

DATE 11/05/2010

Columbia County Building Permit

This Permit Must Be Prominently Posted on Premises During Construction

PERMIT

000028987

APPLICANT BRYAN ZECHER PHONE 752-8653
ADDRESS 465 NW ORANGE ST LAKE CITY FL 32055
OWNER DEMETRIC JACKSON PHONE _____
ADDRESS 172 SW PLYMOUTH AVE FORT WHITE FL 32038
CONTRACTOR BRYAN ZECHER PHONE 752-8653
LOCATION OF PROPERTY 47 S, R 27, L JORDAN, GO TO 2ND LEFT ON PLYMOTH,
3RD LOT ON RIGHT
TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 148300.00
HEATED FLOOR AREA 2214.00 TOTAL AREA 2966.00 HEIGHT 20.00 STORIES 1
FOUNDATION CONCRETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
LAND USE & ZONING FT WHITE MAX. HEIGHT _____
Minimum Set Back Requirments: STREET-FRONT REAR SIDE
NO. EX.D.U. 0 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 33-6S-16-14309-007 SUBDIVISION FT WHITE
LOT _____ BLOCK D PHASE _____ UNIT _____ TOTAL ACRES 1.00

CBC054575

Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number _____ Applicant/Owner/Contractor _____
FW WAIVER 10-0487-N FW TC N
Driveway Connection _____ Septic Tank Number _____ LU & Zoning checked by _____ Approved for Issuance _____ New Resident _____

COMMENTS: FLOOR ONE FOOT ABOVE THE ROAD

NOC ON FILE

FORT WHITE APPROVAL LETTER AND CULVERT WAIVER ON FILE Check # or Cash 2460

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

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

BUILDING PERMIT FEE \$ 745.00 CERTIFICATION FEE \$ 14.83 SURCHARGE FEE \$ 14.83
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ _____ FIRE FEE \$ 0.00 WASTE FEE \$ _____
FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ _____ CULVERT FEE \$ _____ TOTAL FEE 774.66
INSPECTORS OFFICE [Signature] CLERKS OFFICE CH

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

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

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

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

Notice of Treatment

Applicator: Florida Pest Control & Chemical Co. (www.flapest.com)

Address: 536 SE BAY AVE

City: LAKE CH

Phone: 752 1703

Site Location: Subdivision _____

Lot # _____

Block # D

Permit # 28987

Address 172 SW Plymouth Ave Ft White

<u>Product used</u>	<u>Active Ingredient</u>	<u>% Concentration</u>
☒ Premise	Imidacloprid	0.1%
☐ Termidor	Fipronil	0.12%
☐ Bora-Care	Disodium Octaborate Tetrahydrate	23.0%

Type treatment:

☒ Soil

☐ Wood

<u>Area Treated</u>	<u>Square feet</u>	<u>Linear feet</u>	<u>Gallons Applied</u>
<u>Dwelling including</u>	<u>2966</u>	<u>257</u>	<u>250</u>
<u>Exterior</u>			

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

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

11/29/10

Date

0800

Time

James Parker

Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

©

SUBCONTRACTOR VERIFICATION FORM

Permit

NUMBER 28987 CONTRACTOR Bryan Zeinel PHONE 752.8653

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

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

ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name <u>Glenn J Jones Inc</u> License #: <u>CAC051486</u>	Signature <u>[Signature]</u> Phone #: <u>386-752-5389</u>
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

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

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

COLUMBIA COUNTY OFFICE OF OCCUPANCY

COLUMBIA COUNTY, FLORIDA

Department of Building and Zoning Inspection

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

Parcel Number 33-6S-16-14309-007

Building permit No. 000028987

Use Classification SFD, UTILITY

Fire: 38.52

Permit Holder BRYAN ZECHE

Waste:

Owner of Building DEMETRIC JACKSON

Total: 38.52

Location: 172 SW PLYMOUTH AVENUE, FT. WHITE, FL 32038

Date: 04/11/2011

Shay Cu

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



~~"Flagged"~~ * MUST REPORT TO THE CITY WHITE PUBLIC WORKS DEPT (Drainage) *
ok - warn in file 11-5-10 Edmund Hudson Permit
Columbia County Building Permit Application
Ck# 2460

For Office Use Only Application # 1010-53 Date Received 10/29 By JW Permit # 28987
Zoning Official BLK Date 04.11.10 Flood Zone X Land Use Ft. White Zoning Ft. White
FEMA Map # _____ Elevation _____ MFE 1' above River _____ Plans Examiner T.C. Date 11-1-10
Comments Ft. White
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☒ Letter of Auth. from Contractor ☒ FW Comp. letter
IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
School _____ = TOTAL Suspended ☒ VF

Septic Permit No. 10-0487-N Fax 758-8920

Name Authorized Person Signing Permit Bryan Zecher Phone 386-752-8653

Address 465 NW Orange St, Lake City, FL 32055

Owners Name Demetric Jackson Phone _____

911 Address 172 SW Plymouth Ave, Ft. White, FL 32038

Contractors Name Bryan Zecher Phone 386-752-8653

Address 465 NW Orange St, Lake City FL 32054

Fee Simple Owner Name & Address _____

Bonding Co. Name & Address _____

Architect/Engineer Name & Address Arthur Rubenborg Home/ Mark Disway PO Box 868, CC, FL

Mortgage Lenders Name & Address First Federal

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

Property ID Number 00-00-00-14309-007 Estimated Cost of Construction \$196,000

Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____

Driving Directions US 47 to Ft White, T/R on SR 27, go about 1/2 mile T/L on Jordan, go to 2nd left Plymouth, house on right.
Number of Existing Dwellings on Property 0

Construction of New Residence Total Acreage 1 Lot Size _____

you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 20'

Distance of Structure from Property Lines - Front 40' Side 60' Side 60' Rear 100'

of Stories 1 Heated Floor Area 2214 Total Floor Area 2966 Roof Pitch 12/6

is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or as commenced prior to the issuance of a permit and that all work be performed to meet the standards regulating construction in this jurisdiction. CODE: Florida Building Code 2007 with 2009 Supplements and National Electrical Code. Page 1 of 2 (Both Pages must be submitted together.) Revised 6-19-09

JW left a message for Bryan/Wendy 11.4.10

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.

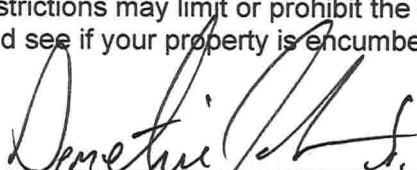
FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment: According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor 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 COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

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

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



Owners Signature

(Owners Must Sign All Applications Before Permit Issuance.)

****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.

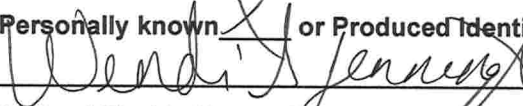


Contractor's Signature (Permittee)

Contractor's License Number CBC 054575
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 27 day of October 2010.

Personally known X or Produced Identification _____



State of Florida Notary Signature (For the Contractor)

SEAL:



Wendi S. Jennings
COMMISSION # EEO06938
EXPIRES: JULY 07, 2014
WWW.AARONNOTARY.COM

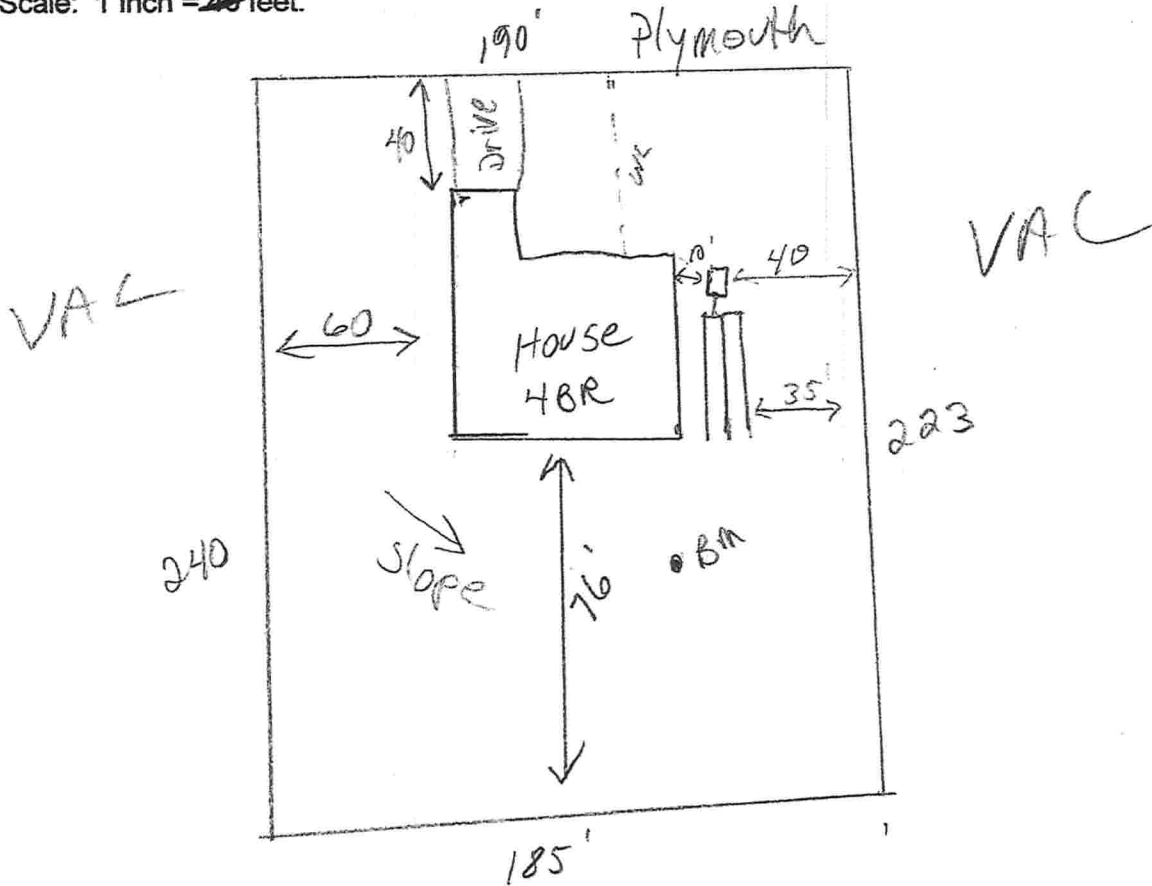
STATE OF FLORIDA
DEPARTMENT OF HEALTH
APPLICATION FOR ONSITE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PERMIT

10-0487-N

Permit Application Number _____

----- PART II - SITEPLAN -----

Scale: 1 inch = ⁶⁰/₄₀ feet.



Notes: _____

Site Plan submitted by: Rory D Ford
Plan Approved X Not Approved _____
By Saleh Ford, CHD Director Columbia CHD County Health Department
MASTER CONTRACTOR
Date 11-2-10

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

STATE OF FLORIDA

11/11/2010



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ON-SITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM
APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO: AD 942650
DATE PAID: 10/12/2010
FEE PAID: 510.00
RECEIPT #: (12-210-152603)

10-0487-N

APPLICATION FOR:

☒ New System ☐ Existing System ☐ Holding Tank ☐ Innovative
☐ Repair ☐ Abandonment ☐ Temporary

APPLICANT: Demetric Jackson

AGENT: ROCKY FORD, A & B CONSTRUCTION

TELEPHONE: 386-497-2311

MAILING ADDRESS: P.O. BOX 88 FT. WHITE, FL 32038

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (a) OR 489.552, FLORIDA STATUTES. IT IS THE APPLICANT'S RESPONSIBILITY TO PROVIDE DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR PLATTED (MM/DD/YY) IF REQUESTING CONSIDERATION OF STATUTORY GRADIENTER PROVIDERS.

