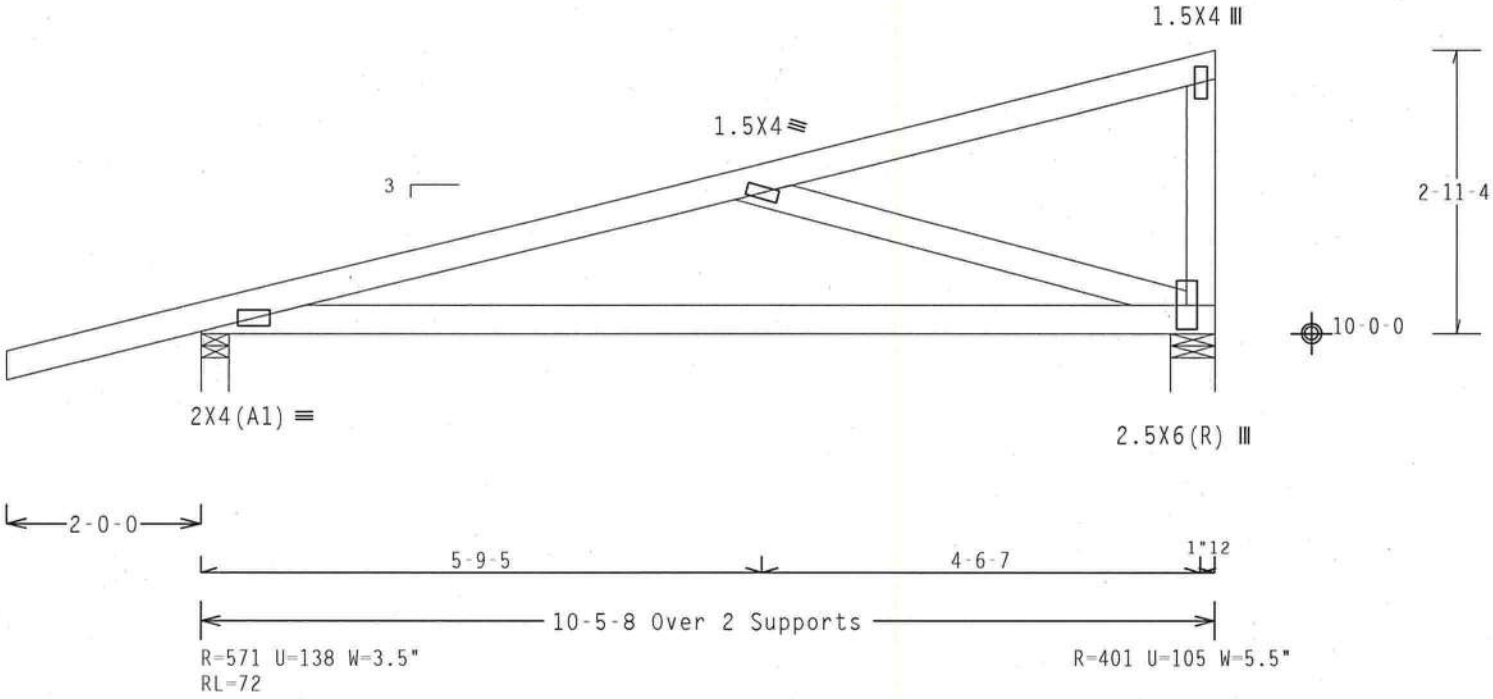
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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.

Right end vertical not exposed to wind pressure.



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00.21[illegible]4 QTY:19 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES H. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jun

TC LL	20.0 PSF	REF	R8228- 42191
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166029
BC LL	0.0 PSF	HC-ENG	SSB/AP *
TOT.LD.	40.0 PSF	SEQN-	29806
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

(9-129--Glenwood King Greene -- , ** - M-GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W2 2x4 SP #2 Dense:
:Stack Chord SC1 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

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.

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

+ MEMBER TO BE LATERALLY BRACED FOR OUT OF PLANE WIND LOADS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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.

See DWGS A140GC020109 & A140GS020109 for more requirements.

