DATE 03/27/2013

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000030876

APPLICANT ISAAC NICKELSON PHONE 386.965.0985

ADDRESS 198 SW HYDRAULIC WAY LAKE CITY FL 32024

OWNER ISAAC NICKELSON PHONE 386.965.0985

ADDRESS 306 SW SILVER PALM DRIVE LAKE CITY FL 32024

CONTRACTOR ISAAC NICKELSON PHONE 386965.0985

LOCATION OF PROPERTY 90-W TO C-252,TL TO PRESERVE @ LAUREL LAKE S.D.,TR & FOLLOW ALL THE WAY TO STOP SIGN,TR & SITE IS ON L.(SW SILVER PALM)

TYPE DEVELOPMENT SFD/UTILITY ESTIMATED COST OF CONSTRUCTION 123250.00

HEATED FLOOR AREA 1770.00 TOTAL AREA 2465.00 HEIGHT 23.00 STORIES 1

FOUNDATION CONC WALLS FRAMED ROOF PITCH 8'12 FLOOR CONC

LAND USE & ZONING PRD MAX. HEIGHT 35

Minimum Set Back Requirments: STREET-FRONT 25.00 REAR 15.00 SIDE 10.00

NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO.

PARCEL ID 03-4S-16-02731-069 SUBDIVISION PRESERVE @ LAUREL LK

LOT 69 BLOCK PHASE UNIT 1 TOTAL ACRES 0.27

000001999		CBC1258773		
Culvert Permit No.	Culvert Waiver	Contractor's License Number		Applicant/Owner/Contractor
WAIVER	X-13-018	BLK	TC	N
Driveway Connection	Septic Tank Number	LU & Zoning checked by	Approved for Issuance	New Resident

COMMENTS: ELEVATION CONFIRMATION LETTER REQUIRED @ SLAB. MFE 118.10'

Check # or Cash 1714

FOR BUILDING & ZONING DEPARTMENT ONLY

Temporary Power _____ date/app. by

Foundation _____ date/app. by

Monolithic _____ date/app. by (footer/Slab)

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 $ 620.00 CERTIFICATION FEE $ 12.33 SURCHARGE FEE $ 12.33

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** 719.66

INSPECTORS OFFICE 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.

NOTICE: ALL OTHER APPLICABLE STATE OR FEDERAL PERMITS SHALL BE OBTAINED BEFORE COMMENCEMENT OF THIS PERMITTED DEVELOPMENT.

"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 # 1303-30 Date Received 3-12-13 By LH Permit # 1979/30876

Zoning Official BLK Date 25 MARCH 2013 Flood Zone X Land Use Res Low Den Zoning PRD T 3S R 16S

FEMA Map # N/A Elevation N/A MFE 118.1' per plat River N/A Plans Examiner J.C. Date 3-19-13

Comments Elevation Confirmation Letter Required at Slab.

NOC EH Deed or PA Site Plan State Road Info Well letter 911 Sheet Parent Parcel #

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

IMPACT FEES: EMS Fire Corr Sub VF Form

Road/Code School = TOTAL (Suspended) Ellisville Water App Fee Paid

Septic Permit No. X-13-018 In box Fax

Name Authorized Person Signing Permit Isaac Nickelson Phone 386-965-0985

Address 198 SW Hydraulic Way Lake City, FL 32024

Owners Name Isaac Nickelson / Premier Building Phone 386-965-0985

911 Address 306 SW Silver Palm Dr Lake City FL 32024

Contractors Name Isaac Nickelson Phone 386-965-0985

Address 198 SW Hydraulic way Lake City, FL

Fee Simple Owner Name & Address Isaac Nickelson 198 SW Hydraulic Way Lake City FL 32024

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address Nicholas Paul Geisler 1758 NW Brown Rd. Lake City, FL 32055

Mortgage Lenders Name & Address N/A

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

Property ID Number 03-4S-16-02731-069 Estimated Cost of Construction $125,000

Subdivision Name The Preserve at Laurel Lake Lot 69 Block Unit 1 Phase 1

Driving Directions Hwy 90 W To County Rd 252-B on Left Then Right at Preserve Subdivision Follow All The Way To Stop Sign Take Right Site on left Number of Existing Dwellings on Property N/A

Construction of New Home Single Family Home Total Acreage 0.270 Lot Size 80'X135'

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

Actual Distance of Structure from Property Lines - Front 40' Side 10' Side 10' Rear 35'

Number of Stories 1 Heated Floor Area 1770 Total Floor Area 2465 Roof Pitch 8/12

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. **CODE:** Florida Building Code 2010 and the 2008 National Electrical Code.

1714

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. You must verify if your property is encumbered by any restrictions or face possible litigation and or fines.

(Owners Must Sign All Applications Before Permit Issuance.)

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.

Contractor's Signature (Permitee)

Contractor's License Number CBC 1258793
Columbia County
Competency Card Number 1026 clc

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 12 **day of** March **20** 13.

Personally known ✓ **or Produced Identification** _____

State of Florida Notary Signature (For the Contractor)

SEAL:

LAURIE HODSON
MY COMMISSION # EE 214728
EXPIRES: July 14, 2016
Bonded Thru Notary Public Underwriters

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER 1303-30 CONTRACTOR Isaac Nickelson PHONE 965-0985

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 724	Print Name Lyndon Rainbolt License #: EC13001835	Signature Lyndon Rainbolt Phone #: 386-755-5079
MECHANICAL/ A/C A-0716	Print Name Lyndon Rainbolt License #: RA0066590	Signature Lyndon Rainbolt Phone #: 386-755-5079
PLUMBING/ GAS 715	Print Name Cody Berry License #: CFC1427145	Signature Phone #: 386-623-0505
ROOFING 494	Print Name Caleb Laughlin License #: CCC1327718	Signature Phone #: 386-752-4022
SHEET METAL	Print Name N/A License #:	Signature Phone #:
FIRE SYSTEM/ SPRINKLER	Print Name N/A License#:	Signature Phone #:
SOLAR	Print Name N/A License #:	Signature Phone #:

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON	CBC1258773	Isaac Nickelson	Isaac Nickelson
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.

LOT93	ROSEMARY	747	SW	ROSEMARY	DR	32024
LOT94	ROSEMARY	731	SW	ROSEMARY	DR	32024
LOT95	ROSEMARY	715	SW	ROSEMARY	DR	32024
LOT96	ROSEMARY	701	SW	ROSEMARY	DR	32024
LOT97	ROSEMARY	691	SW	ROSEMARY	DR	32024
LOT98	ROSEMARY	687	SW	ROSEMARY	DR	32024
LOT99	ROSEMARY	679	SW	ROSEMARY	DR	32024
LOT100	ROSEMARY	659	SW	ROSEMARY	DR	32024
LOT101	ROSEMARY	641	SW	ROSEMARY	DR	32024
LOT102	ROSEMARY	623	SW	ROSEMARY	DR	32024
LOT103	ROSEMARY	601	SW	ROSEMARY	DR	32024
LOT104	ROSEMARY	563	SW	ROSEMARY	DR	32024
LOT105	ROSEMARY	541	SW	ROSEMARY	DR	32024
LOT106	ROSEMARY	523	SW	ROSEMARY	DR	32024
LOT107	ROSEMARY	505	SW	ROSEMARY	DR	32024
LOT108	ROSEMARY	491	SW	ROSEMARY	DR	32024
LOT109	ROSEMARY	471	SW	ROSEMARY	DR	32024
LOT110	ROSEMARY	453	SW	ROSEMARY	DR	32024
LOT111	ROSEMARY	437	SW	ROSEMARY	DR	32024
LOT112	ROSEMARY	421	SW	ROSEMARY	DR	32024
LOT113	ROSEMARY	407	SW	ROSEMARY	DR	32024
LOT114	ROSEMARY	391	SW	ROSEMARY	DR	32024
LOT115	ROSEMARY	375	SW	ROSEMARY	DR	32024
LOT116	ROSEMARY	333	SW	ROSEMARY	DR	32024
NEW	ROSEMARY	100	SW	SILVER PALM	DR	32024
MIN	SILVER PALM	242	SW	SILVER PALM	DR	32024
TB	SILVER PALM	486	SW	SILVER PALM	DR	32024
MAX	SILVER PALM	114	SW	SILVER PALM	DR	32024
LOT56	SILVER PALM	132	SW	SILVER PALM	DR	32024
LOT57	SILVER PALM	148	SW	SILVER PALM	DR	32024
LOT58	SILVER PALM	164	SW	SILVER PALM	DR	32024
LOT59	SILVER PALM	178	SW	SILVER PALM	DR	32024
LOT60	SILVER PALM	192	SW	SILVER PALM	DR	32024
LOT61	SILVER PALM	206	SW	SILVER PALM	DR	32024
LOT62	SILVER PALM	220	SW	SILVER PALM	DR	32024
LOT63	SILVER PALM					

OLDNUM	OLDSTR	NEWNUM	NE	NEWSTR	NEWT	NEWZI
LOT64	SILVER PALM	234	SW	SILVER PALM	DR	32024
LOT65	SILVER PALM	250	SW	SILVER PALM	DR	32024
LOT66	SILVER PALM	264	SW	SILVER PALM	DR	32024
LOT67	SILVER PALM	278	SW	SILVER PALM	DR	32024
LOT68	SILVER PALM	292	SW	SILVER PALM	DR	32024
LOT69	SILVER PALM	306	SW	SILVER PALM	DR	32024
LOT70	SILVER PALM	322	SW	SILVER PALM	DR	32024
LOT71	SILVER PALM	336	SW	SILVER PALM	DR	32024
LOT72	SILVER PALM	350	SW	SILVER PALM	DR	32024
LOT73	SILVER PALM	366	SW	SILVER PALM	DR	32024
LOT74	SILVER PALM	382	SW	SILVER PALM	DR	32024
LOT75	SILVER PALM	396	SW	SILVER PALM	DR	32024
LOT76	SILVER PALM	410	SW	SILVER PALM	DR	32024
LOT77	SILVER PALM	424	SW	SILVER PALM	DR	32024
LOT78	SILVER PALM	436	SW	SILVER PALM	DR	32024
LOT79	SILVER PALM	448	SW	SILVER PALM	DR	32024

Prepared by:
Traci Landry
Abstract Trust Title, LLC
PO Box 7175
Lake City, FL 32055

Inst:201312004199 Date:3/20/2013 Time:11:21 AM
Doc Stamp-Deed:0.70
DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1251 P:1355

ATS# 4-5464

CORRECTIVE
Warranty Deed
Limited Liability Company to Individual

THIS WARRANTY DEED made the 18 day of March, 2013, Residential Development Group, LLC, hereinafter called the grantor, to Isaac Nickelson, as Trustee of the Rick Bicknell and Jessica Bicknell Land Trust Dated January 15, 2013 whose post office address is: PO Box 2231, Lake City, FL 32056 hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument and the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporation)

Witnesseth: That the grantor, for and in consideration of the sum of $10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# 03-4S-16-02731-030

LOT 69 AND LOT 70, PRESERVE AT LAUREL LAKE, UNIT 1, A SUBDIVISION ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 9, PAGES 18-25, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

THE PURPOSE OF THIS INSTRUMENT IS TO CORRECT THE NAME OF THE GRANTEES' NAME AS SHOWN ON THAT CERTAIN DEED RECORDED IN OFFICIAL RECORD BOOK 1248, PAGE 830, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

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

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2012.

IN WITNESS WHEREOF, the said grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in our presence:

Residential Development Group, LLC

Witness:

By: Daniel Crapps, Managing Member

Printed Name:

Witness:

Printed Name:

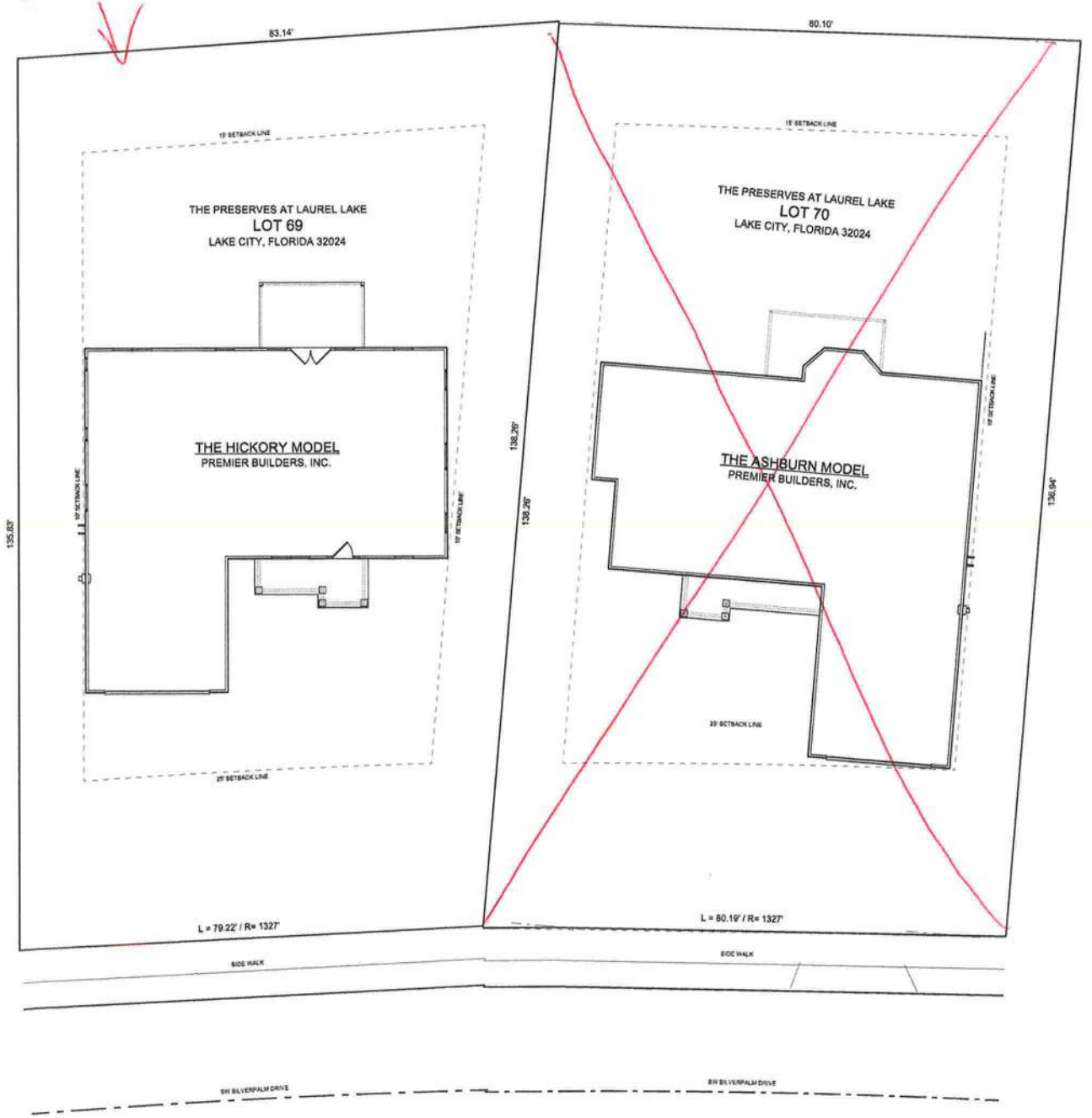
STATE OF FLORIDA
COUNTY OF COLUMBIA

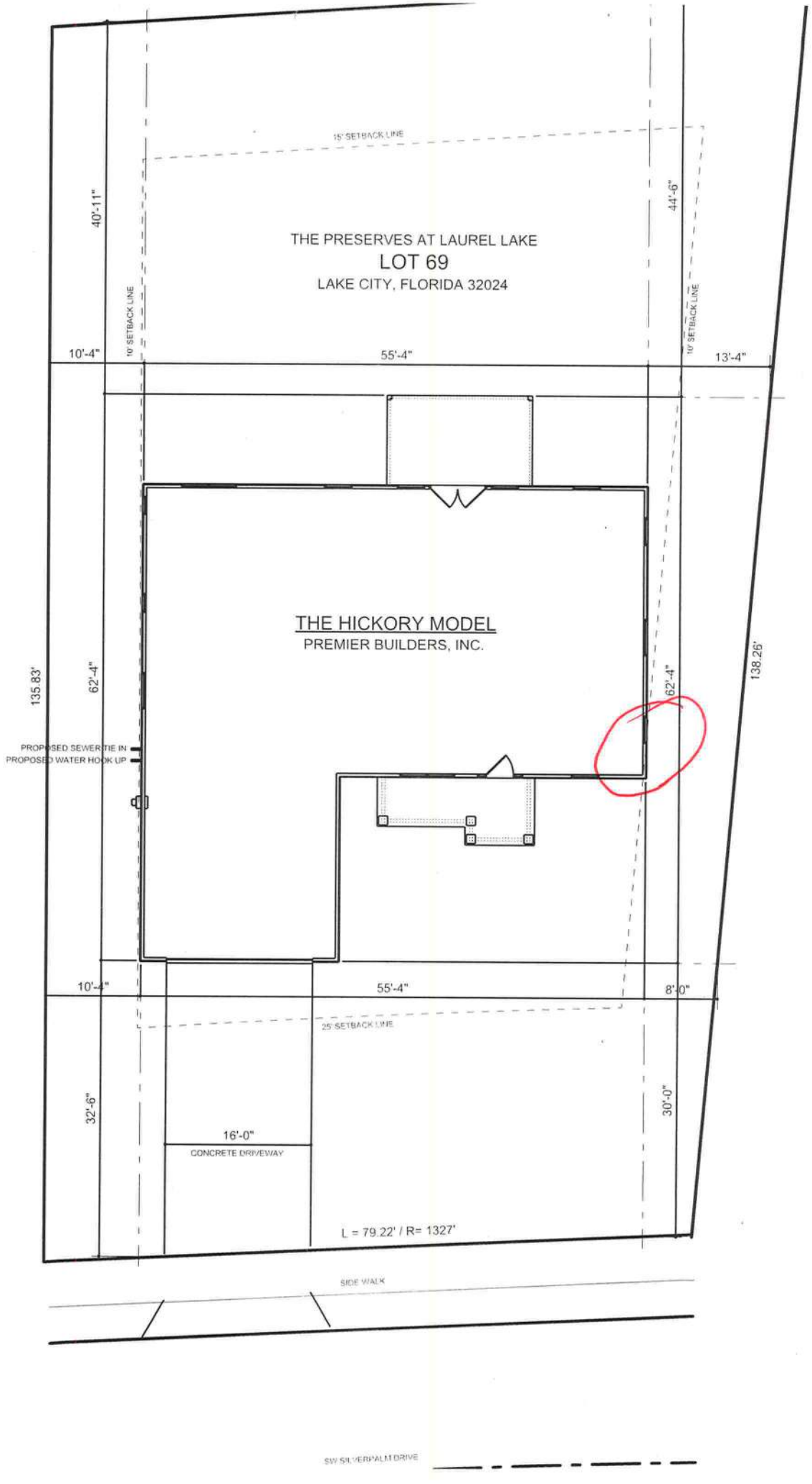
The foregoing instrument was acknowledged before me this 18 day of March, 2013 by DANIEL CRAPPS, as Managing Member of Residential Development Group, LLC personally known to me or, if not personally known to me, who produced DL for identification and who did not take an oath.

Notary Public

VERA LISA HICKS
MY COMMISSION # DD 984837 (Notary Seal)
EXPIRES: August 23, 2014
Bonded Thru Budget Notary Services

Revised


83.14'
80.10'
15' SETBACK LINE
THE PRESERVES AT LAUREL LAKE
LOT 69
LAKE CITY, FLORIDA 32024
THE HICKORY MODEL
PREMIER BUILDERS, INC.
10' SETBACK LINE
10' SETBACK LINE
25' SETBACK LINE
135.63'
138.26'
138.26'
THE PRESERVES AT LAUREL LAKE
LOT 70
LAKE CITY, FLORIDA 32024
THE ASHBURN MODEL
PREMIER BUILDERS, INC.
10' SETBACK LINE
25' SETBACK LINE
136.94'
L = 79.22' / R= 1327'
L = 80.19' / R= 1327'
SIDE WALK
SIDE WALK
SW SILVERPALM DRIVE
SW SILVERPALM DRIVE


15' SETBACK LINE
40'-11"
44'-6"
THE PRESERVES AT LAUREL LAKE
LOT 69
LAKE CITY, FLORIDA 32024
10' SETBACK LINE
10' SETBACK LINE
10'-4"
55'-4"
13'-4"
THE HICKORY MODEL
PREMIER BUILDERS, INC.
135.83'
62'-4"
62'-4"
138.26'
PROPOSED SEWER TIE IN
PROPOSED WATER HOOK UP
10'-4"
55'-4"
8'-0"
25' SETBACK LINE
32'-6"
30'-0"
16'-0"
CONCRETE DRIVEWAY
L = 79.22' / R= 1327'
SIDE WALK
SW SILVERPALM DRIVE

NOTICE OF COMMENCEMENT

Clerk's Office Stamp

Inst 201312004676 Date 3/27/2013 Time 1:49 PM
DC,P DeWitt Cason Columbia County Page 1 of 1 B:1251 P:2604

Tax Parcel Identification Number:

03-4S-16-02731-069

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)*: Single Family Home
   a) Street *(job)* Address: 306 SW Silver PALM Dr. Lake City FL 32024
2. General description of improvements: New Single Family Dwelling
3. Owner Information
   a) Name and address: Isaac Nickelson 198 SW Hydraulic way Lake City FL 32024
   b) Name and address of fee simple titleholder (if other than owner) N/A
   c) Interest in property
4. Contractor Information
   a) Name and address: Isaac Nickelson 198 SW Hydraulic way Lake City, FL 32024
   b) Telephone No.: Fax No. (Opt.)
5. Surety Information
   a) Name and address: N/A
   b) Amount of Bond:
   c) Telephone No.: Fax No. (Opt.)
6. Lender
   a) Name and address: N/A
   b) Phone No.
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
   a) Name and address: Isaac Nickelson P.O. Box 2281 Lake City, FL 32056
   b) Telephone No.: 386-965-0985 Fax No. (Opt.)
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
   a) Name and address: N/A
   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. Isaac Nickelson
Signature of Owner or Owner's Authorized Officer/Director/Partner/Manager

Isaac Nickelson
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 12 day of March, 20 13, by:

Isaac Nickelson as Owner **(type of authority, e.g. officer, trustee, attorney fact)** for Self **(name of party on behalf of whom instrument was executed).**

Personally Known ✓ OR Produced Identification ____ Type ____

Notary Signature L. Hodson Notary Stamp or Seal:

LAURIE HODSON
MY COMMISSION # EE 214728
EXPIRES: July 14, 2016
Bonded Thru Notary Public Underwriters

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.