PROPERTY INFORMATION

LOT: NA BLOCK: NA SUB: NA PLATTED: NA

PROPERTY ID #: 00-00-00-14309-007 ZONING: Res I/M OR EQUIVALENT: ☒ 1/10

PROPERTY SIZE: 1 ACRES WATER SUPPLY: ☐ PRIVATE PUBLIC ☐ >2000GPD ☒ >2000GPD

IS SEWER AVAILABLE AS PER 381.0045, FS? ☒ 1/10 DISTANCE TO SEWER: NA FT

PROPERTY ADDRESS: 1162 SW Plymouth Ave Ft White

DIRECTIONS TO PROPERTY: 47 to Ft White Right on 27 Left on Jordan Left on Plymouth Lot on Right

BUILDING INFORMATION

☒ RESIDENTIAL ☐ COMMERCIAL

Unit No	Type of Establishment	No. of Bedrooms	Building Area SqFt	Commercial/Institutional System Design Table 1, Chapter 642-6, FAC
1	Single Residential	4	2214	
2				
3				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: Rocky Ford DATE: 10/21/2010

DE 4815, 08/08 (Obsoletes previous editions which may not be used) Incorporated 642-6.001, FAC

Page 1 of 4

RECEIVED

RECEIVED

By: Sharon Ford, EPH Director INDIA CHD County Health Department

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT

DE 4815, 08/08 (Obsoletes previous editions which may not be used) Incorporated: 642-6.001, FAC (Stock Number: 8744-022-4015.5)

Page 2 of 4

Town of Fort White

Post Office Box 129 Fort White, Florida 32038-0129

Town Hall - (386) 497-2321 • Public Works - (386) 497-3345 • Fax (386) 497-4946

Email: townofftwhite@windstream.net • Website: Townoffortwhitefl.com

CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

FILE No. 10-001

OWNER'S NAME: Bryan Zecher Construction

ADDRESS: P.O. Box 815 Lake City, FL 32056

PROPERTY DESCRIPTION: RSF/MH 1 @ 172 SW Plymouth Avenue Fort White 1 acre Parcel
No. 14309-007 (Demetric Jackson)

DEVELOPMENT: New Residential Construction / Site Built Home

You are hereby authorized to issue the appropriate permits

Please fax a copy of the Applicants permit to 386-497-4946

10/26/2010
DATE

Janice E. Revels
LDR Administrator

Ka 10-26-10

District #1
Donald Cook
497-1086

District #2
Henry Maini
497-2992

District #3
Warren Barnes
497-3112

District #4
Demetric Jackson
497-2078

Mayor
Truett George
497-4741

Town of Fort White

Culvert Permit No. _____

Culvert Permit _____ Waiver X (Waived by Town of Fort White)DATE 11.05.2010PARCEL ID# 14309-007APPLICANT: Bryan Zecher Construction PHONE _____ADDRESS: P.O. Box 815 Lake City, FL 32056OWNER: Demetric Jackson PHONE: 386-497-2078ADDRESS: P.O. Box 817 Fort White, FL 32038CONTRACTOR: Bryan Zecher Construction PHONE _____LOCATION OF PROPERTY: 172 SW Plymouth Avenue Fort White, FL 32038

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

SIGNATURE: K. Anderson**INSTALLATION REQUIREMENTS**

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

INSTALLATION NOTE: Turnouts will be required as follows:

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

___ Culvert installation shall conform to the approved site plan standards.

___ Department of Transportation Permit installation approved standards.

___ Other _____

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

P.O. 129

Fort White, FL 32038

Phone: 386-497-2321 Fax: 386-497-4946

AMOUNT PAID \$25.00

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher PHONE 752-8653
THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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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 <u>234</u> <u>OK</u>	Print Name <u>Mike Conner</u> License #: <u>ER 13013192</u> Signature <u>Michael J. Conner</u> Phone #: <u>(386) 915-9005</u>
MECHANICAL/A/C	Print Name _____ License #: _____ Signature _____ Phone #: _____
PLUMBING/GAS	Print Name _____ License #: _____ Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____ Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____ Signature _____ Phone #: _____
FIRE SYSTEM/SPRINKLER	Print Name _____ License #: _____ Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____ Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING <u>853</u>	<u>28004578</u>	<u>Bryan Zecher</u>	<u>[Signature]</u> <u>LICENSE EXPIRES</u>
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.

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CONTRACTOR

Bryan Zecher ConstPHONE 754-8653

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PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

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MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER <i>OK</i>	<i>001039</i>	<i>Morrells/PAUL GRIFFITH</i>	<i>Paul Griffith</i>
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE <i>LAB 7/10</i>	<i>31</i>	<i>Morrells/HERB SPEARS</i>	<i>Herb Spears</i>
FLOOR COVERING <i>OK</i>	<i>000204</i>	<i>Morrells/RICH MOORE</i>	<i>Rich Moore</i>
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL <i>OK</i>	<i>000345</i>	<i>Heitzman Drywall</i>	<i>Kim Heitzman</i>
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
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SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR

Bryan Zaher Const.

PHONE

386-752-8653

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.

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION <u>OK</u>	<u>000240</u>	<u>Sikes Insulation, Inc</u>	<u>Will Sikes</u>
STUCCO		<u>Will Sikes</u>	
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.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher Const PHONE 386-757-8653
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.

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER	000063	Darrell Spradley Concrete Construction	Darrell Spradley
FRAMING		Darrell Spradley	
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zechar Const PHONE 386 252 8653

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON <u>OK</u>	<u>000844</u>	<u>South Point Masonry, Inc</u>	<u>Jim Dixon</u>
CONCRETE FINISHER		<u>Jim Dixon</u>	
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS			
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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ATTN: Adrea

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR Bryan Zecher PHONE 752-8653
 THIS FORM MUST BE SUBMITTED PRIOR TO THE ISSUANCE OF A PERMIT

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C _____	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING 187 ^{OK}	Print Name <u>Mac Johnson Roofing Inc</u> License #: <u>RC 0061384</u>	Signature <u>Mac Johnson</u> Phone #: <u>352-472-4943</u>
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

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

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Contractor Form; Subcontractor form: 6/09

386-758-8920

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR

Bryan Zecher Const

PHONE

386-7528653

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C	Print Name _____ License #: _____	Signature _____ Phone #: _____
PLUMBING/ GAS <u>736</u> <u>OK</u>	Print Name <u>C. L. Boyette</u> License #: <u>CFC021540</u>	Signature <u>C. L. Boyette</u> Phone #: <u>386-752-0776</u>
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

904-
259 313

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

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SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____

CONTRACTOR

Bryan Zechar Const

PHONE

386-752-8653

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ELECTRICAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
MECHANICAL/ A/C <u>487</u>	Print Name <u>Glenn I Jones, Inc</u> License #: <u>CA051486</u>	Signature <u>[Signature]</u> Phone #: <u>752-53189</u>
PLUMBING/ GAS	Print Name <u>Glenn Jones</u> License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

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

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Contractor Form: Subcontractor form: 5/08

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER _____ CONTRACTOR _____ PHONE _____

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PLUMBING/ GAS	Print Name _____ License #: _____	Signature _____ Phone #: _____
ROOFING	Print Name _____ License #: _____	Signature _____ Phone #: _____
SHEET METAL	Print Name _____ License #: _____	Signature _____ Phone #: _____
FIRE SYSTEM/ SPRINKLER	Print Name _____ License #: _____	Signature _____ Phone #: _____
SOLAR	Print Name _____ License #: _____	Signature _____ Phone #: _____

Specialty License	License Number	Sub-Contractors Printed Name	Sub-Contractors Signature
MASON			
CONCRETE FINISHER			
FRAMING			
INSULATION			
STUCCO			
DRYWALL			
PLASTER			
CABINET INSTALLER			
PAINTING			
ACOUSTICAL CEILING			
GLASS <i>OK</i>	<i>122</i>	<i>North Florida Glass</i>	<i>Lindy Bennett</i>
CERAMIC TILE			
FLOOR COVERING			
ALUM/VINYL SIDING			
GARAGE DOOR			
METAL BLDG ERECTOR			

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Columbia County Property Appraiser

DB Last Updated: 10/14/2010

2009 Tax Roll Year

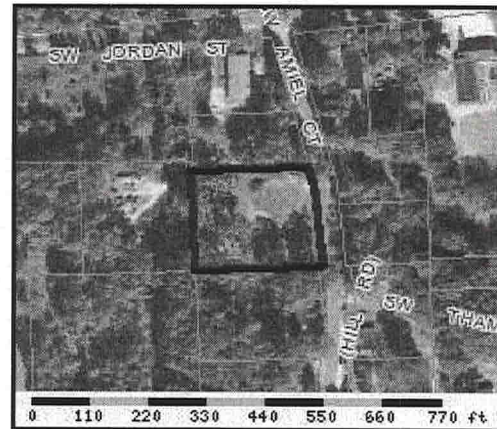
Parcel: 00-00-00-14309-007

[<< Next Lower Parcel](#)
[Next Higher Parcel >>](#)
[Tax Collector](#)
[Tax Estimator](#)
[Property Card](#)
[Parcel List Generator](#)
[Interactive GIS Map](#)
[Print](#)

Search Result: 1 of 1

Owner & Property Info

Owner's Name	JACKSON DEMETRIC L SR		
Mailing Address	P O BX 817 FORT WHITE, FL 32038		
Site Address	162 SW PLYMOUTH AVE		
Use Desc. (code)	VACANT (000000)		
Tax District	4 (County)	Neighborhood	16
Land Area	1.000 ACRES	Market Area	02
Description	NOTE: This description is not to be used as the Legal Description for this parcel in any legal transaction.		
FT WHITE: COMM SE COR BLOCK D, RUN W 196.61 FT FOR POB, CONT W 239.20 FT, N 188.10 FT, E 218.89 FT, S 11 DEG E 35.73 FT, S 153.74 FT TO POB. (BLOCK D) ORB 955-1538,			



Property & Assessment Values

2009 Certified Values		
Mkt Land Value	cnt: (0)	\$19,424.00
Ag Land Value	cnt: (2)	\$0.00
Building Value	cnt: (0)	\$0.00
XFOB Value	cnt: (0)	\$0.00
Total Appraised Value		\$19,424.00
Just Value		\$19,424.00
Class Value		\$0.00
Assessed Value		\$19,424.00
Exempt Value		\$0.00
Total Taxable Value	Cnty: \$19,424 Other: \$19,424 Schl:	\$19,424

2010 Working Values

NOTE:

2010 Working Values are NOT certified values and therefore are subject to change before being finalized for ad valorem assessment purposes.

[Show Working Values](#)

Sales History

[Show Similar Sales within 1/2 mile](#)

Sale Date	OR Book/Page	OR Code	Vacant / Improved	Qualified Sale	Sale RCode	Sale Price
6/9/2002	955/1538	WD	V	U	01	\$100.00

Building Characteristics

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

Extra Features & Out Buildings

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

Land Breakdown

Lnd Code	Desc	Units	Adjustments	Eff Rate	Lnd Value
000000	VAC RES (MKT)	43560 SF - (0000001.000AC)	1.00/1.00/0.50/1.00	\$0.35	\$15,246.00
009945	WELL/SEPT (MKT)	1 UT - (0000000.000AC)	1.00/1.00/1.00/1.00	\$2,000.00	\$2,000.00

Columbia County Property Appraiser

DB Last Updated: 10/14/2010

MD
10-176

Pac. 18.50
Cent. Copy 4.00

THIS INSTRUMENT WAS PREPARED BY:
FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P.O. BOX 2029
LAKE CITY, FLORIDA 32056

PERMIT NO. _____

TAX FOLIO NO. R14309-007

NOTICE OF COMMENCEMENT

STATE OF FLORIDA
COUNTY OF COLUMBIA

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

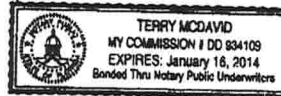
1. Description of property: AS DESCRIBED ON EXHIBIT "A" ATTACHED HERETO
2. General description of improvement: Construction of Dwelling
3. Owner information:
 - a. Name and address: DEMETRIC L. JACKSON, SR. & his wife, KEMBERLY L. JACKSON, 161 SW Plymouth Road, Fort White, FL 32038
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): BRYAN ZECHER HOMES, INC., 465 NW Orange Street, Lake City, FL 32055; Telephone No. 386-752-8653
5. Surety:
 - a. Name and address: N/A
 - b. Amount of bond: _____
6. Lender: FIRST FEDERAL BANK OF FLORIDA
4705 WEST U.S. HIGHWAY 90
P. O. BOX 2029
LAKE CITY, FLORIDA 32056
7. Persons within the State of Florida designated by Owner upon whom notices or other document may be served as provided by Section 713.13 (1) (a) 7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER of FIRST FEDERAL BANK OF FLORIDA, 4705 West U.S. Highway 90 / P. O. Box 2029, Lake City, Florida 32056 to receive a copy of the Lienor's Notice as provided in Section 713.13 (1) (b), Florida Statutes.
9. Expiration date of notice of commencement (the expiration date is 1 year from the date of recording unless a different date is specified).