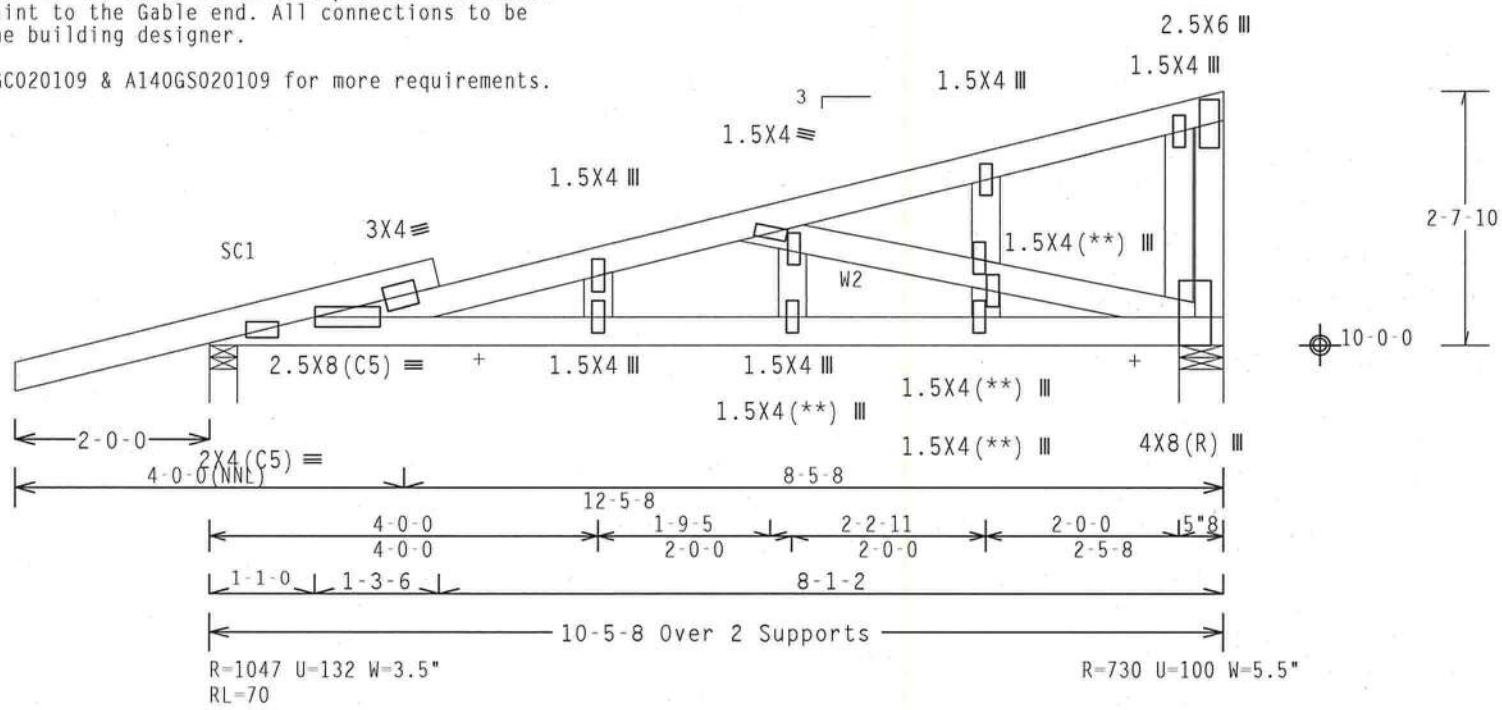
(**) 4 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



Design Crit: FBC2007Res/TPI-2002(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 8.07.00 121 1 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

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JAMES P. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jun

TC LL	20.0 PSF	REF	R8228- 42192
TC DL	10.0 PSF	DATE	06/15/09
BC DL	10.0 PSF	DRW	HCUSR8228 09166030
BC LL	0.0 PSF	HC-ENG	SSB/AP
TOT.LD.	40.0 PSF	SEQN-	29820
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TSJ8228Z01

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.

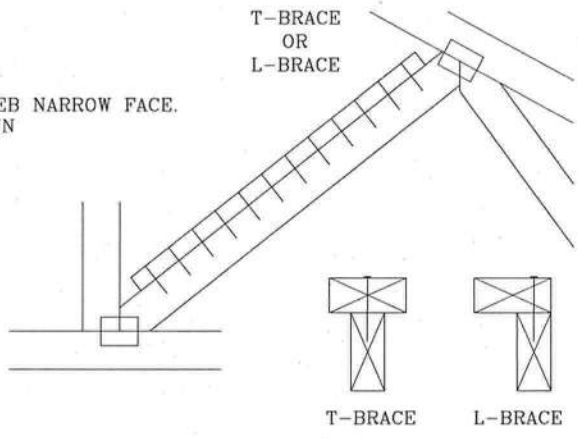
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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

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

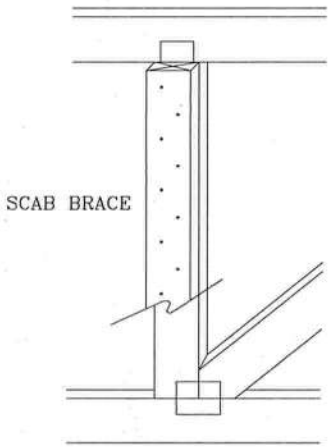
T-BRACING OR L-BRACING:

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



ITW Building Components Group Inc.

Earth City, MO 63045

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ju[illegible] '08

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		