Isaac Nickelson
Signature of Natural Person Signing (in line #10 above.)

- ATTN: CONNIE

Columbia County Building Department
Culvert Waiver

Culvert Waiver No. 000001999

DATE: 03/27/2013 BUILDING PERMIT NO. 30876

APPLICANT ISAAC NICKELSON PHONE 386.965.0985

ADDRESS 198 SW HYDRAULIC WAY LAKE CITY FL 32024

OWNER ISAAC NICKELSON PHONE 386.965.0985

ADDRESS 306 SW SILVER PALM DRIVE LAKE CITY FL 32024

CONTRACTOR ISAAC NICKELSON PHONE 386965.0985

LOCATION OF PROPERTY 90-W TO C-252,TL TO PRESERVE @ LAUREL LAKE S.D.,TR & FOLLOW ALL THE WAY TO STOP SIGN,TR AND SITE IS ON L.(SW SILVER PALM)

SUBDIVISION/LOT/BLOCK/PHASE/UNIT PRESERVE @ LAUREL LK 69 I

PARCEL ID # 03-4S-16-02731-069

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

SIGNATURE: [signature]

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

X APPROVED _____ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Curb + gutter roadway.

SIGNED: [signature] DATE: 4/3/13

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

COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST

MINIMUM PLAN REQUIREMENTS: FLORIDA BUILDING CODE RESIDENTIAL 2010 EFFECTIVE 15 MARCH 2012 AND THE NATIONAL ELECTRICAL 2008 EFFECTIVE 1 OCTOBER 2009

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

ALL BUILDING PLANS MUST INDICATE COMPLIANCE WITH THE CURRENT 2010 FLORIDA BUILDING CODES RESIDENTIAL, EFFECTIVE 15 MARCH 2012. NATIONAL ELECTRICAL CODE 2008 EFFECTIVE 1 OCTOBER 2009. 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 FLORIDA BUILDING CODE FIGURE 1609-A THROUGH 1609-C ULTIMATE DESIGN WIND SPEEDS FOR RISK CATEGORY AND BUILDINGS AND OTHER STRUCTURES

	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.)	1770	Total (Sq. Ft.) under roof 2465	IIIIIIII	IIIIIIII	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 are 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 YES	IIIII NO	IIIIII 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	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section FBC 1405.13.2 where the opening of an operable window is located more than 72 inches above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24 inches above the finished floor of the room in which the window is located. Glazing between the floor and 24 inches shall be fixed or have openings through which a 4-inch-diameter sphere cannot pass.	✓ ✓		
25	Safety glazing of glass where needed			
26	Fireplaces types (gas appliance) (vented or non-vented) or wood burning with Hearth (see chapter 10 and chapter 24 of FBCR)			✓
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	✓		✓
28	Identify accessibility of bathroom (see FBCR SECTION 320)			

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 1000 Pound Per Square Foot	✓		
33	Location of horizontal and vertical steel, for foundation or walls (include # size and type) **For** structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

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 318: 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			✓
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & inter 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 302.6	✓		
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 IRC 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 IRC 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 802.1.6.1 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 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	✓		

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**, *N1100.1.1.1 As an alternative to the computerized Compliance Method A, the Alternate Residential Point System Method hand calculation, Alternate Form 600A, may be used. All requirements specific to this calculation are located in Sub appendix C to Appendix G. Buildings complying by this alternative shall meet all mandatory requirements of this chapter. Computerized versions of the Alternate Residential Point System Method shall not be acceptable for code compliance.*

	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 shown in bathrooms **Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required**	✓		
79	Show clothes dryer route and total run of exhaust duct			

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by **Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A**	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show 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. **For structures** with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		

90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed **Combination arc-fault circuit interrupter,** Protection device.	✓		

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 On-Line Building Permit Application www.ccpermit.com is to be completed, by following the Checklist all supporting documents must be submitted. There is a **$15.00** application fee.	✓		
93	**Parcel Number** The parcel number (Tax ID number) from the Property Appraisers Office (386) 758-1083 is required. A copy of property deed is also requested. www.columbiacountyfla.com	✓		
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 386-752-2031	✓		✓
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 approved FIRM Flood Maps show the property is in a AE, Floodway, and AH flood zones. Additionally One Foot Rise letters are required for AE and AH zones. In the Floodway Flood zones a Zero Rise letter is required.			
100	A Flood development permit is also required for AE, Floodway & AH. 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. County Public Works Dept. determines the size and length of every culvert before instillation and completes a final inspection before permanent power is granted. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (**$50.00**) Separate Check when issued. If the project is to be located on an F.D.O.T. maintained road, then an F.D.O.T. access permit is required.			
102	**911 Address:** An application for a 911address must be applied for and **received** through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125 Ext. 3	✓		

Section R101.2.1 of the Florida Building Code Residential:

The provisions of Chapter 1, Florida Building Code 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 application is approved for permitting the applicant will be notified by phone as to the status by the Columbia County Building & Zoning Department.

PREMIER BUILDING
"Building Your Structural Future"

CBC-1258773
Product Approval Codes

P.O. Box 2231 Lake City, FL 32056 **Date: 3/12/13**

1. **Windows-FL 9965-R2**
2. **Doors-FL 5851-R3**
3. **Roofing-FL 10674-R7**

Sincerely, Isaac Nickelson
(386) 965-0985
Owner/President

COLUMBIA COUNTY BUILDING DEPARTMENT
Received
for
FILE COPY
Code
Compliance
PLANS EXAMINER

FORM 405-10

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name:	Hickory Model	Builder Name:	Premier Builders, INC.
Street:		Permit Office:	Columbia County
City, State, Zip:	Lake City , FL , 32024-	Permit Number:	
Owner:	Spec House	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	3
5. Is this a worst case?	No
6. Conditioned floor area above grade (ft²)	1770
Conditioned floor area below grade (ft²)	0

7. Windows(269.3 sqft.)	Description	Area
a. U-Factor:	Dbl, U=0.30	269.33 ft²
SHGC:	SHGC=0.30	
b. U-Factor:	N/A	ft²
SHGC:		
c. U-Factor:	N/A	ft²
SHGC:		
d. U-Factor:	N/A	ft²
SHGC:		
Area Weighted Average Overhang Depth:		1.500 ft.
Area Weighted Average SHGC:		0.300

8. Floor Types (1770.0 sqft.)	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	1770.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

9. Wall Types (1572.0 sqft.)	Insulation	Area
a. Frame - Wood, Exterior	R=13.0	1377.00 ft²
b. Frame - Wood, Adjacent	R=13.0	195.00 ft²
c. N/A	R=	ft²
d. N/A	R=	ft²

10. Ceiling Types (1770.0 sqft.)	Insulation	Area
a. Under Attic (Vented)	R=30.0	1770.00 ft²
b. N/A	R=	ft²
c. N/A	R=	ft²

11. Ducts	R	ft²
a. Sup: Attic, Ret: Attic, AH: Main	6	354

12. Cooling systems	kBtu/hr	Efficiency
a. Central Unit	45.0	SEER:13.00

13. Heating systems	kBtu/hr	Efficiency
a. Electric Heat Pump	45.0	HSPF:7.80

14. Hot water systems	
a. Electric	Cap: 80 gallons EF: 0.920
b. Conservation features	
None	
15. Credits	CF, Pstat

Glass/Floor Area: 0.152

Total Proposed Modified Loads: 30.23

Total Standard Reference Loads: 38.82

PASS

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

PREPARED BY: Jonathan Morris

DATE: 2-14-13

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____

- **Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist**

COLUMBIA COUNTY BUILDING DEPARTMENT ... COPY ... EXAMINER

PROJECT

Title:	Hickory Model	Bedrooms:	3	Address Type:	Lot Information
Building Type:	User	Conditioned Area:	1770	Lot #	
Owner:	Spec House	Total Stories:	1	Block/SubDivision:	The Preserves
# of Units:	1	Worst Case:	No	PlatBook:	
Builder Name:	Premier Builders, INC.	Rotate Angle:	90	Street:	
Permit Office:	Columbia County	Cross Ventilation:		County:	Columbia
Jurisdiction:		Whole House Fan:		City, State, Zip:	Lake City , FL , 32024-
Family Type:	Single-family				
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	70	75	1305.5	51	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	1770	15930

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	Main	1770	15930	Yes	6	3	1	Yes	Yes	Yes

FLOORS

√	#	Floor Type	Space	Perimeter	R-Value	Area		Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	Main	185.666 ft	0	1770 ft²	----	0.3	0.3	0.4

ROOF

√	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
_____	1	Hip	Composition shingles	2128 ft²	0 ft²	Dark	0.96	No	0.9	No	0	33.7

ATTIC

√	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	1770 ft²	N	N

CEILING

√	#	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	Main	30	1770 ft²	0.11	Wood

WALLS

√	#	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	Width In	Height Ft	Height In	Area	Sheathing R-Value	Framing Fraction	Solar Absor.	Below Grade%
____	1	N=>E	Exterior	Frame - Wood	Main	13	55	4	9		498.0 ft²		0.23	0.75	0
____	2	E=>S	Exterior	Frame - Wood	Main	13	32		9		288.0 ft²		0.23	0.75	0
____	3	S=>W	Garage	Frame - Wood	Main	13	21	8	9		195.0 ft²		0.23	0.75	0
____	4	S=>W	Exterior	Frame - Wood	Main	13	33	8	9		303.0 ft²		0.23	0.75	0
____	5	W=>N	Exterior	Frame - Wood	Main	13	32		9		288.0 ft²		0.23	0.75	0

DOORS

√	#	Ornt	Door Type	Space	Storms	U-Value	Width Ft	Width In	Height Ft	Height In	Area
_____	1	S=>W	Insulated	Main	None	0.400000	2	8	6	8	17.77777
_____	2	S=>W	Insulated	Main	None	0.400000	3		6	8	20 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to As Built (rotated 90 degrees).

√	#	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Overhang Separation	Int Shade	Screening
_____	1	N=>E	1	Vinyl	Low-E Double	Yes	0.3	0.3	45.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	2	N=>E	1	Vinyl	Low-E Double	Yes	0.3	0.3	36.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	3	N=>E	1	Vinyl	Low-E Double	Yes	0.3	0.3	40.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	4	N=>E	1	Vinyl	Low-E Double	Yes	0.3	0.3	9.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	5	E=>S	2	Vinyl	Low-E Double	Yes	0.3	0.3	20.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	6	E=>S	2	Vinyl	Low-E Double	Yes	0.3	0.3	16.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	7	S=>W	4	Vinyl	Low-E Double	Yes	0.3	0.3	36.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	8	S=>W	4	Vinyl	Low-E Double	Yes	0.3	0.3	15.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	9	S=>W	4	Vinyl	Low-E Double	Yes	0.3	0.3	13.3 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	10	S=>W	4	Vinyl	Low-E Double	Yes	0.3	0.3	5.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	11	W=>N	5	Vinyl	Low-E Double	Yes	0.3	0.3	30.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None
_____	12	W=>N	5	Vinyl	Low-E Double	Yes	0.3	0.3	4.0 ft²	1 ft 6 in	1 ft 0 in	Drapes/blinds	None

GARAGE

√	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	440 ft²	440 ft²	62 ft	9 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	0.000500	2321.3	127.44	239.66	0.3850	8.7433

HEATING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.8	45 kBtu/hr	1	sys#1

COOLING SYSTEM

√	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
_____	1	Central Unit	None	SEER: 13	45 kBtu/hr	1350 cfm	0.75	1	sys#1

HOT WATER SYSTEM

√	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	None	Main	0.92	80 gal	60 gal	120 deg	None

SOLAR HOT WATER SYSTEM

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

DUCTS

√	#	---- Supply ---- Location	R-Value	Area	---- Return ---- Location	Area	Leakage Type	Air Handler	CFM25	CFM25 OUT	QN	RLF	HVAC # Heat	Cool
_____	1	Attic	6	354 ft²	Attic	88.5 ft²	Default Leakage	Main	cfm	(Default)			1	1

TEMPERATURES

Programable Thermostat: Y

Ceiling Fans:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cooling	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]	[X]	[X]	[ ]	[ ]	[ ]
Heating	[X]	[X]	[X]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[X]	[X]
Venting	[ ]	[ ]	[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 405-10

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS:	PERMIT #:
Lake City, FL, 32024-	

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	
Ducts	403.2.2 403.3.3	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code. Building framing cavities shall not be used as supply ducts.	
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	
Ceilings/knee walls	405.2.1	R-19 space permitting.	

Residential System Sizing Calculation

Summary

Spec House

Project Title:
Hickory Model

Lake City, FL 32024-

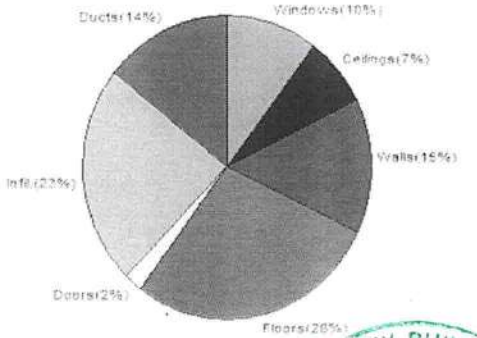
2/5/2013

Location for weather data: Gainesville, FL - Defaults: Latitude(29.7) Altitude(152 ft.) Temp Range(M)					
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)					
Winter design temperature(MJ8 99%)	33	F	Summer design temperature(MJ8 99%)	92	F
Winter setpoint	70	F	Summer setpoint	75	F
Winter temperature difference	37	F	Summer temperature difference	17	F
Total heating load calculation	**28605**	**Btuh**	**Total cooling load calculation**	**28267**	**Btuh**
Submitted heating capacity	% of calc	Btuh	Submitted cooling capacity	% of calc	Btuh
Total (Electric Heat Pump)	157.3	45000	Sensible (SHR = 0.75)	156.9	33750
Heat Pump + Auxiliary(0.0kW)	157.3	45000	Latent	166.4	11250
			Total (Electric Heat Pump)	159.2	45000

WINTER CALCULATIONS

Winter Heating Load (for 1770 sqft)

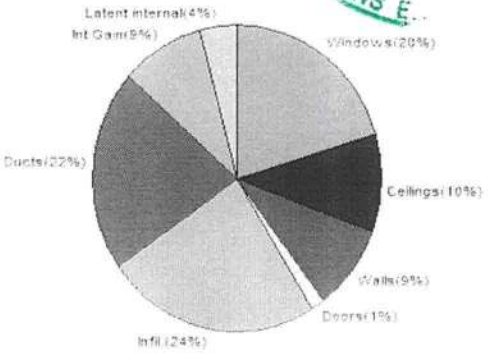
Load component			Load	
Window total	269	sqft	2990	Btuh
Wall total	1265	sqft	4154	Btuh
Door total	38	sqft	559	Btuh
Ceiling total	1770	sqft	2086	Btuh
Floor total	1770	sqft	8106	Btuh
Infiltration	164	cfm	6625	Btuh
Duct loss			4085	Btuh
Subtotal			**28605**	**Btuh**
Ventilation	0	cfm	0	Btuh
TOTAL HEAT LOSS			**28605**	**Btuh**



SUMMER CALCULATIONS

Summer Cooling Load (for 1770 sqft)

Load component			Load	
Window total	269	sqft	5741	Btuh
Wall total	1265	sqft	2536	Btuh
Door total	38	sqft	423	Btuh
Ceiling total	1770	sqft	2931	Btuh
Floor total			0	Btuh
Infiltration	123	cfm	2283	Btuh
Internal gain			2580	Btuh
Duct gain			5013	Btuh
Sens. Ventilation	0	cfm	0	Btuh
Blower Load			0	Btuh
Total sensible gain			**21507**	**Btuh**
Latent gain(ducts)			1077	Btuh
Latent gain(infiltration)			4483	Btuh
Latent gain(ventilation)			0	Btuh
Latent gain(internal/occupants/other)			1200	Btuh
Total latent gain			**6760**	**Btuh**
TOTAL HEAT GAIN			**28267**	**Btuh**



8th Edition

EnergyGauge® System Sizing
PREPARED BY: Jonathan Morris
DATE: 2-14-13

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Spec House

Project Title:
Hickory Model

Lake City, FL 32024-

Building Type: User

2/5/2013

Reference City: Gainesville, FL (Defaults) Winter Temperature Difference: 37.0 F (MJ8 99%)
This calculation is for Worst Case. The house has been rotated 270 degrees.

Component Loads for Whole House

Window	Panes/Type	Frame	U	Orientation	Area(sqft) X	HTM=	Load
1	2, NFRC 0.30	Vinyl	0.30	W	45.0	11.1	500 Btuh
2	2, NFRC 0.30	Vinyl	0.30	W	36.0	11.1	400 Btuh
3	2, NFRC 0.30	Vinyl	0.30	W	40.0	11.1	444 Btuh
4	2, NFRC 0.30	Vinyl	0.30	W	9.0	11.1	100 Btuh
5	2, NFRC 0.30	Vinyl	0.30	N	20.0	11.1	222 Btuh
6	2, NFRC 0.30	Vinyl	0.30	N	16.0	11.1	178 Btuh
7	2, NFRC 0.30	Vinyl	0.30	E	36.0	11.1	400 Btuh
8	2, NFRC 0.30	Vinyl	0.30	E	15.0	11.1	166 Btuh
9	2, NFRC 0.30	Vinyl	0.30	E	13.3	11.1	148 Btuh
10	2, NFRC 0.30	Vinyl	0.30	E	5.0	11.1	56 Btuh
11	2, NFRC 0.30	Vinyl	0.30	S	30.0	11.1	333 Btuh
12	2, NFRC 0.30	Vinyl	0.30	S	4.0	11.1	44 Btuh
	Window Total				269.3(sqft)		2990 Btuh

Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	368	3.28	1209 Btuh
2	Frame - Wood	- Ext	(0.089)	13.0/0.0	252	3.28	828 Btuh
3	Frame - Wood	- Adj	(0.089)	13.0/0.0	177	3.28	582 Btuh
4	Frame - Wood	- Ext	(0.089)	13.0/0.0	214	3.28	702 Btuh
5	Frame - Wood	- Ext	(0.089)	13.0/0.0	254	3.28	834 Btuh
	Wall Total				1265(sqft)		4154 Btuh

Doors	Type	Storm	Ueff.	Area X	HTM=	Load
1	Insulated - Garage,	n	(0.400)	18	14.8	263 Btuh
2	Insulated - Exterior,	n	(0.400)	20	14.8	296 Btuh
	Door Total			38(sqft)		559Btuh

Ceilings	Type/Color/Surface	Ueff.	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shing	(0.032)	30.0/0.0	1770	1.2	2086 Btuh
	Ceiling Total			1770(sqft)		2086Btuh

Floors	Type	Ueff.	R-Value	Size X	HTM=	Load
1	Slab On Grade	(1.180)	0.0	185.7 ft(perim.)	43.7	8106 Btuh
	Floor Total			1770 sqft		8106 Btuh

	Envelope Subtotal:	17895 Btuh

Infiltration	Type	Wholehouse ACH	Volume(cuft)	Wall Ratio	CFM=	
	Natural	0.62	15930	1.00	163.5	6625 Btuh

Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.167)	4085 Btuh
All Zones	**Sensible Subtotal All Zones**	**28605 Btuh**

Manual J Winter Calculations

Residential Load - Component Details (continued)

Spec House
Lake City, FL 32024-

Project Title:
Hickory Model
Building Type: User

2/5/2013

WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	28605 Btuh 0 Btuh 28605 Btuh

EQUIPMENT

1. Electric Heat Pump	#	45000 Btuh

Key: Window types - NFRC (Requires U-Factor and Shading coefficient(SHGC) of glass as numerical values)
or - Glass as 'Clear' or 'Tint' (Uses U-Factor and SHGC defaults)
U - (Window U-Factor)
HTM - (ManualJ Heat Transfer Multiplier)

Version 8

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Spec House

Project Title:
Hickory Model

Lake City, FL 32024-

2/5/2013

Reference City: Gainesville, FL Temperature Difference: 17.0F(MJ8 99%) Humidity difference: 54gr.

This calculation is for Worst Case. The house has been rotated 270 degrees.