Demetric L. Jackson, Sr.
Borrower Name Demetric L. Jackson, Sr.

Kemberly L. Jackson
Co-Borrower Name Kemberly L. Jackson

The foregoing instrument was acknowledged before me this 26th day of October 2010 by DEMETRIC L. JACKSON, SR. & KEMBERLY L. JACKSON, who is personally known to me or who has produced driver's license for identification.

Terry McDavid
Notary Public
My Commission Expires: _____



Inst 201012017489 Date 10/27/2010 Time 4:50 PM
DC P DeWitt Casson, Columbia County Page 1 of 2 D 1203 P 2487



STATE OF FLORIDA, COUNTY OF COLUMBIA
I HEREBY CERTIFY, that the above and foregoing
is a true copy of the original filed in this office.
P. DEWITT CASSON, CLERK OF COURTS

By: Bonnie Don
Deputy Clerk

Date: 10/27/10

FT WHITE: COMM SE COR BLOCK D, JACKSON DEMETRIC L SR 00-00-00-14309-007 Columbia County 2010 R
RUN W 196.61 FT FOR POB, CONT P O BX 817
W 239.20 FT, N 188.10 FT, E FORT WHITE, FL 32038 PRINTED 10/11/2010 10:49 CARD 001 of 001
218.89 FT, S 11 DEG E 35.73 APPR 5/16/2007 DFDB BY JEFF

AE? HTD AREA .000 INDEX 16.00 DIST 4 STR 33- 6S-16E PUSE 000000 VACANT
EFF AREA 29.614 E-RATE .000 INDY AKB MKT AREA 02 0 BLDG
RCN %GOOD BLDG VAL EYB (PUD1 AC 1.000 0 XFOB
#FIELD CK: 162 PLYMOUTH AVE SW FORT WHITE 0 AG
#LOC: 162 PLYMOUTH AVE SW FORT WHITE 0 MKAG
17,246 JUST
0 CLAS
0 SOHD
0 ASSD
0 EXPT
0 COTXBL

AE? BATH BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %
MOD FIXT BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %
EXW BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %

RSTR RCVR INTW % FLOR % HTTP A/C QUAL FNDN SIZE CELL ARCH FRME KTCH WNDG CLAS OCC COND SUB A-AREA % E-AREA SUB VALUE
RSTR RCVR INTW % FLOR % HTTP A/C QUAL FNDN SIZE CELL ARCH FRME KTCH WNDG CLAS OCC COND SUB A-AREA % E-AREA SUB VALUE
RSTR RCVR INTW % FLOR % HTTP A/C QUAL FNDN SIZE CELL ARCH FRME KTCH WNDG CLAS OCC COND SUB A-AREA % E-AREA SUB VALUE

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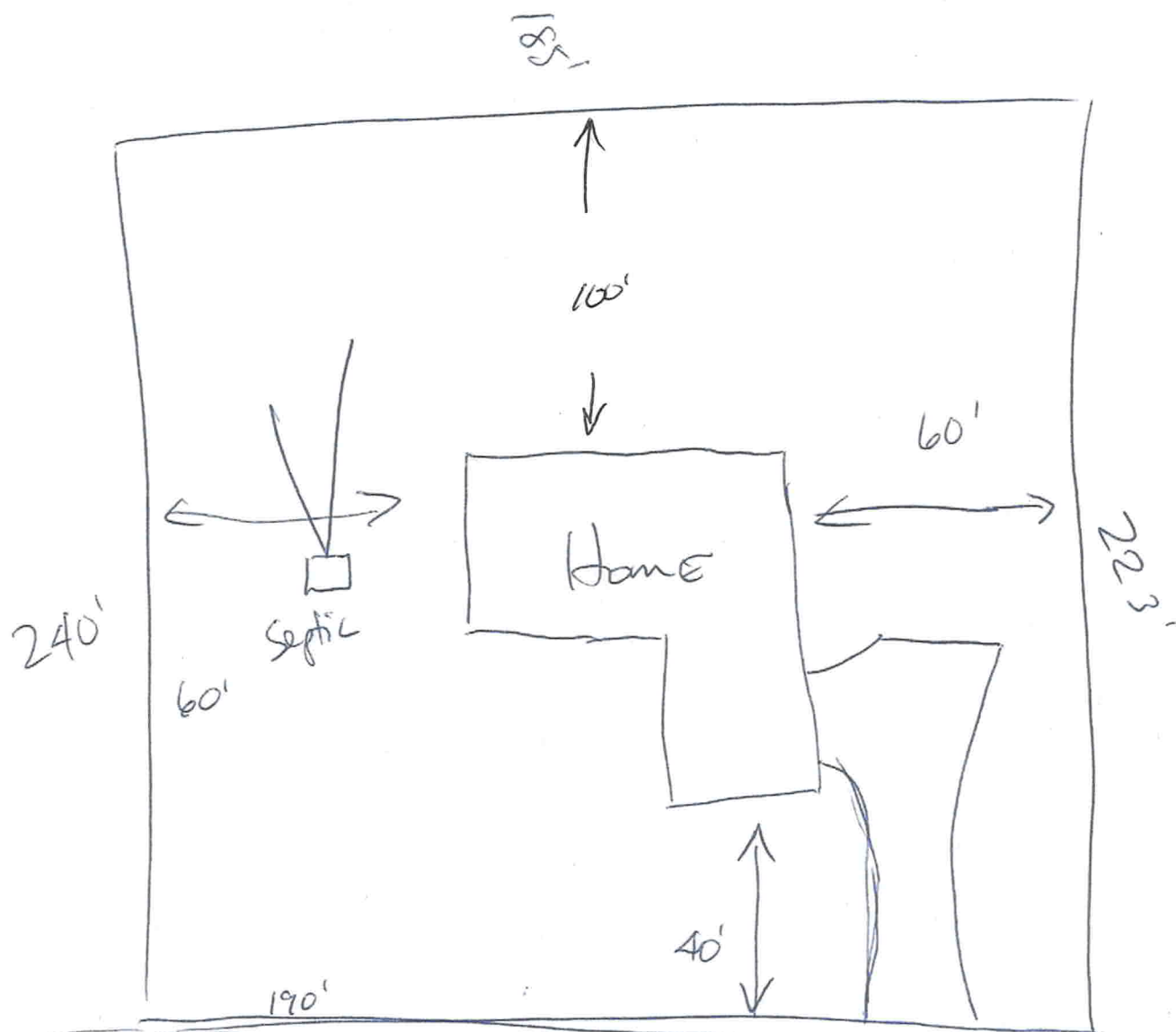
AE? BATH BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %
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AE? BATH BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %
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EXW BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %

AE? BATH BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %
MOD FIXT BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %
EXW BDRM RMS UNITS C-W% HGHT PMTR STYS ECON FUNC SPCD DEPR UD-1 UD-2 UD-3 UD-4 UD-5 UD-6 UD-7 UD-8 UD-9 %

Jackson Site Plan



172 Sw Plymouth Ave

COLUMBIA COUNTY 9-1-1 ADDRESSING

P. O. Box 1787, Lake City, FL 32056-1787
PHONE: (386) 758-1125 * FAX: (386) 758-1365 * Email: ron_croft@columbiacountyfla.com

Addressing Maintenance

To maintain the Countywide Addressing Policy you must make application for a 9-1-1 Address at the time you apply for a building permit. The established standards for assigning and posting numbers to all principal buildings, dwellings, businesses and industries are contained in Columbia County Ordinance 2001-9. The addressing system is to enable Emergency Service Agencies to locate you in an emergency, and to assist the United States Postal Service and the public in the timely and efficient provision of services to residents and businesses of Columbia County.

DATE REQUESTED: 10/15/2010 DATE ISSUED: 10/21/2010

ENHANCED 9-1-1 ADDRESS:

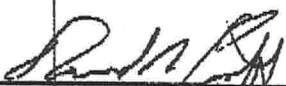
172 SW PLYMOUTH AVE

FORT WHITE FL 32038

PROPERTY APPRAISER PARCEL NUMBER:

00-00-00-14309-007

Remarks:

Address Issued By: 

Columbia County 9-1-1 Addressing / GIS Department

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



**COLUMBIA COUNTY BUILDING DEPARTMENT
RESIDENTIAL CHECK LIST REQUIREMENTS**

6-25-09

**MINIMUM PLAN REQUIREMENTS FOR THE
FLORIDA BUILDING CODE RESIDENTIAL 2007 EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 2009, ONE (1) AND TWO (2) FAMILY DWELLINGS
with Supplements and Revision, OF THE NATIONAL ELECTRICAL 2008**

ALL REQUIREMENTS ARE SUBJECT TO CHANGE

**ALL BUILDING PLANS MUST INDICATE COMPLIANCE with the Current 2007
FLORIDA BUILDING CODES RESIDENTIAL EFFECTIVE 1 MARCH 2009 & 2009
SUPPLEMENTS EFFECTIVE 1 MARCH 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
FIGURE R301.2(4) of the FLORIDA BUILDING CODES RESIDENTIAL (Florida Wind
speed map) SHALL BE USED.**

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

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

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

Items to Include-
Each Box shall be
Circled as
Applicable

			Yes	No	N/A
1	Two (2) complete sets of plans containing the following:		✓		
2	All drawings must be clear, concise, drawn to scale, details that are not used shall be marked void		✓		
3	Condition space (Sq. Ft.)	2214			
	Total (Sq. Ft.) under roof				
	2986				

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations Drawing including:

14	All side views of the structure	✓		
15	Roof pitch	✓		
16	Overhang dimensions and detail with attic ventilation	✓		
17	Location, size and height above roof of chimneys	N/A		
18	Location and size of skylights with Florida Product Approval	N/A		
18	Number of stories	1		
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 FBCR 613.2 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 of FBCR)	N/A		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails	N/A		
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

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

GENERAL REQUIREMENTS: APPLICANT – PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL	Items to Include- Each Box shall be Circled as Applicable
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FBCR 403: Foundation Plans

		YES	NO	N/A
29	Location of all load-bearing walls footings indicated as standard, monolithic, dimensions, size and type of reinforcing.	✓		
30	All posts and/or column footing including size and reinforcing	✓		
31	Any special support required by soil analysis such as piling.	✓		
32	Assumed load-bearing value of soil <u>1000</u> 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 320: PROTECTION AGAINST TERMITES

36	Indicate on the foundation plan if soil treatment is used for subterranean termite prevention or Sub mit other approved termite protection methods. Protection shall be provided by registered termiticides	✓		
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FBCR 606: Masonry Walls and Stem walls (load bearing & shear Walls)

37	Show all materials making up walls, wall height, and Block size, mortar type	N/A		
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	N/A		
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	✓		
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	✓		
42	Attachment of joist to girder	✓		
43	Wind load requirements where applicable	✓		
44	Show required under-floor crawl space	N/A		

45	Show required amount of ventilation opening for under-floor spaces	N/A		
46	Show required covering of ventilation opening	N/A		
47	Show the required access opening to access to under-floor spaces	N/A		
48	Show the sub-floor structural panel sheathing type, thickness and fastener schedule on the edges & interior of the areas structural panel sheathing	N/A		
49	Show Draftstopping, Fire caulking and Fire blocking	✓		
50	Show fireproofing requirements for garages attached to living spaces, per FBCR section 309	✓		
51	Provide live and dead load rating of floor framing systems (psf).	✓		

FBCR CHAPTER 6 WOOD WALL FRAMING CONSTRUCTION

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

FBCR :ROOF SYSTEMS:

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

FBCR 802:Conventional Roof Framing Layout

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

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

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

FBCR ROOF ASSEMBLIES FRC Chapter 9

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

FBCR Chapter 11 Energy Efficiency Code for residential building

Residential construction shall comply with this code by using the following compliance methods in the FBCR chapter 11 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	N/A		

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	N/A		
83	Reservoir pressure tank gallon capacity			
84	Rating of cycle stop valve if used			

City water

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
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THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

		YES	NO	N/A
92	Building Permit Application A current Building Permit Application form is to be completed and submitted for all residential projects	✓		
93	Parcel Number The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested	✓		
94	Environmental Health Permit or Sewer Tap Approval A copy of a approved Columbia County Environmental Health (386) 758-1058			
95	City of Lake City A permit showing an approved waste water sewer tap			N/A
96	Toilet facilities shall be provided for all construction sites	✓		
97	Town of Fort White (386) 497-2321 If the parcel in the application for building permit is within the Corporate city limits of Fort White an approval land use development letter issued by the Town of Fort is required to be submitted with the application for a building permit.			