Component Loads for Whole House

Window	Type* Panes	SHGC	U	InSh	IS	Ornt	Overhang Len	Hgt	Window Area(sqft) Gross	Shaded	Unshaded	HTM Shaded	Unshaded	Load
1	2 NFRC	0.30, 0.30	B-L	No	W	1.5ft	1.0ft	45.0	2.2	42.8	8	24	1044	Btuh
2	2 NFRC	0.30, 0.30	B-L	No	W	1.5ft	1.0ft	36.0	1.5	34.5	8	24	840	Btuh
3	2 NFRC	0.30, 0.30	B-L	No	W	1.5ft	1.0ft	40.0	1.5	38.5	8	24	936	Btuh
4	2 NFRC	0.30, 0.30	B-L	No	W	1.5ft	1.0ft	9.0	0.7	8.3	8	24	204	Btuh
5	2 NFRC	0.30, 0.30	B-L	No	N	1.5ft	1.0ft	20.0	0.0	20.0	8	8	161	Btuh
6	2 NFRC	0.30, 0.30	B-L	No	N	1.5ft	1.0ft	16.0	0.0	16.0	8	8	129	Btuh
7	2 NFRC	0.30, 0.30	B-L	No	E	1.5ft	1.0ft	36.0	1.5	34.5	8	24	840	Btuh
8	2 NFRC	0.30, 0.30	B-L	No	E	1.5ft	1.0ft	15.0	0.7	14.3	8	24	348	Btuh
9	2 NFRC	0.30, 0.30	B-L	No	E	1.5ft	1.0ft	13.3	0.5	12.8	8	24	312	Btuh
10	2 NFRC	0.30, 0.30	B-L	No	E	1.5ft	1.0ft	5.0	1.2	3.8	8	24	100	Btuh
11	2 NFRC	0.30, 0.30	B-L	No	S	1.5ft	1.0ft	30.0	30.0	0.0	8	10	242	Btuh
12	2 NFRC	0.30, 0.30	B-L	No	S	1.5ft	1.0ft	4.0	4.0	0.0	8	10	32	Btuh
	Excursion												551	Btuh
	Window Total							269 (sqft)					5741	Btuh

Walls	Type	U-Value	R-Value Cav/Sheath	Area(sqft)	HTM	Load
1	Frame - Wood - Ext	0.09	13.0/0.0	368.0	2.1	768 Btuh
2	Frame - Wood - Ext	0.09	13.0/0.0	252.0	2.1	526 Btuh
3	Frame - Wood - Adj	0.09	13.0/0.0	177.2	1.5	267 Btuh
4	Frame - Wood - Ext	0.09	13.0/0.0	213.7	2.1	446 Btuh
5	Frame - Wood - Ext	0.09	13.0/0.0	254.0	2.1	530 Btuh
	Wall Total			1265 (sqft)		2536 Btuh

Doors	Type	Area (sqft)	HTM	Load
1	Insulated - Garage	17.8	11.2	199 Btuh
2	Insulated - Exterior	20.0	11.2	224 Btuh
	Door Total	38 (sqft)		423 Btuh

Ceilings	Type/Color/Surface	U-Value	R-Value	Area(sqft)	HTM	Load
1	Vented Attic/DarkShingle	0.032	30.0/0.0	1770.0	1.66	2931 Btuh
	Ceiling Total			1770 (sqft)		2931 Btuh

Floors	Type	R-Value	Size	HTM	Load
1	Slab On Grade	0.0	1770 (ft-perimeter)	0.0	0 Btuh
	Floor Total		1770.0 (sqft)		0 Btuh

				Envelope Subtotal:		11631 Btuh
Infiltration	Type	Average ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	Natural	0.46	15930	1	122.7	2283 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		6	X 230	+	1200	2580 Btuh
				Sensible Envelope Load:		16494 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House | Project Title: Hickory Model | Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024-

2/5/2013

Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)	(DGM of 0.304)	5013 Btuh
		Sensible Load All Zones	**21507 Btuh**

Manual J Summer Calculations

Residential Load - Component Details (continued)

Spec House

Project Title: Hickory Model

Climate:FL_GAINESVILLE_REGIONAL_A

Lake City, FL 32024-

2/5/2013

WHOLE HOUSE TOTALS

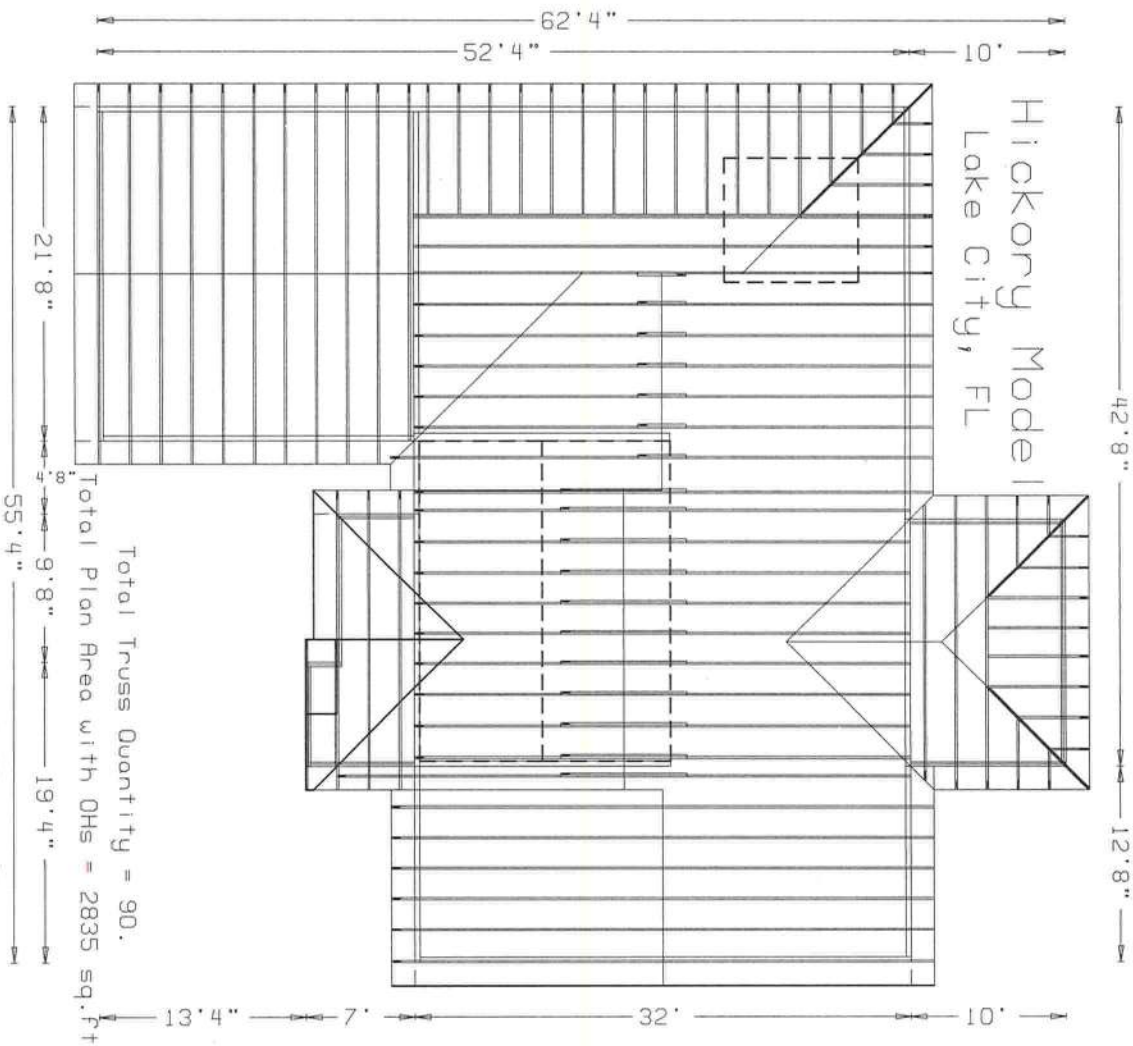
Whole House Totals for Cooling	**Sensible Envelope Load All Zones**	**16494 Btuh**
	Sensible Duct Load	5013 Btuh
	Total Sensible Zone Loads	**21507 Btuh**
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	**21507 Btuh**
	Latent infiltration gain (for 54 gr. humidity difference)	4483 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	1077 Btuh
	Latent occupant gain (6.0 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	**6760 Btuh**
	TOTAL GAIN	**28267 Btuh**

EQUIPMENT

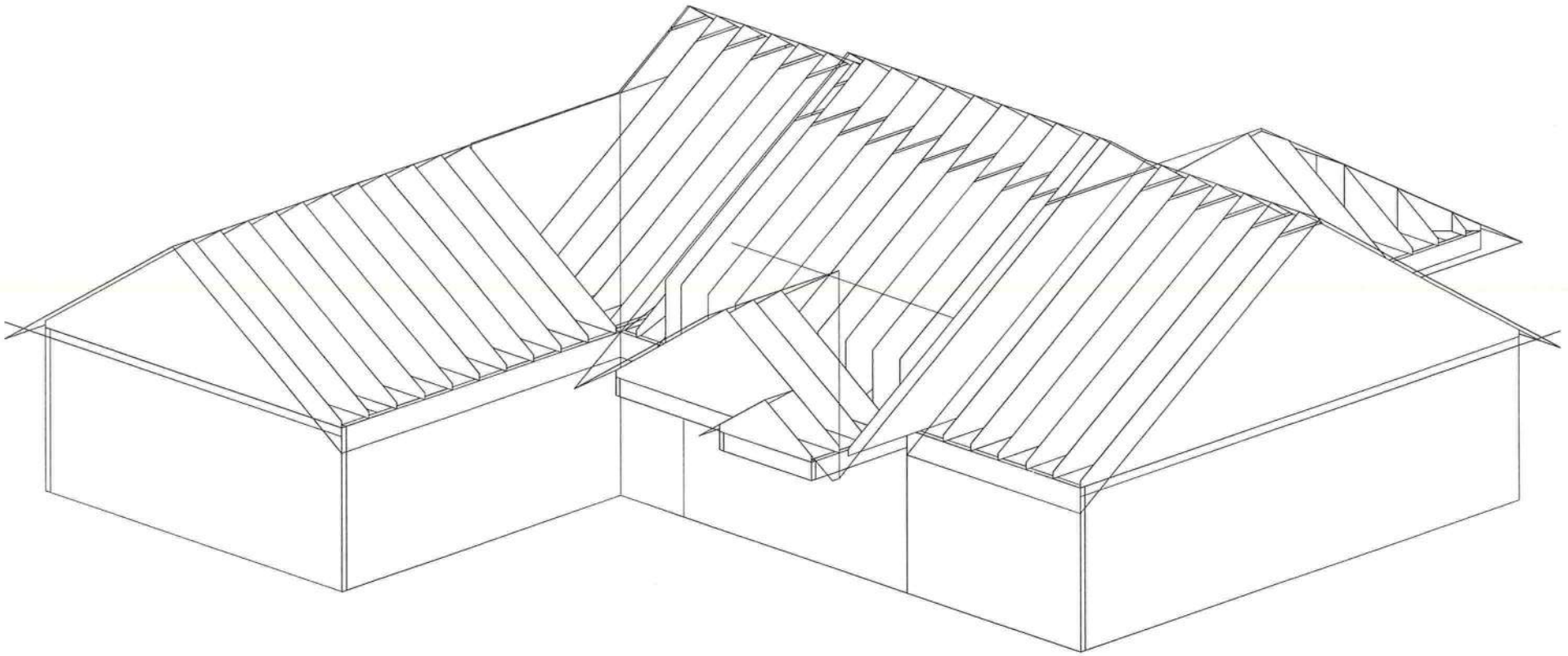
1. Central Unit	#	45000 Btuh

*Key: Window types (Panes - Number and type of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value)
(U - Window U-Factor)
(InSh - Interior shading device: none(No), Blinds(B), Draperies(D) or Roller Shades(R))
- For Blinds: Assume medium color, half closed
For Draperies: Assume medium weave, half closed
For Roller shades: Assume translucent, half closed
(IS - Insect screen: none(N), Full(F) or Half(½))
(Ornt - compass orientation)

Version 8

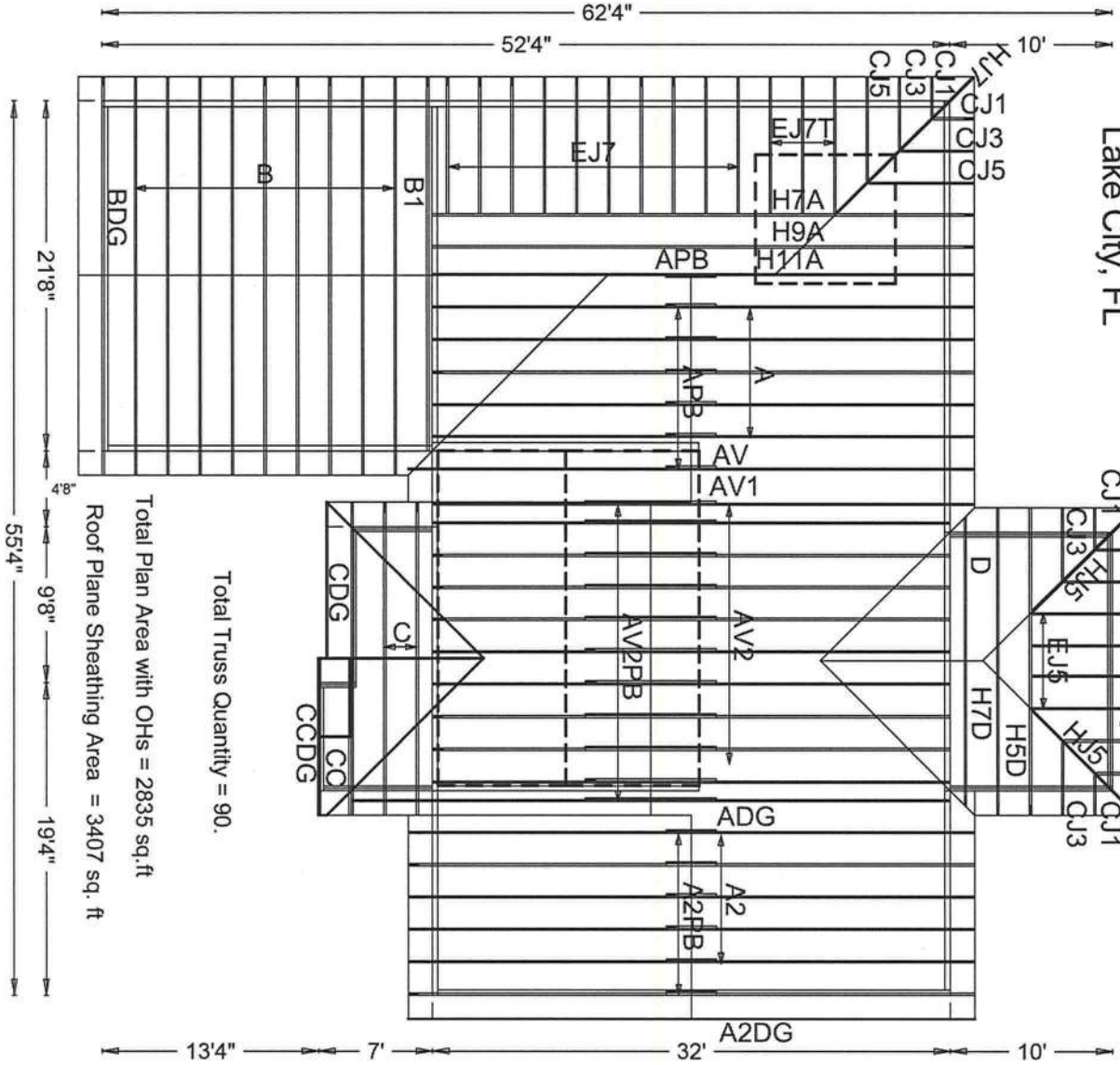


PAGE NO: 1 OF 1	JOB NO: HM	ADDRESS: JOB DESCRIPTION:: Premier Building /: Hickory Model JOB #: HM DESIGNER: ColeMan Burlingame SALESMAN: Curt V Burlingame	: <Not Found>



Hickory Model

Lake City, FL

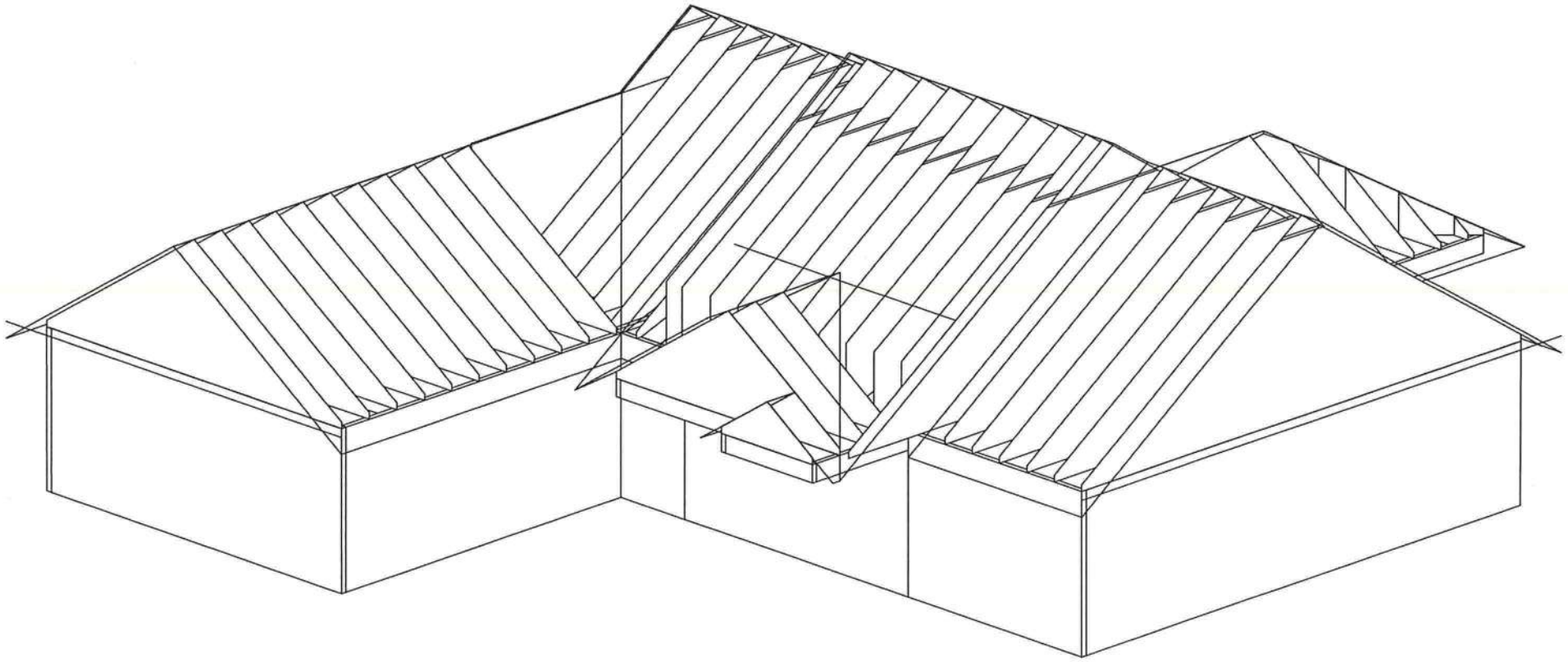


Total Truss Quantity = 90.

Total Plan Area with OHs = 2835 sq.ft

Roof Plane Sheathing Area = 3407 sq. ft

PAGE NO: 1 OF 1	JOB NO: 13-087	ADDRESS: JOB DESCRIPTION:: Premier Building /: Hickory Model JOB #: 13-087 DESIGNER: ColeMan Burlingame SALESMAN: Curt V Burlingame	: <Not Found>	ANDERSON TRUSS COMPANY



New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525

#30876

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.
Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise.

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.
Company Address P.O. Box 1795 City Lake City State FL Zip 32056
Company Business License No. JB182948 Company Phone No. 386-755-3611
FHA/VA Case No. (if any)

Section 2: Builder Information

Company Name Premier Builders Phone No. 965-0985

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Isaac Nickelson
306 SW Silver Palm Drive Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 4-4-2013
Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other

Check all that apply:
☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Biflex XTS EPA Registration No. 53883-189
Approx. Dilution (%): .06 Approx. Total Gallons Mix Applied: 250 Treatment completed on exterior: ☐ Yes ☒ No
☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: EPA Registration No.
Approx. Dilution (%): Approx. Total Gallons Mix Applied:
☐ C. Bait System Installed
Name of System EPA Registration No. Number of Stations Installed
☐ D. Physical Barrier System Installed
Name of System Attach installation information (required)

Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.
Attachments (List)
Comments
Name of Applicator(s) Cliff Lacey Certification No. (if required by State law) JF104376
The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Cliff Lacey Date 4-4-2013

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

Dyke Industries, Inc.
Quote Acknowledgment

Contact Information: 850-576-5106

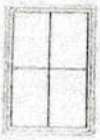
Project: 000359 **PO #:** **Quote #:** 000359

Sold-To:	VISION WOODWORKS	**Ship-To:**	VISION WOODWORKS
Address:	729 S W BAYLOCK CT.	**Address:**	729 S W BAYLOCK CT.
	470 S W ARROWHEAD TERRACE		470 S W ARROWHEAD TERRACE
	LAKE CITY FL		LAKE CITY FL

Entered By: **Ship Method:** Delivery **Date Entered:** 20130328

Sales person: Lew Williams **Last Modified:** 20130328

Item: 0001 **QTY: 1** **Location:** **Item CD:** 51PW2436-DAA--W



StyleView DP50 Picture Window Nailfin White
Rough Opening Size: 24" W X 36" H
Net Frame Size: 23 1/2" W X 35 1/2" H
Glass Options: Low-E
Grid Options: GBG Flat 7/8" Colonial White 2W2H

Item: 0002 **QTY: 4** **Location:** **Item CD:** 51SH3660-DAA-DW

StyleView DP50 Single Hung Nailfin Equal White
Rough Opening Size: 36" W X 60" H
Net Frame Size: 35 1/2" W X 59 1/2" H
Glass Options: Low-E
Grid Options: GBG Flat 7/8" Colonial White Both Sashes 2W2H/2W2H
Other Options: Half Screen White Installed

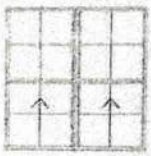
Item: 0003 **QTY: 1** **Location:** **Item CD:** 51TR4812-DAA--W

StyleView DP50 Transom Nailfin White
Rough Opening Size: 48" W X 12" H
Net Frame Size: 47 1/2" W X 11 1/2" H
Glass Options: Low-E
Grid Options: GBG Flat 7/8" Colonial White 4W1H

Item: 0004 **QTY: 1** **Location:** **Item CD:** 51PW4848TEAA--W

StyleView DP50 Picture Window Nailfin White
Rough Opening Size: 48" W X 48" H
Net Frame Size: 47 1/2" W X 47 1/2" H
Glass Options: Low-E, Tempered
Grid Options: GBG Flat 7/8" Colonial White 2W2H

Item: 0005 **QTY: 1** **Location:** **Item CD:** 52SH7272-DAA-DW



StyleView DP50 Single Hung Twin Nailfin Equal White
Rough Opening Size: 72" W X 72" H
Net Frame Size: 71 1/2" W X 71 1/2" H
Glass Options: Low-E
Grid Options: GBG Flat 7/8" Colonial White Both Sashes 2W2H/2W2H
Other Options: Half Screen White Installed

Q30876

Require elevation per plat is 118.1
OK
BLK
10 Apr. 2013

Britt Surveying and Mapping, LLC
2086 SW Main Blvd Ste 112 • Lake City, FL 32025
386-752-7163 P • 386-752-5573 F • www.brittsurvey.com

4/10/2013

L-22555

Re: Lot 69 of Preserves at Laurel Lake

To: Premier Building

To Whom It May Concern:

The elevation of the form boards on Lot 69 is found to be 118.39 feet. The elevation of the lowest adjacent grade is 117.30 feet. The elevation of the highest adjacent grade is 117.8 feet. All elevations shown hereon are NGVD 29 datum.

Sincerely,

L. Scott Britt
LS 5757

New Construction Subterranean Termite Service Record

OMB Approval No. 2502-0525

This form is completed by the licensed Pest Control Company.

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. This information is required to obtain benefits. HUD may not collect this information, and you are not required to complete this form, unless it displays a currently valid OMB control number.