98	Flood Information: All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting a application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.5.2 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.5.3 of the Columbia County Land Development Regulations	✓		
99	CERTIFIED FINISHED FLOOR ELEVATIONS will be required on any project where the base flood elevation (100 year flood) has been established	✓		
100	A development permit will also be required. Development permit cost is \$50.00	mlr		
101	Driveway Connection: If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.	✓		
102	911 Address: If the project is located in an area where a 911 address has not been issued, then application for a 911 address must be applied for and received through the Columbia County Emergency Management Office of 911 Addressing Department (386) 758-1125	✓		

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and approval numbers on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products.

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS			
A SWINGING	MASONIC FIBERGLASS	THERMATRU	FL 4668.1/88.38.1
B SLIDING			
C SECTIONAL			
D ROLL UP			
E AUTOMATIC			
F OTHER			
2. WINDOWS			
A SINGLE HUNG	VISION/VEATRA		SH FL 1378.3
B HORIZONTAL SLIDER	VISION/VEATRA		PW FL 1385.3
C CASEMENT			
D DOUBLE HUNG			
E FIXED	C/I		FL 681/FL 1385.2
F AWNING			
G PASS THROUGH			
H PROJECTED			
I MULLION			
J WIND BREAKER			
K DUAL ACTION			
L OTHER			
3. PANEL WALL			
A SIDING	HARDIPLANK		
B SOFFITS	ASHLEY ALUMINUM		
C EIFS			
D STOREFRONTS			
E CURTAIN WALLS			
F WALL LOUVER			
G GLASS BLOCK			
H MEMBRANE			
I GREENHOUSE			
J OTHER			
4. ROOFING PRODUCTS			
A ASPHALT SHINGLES			
B UNDERLAYMENTS	FELT		FL 1814
C ROOFING FASTENERS	NAILS		RDM 3378
D NON-STRUCTURAL METAL ROOFING			
E WOOD SHINGLES AND SHAKES			
F ROOFING TILES			
G ROOFING INSULATION			
H WATERPROOFING			
I BUILT UP ROOFING ROOF SYSTEMS			
J MODIFIED BITUMEN			
K SINGLE PLY ROOF			

SYSTEMS		
L ROOFING SLATE		
M CEMENTS-ADHESIVES		
COATINGS		

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
N LIQUID APPLIED ROOF SYSTEMS			
O ROOF TILE ADHESIVE			
P SPRAY APPLIED POLYURETHANE ROOF			
Q OTHER			
5. SHUTTERS	N/A		
A ACCORDION			
B BAHAMA			
C STORM PANELS			
D COLONIAL			
E ROLL-UP			
F EQUIPMENT			
G OTHERS			
6. SKYLIGHTS	N/A		
A SKYLIGHT			
B OTHER			
7. STRUCTURAL COMPONENTS	N/A		
A WOOD CONNECTORS/ ANCHORS			
B TRUSS PLATES			
C ENGINEERED LUMBER			
D RAILING			
E COOLERS-FREEZERS			
F CONCRETE ADMIXTURES			
G MATERIAL			
H INSULATION FORMS			
I PLASTICS			
J DECK-ROOF			
K WALL			
L SHEDS			
M OTHER			
8. NEW EXTERIOR ENVELOPE PRODUCTS	N/A		
A			
B			

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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs Residential Performance Method A

Project Name: 1010061ZecherBryanJacksonRes
 Street:
 City, State, Zip: , FL ,
 Owner:
 Design Location: FL, Gainesville

Builder Name: Zecher
 Permit Office:
 Permit Number:
 Jurisdiction:

1. New construction or existing	New (From Plans)	
2. Single family or multiple family	Single-family	
3. Number of units, if multiple family	1	
4. Number of Bedrooms	4	
5. Is this a worst case?	Yes	
6. Conditioned floor area (ft ²)	2214	
7. Windows	Description	Area
a. U-Factor:	Dbl, U=0.35	270.33 ft ²
SHGC:	SHGC=0.35	
b. U-Factor:	Dbl, U=0.87	72.00 ft ²
SHGC:	SHGC=0.66	
c. U-Factor:	N/A	ft ²
SHGC:		
d. U-Factor:	N/A	ft ²
SHGC:		
e. U-Factor:	N/A	ft ²
SHGC:		
8. Floor Types	Insulation	Area
a. Slab-On-Grade Edge Insulation	R=0.0	2214.00 ft ²
b. N/A	R=	ft ²
c. N/A	R=	ft ²

9. Wall Types	Insulation	Area
a. Face Brick - Wood, Exterior	R=13.0	1383.00 ft ²
b. Frame - Wood, Exterior	R=13.0	495.00 ft ²
c. Frame - Wood, Adjacent	R=13.0	255.00 ft ²
d. N/A	R=	ft ²
10. Ceiling Types	Insulation	Area
a. Under Attic (Vented)	R=30.0	2214.00 ft ²
b. Knee Wall (Vented)	R=30.0	102.00 ft ²
c. N/A	R=	ft ²
11. Ducts		
a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 442.8 ft ²		
12. Cooling systems		
a. Central Unit	Cap: 47.0 kBtu/hr	
	SEER: 13	
13. Heating systems		
a. Electric Heat Pump	Cap: 47.0 kBtu/hr	
	HSPF: 7.7	
14. Hot water systems		
a. Electric	Cap: 40 gallons	
	EF: 0.92	
b. Conservation features		
None		
15. Credits	None	

Glass/Floor Area: 0.155

Total As-Built Modified Loads: 36.79

Total Baseline Loads: 46.74

PASS

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

PREPARED BY:

DATE: 10/20/2010 EVAN BEANSLEY

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

OWNER/AGENT:

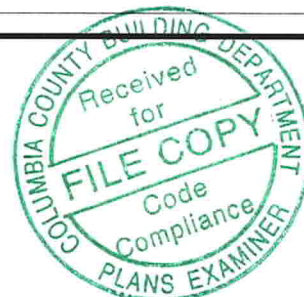
DATE: 10/25/10

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



BUILDING OFFICIAL:

DATE:



PROJECT

Title: 1010061ZecherBryanJackson	Bedrooms: 4	Address Type: Street Address
Building Type: FLAsBuilt	Conditioned Area: 2214	Lot #
Owner:	Total Stories: 1	SubDivision:
# of Units: 1	Worst Case: Yes	PlatBook:
Builder Name: Zecher	Rotate Angle: 90	Street:
Permit Office:	Cross Ventilation:	County: Columbia
Jurisdiction:	Whole House Fan:	City, State, Zip: , FL ,
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	75	70	1305.5	51	Medium

FLOORS

✓	#	Floor Type	Perimeter	R-Value	Area	Tile	Wood	Carpet
_____	1	Slab-On-Grade Edge Insulatio	237 ft	0	2214 ft²	0.3	0.3	0.4

ROOF

✓	#	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	Tested	Deck Insul.	Pitch
_____	1	Hip	Composition shingles	2476 ft²	0 ft²	Dark	0.96	No	0	26.6 deg

ATTIC

✓	#	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
_____	1	Full attic	Vented	300	2214 ft²	N	N

CEILING

✓	#	Ceiling Type	R-Value	Area	Framing Frac	Truss Type
_____	1	Under Attic (Vented)	30	2214 ft²	0.11	Wood
_____	2	Knee Wall (Vented)	30	102 ft²	0.11	Wood

WALLS

✓	#	Ornt	Adjacent To	Wall Type	Cavity R-Value	Area	Sheathing R-Value	Framing Fraction	Solar Absor.
_____	1	N	Exterior	Frame - Wood	13	495 ft²		0.23	0.75
_____	2	E	Exterior	Face Brick - Wood	13	580.5 ft²	0	0	0.75
_____	3	S	Exterior	Face Brick - Wood	13	297 ft²	0	0	0.75
_____	4	W	Exterior	Face Brick - Wood	13	505.5 ft²	0	0	0.75
_____	5	S	Garage	Frame - Wood	13	255 ft²		0.23	0.01

DOORS

✓	#	Ornt	Door Type	Storms	U-Value	Area
_____	1	E	Insulated	None	0.400000	16 ft²
_____	2	N	Insulated	None	0.400000	24 ft²
_____	3	S	Insulated	None	0.400000	17.77777
_____	4	S	Insulated	None	0.400000	16 ft²

WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

✓	#	Ornt	Frame	Panes	NFRC	U-Factor	SHGC	Storms	Area	Overhang		Int Shade	Screening
										Depth	Separation		
_____	1	N=>E	Metal	Low-E Double	Yes	0.87	0.66	N	72 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	2	E=>S	Metal	Low-E Double	Yes	0.35	0.35	N	34.666666	99 ft 9 in	1 ft 0 in	HERS 2006	None
_____	3	N=>E	Metal	Low-E Double	Yes	0.35	0.35	N	72 ft²	10 ft 6 in	1 ft 0 in	HERS 2006	None
_____	4	W=>N	Metal	Low-E Double	Yes	0.35	0.35	N	36 ft²	99 ft 9 in	1 ft 0 in	HERS 2006	None
_____	5	N=>E	Metal	Low-E Double	Yes	0.35	0.35	N	15 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	6	E=>S	Metal	Low-E Double	Yes	0.35	0.35	N	6.666666	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	7	E=>S	Metal	Low-E Double	Yes	0.35	0.35	N	30 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	8	E=>S	Metal	Low-E Double	Yes	0.35	0.35	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	9	S=>W	Metal	Low-E Double	Yes	0.35	0.35	N	12 ft²	6 ft 6 in	1 ft 0 in	HERS 2006	None
_____	10	S=>W	Metal	Low-E Double	Yes	0.35	0.35	N	32 ft²	10 ft 16 in	1 ft 0 in	HERS 2006	None
_____	11	S=>W	Metal	Low-E Double	Yes	0.35	0.35	N	18 ft²	6 ft 6 in	1 ft 0 in	HERS 2006	None
_____	12	S=>W	Metal	Low-E Double	Yes	0.35	0.35	N	4 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None
_____	13	W=>N	Metal	Low-E Double	Yes	0.35	0.35	N	6 ft²	1 ft 6 in	1 ft 0 in	HERS 2006	None

INFILTRATION & VENTING

✓	Method	SLA	CFM 50	ACH 50	ELA	EqLA	---- Forced Ventilation ----		Run Time	Fan
							Supply CFM	Exhaust CFM	Fraction	Watts
_____	Default	0.00036	2091	6.30	114.8	215.8	0 cfm	0 cfm	0	0

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
_____	1	480 ft²	480 ft²	72 ft	9 ft	(invalid)

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Ducts
_____	1	Central Unit	None	SEER: 13	47 kBtu/hr	1410 cfm	0.75	sys#1

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Ducts
_____	1	Electric Heat Pump	None	HSPF: 7.7	47 kBtu/hr	sys#1

HOT WATER SYSTEM

✓	#	System Type	EF	Cap	Use	SetPnt	Conservation
_____	1	Electric	0.92	40 gal	70 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
_____	None	None			ft ²		