Section 24 CFR 200.926d(b)(3) requires that the sites for HUD insured structures must be free of termite hazards. This information collection requires the builder to certify that an authorized Pest Control company performed all required treatment for termites, and that the builder guarantees the treated area against infestation for one year. Builders, pest control companies, mortgage lenders, homebuyers, and HUD as a record of treatment for specific homes will use the information collected. The information is not considered confidential, therefore, no assurance of confidentiality is provided.

This report is submitted for informational purposes to the builder on proposed (new) construction cases when treatment for prevention of subterranean termite infestation is specified by the builder, architect, or required by the lender, architect, FHA, or VA.

All contracts for services are between the Pest Control Company and builder, unless stated otherwise. #30876

Section 1: General Information (Pest Control Company Information)

Company Name Aspen Pest Control, Inc.

Company Address P.O. Box 1795 City Lake City State FL Zip 32056

Company Business License No. JB182948 Company Phone No. 386-755-3611

FHA/VA Case No. (if any) _____

Section 2: Builder Information

Company Name Premier Builders Phone No. 365-0985

Section 3: Property Information

Location of Structure(s) Treated (Street Address or Legal Description, City, State and Zip) Isaac Nicholson
306 SW Silver Palm Drive Lake City, FL 32024

Section 4: Service Information

Date(s) of Service(s) 4-4-2013

Type of Construction (More than one box may be checked) ☒ Slab ☐ Basement ☐ Crawl ☐ Other _____

Check all that apply:

☒ A. Soil Applied Liquid Termiticide
Brand Name of Termiticide: Dursban TCS EPA Registration No. 53883-189
Approx. Dilution (%): .06 Approx. Total Gallons Mix Applied: 250 Treatment completed on exterior: ☐ Yes ☒ No

☐ B. Wood Applied Liquid Termiticide
Brand Name of Termiticide: _____ EPA Registration No. _____
Approx. Dilution (%): _____ Approx. Total Gallons Mix Applied: _____

☐ C. Bait System Installed
Name of System _____ EPA Registration No. _____ Number of Stations Installed _____

☐ D. Physical Barrier System Installed
Name of System _____ Attach installation information (required)

Service Agreement Available? ☒ Yes ☐ No
Note: Some state laws require service agreements to be issued. This form does not preempt state law.

Attachments (List) _____

Comments _____

Name of Applicator(s) Cliff Lacey Certification No. (if required by State law) JF104376

The applicator has used a product in accordance with the product label and state requirements. All materials and methods used comply with state and federal regulations.

Authorized Signature Cliff Lacey Date 4-4-2013

Warning: HUD will prosecute false claims and statements. Conviction may result in criminal and/or civil penalties. (18 U.S.C. 1001, 1010. 1012; 31 U.S.C. 3729, 3802)

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:1UUB487-Z0206133104

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

Truss Fabricator:	Anderson Truss Company
Job Identification:	13-087--Premier Building Hickory Model -- Lake City, FL
Truss Count:	31
Model Code:	Florida Building Code 2010
Truss Criteria:	FBC2010Res/TPI-2007(STD)
Engineering Software:	Alpine Software,Version 10.03.
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 - 37.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 120 MPH ASCE 7-10 -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: HCUSR487

William H. Krick
-Truss Design Engineer-

1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-12015EC1-GBLLETIN-GABRST10-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	09250-A	32' Stepdown H	13065005	03/06/13
2	09251-A2	32' Stepdown	13065006	03/06/13
3	09252--A2DG	32' Gable	13065007	03/06/13
4	09253-A2PB	3'1"6 Comm	13065008	03/06/13
5	09254-ADG	37' Stepdown	13065035	03/06/13
6	09255-APB	3'1"6 Common	13065009	03/06/13
7	09256-AV	32' Stepdown	13065010	03/06/13
8	09257-AV1	32' Stepdown	13065011	03/06/13
9	09258-AV2	32' Stepdown	13065012	03/06/13
10	09259-AV2PB	8'1"6 Comm	13065013	03/06/13
11	09260--B	21'8" Common	13065014	03/06/13
12	09261--B1	21'8" Common	13065015	03/06/13
13	09262--BDG	21'8" Gable	13065016	03/06/13
14	09263--C	16'4" Common	13065017	03/06/13
15	09264--CC	6'8" Common	13065018	03/06/13
16	09265--CCDG	6'8" Gable	13065019	03/06/13
17	09266--CDG	16'4" Gable	13065020	03/06/13
18	09267--CJ1	1' Jack	13065021	03/06/13
19	09268--CJ3	3' Jack	13065022	03/06/13
20	09269--CJ5	5' Jack	13065023	03/06/13
21	09270--D	16' Common	13065024	03/06/13
22	09271--EJ5	5' End Jack	13065025	03/06/13
23	09272--EJ7	7' End Jack	13065026	03/06/13
24	09273-EJ7T	7' End Jack	13065027	03/06/13
25	09274-H11A	32'0"2 Spec	13065028	03/06/13
26	09275-H5D	16' Stepdown	13065029	03/06/13
27	09276-H7A	32' Mono Hip	13065030	03/06/13
28	09277-H7D	16' Stepdown	13065031	03/06/13
29	09278-H9A	32' Mono Hip	13065032	03/06/13
30	09279-HJ5	7'0"14 Hip J	13065033	03/06/13
31	09280-HJ7	9'10"13 Hip	13065034	03/06/13

COLUMBIA COUNTY BUILDING DEPARTMENT Received for FILE COPY Code Compliance PLANS EXAMINER

(13-087--Premier Building Hickory Model -- Lake City, FL - A 32' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP M-30 :T1, T5 2x4 SP_#1_12A:
Bot chord 2x4 SP M-30
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

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

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

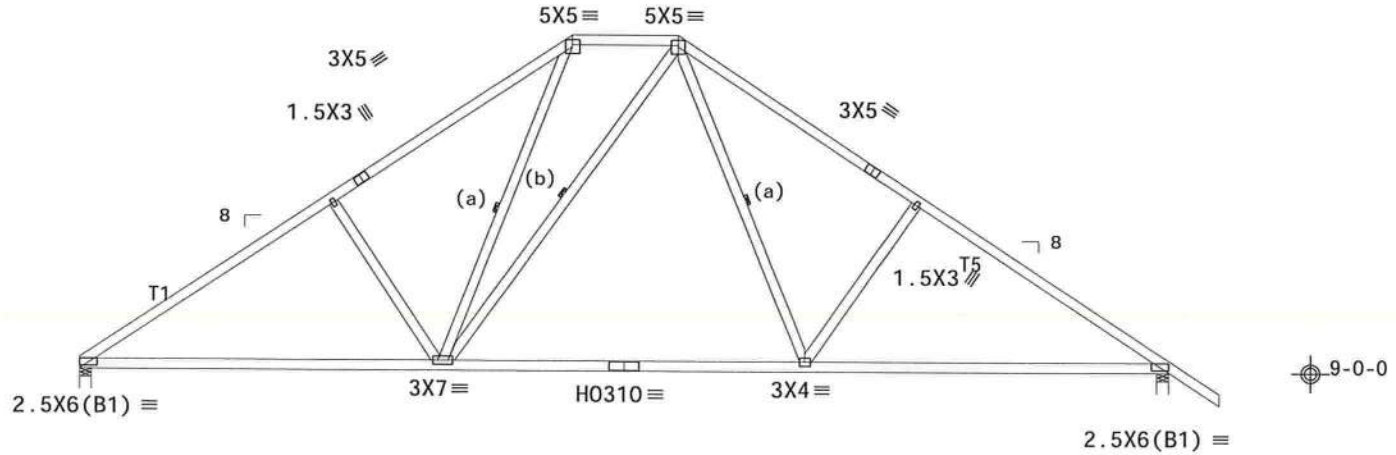
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

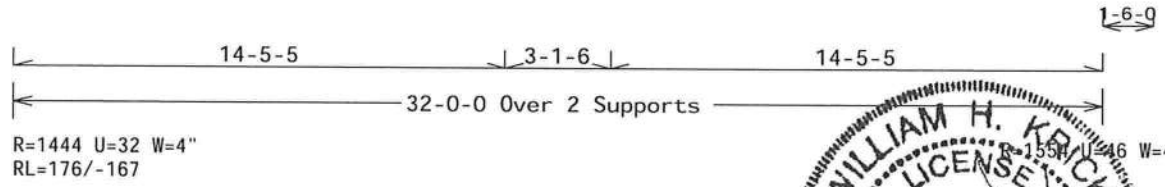
Wind loads and reactions based on MWFRS with additional C&C member design.

(b) Continuous lateral bracing equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=1444 U=32 W=4"
RL=176/-167

R=155 U=46 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. 20 Gauge HS,Wave

10.03.11.0209.19 QTY:5

FL/-/3/-/-/R/-

Scale =.1875"/Ft.

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/06/2013

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 9250
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065005
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63998
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

(13-087--Premier Building Hickory Model -- Lake City, FL - A2 32' Stepdown Hip)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(a) Continuous lateral bracing equally spaced on member.

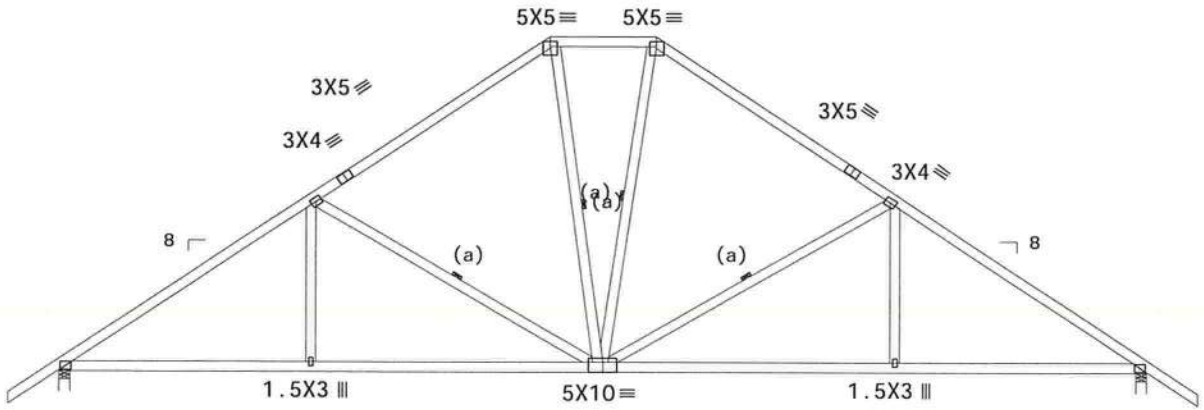
Bottom chord checked for 10.00 psf non-concurrent live load.

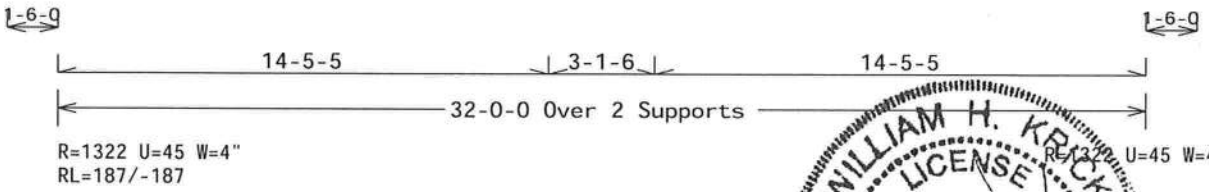
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 03/06/2013

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0) 10.03.11.0709.19 QTY:5 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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

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TC LL	20.0 PSF	REF	R487-- 9251
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065006
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63986
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

(13-087--Premier Building Hickory Model -- Lake City, FL - A2DG 32' Gable)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A
:Stack Chord SC1 2x4 SP_#1_12A::Stack Chord SC2 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

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

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

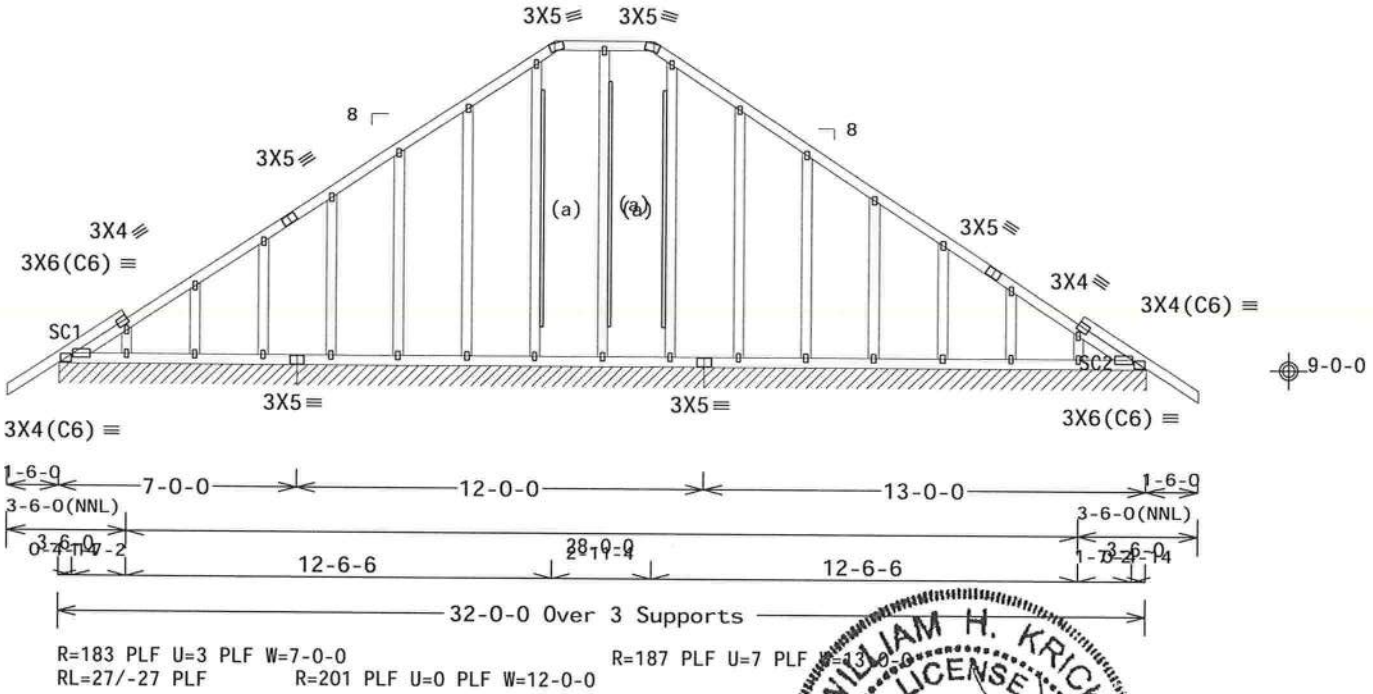
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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. Creep increase factor for dead load is 1.50.



R=183 PLF U=3 PLF W=7-0-0
RL=27/-27 PLF
R=201 PLF U=0 PLF W=12-0-0
R=187 PLF U=7 PLF W=13-0-0

Note: All Plates Are 1.5X3 Except As Shown.

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

10.03.11.0209.19 QTY 1

FL/-/3/-/-/R/-

Scale =.1875"/Ft.

WILLIAM H. KRICK LICENSE No.70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for standard practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487-- 9252
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065007
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63916
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

(13-087--Premier Building Hickory Model -- Lake City, FL - A2PB 3'1"6 Common)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

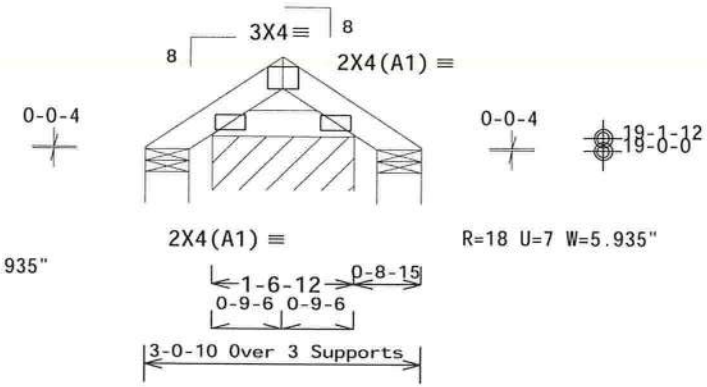
120 mph wind, 19.53 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=2.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 plf at -0.74 to 57 plf at 0.78
TC- From 57 plf at 0.78 to 57 plf at 2.31
BC- From 4 plf at -0.74 to 4 plf at 2.31

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0) ID.03.11.0209.19 QTY:8 FL/-/3/-/-/R/- Scale =.5"/Ft.

WILLIAM H. KRICK LICENSE No.70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9253
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065008
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63907
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - ADG 37' Stepdown Hip)

Top chord 2x4 SP_#1_12A :T1, T5 2x4 SP M-30:
Bot chord 2x4 SP M-30 :B1 2x4 SP_#1_12A:
Webs 2x4 SP_#3__12A :W2, W4 2x4 SP_#1_12A:
:Stack Chord SC1 2x4 SP_#1_12A::Stack Chord SC2 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Calculated horizontal deflection is 0.10" due to live load and 0.20" due to dead load.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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.

(b) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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

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

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

Brg blocks:0.131"x3", min. nails

brg	x-loc	#blocks	length/blk	#nails/blk	wall plate
1	5.000'	1	12"	4	Rigid Surface

Brg block to be same size and species as chord.
Refer to drawing CNNAILSP0109 for more information.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

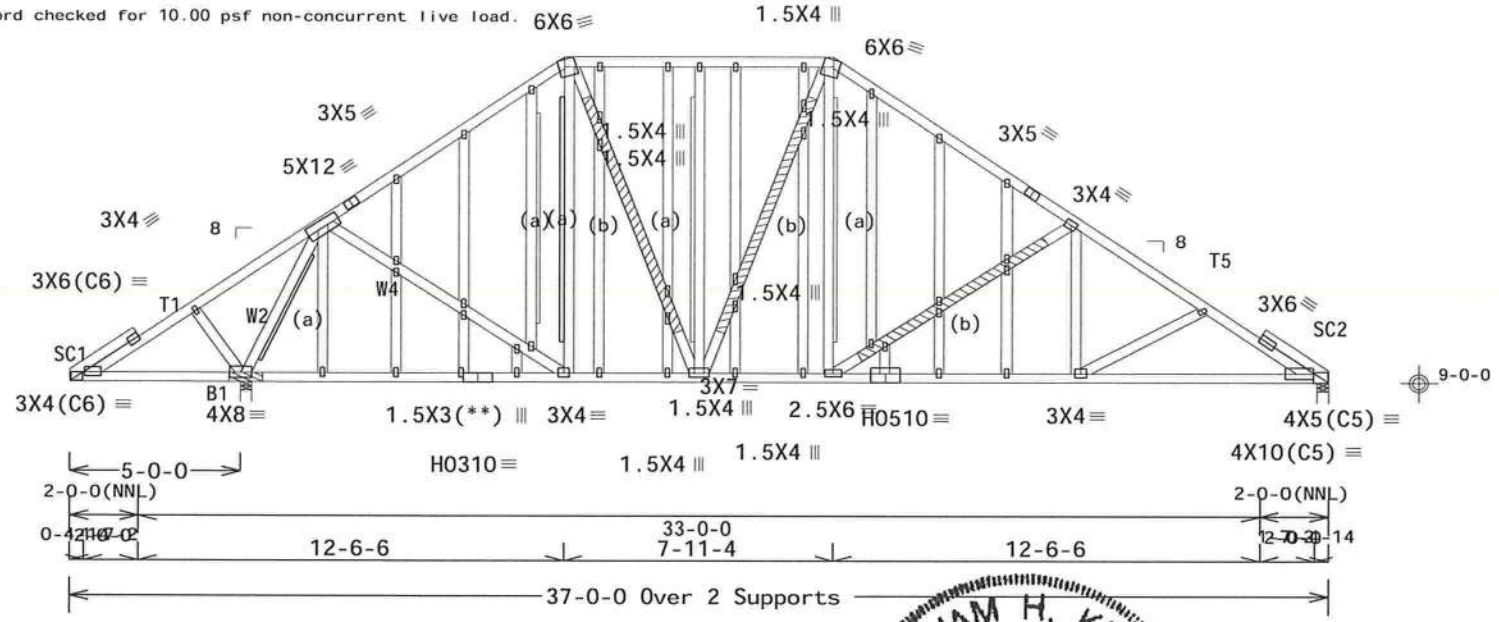
Wind loads and reactions based on MWFRS with additional C&C member design.

Left cantilever is exposed to wind

Gable end supports 8" max rake overhang.

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 20 Gauge HS,Wave FT/RT=10%(0%)/0(0) 10.03.11.0809.19 QTY: 1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9254
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065035
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63962
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - APB 3'1"6 Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 19.52 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=2.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Refer to DWG PB1400310 for piggyback details.

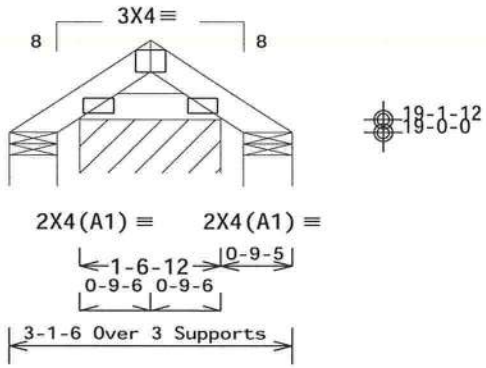
Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	57 plf at	0.00 to	57 plf at	1.56
TC- From	57 plf at	1.56 to	57 plf at	3.11
BC- From	4 plf at	0.00 to	4 plf at	3.11

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

MWFRS loads based on trusses located at least 9.76 ft. from roof edge.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY 7 FL/-/3/-/-/R/- Scale =.5"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9255
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065009
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56683
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - AV 32' Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Calculated horizontal deflection is 0.13" due to live load and 0.18" due to dead load.