DUCTS

✓	#	--- Supply ---			--- Return ---		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF
_____	1	Attic	6	442.8 ft	Attic	110.7 ft	Default Leakage	Interior	(Default)	(Default) %		

TEMPERATURES

Programable Thermostat: None

Ceiling Fans:

Cooling	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☒	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☒	Oct	☒	Nov	☒	Dec
Heating	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☒	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☒	Oct	☒	Nov	☒	Dec
Venting	☒	Jan	☒	Feb	☒	Mar	☒	Apr	☒	May	☒	Jun	☒	Jul	☒	Aug	☒	Sep	☒	Oct	☒	Nov	☒	Dec

Thermostat Schedule: HERS 2006 Reference

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

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS:

, FL,

PERMIT #:

INFILTRATION REDUCTION COMPLIANCE CHECKLIST

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

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

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

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 79

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

, , FL,

1. New construction or existing	New (From Plans)		9. Wall Types	Insulation	Area
2. Single family or multiple family	Single-family		a. Face Brick - Wood, Exterior	R=13.0	1383.00 ft ²
3. Number of units, if multiple family	1		b. Frame - Wood, Exterior	R=13.0	495.00 ft ²
4. Number of Bedrooms	4		c. Frame - Wood, Adjacent	R=13.0	255.00 ft ²
5. Is this a worst case?	Yes		d. N/A	R=	ft ²
6. Conditioned floor area (ft ²)	2214		10. Ceiling Types	Insulation	Area
7. Windows**	Description	Area	a. Under Attic (Vented)	R=30.0	2214.00 ft ²
a. U-Factor:	Dbl, U=0.35	270.33 ft ²	b. Knee Wall (Vented)	R=30.0	102.00 ft ²
SHGC:	SHGC=0.35		c. N/A	R=	ft ²
b. U-Factor:	Dbl, U=0.87	72.00 ft ²	11. Ducts		
SHGC:	SHGC=0.66		a. Sup: Attic Ret: Attic AH: Interior Sup. R= 6, 442.8 ft ²		
c. U-Factor:	N/A	ft ²	12. Cooling systems		
SHGC:			a. Central Unit	Cap: 47.0 kBtu/hr	SEER: 13
d. U-Factor:	N/A	ft ²	13. Heating systems		
SHGC:			a. Electric Heat Pump	Cap: 47.0 kBtu/hr	HSPF: 7.7
e. U-Factor:	N/A	ft ²	14. Hot water systems		
SHGC:			a. Electric	Cap: 40 gallons	EF: 0.92
8. Floor Types	Insulation	Area	b. Conservation features	None	
a. Slab-On-Grade Edge Insulation	R=0.0	2214.00 ft ²	None		
b. N/A	R=	ft ²	15. Credits	None	
c. N/A	R=	ft ²			

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

Builder Signature: _____

Date: 10/25/10

Address of New Home: 172 SW Plymouth Ave

City/FL Zip: FL White, FL

32038



*Note: The home's estimated Energy Performance Index is only available through the EnergyGauge USA - FlaRes2008 computer program. This is not a Building Energy Rating. If your Index is below 100, your home may qualify for incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at (321) 638-1492 or see the Energy Gauge web site at energygauge.com for information and a list of certified Raters. For information about Florida's Energy Efficiency Code for Building Construction, contact the Department of Community Affairs at (850) 487-1824.

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

Residential System Sizing Calculation

Summary

Project Title:
1010061ZecherBryanJacksonRes

, FL

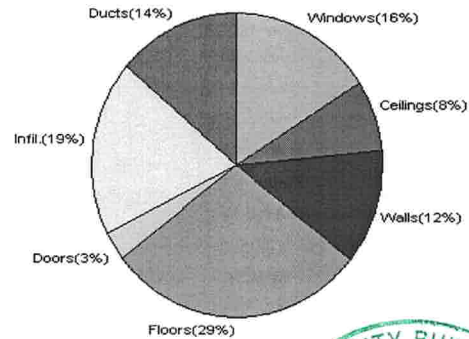
10/20/2010

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	36233 Btuh	Total cooling load calculation	39974 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	129.7 47000	Sensible (SHR = 0.75)	107.4 35250
Heat Pump + Auxiliary(0.0kW)	129.7 47000	Latent	164.0 11750
		Total (Electric Heat Pump)	117.6 47000

WINTER CALCULATIONS

Winter Heating Load (for 2214 sqft)

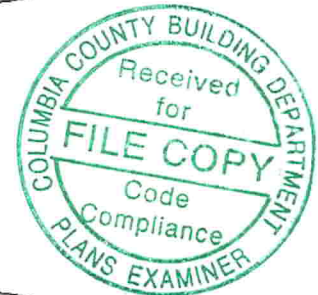
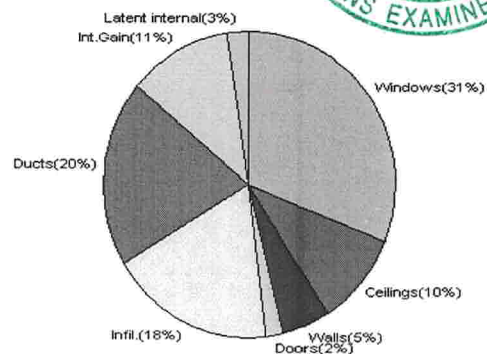
Load component		Load	
Window total	342 sqft	5818	Btuh
Wall total	1717 sqft	4514	Btuh
Door total	74 sqft	1092	Btuh
Ceiling total	2316 sqft	2729	Btuh
Floor total	2214 sqft	10347	Btuh
Infiltration	166 cfm	6726	Btuh
Duct loss		5006	Btuh
Subtotal		36233	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		36233	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 2214 sqft)

Load component		Load	
Window total	342 sqft	12470	Btuh
Wall total	1717 sqft	2034	Btuh
Door total	74 sqft	826	Btuh
Ceiling total	2316 sqft	3835	Btuh
Floor total		0	Btuh
Infiltration	133 cfm	2472	Btuh
Internal gain		4550	Btuh
Duct gain		6621	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Blower Load		0	Btuh
Total sensible gain		32809	Btuh
Latent gain(ducts)		1311	Btuh
Latent gain(infiltration)		4855	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1000	Btuh
Total latent gain		7165	Btuh
TOTAL HEAT GAIN		39974	Btuh



8th Edition

EnergyGauge® System Sizing

PREPARED BY:

DATE: 10/20/2010 ERAN BERNSTEIN

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Project Title:

1010061ZecherBryanJacksonRes

Building Type: User

10/20/2010

, FL

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 0.66	Metal	0.87	W	72.0		32.2	2318 Btuh
2	2, NFRC 0.35	Metal	0.35	N	34.7		12.9	449 Btuh
3	2, NFRC 0.35	Metal	0.35	W	72.0		12.9	932 Btuh
4	2, NFRC 0.35	Metal	0.35	S	36.0		12.9	466 Btuh
5	2, NFRC 0.35	Metal	0.35	W	15.0		12.9	194 Btuh
6	2, NFRC 0.35	Metal	0.35	N	6.7		12.9	86 Btuh
7	2, NFRC 0.35	Metal	0.35	N	30.0		12.9	388 Btuh
8	2, NFRC 0.35	Metal	0.35	N	4.0		12.9	52 Btuh
9	2, NFRC 0.35	Metal	0.35	E	12.0		12.9	155 Btuh
10	2, NFRC 0.35	Metal	0.35	E	32.0		12.9	414 Btuh
11	2, NFRC 0.35	Metal	0.35	E	18.0		12.9	233 Btuh
12	2, NFRC 0.35	Metal	0.35	E	4.0		12.9	52 Btuh
13	2, NFRC 0.35	Metal	0.35	S	6.0		12.9	78 Btuh
Window Total					342.3(sqft)			5818 Btuh
Walls	Type	Ornt.	Ueff.	R-Value (Cav/Sh)	Area	X	HTM=	Load
1	Frame - Wood	- Ext	(0.089)	13.0/0.0	312		3.28	1025 Btuh
2	Face Br - Wood	- Ext	(0.063)	13.0/0.0	489		2.32	1135 Btuh
3	Face Br - Wood	- Ext	(0.063)	13.0/0.0	215		2.32	499 Btuh
4	Face Br - Wood	- Ext	(0.063)	13.0/0.0	464		2.32	1076 Btuh
5	Frame - Wood	- Adj	(0.089)	13.0/0.0	237		3.28	779 Btuh
Wall Total					1717(sqft)			4514 Btuh
Doors	Type	Storm	Ueff.		Area	X	HTM=	Load
1	Insulated - Exterior,	n	(0.400)		16		14.8	237 Btuh
2	Insulated - Exterior,	n	(0.400)		24		14.8	355 Btuh
3	Insulated - Garage,	n	(0.400)		18		14.8	263 Btuh
4	Insulated - Exterior,	n	(0.400)		16		14.8	237 Btuh
Door Total					74(sqft)			1092Btuh
Ceilings	Type/Color/Surface		Ueff.	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shing		(0.032)	30.0/0.0	2214		1.2	2609 Btuh
2	Knee Wall/D/Shing		(0.032)	30.0/0.0	102		1.2	120 Btuh
Ceiling Total					2316(sqft)			2729Btuh
Floors	Type		Ueff.	R-Value	Size	X	HTM=	Load
1	Slab On Grade		(1.180)	0.0	237.0 ft(perim.)		43.7	10347 Btuh
Floor Total					2214 sqft			10347 Btuh
Envelope Subtotal:								24501 Btuh
Infiltration	Type		ACH	Volume(cuft)	Wall Ratio		CFM=	Load
	Natural		0.50	19926	1.00		166.1	6726 Btuh
Duct load	Average sealed, R6.0, Supply(Att), Return(Att) (DLM of 0.160)							5006 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:

1010061ZecherBryanJacksonRes

Building Type: User

, FL

10/20/2010

All Zones	Sensible Subtotal All Zones	36233 Btuh
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WHOLE HOUSE TOTALS

Totals for Heating	Subtotal Sensible Heat Loss Ventilation Sensible Heat Loss Total Heat Loss	36233 Btuh 0 Btuh 36233 Btuh
---------------------------	--	------------------------------------

EQUIPMENT

1. Electric Heat Pump	#	47000 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

Project Title:

1010061ZecherBryanJacksonRes

, FL

10/20/2010

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*						Overhang		Window Area(sqft)			HTM		Load	
	Panes	SHGC	U	InSh	IS	Ornt	Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded		
1	2 NFRC	0.66, 0.87	No	No	W		1.5ft	1.0ft	72.0	2.9	69.1	29	78	5500	Btuh
2	2 NFRC	0.35, 0.35	No	No	N		99.8f	1.0ft	34.7	0.0	34.7	13	13	461	Btuh
3	2 NFRC	0.35, 0.35	No	No	W		10.5f	1.0ft	72.0	69.4	2.6	13	40	1026	Btuh
4	2 NFRC	0.35, 0.35	No	No	S		99.8f	1.0ft	36.0	36.0	0.0	13	16	479	Btuh
5	2 NFRC	0.35, 0.35	No	No	W		1.5ft	1.0ft	15.0	0.7	14.3	13	40	576	Btuh
6	2 NFRC	0.35, 0.35	No	No	N		1.5ft	1.0ft	6.7	0.0	6.7	13	13	89	Btuh
7	2 NFRC	0.35, 0.35	No	No	N		1.5ft	1.0ft	30.0	0.0	30.0	13	13	399	Btuh
8	2 NFRC	0.35, 0.35	No	No	N		1.5ft	1.0ft	4.0	0.0	4.0	13	13	53	Btuh
9	2 NFRC	0.35, 0.35	No	No	E		6.5ft	1.0ft	12.0	8.8	3.2	13	40	244	Btuh
10	2 NFRC	0.35, 0.35	No	No	E		11.3f	1.0ft	32.0	32.0	0.0	13	40	426	Btuh
11	2 NFRC	0.35, 0.35	No	No	E		6.5ft	1.0ft	18.0	13.2	4.8	13	40	367	Btuh
12	2 NFRC	0.35, 0.35	No	No	E		1.5ft	1.0ft	4.0	0.5	3.5	13	40	146	Btuh
13	2 NFRC	0.35, 0.35	No	No	S		1.5ft	1.0ft	6.0	6.0	0.0	13	16	80	Btuh
Excursion														2623	Btuh
Window Total									342 (sqft)					12470	Btuh
Walls	Type					U-Value	R-Value	Area(sqft)			HTM		Load		
							Cav/Sheath								
1	Frame - Wood - Ext					0.09	13.0/0.0	312.0			2.1		651 Btuh		
2	Face Brick - Wood - Ext					0.06	13.0/0.0	489.2			0.9		430 Btuh		
3	Face Brick - Wood - Ext					0.06	13.0/0.0	215.0			0.9		189 Btuh		
4	Face Brick - Wood - Ext					0.06	13.0/0.0	463.5			0.9		407 Btuh		
5	Frame - Wood - Adj					0.09	13.0/0.0	237.2			1.5		358 Btuh		
Wall Total									1717 (sqft)					2034 Btuh	
Doors	Type							Area (sqft)			HTM		Load		
1	Insulated - Exterior							16.0			11.2		179 Btuh		
2	Insulated - Exterior							24.0			11.2		269 Btuh		
3	Insulated - Garage							17.8			11.2		199 Btuh		
4	Insulated - Exterior							16.0			11.2		179 Btuh		
Door Total									74 (sqft)					826 Btuh	
Ceilings	Type/Color/Surface					U-Value	R-Value	Area(sqft)			HTM		Load		
1	Vented Attic/DarkShingle					0.032	30.0/0.0	2214.0			1.66		3666 Btuh		
2	Knee Wall/DarkShingle					0.032	30.0/0.0	102.0			1.66		169 Btuh		
Ceiling Total									2316 (sqft)					3835 Btuh	
Floors	Type						R-Value	Size			HTM		Load		
1	Slab On Grade						0.0	2214 (ft-perimeter)			0.0		0 Btuh		
Floor Total									2214.0 (sqft)					0 Btuh	
Envelope Subtotal:														19165 Btuh	

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title: Climate:FL_GAINESVILLE_REGIONAL_A
1010061ZecherBryanJacksonRes

, FL

10/20/2010

Infiltration	Type	ACH	Volume(cuft)	Wall Ratio	CFM=	Load
	SensibleNatural	0.40	19926	1717	166.1	2472 Btuh
Internal gain		Occupants	Btuh/occupant		Appliance	Load
		5	X 230	+	3400	4550 Btuh
	Sensible Envelope Load:					26188 Btuh
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic)			(DGM of 0.253)		6621 Btuh
	Sensible Load All Zones					32809 Btuh

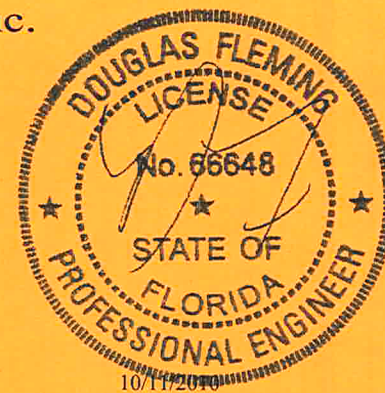
ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844

Florida Engineering Certificate of Authorization Number: 0 278

Florida Certificate of Product Approval # FL1999

Page 1 of 1 Document ID: IUSY487-Z0111133818



Truss Fabricator: Anderson Truss Company
Job Identification: 10-205--Fill in later BRYAN ZECHER/JACKSON -- , **
Truss Count: 51
Model Code: Florida Building Code 2007 and 2009 Supplement
Truss Criteria: FBC2007Res/TPI-2002(STD)
Engineering Software: Alpine Software, Version 9.05.
Structural Engineer of Record: The identity of the structural EOR did not exist as of
the seal date per section 61G15-31.003(5a) of the FAC
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-05 -Closed

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

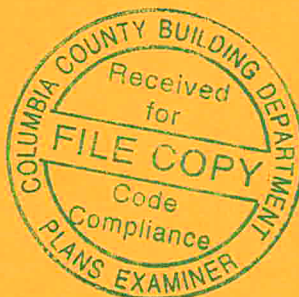
Douglas M. Fleming
-Truss Design Engineer-

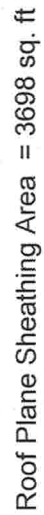
1950 Marley Drive
Haines City, FL 33844

Details: BRCLBSUB-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	91846--A2		10284014	10/11/10
2	91847--A1		10284015	10/11/10
3	91848--HM21A		10284016	10/11/10
4	91849--H13A		10284002	10/11/10
5	91850--H11A		10284003	10/11/10
6	91851--HM7A		10284037	10/11/10
7	91852--HM9A		10284017	10/11/10
8	91853--HM11A		10284018	10/11/10
9	91854--HM13A		10284019	10/11/10
10	91855--HM15A		10284020	10/11/10
11	91856--HM17A		10284021	10/11/10
12	91857--HM19A		10284022	10/11/10
13	91858--HS15A		10284023	10/11/10
14	91859--HS17AT		10284024	10/11/10
15	91860--HS21AT		10284025	10/11/10
16	91861--AT1		10284026	10/11/10
17	91862--AT2		10284027	10/11/10
18	91863--HS19AT		10284028	10/11/10
19	91864--AT3		10284029	10/11/10
20	91865--H9AT		10284038	10/11/10
21	91866--H7B		10284039	10/11/10
22	91867--H9B		10284004	10/11/10
23	91868--B		10284005	10/11/10
24	91869--B1		10284006	10/11/10
25	91870--BG		10284052	10/11/10
26	91871--H1C		10284040	10/11/10
27	91872--CG		10284041	10/11/10
28	91873--FG4		10284042	10/11/10
29	91874--FG1		10284043	10/11/10
30	91875--FG3		10284044	10/11/10
31	91876--FG2		10284045	10/11/10
32	91877--EJ9		10284007	10/11/10
33	91878--EJ9T		10284008	10/11/10
34	91879--CJ7T		10284009	10/11/10
35	91880--CJ5T		10284010	10/11/10
36	91881--CJ3T		10284011	10/11/10

#	Ref	Description	Drawing#	Date
37	91882--CJ1		10284030	10/11/10
38	91883--HJ9T		10284046	10/11/10
39	91884--CJ3		10284012	10/11/10
40	91885--CJ5		10284031	10/11/10
41	91886--CJ7		10284032	10/11/10
42	91887--HJ9		10284047	10/11/10
43	91888--HJ5		10284048	10/11/10
44	91889--H5M		10284049	10/11/10
45	91890--M		10284013	10/11/10
46	91891--EJ54		10284033	10/11/10
47	91892--HJ7		10284050	10/11/10
48	91893--EJ7		10284034	10/11/10
49	91894--EJ1		10284035	10/11/10
50	91895--HJ1		10284051	10/11/10
51	91896--EJ7S		10284036	10/11/10





(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - A2)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

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

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

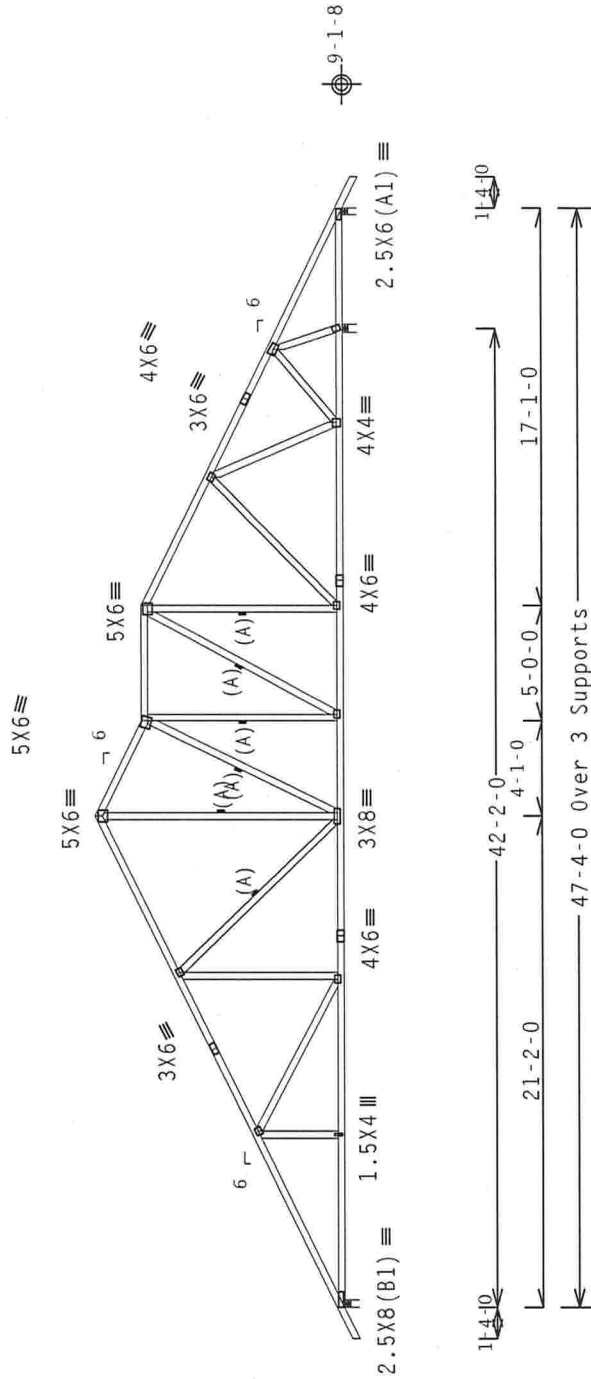
Negative reaction(s) of -232# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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

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



R=-232 Rw=65 U=152 W=3.5"

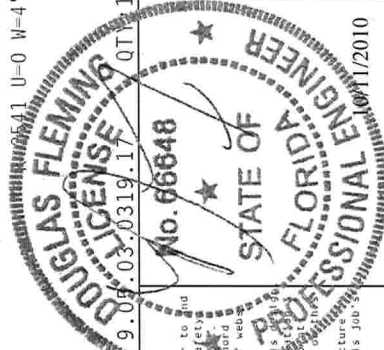
R-1766 U=0 W=4"
RL=266/-266

Note: All Plates Are 3X4 Except As Shown.