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

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

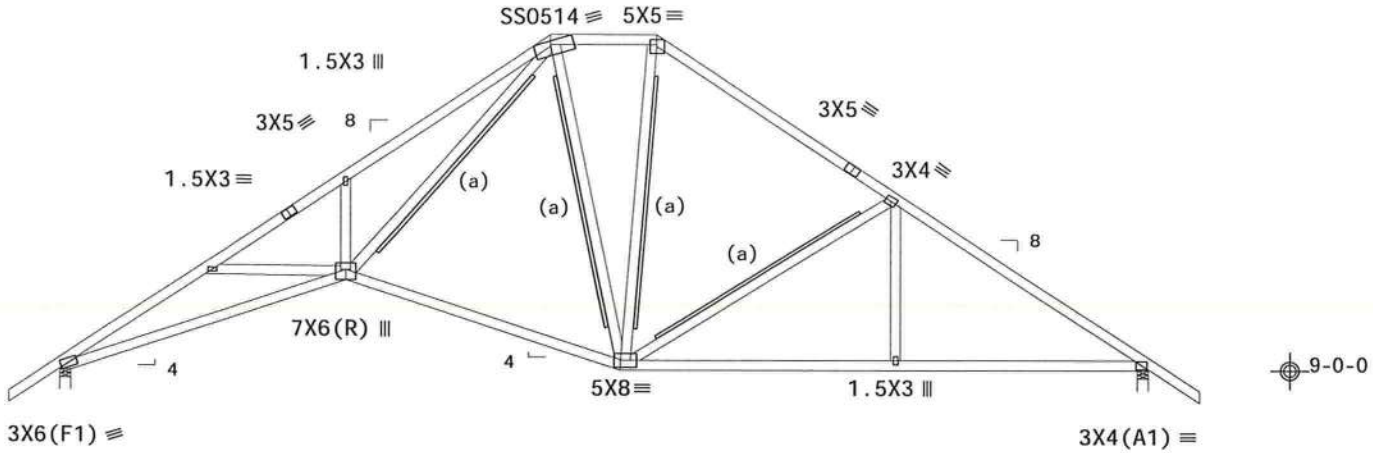
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

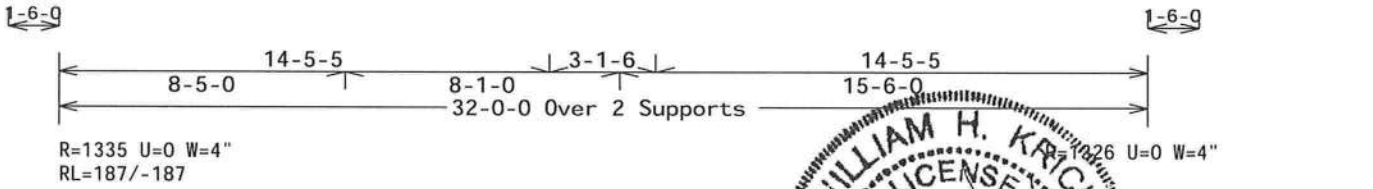
Wind loads and reactions based on MWFRS with additional C&C member design.

(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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9256
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065010
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56688
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - AV1 32' Stepdown Hip)

Top chord 2x4 SP_#1_12A :T3, T4 2x4 SP M-30:
Bot chord 2x4 SP_#1_12A :B3 2x4 SP M-30:
Webs 2x4 SP_#3__12A :W2 2x4 SP_#1_12A:
:Stack Chord SC1 2x4 SP_#1_12A::Stack Chord SC2 2x4 SP M-30:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Left end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.08" due to live load and 0.17" due to dead load.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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.

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang.

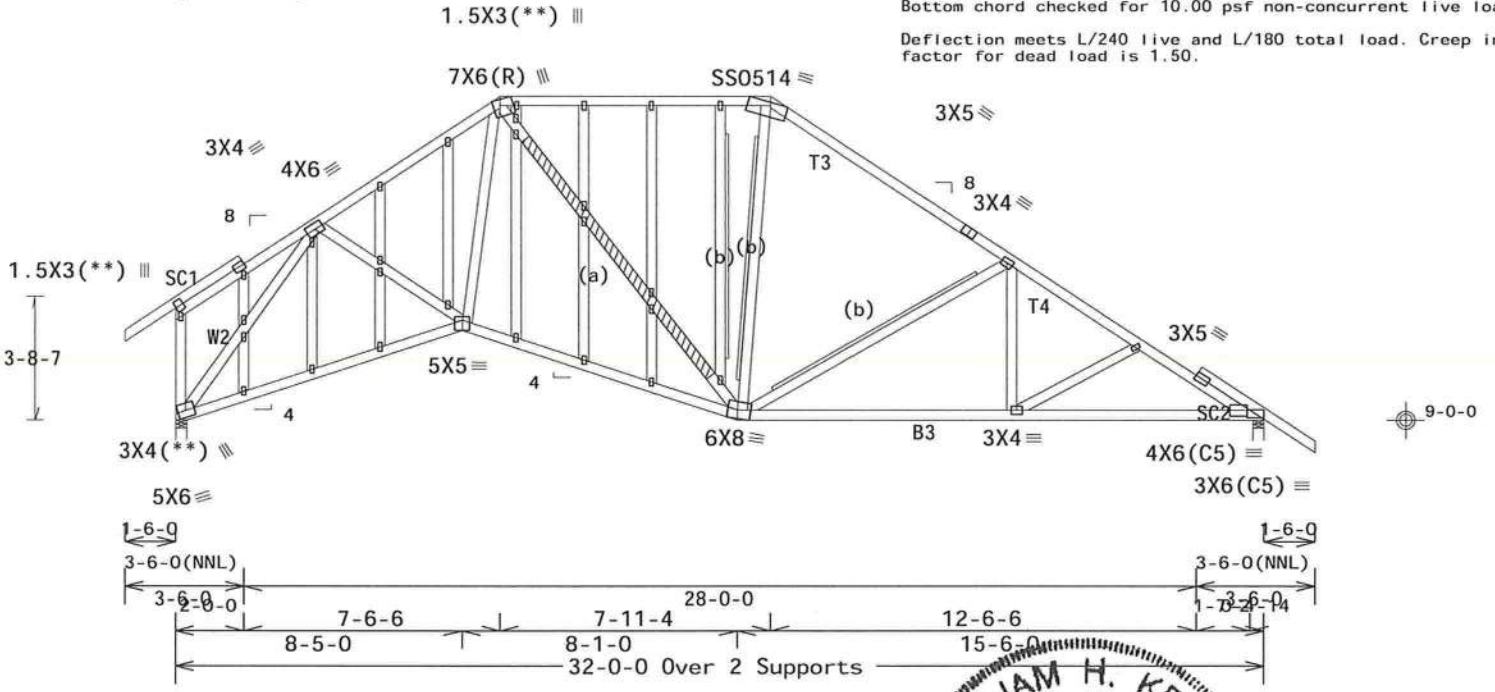
See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

(a) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=2699 U=44 W=4"
RL=151/-169

R=2607 U=42 W=4"

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 1 OTY 1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

WILLIAM H. KRUCK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9257
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065011
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56695
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - AV2 32' Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Left end vertical not exposed to wind pressure.

(a) Continuous lateral bracing equally spaced on member. Or 2x4 #3 or better "T" brace. 80% length of web member. Attached with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

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

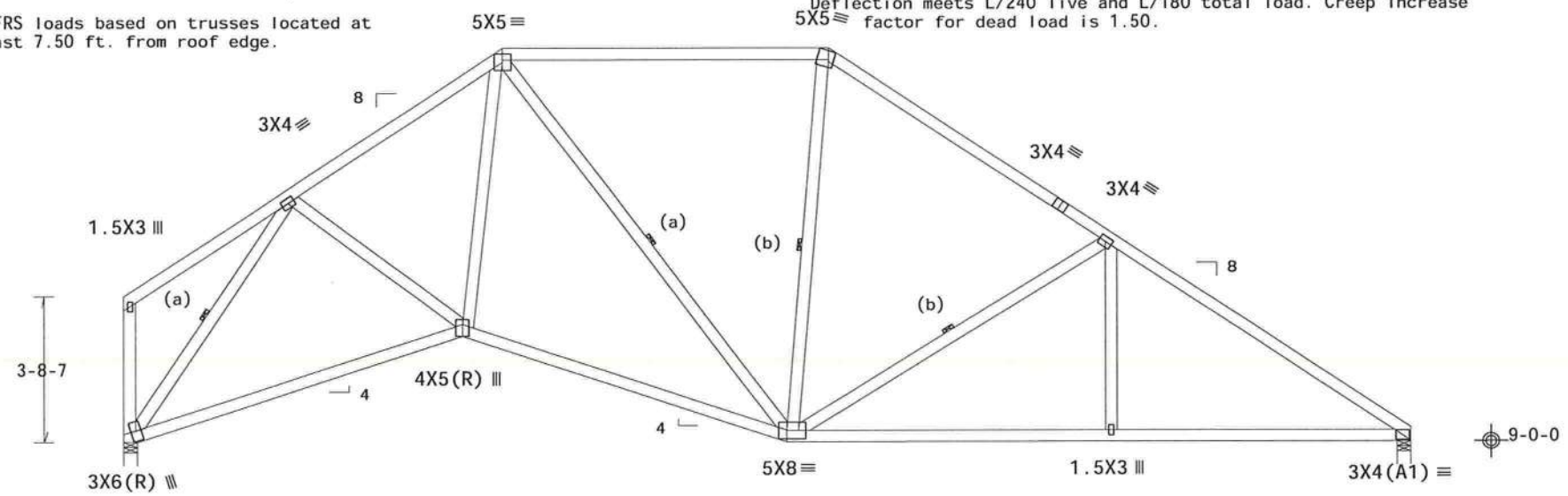
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

(b) Continuous lateral bracing equally spaced on member. Or 1x4 #3SRB SPF-S or better "T" brace. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



9-5-5 / 8-5-0 | 8-1-6 / 8-1-0 | 14-5-5 / 15-6-0

32-0-0 Over 2 Supports

R=1237 U=36 W=4"
RL=119/-138

R=1239 U=30 W=4"

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY=9 FL/-/3/-/-/R/- Scale =.25"/Ft.

WILLIAM H. KRICK LICENSE No.70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 03/06/2013

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
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TC LL	20.0 PSF	REF	R487-- 9258
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065012
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63989
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

(13-087--Premier Building Hickory Model -- Lake City, FL - AV2PB 8'1"6 Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Wind loads and reactions based on MWFRS with additional C&C member design.

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

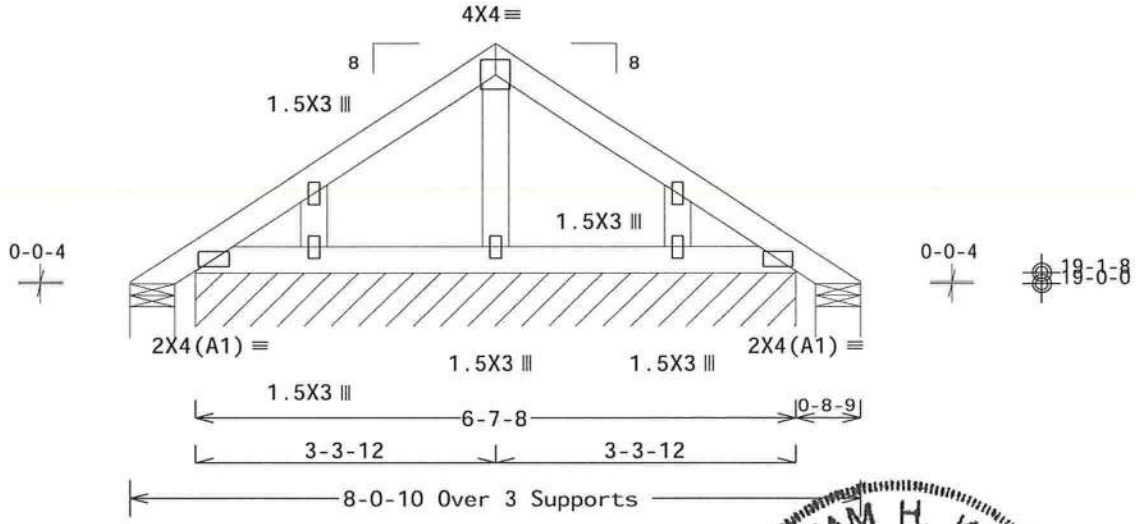
MWFRS loads based on trusses located at least 10.18 ft. from roof edge.

Refer to DWG PB1400310 for piggyback details.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 plf at -0.71 to 57 plf at 3.31
TC- From 57 plf at 3.31 to 57 plf at 7.34
BC- From 4 plf at -0.71 to 4 plf at 7.34

120 mph wind, 20.36 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=2.0 psf. GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=17 Rw=27 U=22 W=5.935"
RL=43/R=484 PLF U=9 PLF W=6-7-8

R=17 U=14 W=5.935"

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 11 FL/-/3/-/-/R/- Scale =.5"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

ALPINE
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TC LL	20.0 PSF	REF	R487-- 9259
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065013
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56620
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - B 21'8" Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

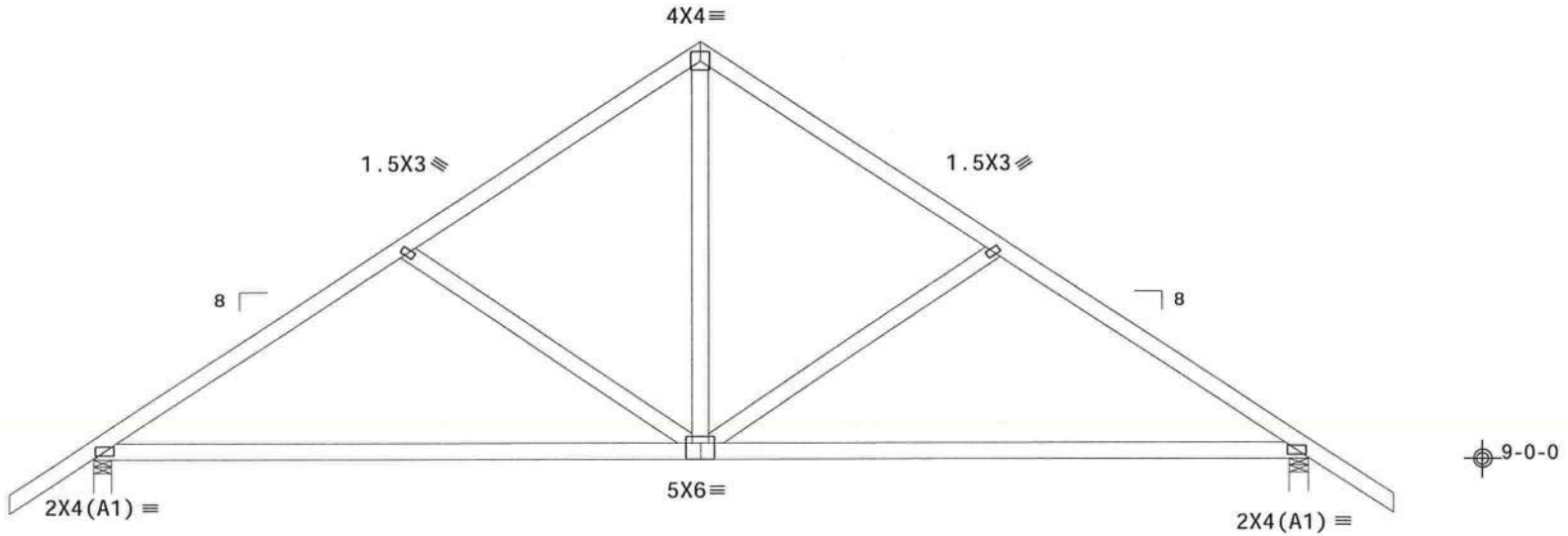
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 10.03.11.0209.19 | QTY-9 | FL/-/3/-/-/R/- | Scale =.3125"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

03/06/2013

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FL COA #0 278

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TC LL	20.0 PSF	REF	R487-- 9260
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065014
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56616
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - B1 21'8" Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

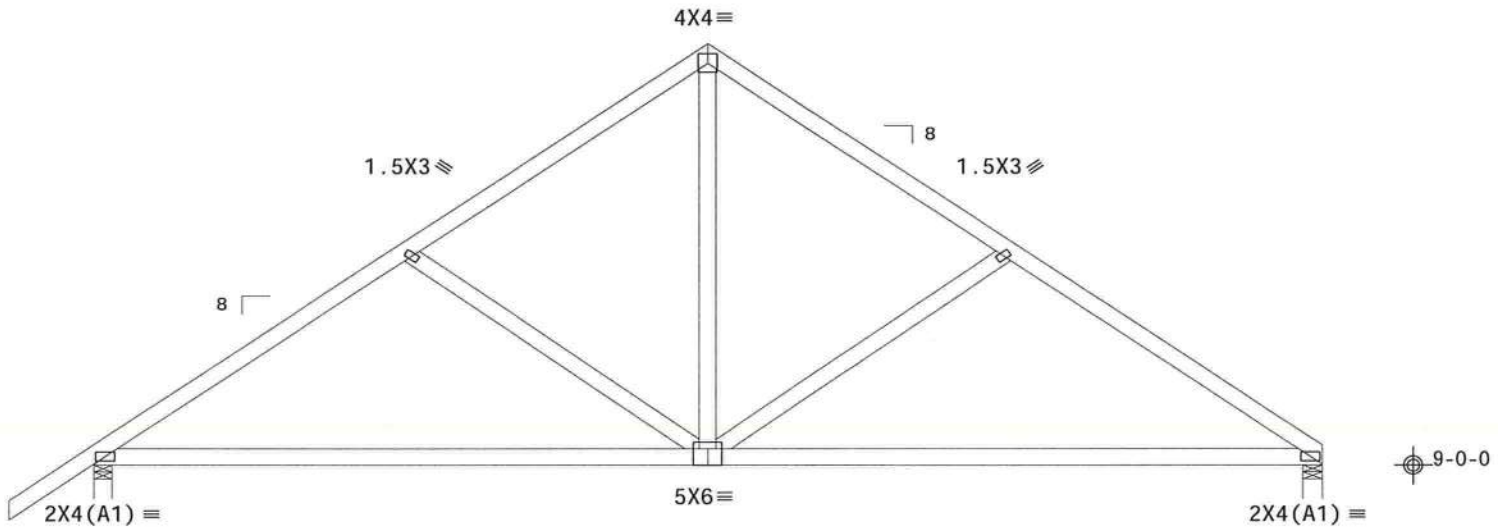
Bottom chord checked for 10.00 psf non-concurrent live load.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 1 FL/-/3/-/-/R/- Scale =.3125"/Ft.

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

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TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487-- 9261
DATE	03/06/13
DRW	HCUSR487 13065015
HC-ENG	WHK/WHK
SEQN-	56612
JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - BDG 21'8" Gable)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A
:Stack Chord SC1 2x4 SP_#1_12A::Stack Chord SC2 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

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

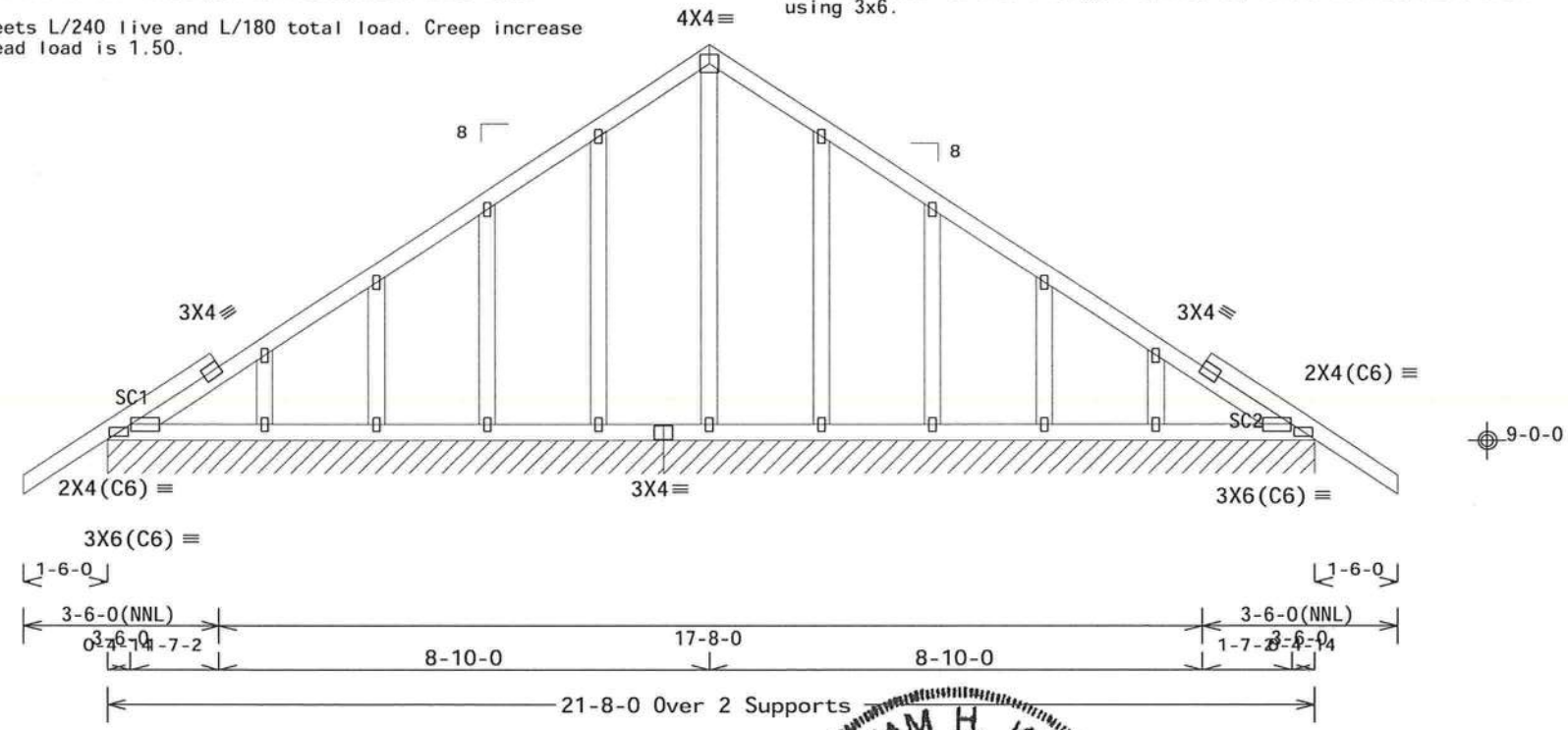
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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.



R=145 PLF U=6 PLF W=10-0-0
RL=14/-14 PLF

R=150 PLF U=0 PLF W=

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 1 FL/-/3/-/-/R/- Scale =.3125"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER 03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9262
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065016
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56728
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - C 16'4" Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

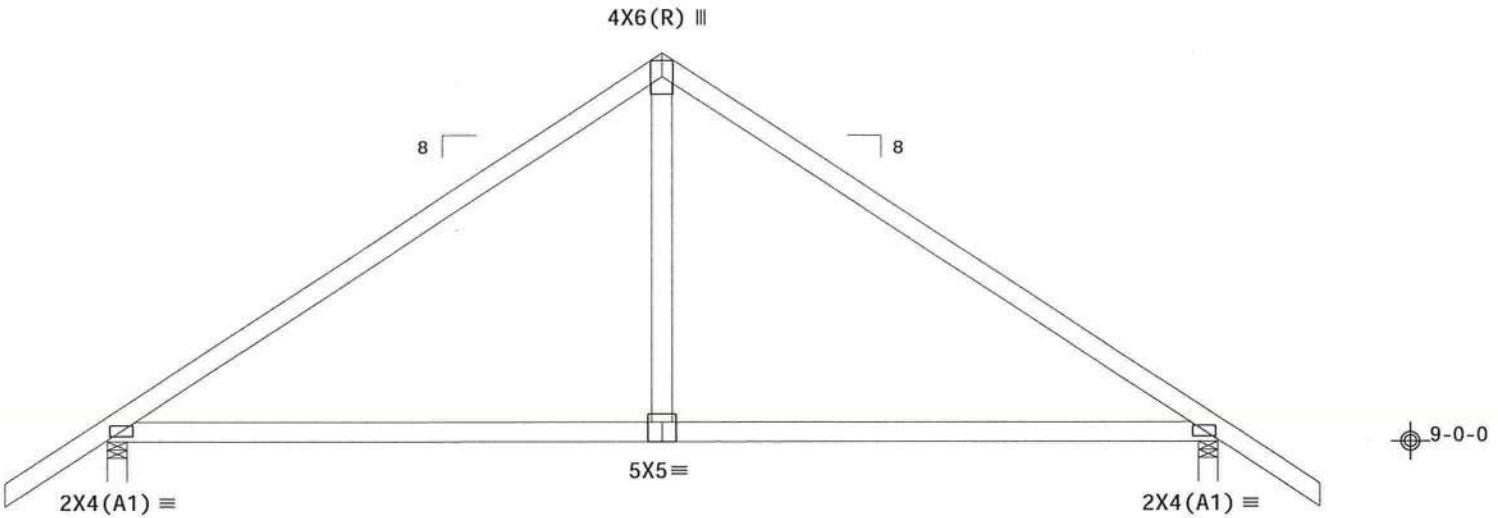
Truss passed check for 20 psf additional bottom chord live load in areas with 42"-high x 24"-wide clearance.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

PLT TYP. Wave | Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) | 10.03.11.0709.19 | QTY 2 | FL/-/3/-/-/R/- | Scale =.375"/Ft.

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

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TC LL	20.0 PSF	REF	R487-- 9263
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065017
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63967
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - CC 6'8" Common)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

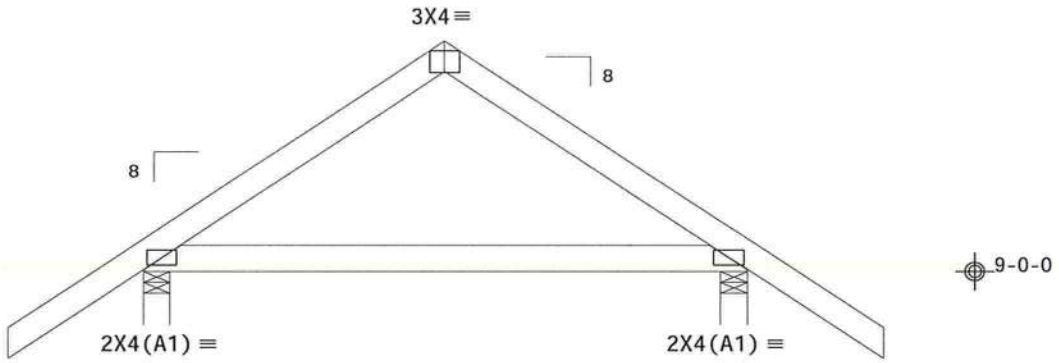
Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=350 U=17 W=3.5"
RL=-66

R=340 U=17 W=3.5"

Design Crit: FBC2010Res/TPI-2007(STD) 10.03.11.0209.19 QTY: 1

PLT TYP. Wave

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

FL/-/3/-/-/R/-

Scale =.5"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9264
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065018
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63906
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

(13-087--Premier Building Hickory Model -- Lake City, FL - CCDG 6'8" Gable)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A
:Stack Chord SC1 2x4 SP_#1_12A::Stack Chord SC2 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

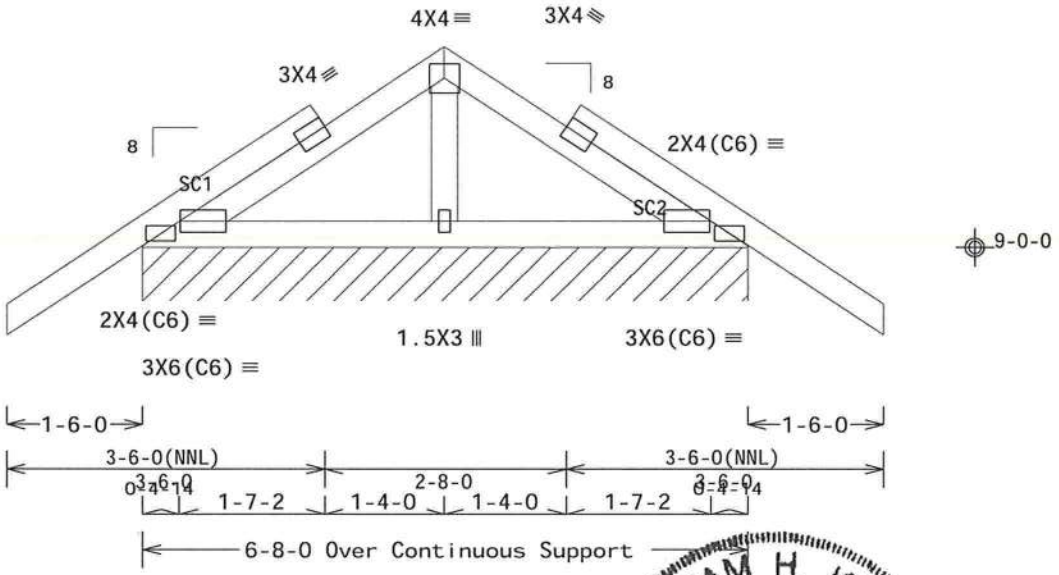
Wind loads and reactions based on MWFRS with additional C&C member design.

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=151 PLF U=5 PLF W=6-8-0
RL=10/-10 PLF

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 1 FL/-/3/-/-/R/- Scale =.5"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9265
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065019
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56724
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - CDG 16'4" Gable)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A
:Stack Chord SC1 2x4 SP_#1_12A::Stack Chord SC2 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

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

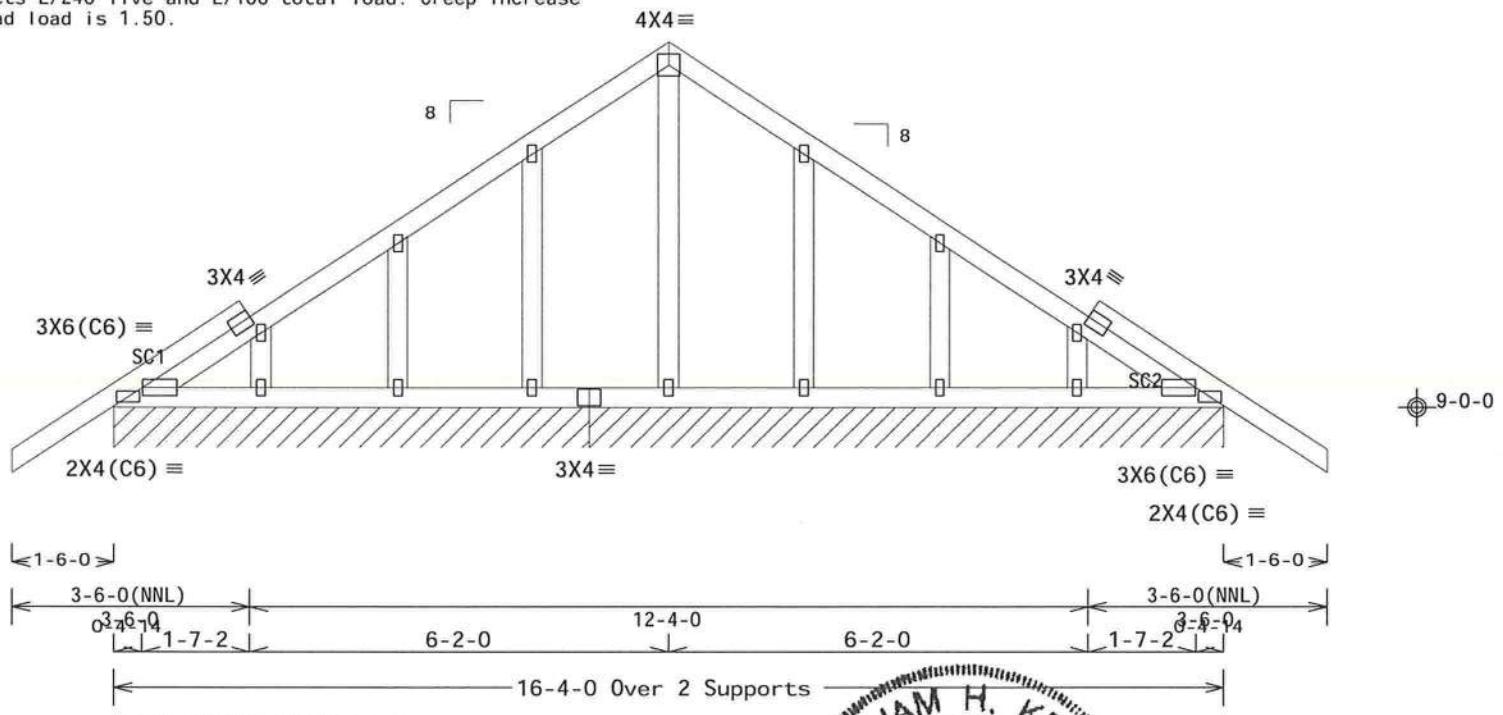
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Gable end supports 8" max rake overhang.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. 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.



Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY 1 FL/-/3/-/-/R/- Scale =.375"/Ft.

WILLIAM H. KRICK LICENSE No.70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9266
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065020
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56720
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - CJ1 1' Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

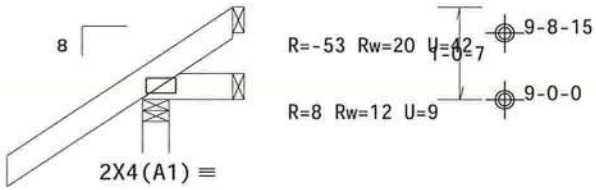
Bottom chord checked for 10.00 psf non-concurrent live load.

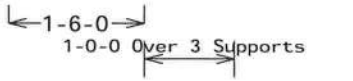
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=234 U=31 W=3.5"
RL=27/-23

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 10.03.11.0209.19 | QTY:6 | FL/-/3/-/-/R/- | Scale =.5"/Ft.

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

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TC LL	20.0 PSF	REF	R487-- 9267
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065021
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56642
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

(13-087--Premier Building Hickory Model -- Lake City, FL - CJ3 3' Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

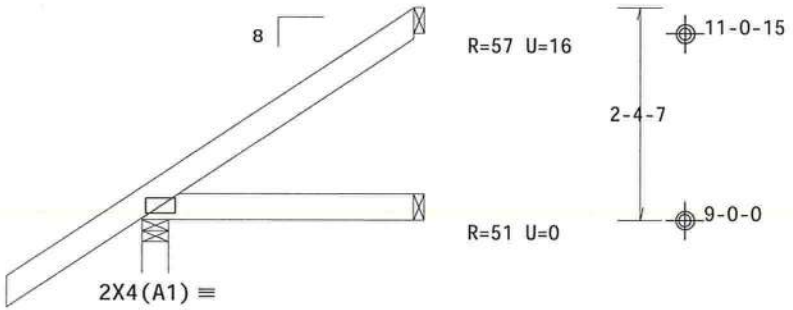
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



R=243 U=8 W=3.5"
RL=49/-30

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 8 FL/-/3/-/-/R/- Scale =.5"/Ft.

03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9268
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065022
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56643
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - CJ5 5' Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

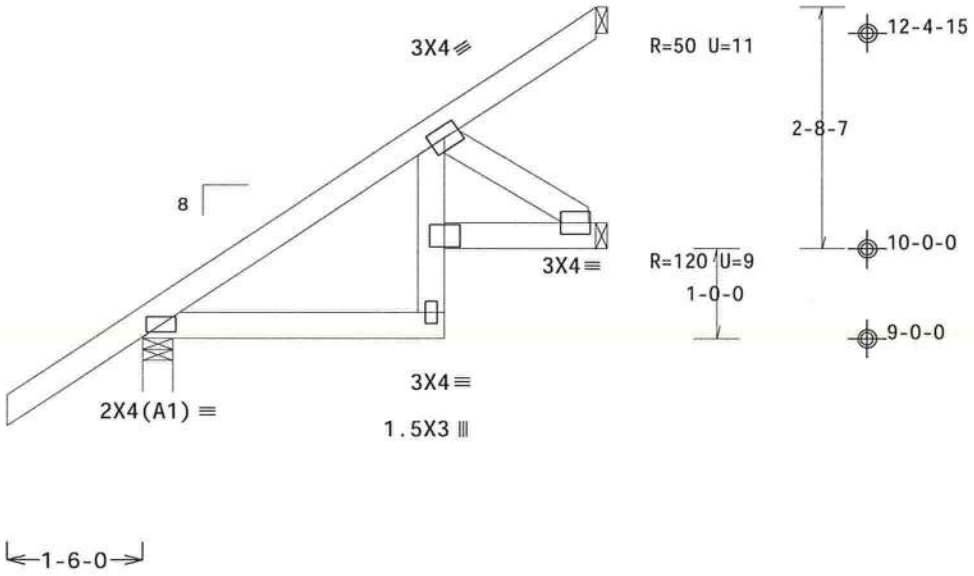
Bottom chord checked for 10.00 psf non-concurrent live load.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

10.03.11.0209.19 QTY: 2 FL/-/3/-/-/R/- Scale =.5"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9269
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065023
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63790
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - D 16' Common)

Top chord 2x4 SP M-30
Bot chord 2x4 SP M-30
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

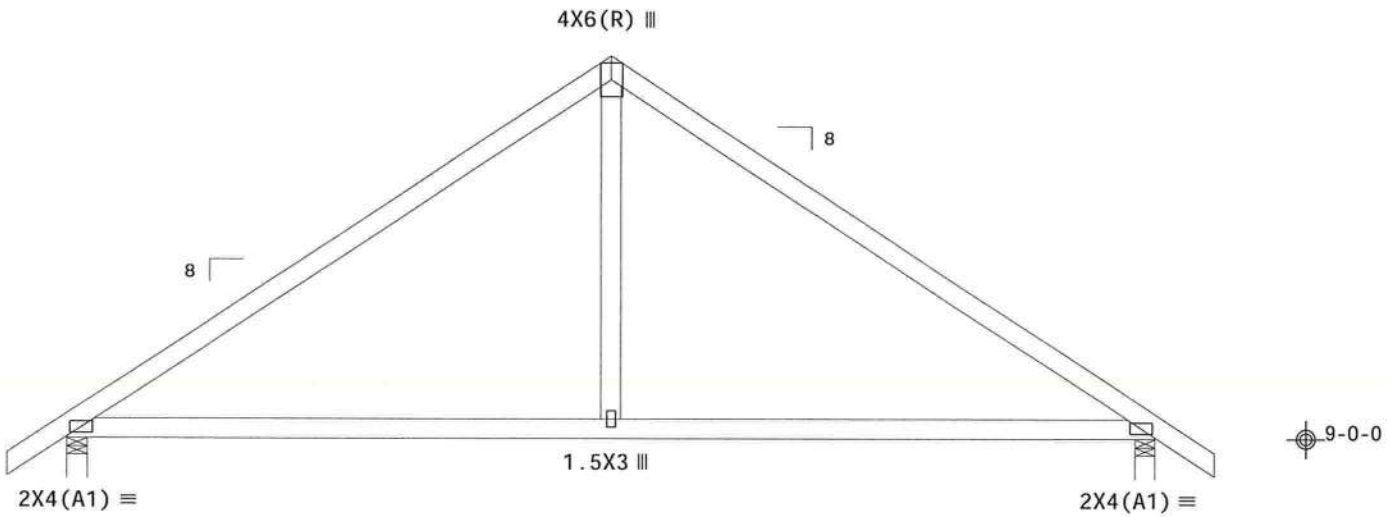
Bottom chord checked for 10.00 psf non-concurrent live load.

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



WILLIAM H. KRUCK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

Design Crit: FBC2010Res/TPI-2007(STD)
PLT TYP. Wave
FT/RT=10%(0%)/0(0)
10.03.11.0209.19
QTY 1
FL/-/3/-/-/R/-
Scale =.375"/Ft.

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

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TC LL	20.0 PSF	REF	R487-- 9270
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065024
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	64008
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - EJ5 5' End Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

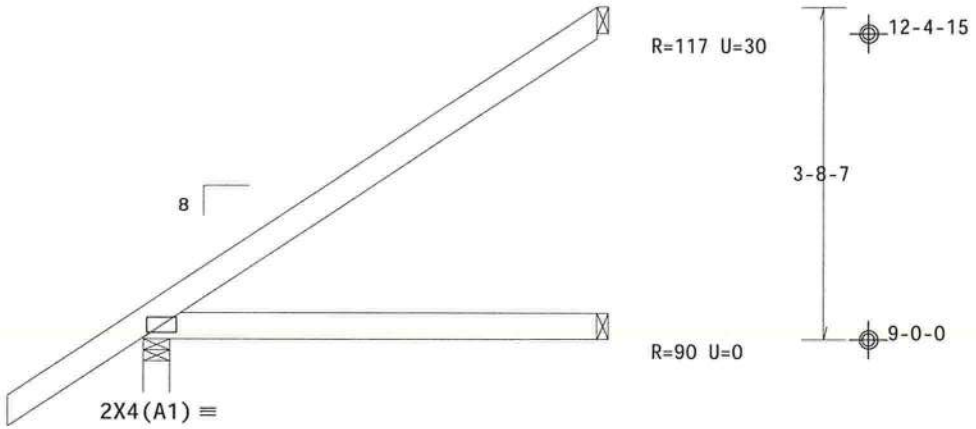
Bottom chord checked for 10.00 psf non-concurrent live load.

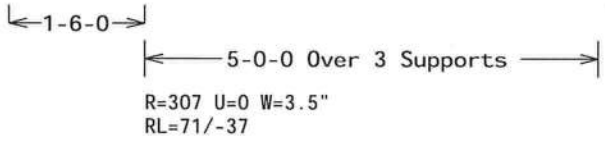
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

10.03.11.0209.19 QTY 4

FL/-/3/-/-/R/-

Scale =.5"/Ft.

PLT TYP. Wave

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

TC LL	20.0 PSF	REF	R487-- 9271
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065025
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	56635
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - EJ7 7' End Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

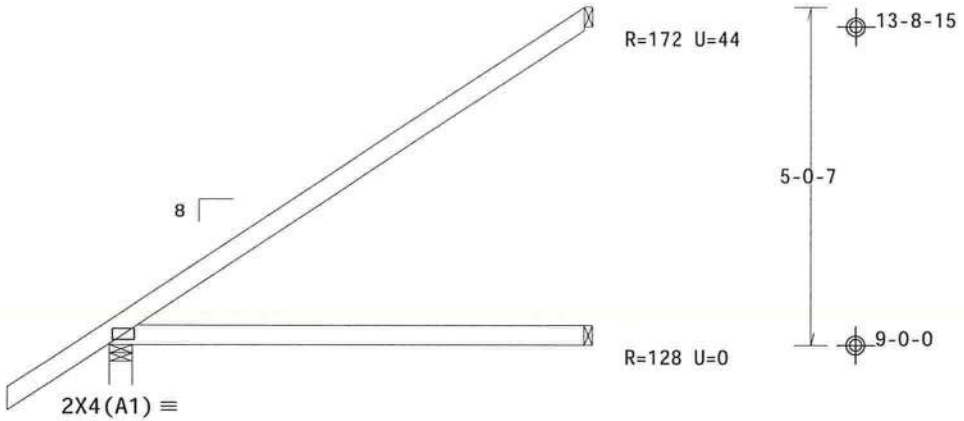
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

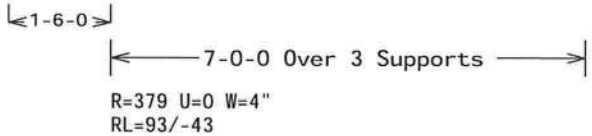
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.





Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 10.03.11.0209.19 | QTY:10 | FL/-/3/-/-/R/- | Scale =.375"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

TC LL	20.0 PSF	REF	R487-- 9272
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065026
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63794
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - EJ7T 7' End Jack)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

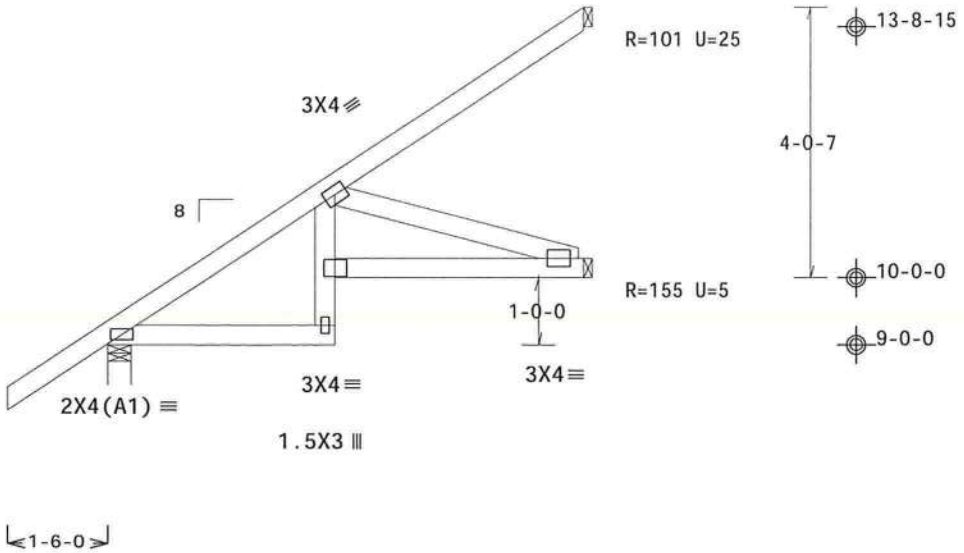
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave FT/RT=10%(0%)/0(0) 10.03.11.0209 19 QTY:3 FL/-/3/-/-/R/- Scale =.375"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9273
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065027
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63789
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - H11A 32'0"2 Special)

Top chord 2x4 SP_#1_12A :T2 2x4 SP M-30:
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A
:W1, W2, W8, W9, W19 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

Calculated horizontal deflection is 0.10" due to live load and 0.25" due to dead load.