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

PLT TYP. Wave

Scale = .125"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	**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 IPI and WICA) for safe practices prior to performing these functions. Installers shall provide temporary bracing per BCSI, unless noted otherwise. Trusses shall be braced in accordance with the attached rigid ceiling. Trusses shall have bracing installed per BCSI sections 83, 87 or 810, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from any truss built in conformance with ANSI/TPI 1 or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the job site. Details, unless noted otherwise. Refer to drawings 1604-2 for standard plate positions. A seal 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; IPI-BCSI: www.itwbcg.com; TPI: www.tpiinst.org; WICA: www.bcsiindustry.com; ITC: www.itccare.org	TC LL	20.0 PSF	REF	R487--	91846
		TC DL	10.0 PSF	DATE	10/11/10	
		BC DL	10.0 PSF	DRW	HCUSR487	10284014
		BC LL	0.0 PSF	HC-ENG	JB/DF	
		TOT.LD.	40.0 PSF	SEQN-	153274	
	FL/ / - / 4 / - / - / R / -	DUR.FAC.	1.25			
		SPACING	24.0"	JREF-	1U5Y487_Z01	

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - A1)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

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

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

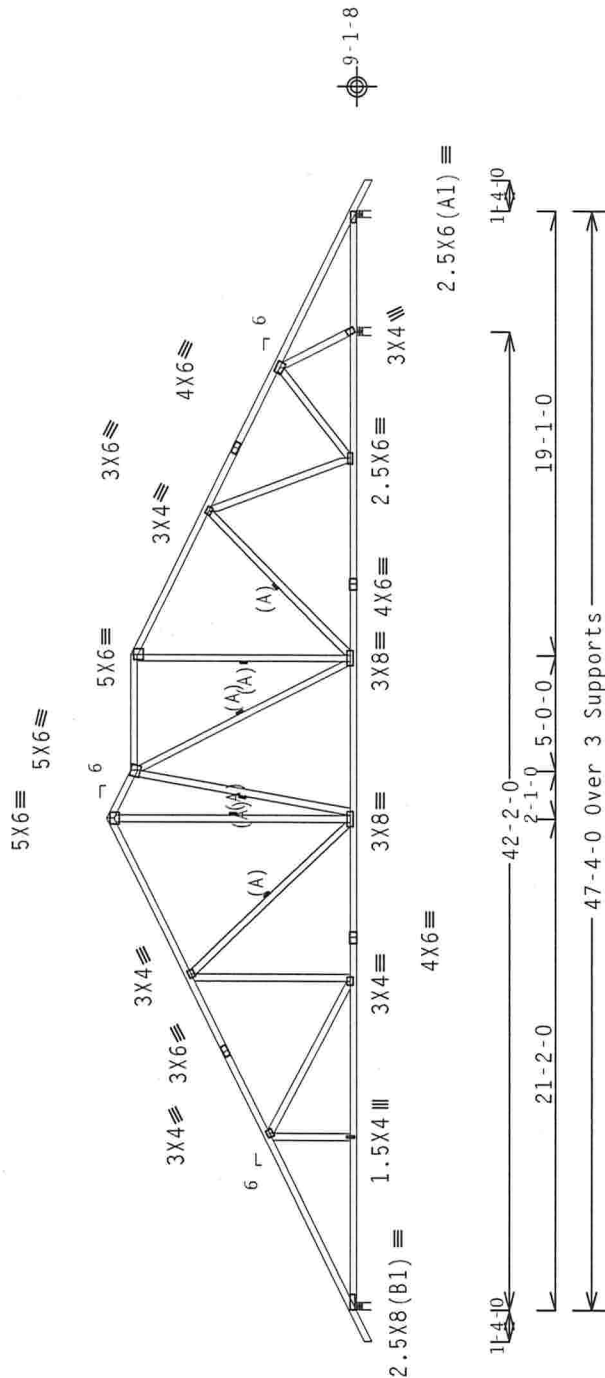
Negative reaction(s) of -214# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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

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



R=1770 U=0 W=4"
RL=266/-266

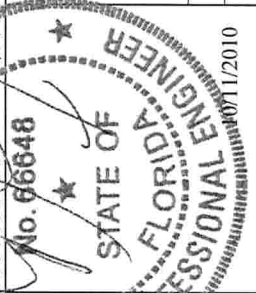
R=-214 RW=72 U=154 W=3.5"

PLT TYP. Wave

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

FL/- /4/- /- /R/- Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R487--	91847
TC DL	10.0 PSF	DATE	10/11/10	
BC DL	10.0 PSF	DRW	HCUSR487	10284015
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	152974	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1U5Y487_Z01	



IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET.
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 Components Safety Information, by TPI and NTC for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
IITW Building Components Group Inc. (IITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or 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-2 For standard plate positions. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility and is not to be removed. The design is the property of IITWBCG and shall not be used for any other project without the written consent of IITWBCG. IITWBCG: www.iitwbcg.com; TPI: www.tpiinc.org; NTC: www.ntcinc.com; ICC: www.iccsafe.org

ALPINE

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

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

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

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

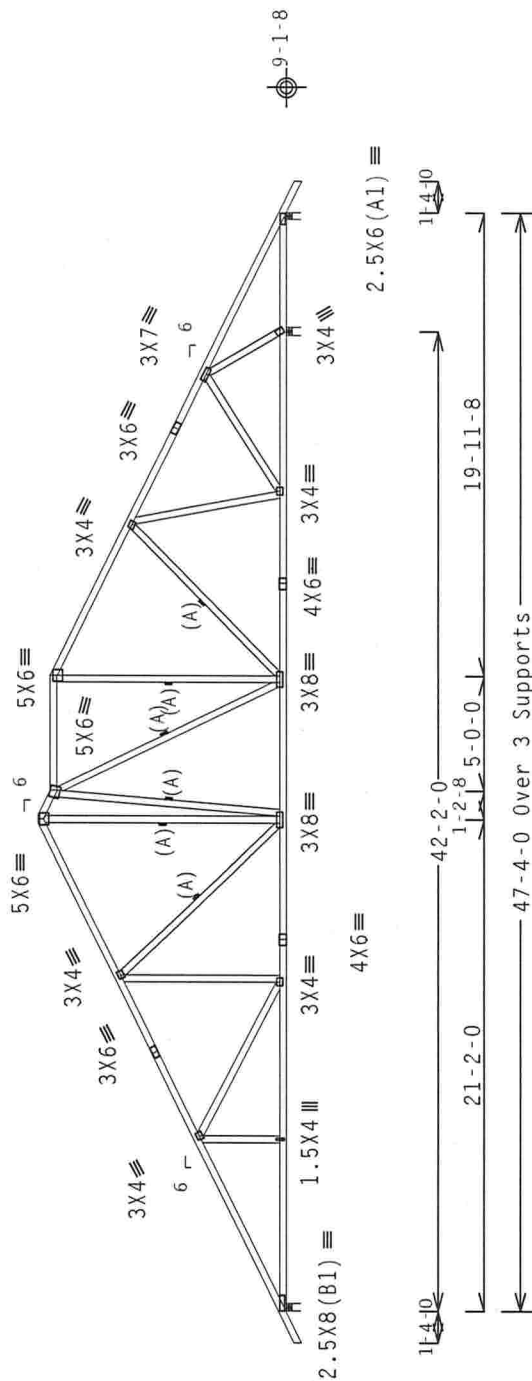
Negative reaction(s) of -200# MAX. (See below) from a non-wind load case requires uplift connection.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MVFRS pressures.

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

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



R=1774 U=0 W=4"
RL=265 / -264

R=-200 RW=77 U=150 W=3.5"

PLT TYP. Wave

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

FL/-/4/-/-/R/-/-
Scale = .125"/Ft.

[illegible]

(10-205--Fill in later
Top chord 2x4 SP #2 De
Bot chord 2x4 SP #2 De
webs 2x4 SP #3

110 mph wind, 15.00 ft mean ht, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

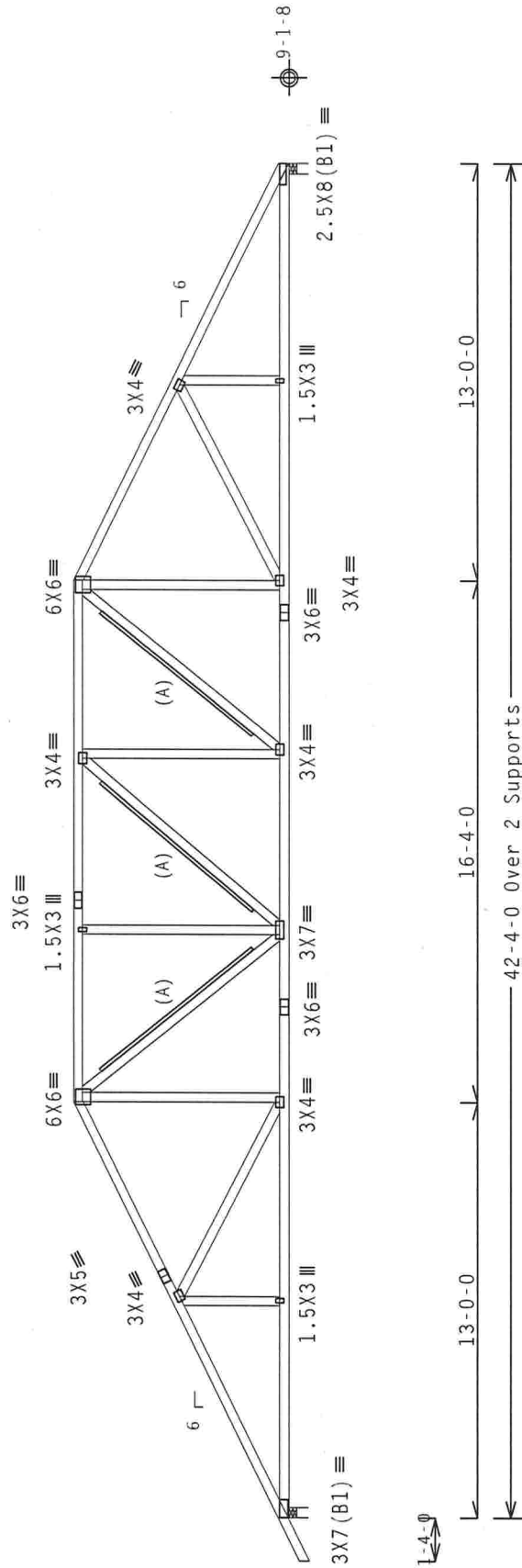
Deflection meets L/240 live and L/180 total load.

Roof overhang supports 2.00 psf soffit load.

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

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

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



R=1834 U=181 W=4"
RL=153/-161

R=1742 U=164 W=4"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2002(STD)
 $FT/RT=10\%(0\%)/0(0)$ BC200/Res/IFI=2002
FT/RT=10%(0%)/0(0)

FL/-/4/-/-/R/-
Scale = .1875"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following latest edition of BEST (Building Component Safety) information, including TP1 and KICA for practices prior to performing these functions. Installers shall provide temporary bracing per KICA 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 web shall have bracing installed per BEST sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TP1 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the joining end of truss. 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/TP1 1 Sec.2. For more information see: This job's general notes page; ITW-BCG; www.itwbcg.com; TP1: www.tp1inst.org; KICA: www.kicaindustry.com; IEC: www.iecsafe.org

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

07/11/2010

TC LL	20.0	PSF	REF	R487 --	91849
TC DL	10.0	PSF	DATE	10/11/10	
BC DL	10.0	PSF	DRW	HCSR487	10284002
BC LL	0.0	PSF	HC-ENG	JB/DF	*
TOT.L.D.	40.0	PSF	SEQN-	152993	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U5Y487_Z01	

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

Roof overhang supports 2.00 psf soffit load.

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

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

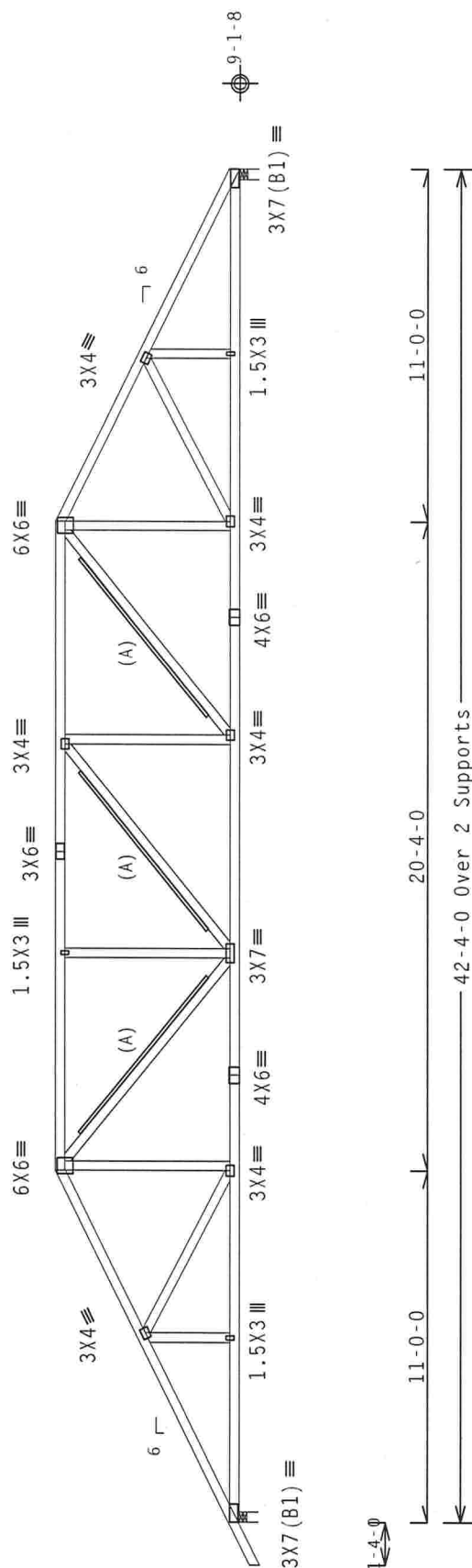
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R=1834 U=184 W=4"
RL=131/-139

42-4-0 Over 2 Supports

R=1742 U=166 W=4"

PLT TYP. Wave

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

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

QTY: 1 FL / - / 4 / - / - / R / - Scale = .1875" / Ft.