Gable end supports 8" max rake overhang.

(a) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

(c) 2x4 #3 or better "L" brace. 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

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

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

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

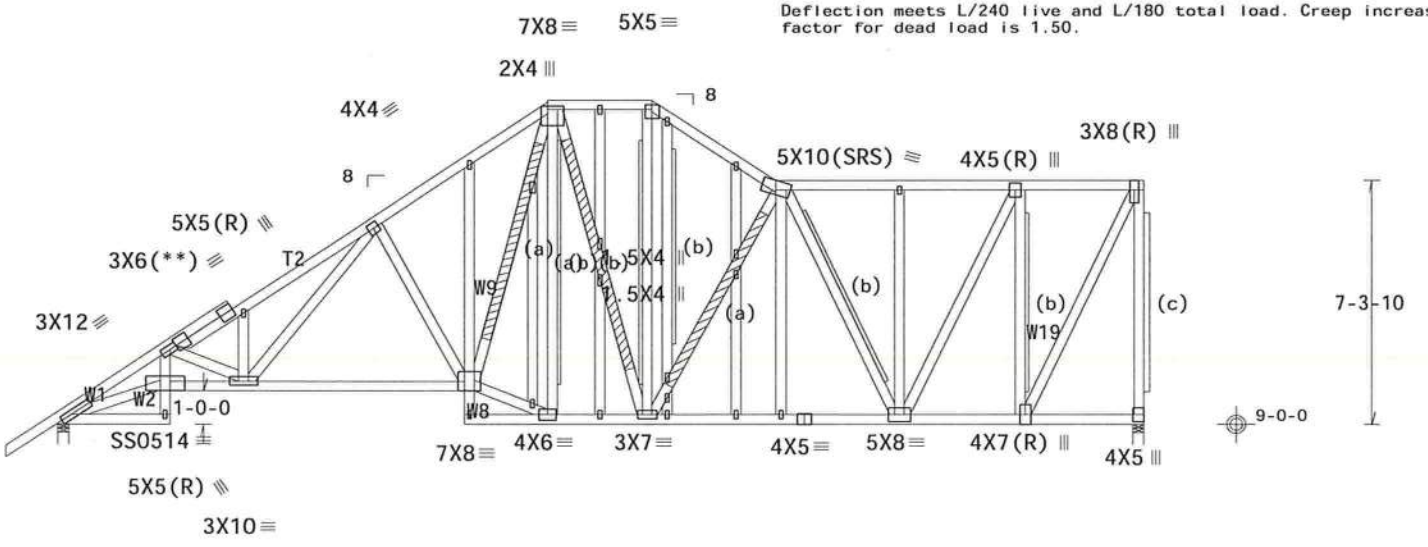
Right end vertical not exposed to wind pressure.

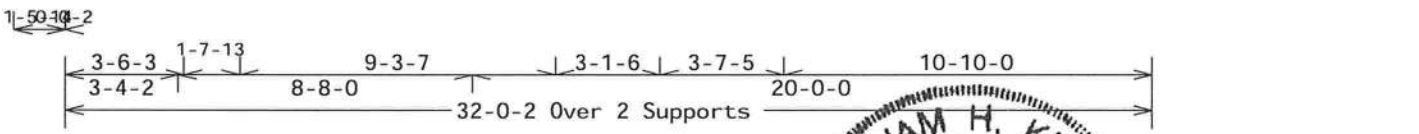
See DWGS A12015ENC100212, GBLLETIN0212, & GABRST100212 for more requirements.

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

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





R=2603 U=34 W=4"
RL=136/-97

R=2753 U=57 W=4"

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. 18 Gauge HS,Wave FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY: 1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

WILLIAM H. KRICK LICENSE No.70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9274
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065028
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63904
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - H5D 16' Stepdown Hip Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

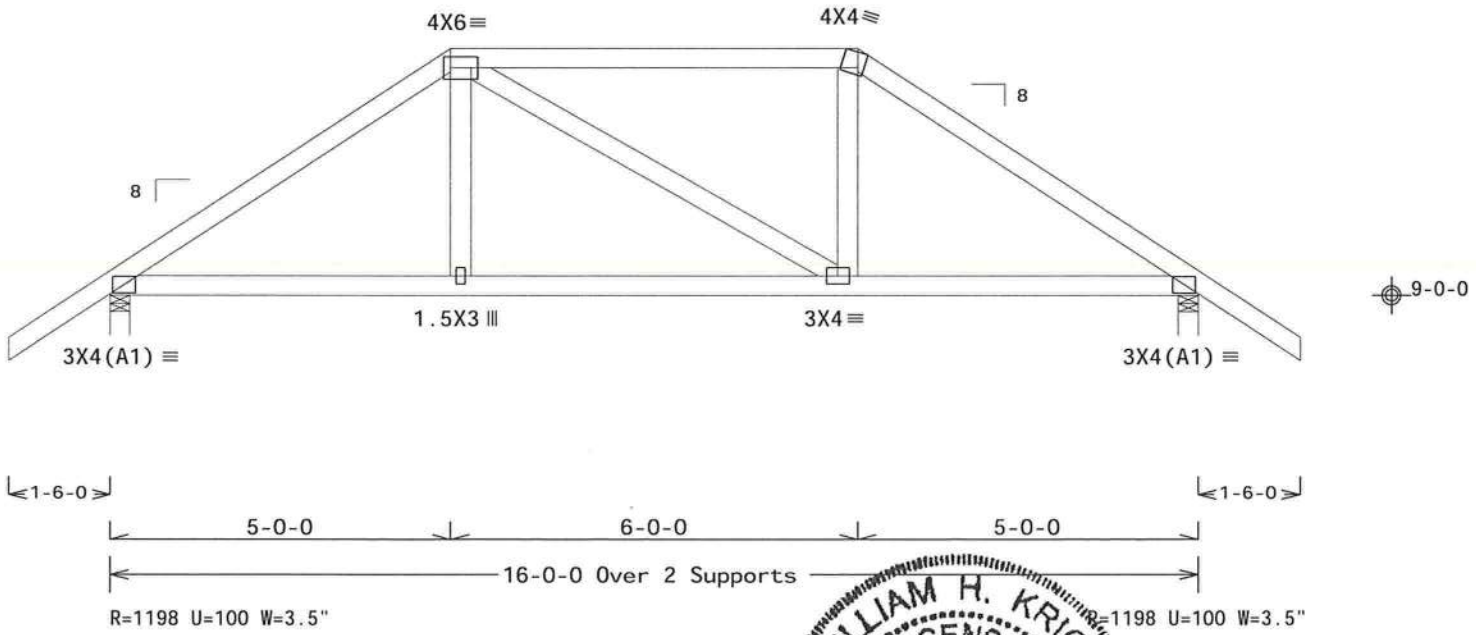
Special loads

------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

TC- From	57 plf at	-1.50 to	57 plf at	5.00
TC- From	28 plf at	5.00 to	28 plf at	11.00
TC- From	57 plf at	11.00 to	57 plf at	17.50
BC- From	5 plf at	-1.50 to	5 plf at	0.00
BC- From	20 plf at	0.00 to	20 plf at	5.05
BC- From	10 plf at	5.05 to	10 plf at	10.95
BC- From	20 plf at	10.95 to	20 plf at	16.00
BC- From	5 plf at	16.00 to	5 plf at	17.50

TC- 182.87 lb Conc. Load at 5.02,10.98
TC- 117.04 lb Conc. Load at 7.06, 8.94
BC- 215.67 lb Conc. Load at 5.02,10.98
BC- 89.84 lb Conc. Load at 7.06, 8.94

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



Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 10.03.11.0209.19 | QTY: 1 | FL/-/3/-/-/R/- | Scale =.375"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

03/06/2013

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

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TC LL	20.0 PSF	REF	R487-- 9275
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065029
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63795
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - H7A 32' Mono Hip Girder)

Top chord 2x6 SP_#2_12A :T1 2x4 SP_#1_12A:
Bot chord 2x4 SP M-30 :B1 2x4 SP_#1_12A:
:B2 2x6 SP_#2_12A:
Webs 2x4 SP_#3__12A :W1, W2, W7, W12 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS.

Calculated horizontal deflection is 0.14" due to live load and 0.18" due to dead 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.

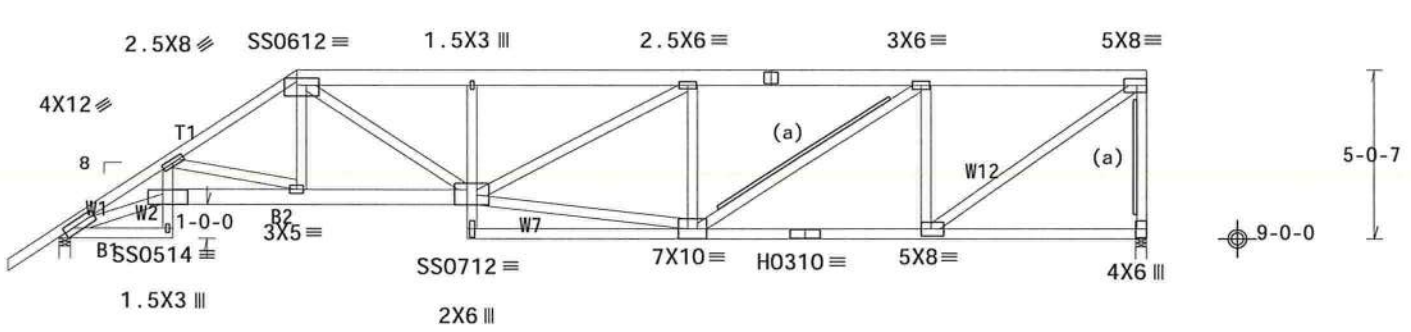
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

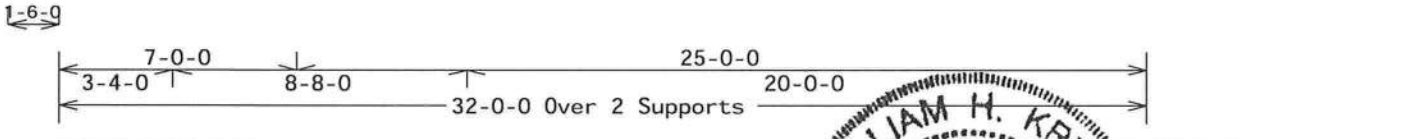
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 57 plf at -1.50 to 57 plf at 7.00
TC- From 28 plf at 7.00 to 28 plf at 21.00
TC- From 28 plf at 21.00 to 28 plf at 32.00
BC- From 5 plf at -1.50 to 5 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 3.33
BC- From 20 plf at 3.33 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 12.00
BC- From 10 plf at 12.00 to 10 plf at 22.00
BC- From 10 plf at 22.00 to 10 plf at 32.00
TC- 155.99 lb Conc. Load at 7.02
TC- 100.90 lb Conc. Load at 9.06,11.06
TC- 171.85 lb Conc. Load at 13.06,15.06,17.06,19.06 21.06,23.06,25.06,27.06,29.06,31.06
BC- 445.56 lb Conc. Load at 7.03
BC- 155.26 lb Conc. Load at 9.06,11.06
BC- 128.35 lb Conc. Load at 13.06,15.06,17.06,19.06 21.06,23.06,25.06,27.06,29.06,31.06

Right end vertical not exposed to wind pressure.

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





PLT TYP. 20 Gauge HS,18 Gauge HS, Wave Design Crit: FBC2010Res/TPI-2007(STD) FT/RT=10%(0%)/0(0) 10.03.11.0209.19 QTY 1 FL/-/3/-/-/R/- Scale =.1875"/Ft.

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

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WILLIAM H. KRUCK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

TC LL	20.0 PSF	REF	R487-- 9276
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065030
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63846
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - H7D 16' Stepdown Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

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

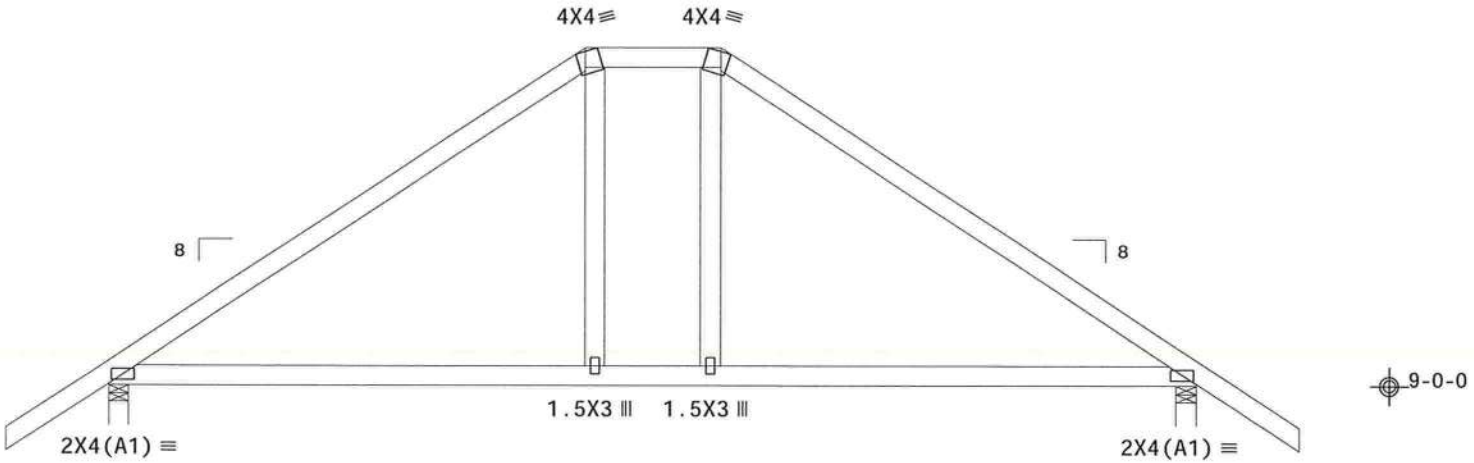
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 4.50 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

Wind loads and reactions based on MWFRS with additional C&C member design.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



PLT TYP. Wave

Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)

10.03.11.0209.19 *QTY* 1

FL/-/3/-/-/R/-

Scale =.375"/Ft.

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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TC LL	20.0 PSF	REF	R487-- 9277
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065031
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	64012
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - H9A 32' Mono Hip)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#3__12A :W2 2x4 SP_#1_12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

(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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

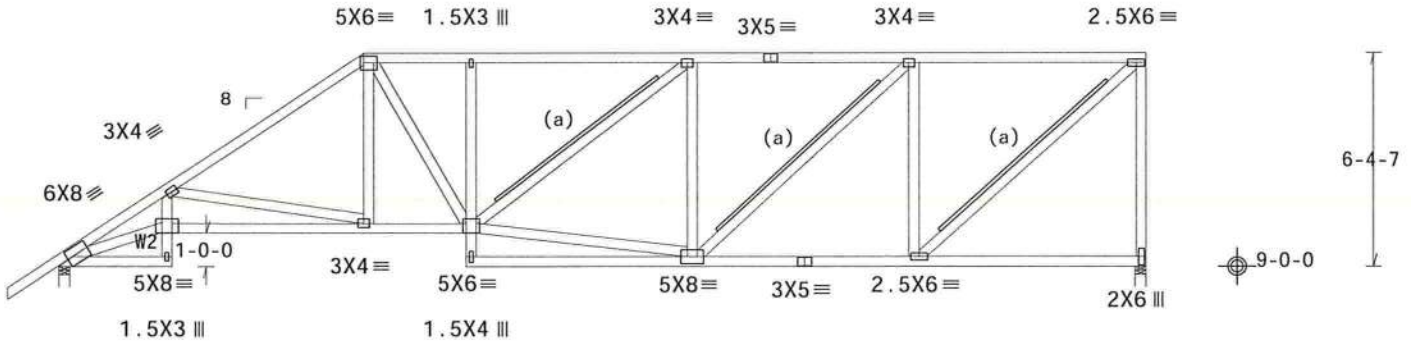
120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

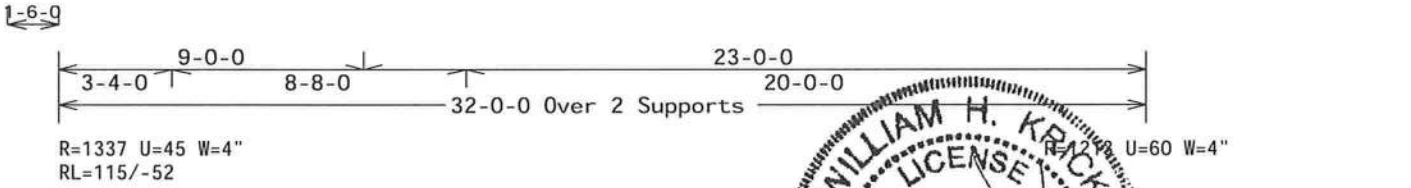
Wind loads and reactions based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

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

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





Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave

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

10.03.11.0209.19

QTY: 1

FL/-/3/-/-/R/-

Scale =.1875"/Ft.

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

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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

TC LL	20.0 PSF	REF	R487-- 9278
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065032
BC LL	0.0 PSF	HC-ENG	WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63808
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - HJ5 7'0"14 Hip Jack Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, Located anywhere in roof, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

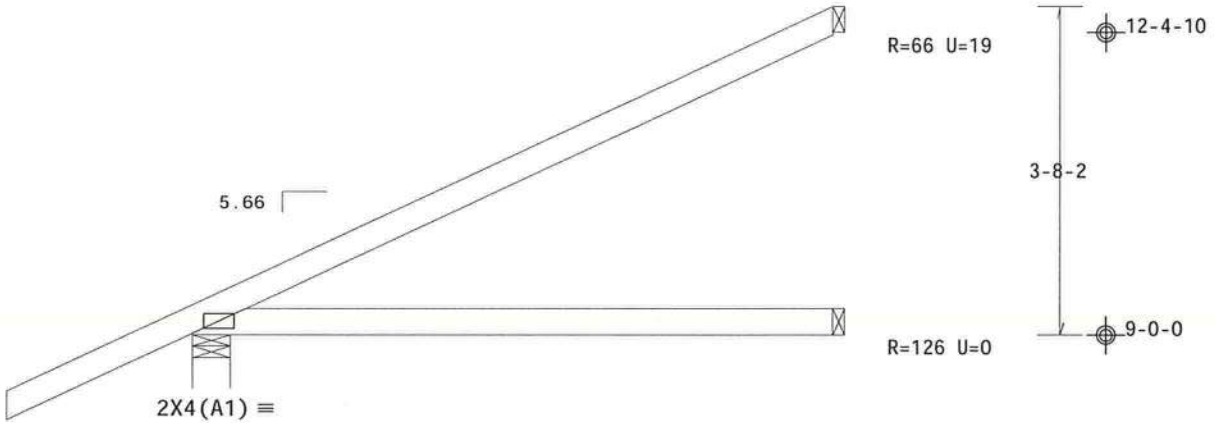
Wind loads and reactions based on MWFRS.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -2.06 to 55 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 7.07
BC- From 0 plf at -2.06 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 7.07
TC- -37.45 lb Conc. Load at 1.48
TC- 113.38 lb Conc. Load at 4.31
BC- 16.53 lb Conc. Load at 1.48
BC- 101.19 lb Conc. Load at 4.31

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

Design Crit: FBC2010Res/TPI-2007(STD)

PLT TYP. Wave | FT/RT=10%(0%)/0(0) | 10.03.11.0809.19 | QTY-2 | FL/-/3/-/-/R/- | Scale =.5"/Ft.

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

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TC LL	20.0 PSF	REF	R487-- 9279
TC DL	7.0 PSF	DATE	03/06/13
BC DL	10.0 PSF	DRW	HCUSR487 13065033
BC LL	0.0 PSF		HC-ENG WHK/WHK
TOT.LD.	37.0 PSF	SEQN-	63791
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1UUB487_Z02

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

(13-087--Premier Building Hickory Model -- Lake City, FL - HJ7 9'10"13 Hip Jack Girder)

Top chord 2x4 SP_#1_12A
Bot chord 2x4 SP_#1_12A
Webs 2x4 SP_#1_12A :W2 2x4 SP_#3__12A:

Lumber grades designated with "12A" use design values approved 1/5/2012 by ALSC.

120 mph wind, 15.00 ft mean hgt, ASCE 7-10, CLOSED bldg, not located within 9.00 ft from roof edge, RISK CAT II, EXP B, wind TC DL=3.5 psf, wind BC DL=5.0 psf. GCpi(+/-)=0.18

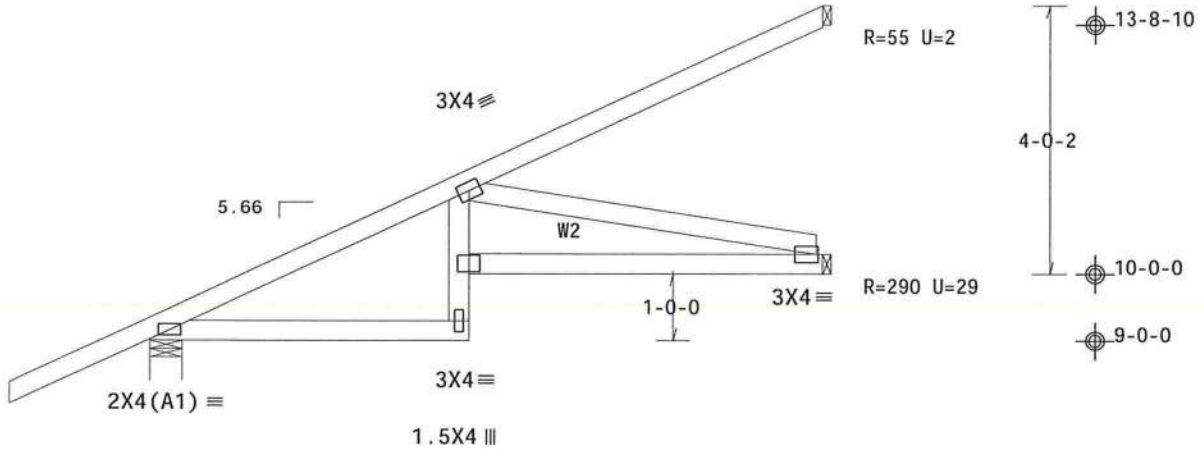
Wind loads and reactions based on MWFRS.

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

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

Special loads
------(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 0 plf at -2.06 to 55 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 9.90
BC- From 0 plf at -2.06 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 4.71
BC- From 2 plf at 4.71 to 2 plf at 9.90
TC- -37.45 lb Conc. Load at 1.48
TC- 113.38 lb Conc. Load at 4.31
TC- 99.31 lb Conc. Load at 7.13
BC- 16.53 lb Conc. Load at 1.48
BC- 101.19 lb Conc. Load at 4.31
BC- 239.17 lb Conc. Load at 7.13

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: FBC2010Res/TPI-2007(STD)
FT/RT=10%(0%)/0(0)
10.03.11.0209.19
0TYP.

PLT TYP. Wave

FL/-/3/-/-/R/-

Scale =.375"/Ft.

TC LL	20.0 PSF
TC DL	7.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	37.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R487-- 9280
DATE	03/06/13
DRW	HCUSR487 13065034
HC-ENG	WHK/WHK
SEQN-	63797
JREF-	1UUB487_Z02

WILLIAM H. KRICK LICENSE No.70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

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

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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.

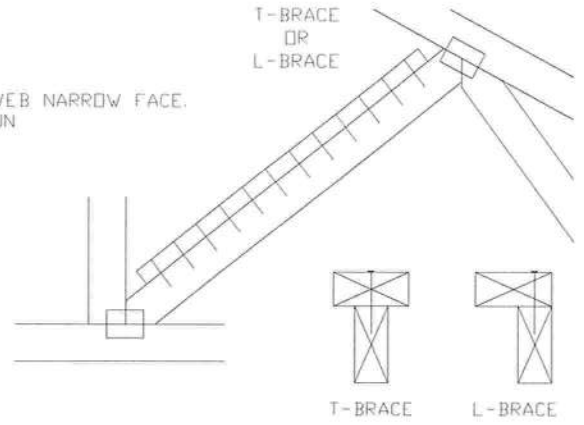
WEB MEMBER SIZE	SPECIFIED CLB BRACING	ALTERNATIVE BRACING T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

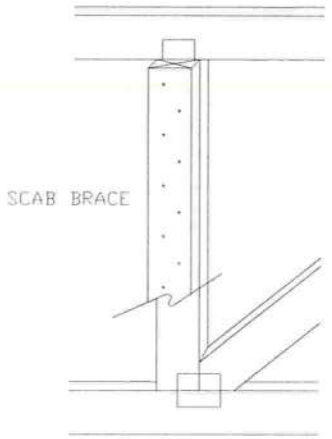
T-BRACING OR L-BRACING:

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



WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

Mar 06 '13

Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to [illegible] Follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs [illegible] bracing installed per BCSI sections B3 & B7. See this job's general notes page for more information.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 37/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

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

Gable Stud Reinforcement Detail

ASCE 7-10: 120 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Partially Enclosed, Exposure C, Kzt = 1.00

Or: 100 mph Wind Speed, 15' Mean Height, Enclosed, Exposure D, Kzt = 1.00

Max Gable Vertical Length

2x4 Gable Vertical Spacing	Species	Brace Grade	No Braces	(1) 1x4 "L" Brace *		(1) 2x4 "L" Brace *		(2) 2x4 "L" Brace **		(1) 2x6 "L" Brace *		(2) 2x6 "L" Brace **	
				Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B	Group A	Group B
24" o.c.	SPF HF	#1 / #2	4' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 7"	7' 9"	8' 3"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 7"	8' 1"	8' 4"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 7"	8' 1"	8' 4"	9' 7"	9' 11"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	4' 11"	8' 3"	8' 7"	9' 9"	10' 1"	11' 7"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	4' 10"	8' 2"	8' 6"	9' 8"	10' 1"	11' 6"	12' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	4' 7"	6' 11"	7' 4"	9' 3"	9' 10"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	4' 7"	6' 11"	7' 4"	9' 3"	9' 10"	11' 5"	11' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	4' 7"	6' 0"	6' 4"	8' 0"	8' 6"	10' 10"	11' 7"	12' 6"	13' 5"	14' 0"	14' 0"
16" o.c.	SPF HF	#1 / #2	5' 6"	9' 5"	9' 9"	11' 1"	11' 6"	13' 2"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 3"	9' 3"	9' 9"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 3"	9' 3"	9' 7"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	5' 8"	9' 5"	9' 10"	11' 2"	11' 7"	13' 3"	13' 10"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	5' 6"	9' 5"	9' 9"	11' 1"	11' 6"	13' 2"	13' 9"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 3"	8' 6"	9' 0"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 3"	8' 6"	9' 0"	10' 11"	11' 4"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 3"	7' 4"	7' 10"	9' 9"	10' 5"	13' 0"	13' 7"	14' 0"	14' 0"	14' 0"	14' 0"
12" o.c.	SPF HF	#1 / #2	6' 1"	10' 4"	10' 8"	12' 2"	12' 8"	13' 2"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 9"	10' 2"	10' 7"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
	SP DFL	#1	6' 2"	10' 5"	10' 9"	12' 3"	12' 9"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#2	6' 1"	10' 4"	10' 8"	12' 2"	12' 8"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		#3	5' 9"	9' 9"	10' 5"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Stud	5' 9"	9' 9"	10' 5"	12' 0"	12' 6"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"
		Standard	5' 9"	8' 6"	9' 0"	11' 3"	12' 1"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"	14' 0"

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir	
#1 / #2	Standard
#3	Stud

Hem-Fir	
#2	Stud
#3	Standard

Douglas Fir-Larch
#3
Stud
Standard

Southern Pine***
#3
Stud
Standard

Group B:

Hem-Fir
#1 & Btr
#1

Douglas Fir-Larch
#1
#2

Southern Pine***
#1
#2

1x4 Braces shall be SRB (Stress-Rated Board)

***For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is L/240

Provide uplift connections for 35 plf over continuous bearing (5 psf TC Dead Load)

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

So. Pine lumber design values based on the ALSC January, 2012 rulin

Attach "L" braces with 10d (0.128"x3.0" min) nails.

* For (1) "L" brace: space nails at 2" o.c. in 18" end zones and 4" o.c. between zones.

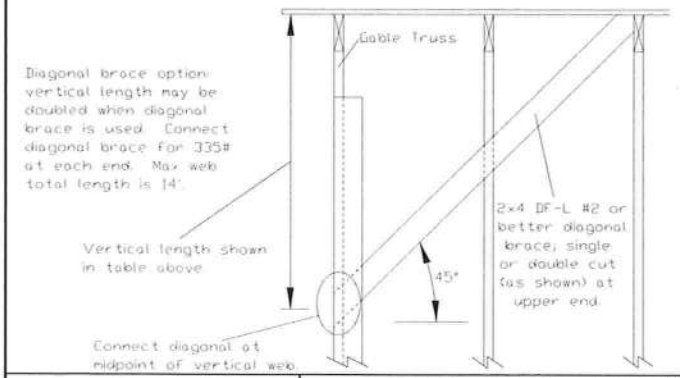
**For (2) "L" braces: space nails at 3" o.c. in 18" end zones and 6" o.c. between zones.

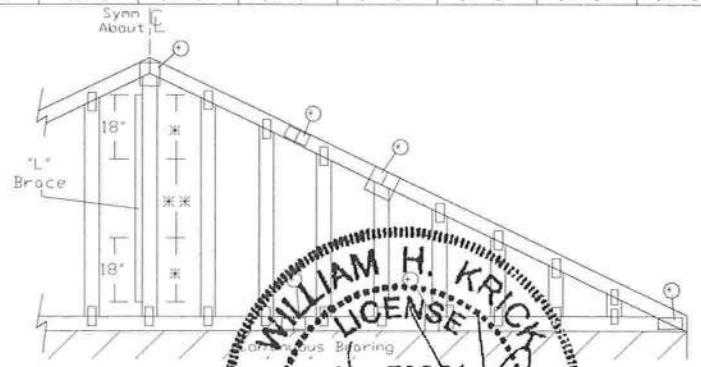
"L" bracing must be a minimum of 80% of web member length.

Gable Vertical Plate Sizes	
Vertical Length	No Splice
Less than 4' 0"	1X4 or 2X3
Greater than 4' 0", but less than 11' 6"	2X4
Greather than 11' 6"	2.5X4

* Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.





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WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER

03/06/2013

Mar 06 '13

Building Components Group Inc.

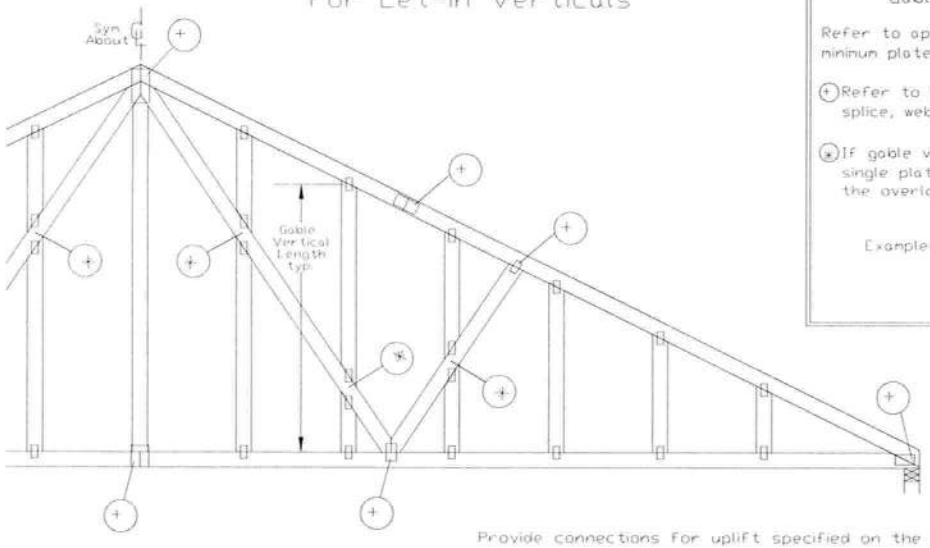
Earth City, MO 63045

MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF	ASCE7-10-GAB12015
DATE	2/14/12
DRWG	A12015ENC100212

Gable Detail
For Let-in Verticals



Gable Truss Plate Sizes

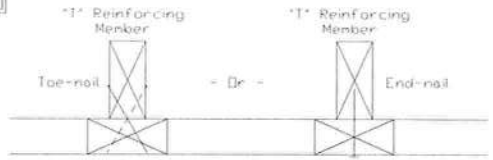
Refer to appropriate ITW gable detail for mininum plate sizes for vertical studs.

(+) Refer to Engineered truss design for peak, splice, web, and heel plates.

(*) If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.

Example: 2X4 2X4 2X8

"T" Reinforcement Attachment Detail

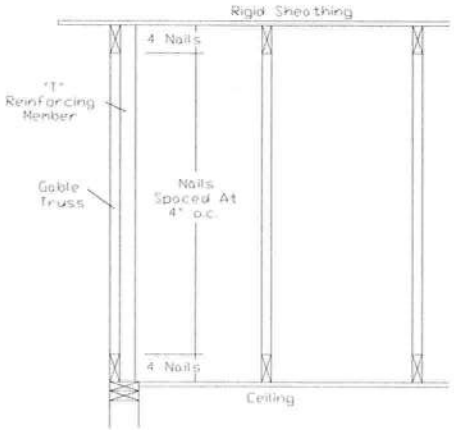


Provide connections for uplift specified on the engineered truss design.

Attach each "T" reinforcing member with

End Driven Nails:
10d Common (0.148"x 3",min) Nails at 4" o.c. plus
(4) nails in the top and bottom chords.

Toenailed Nails:
10d Common (0.148"x3",min) Toenails at 4" o.c. plus
(4) toenails in the top and bottom chords.



This detail to be used with the appropriate ITW gable detail for ASCE wind load.

ASCE 7-98 Gable Detail Drawings
A13015980109, A12015980109, A11015980109, A10015980109,
A13030980109, A12030980109, A11030980109, A10030980109

ASCE 7-02 Gable Detail Drawings
A13015020109, A12015020109, A11015020109, A10015020109, A14015020109,
A13030020109, A12030020109, A11030020109, A10030020109, A14030020109

ASCE 7-05 Gable Detail Drawings
A13015050109, A12015050109, A11015050109, A10015050109, A14015050109,
A13030050109, A12030050109, A11030050109, A10030050109, A14030050109

ASCE 7-10 Gable Detail Drawings
A11515ENC100212, A12015ENC100212, A14015ENC100212, A10015ENC100212,
A18015ENC100212, A20015ENC100212, A20015ENC100212, A16030ENC100212,
A11530ENC100212, A12030ENC100212, A14030ENC100212, A16030ENC100212,
A18030ENC100212, A20030ENC100212, A20030ENC100212, A20030ENC100212

See appropriate ITW gable detail for maximum use of reinforced gable vertical length.

To convert from "L" to "T" reinforcing members, multiply "T" increase by length (based on appropriate ITW gable detail).

Maximum allowable "T" reinforced gable vertical length is 14' from top to bottom chord.

"T" reinforcing member material must match size, specie, and grade of the "L" reinforcing member.

Web Length Increase w/ "T" Brace

"T" Reinf. Mbr. Size	"T" Increase
2x4	30 %
2x6	20 %

Example:
ASCE 7-10 Wind Speed = 120 mph
Mean Roof Height = 30 Ft, Kzt = 1.00
Gable Vertical = 24"o.c. SP #3
"T" Reinforcing Member Size = 2x4
"T" Brace Increase (From Above) = 30% = 1.30
(1) 2x4 "L" Brace Length = 8' 7"
Maximum "T" Reinforced Gable Vertical Length
1.30 x 8' 7" = 11' 2"

WILLIAM H. KRICK LICENSE No. 70861 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/06/2013

Mar 06 '13

ITW Building Components Group Inc.

Earth City, MO 63045

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ITWBCG: www.itwbcg.com; TPI: www.tpinst.org; WTCA: www.sbcindustry.org; ICC: www.iccsafe.or

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

REF LET-IN VERT
DATE 2/16/12
DRWG GBLLETIN0212

ASCE 7-10: 120 mph, 30' Mean Height, Closed, Exposure C
Common Residential Gable End Wind Bracing Requirements - Stiffeners

120 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp C, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Enclosed, Exp D, or
100 mph, 30ft. Mean Hgt, ASCE 7-10, Part. Enclosed, Exp C,
Kzt = 1.00, Wind TC DL=5.0 psf, Wind BC DL=5.0 psf.

Lateral chord bracing requirements
Top: Continuous roof sheathing
Bot: Continuous ceiling diaphragm

See Engineer's sealed design referencing this detail for lumber, plates, and other information not shown on this detail.

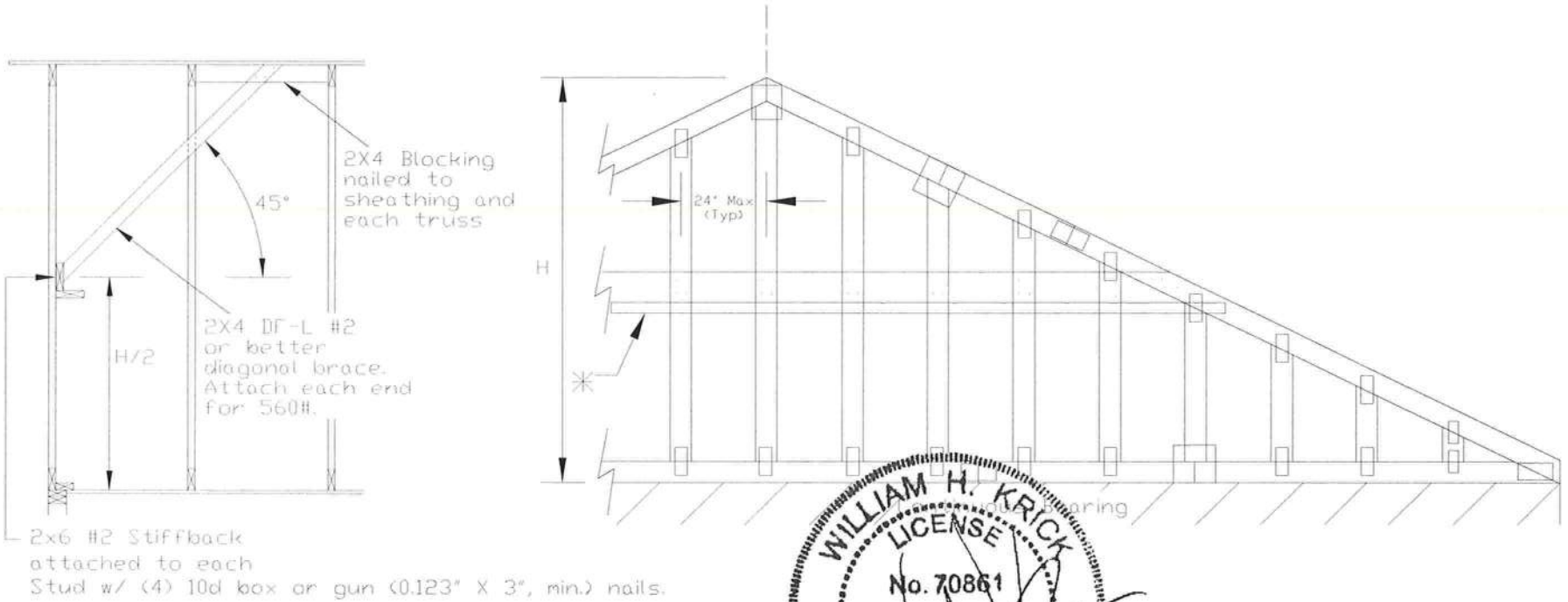
Nails: 10d box or gun (0.128"x3",min) nails.

H Less than 4'6" - no stud bracing required

H Greater than 4'6" to 7'6" in length
provide a 2x6 stiffback at mid-height and brace stiffback to roof diaphragm every 6'0" (see detail below or refer to DRWG A12030ENC10).

H Greater than 7'6" to 12'0" max:
provide a 2x6 stiffback at mid-height and brace to roof diaphragm every 4'0" (see detail below or refer to DRWG A12030ENC10).

✳ Optional 2x L-reinforcement attached to stiffback with 10d box or gun (0.128" x 3", min.) nails @ 6" o.c.



WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/06/2013

Building Components Group Inc.

Earth City, MO 63045

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Mar 06 '13

MAX. TOT. L.D. 60 PSF

MAX. SPACING

REF GE WHALER
DATE 2/14/12
DRWG GABRST100212

NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH,GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN
A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
C - END DISTANCE (15 NAIL DIAMETERS)

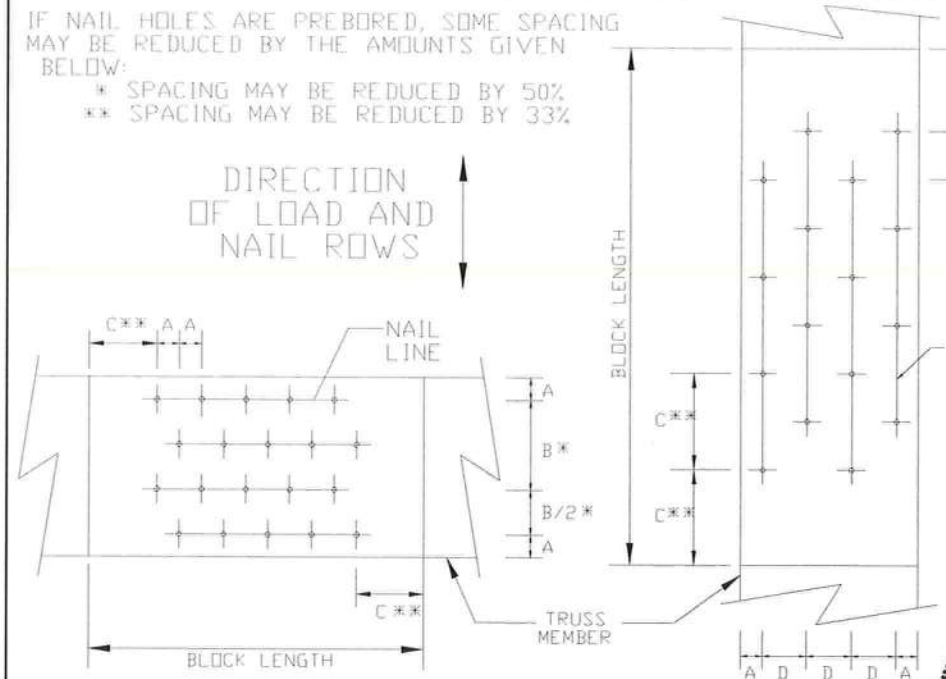
LOAD PARALLEL TO GRAIN
A - EDGE DISTANCE (6 NAIL DIAMETERS)
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)
D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW:
* SPACING MAY BE REDUCED BY 50%
** SPACING MAY BE REDUCED BY 33%

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES A	B*	C**	D
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"	7/8"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"	1"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"	1"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"	1 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"	1 1/8"
16d COMMON (0.162"X 3.5",MIN)	1'	2"	2 1/2"	1 1/4"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"	1"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"	1"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"	1"

DIRECTION OF LOAD AND NAIL ROWS



LOAD APPLIED PERPENDICULAR TO GRAIN

LOAD APPLIED PARALLEL TO GRAIN

WILLIAM H. KRICK
LICENSE
No. 70861
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/06/2013

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TW
Building Components Group Inc.

Earth City, MO 63045

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow BCSI (Building Component Safety Information, by TPI and WTCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3 & B7. See this job's general notes page for more info.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any failure to build the truss in conformance with TPI, or fabricating, handling, shipping, installing & bracing of trusses. ITWBCG connector plates are made of 20/18/16GA (W,H/S/K) ASTM A653 grade 33/40/60 (K/W/H,S) galv. steel. Apply plates to each face of truss, positioned as shown above and on Joint Details.
A seal on this drawing or cover page indicates acceptance and professional engineering responsibility solely for the truss component design shown. The suitability and use of this component for any building is the responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.
ITW-BCG: www.itwbcg.com; TPI: www.tpinst.com; WTCA: www.sbcindustry.com; ICC: www.iccsafe.org

REF	NAIL SPACE
DATE	1/1/09
DRWG	CNNAILSP0109