TC LL	20.0 PSF	REF R487 -- 91850
TC DL	10.0 PSF	DATE 10/11/10
BC DL	10.0 PSF	DRW HCUSR487 10284003
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 153002
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U5Y487 Z01

[illegible]

ALPINE

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

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

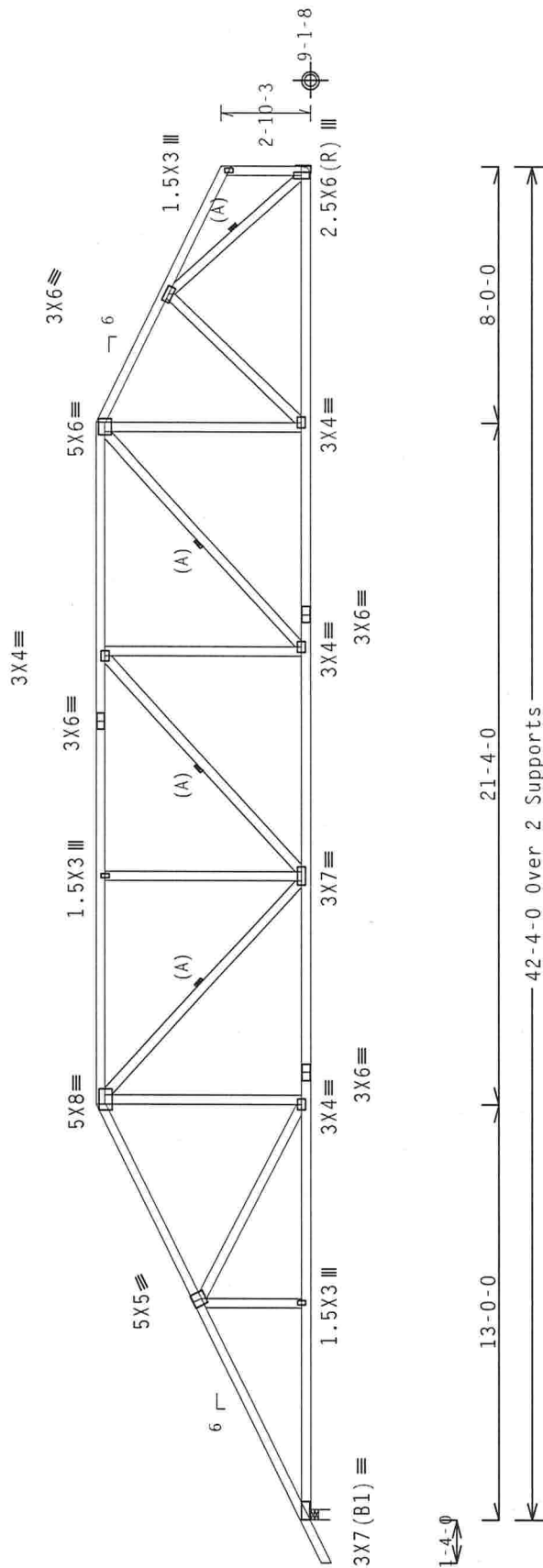
Right end vertical not exposed to wind pressure.

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.

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

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



R=1840 U=181 W=4"
RL=137/-123

R=1736 U=171

PLT TYP. Wave

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

FL/-/4/-/-/R/-
Scale = .1875"/Ft.

[illegible]

(10-205--Fill in later BRYAN ZECHER/JACKSON -- , ** - HM15A)

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

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

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

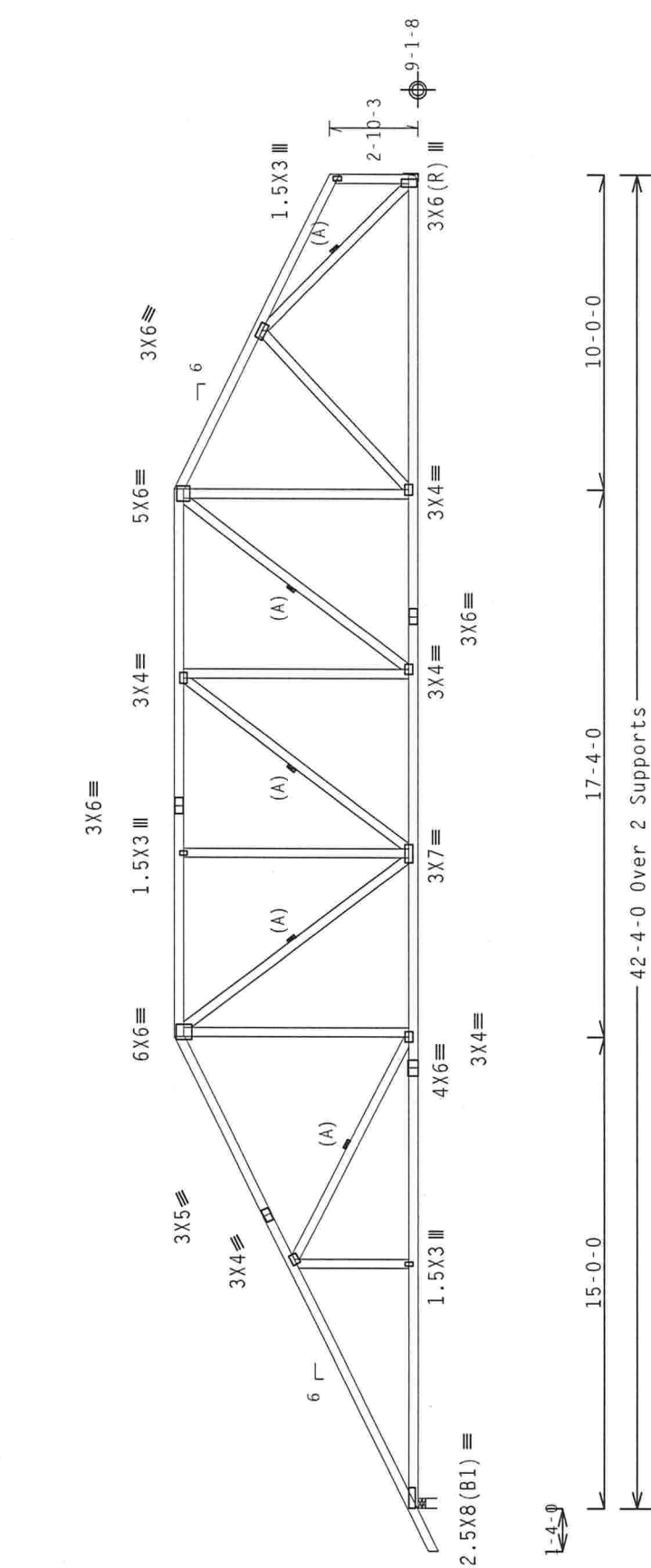
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



R-1840 U=12 W=4"
RL=159/-145

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

PLT TYP. Wave	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 add follow the latest edition of BCSI (Building Component Safety Information, by TPI and WICA) for bracing 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 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 the bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job's details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on 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.tpiinst.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org		Scale = .1875" / Ft.	
	ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	QTY 1	FL / - / 4 / - / R / -	REF R487 - - 91855
		9.05	03.0319.17	DATE 10/11/10
		No. 66648		DRW HCUR487 10284020
				HC-ENG JB/DF
				SEQN- 153172
				DUR.FAC. 1.25
				SPACING 24.0"
				JREF- 1U5Y487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

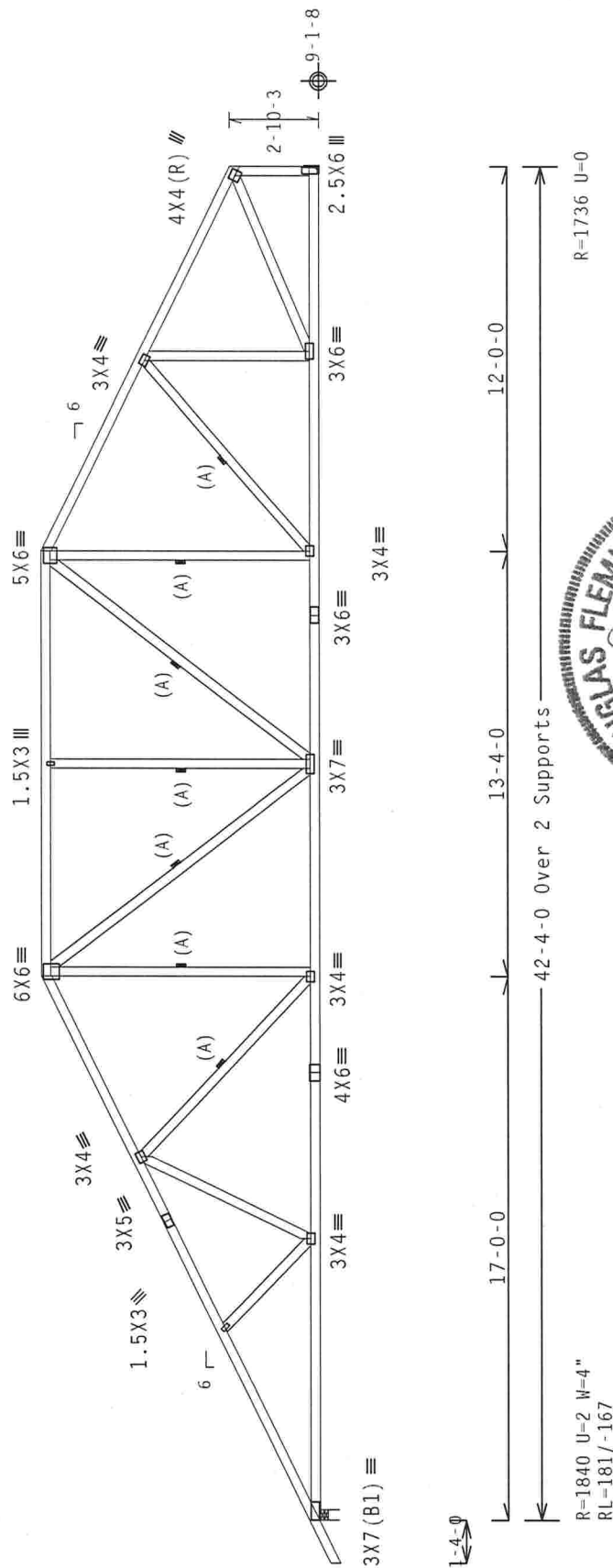
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



R=1840 U=2 W=4"
RL=181 / -167

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

PLT TYP. Wave

FL/-/4/-/-/R/-/-
Scale = .1875"/Ft.

ALPINE

nTW Building Components Group Inc.

Haines City, FL 33844

EL COA #0 278

10/11/2010

JREF - 1U5Y487_Z01

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

****IMPORTANT** FURNISH THESE DATA TO ALL CONTRACTORS INCLUDING INSTALLERS.**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the literature and BCSI design manual for complete instructions. Trusses shall be braced and protected prior to erection. Truss manufacturer shall provide temporary bracing per BCSI manual. 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

nTW Building Components Group Inc. (1114BGS) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint and Details, unless noted otherwise. Refer to drawings 1600A-2 For standard plate positions. A seal on the 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 user. For more information, contact: nTW Building Components Group, Inc. This job's general contact person is: TPI: www.tpi1net.org; NTCA: www.ntcaindustry.com; ICC: www.iccsafe.org

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

10/11/2010

TC LL	20.0	PSF	REF	R487--	91856
TC DL	10.0	PSF	DATE	10/11/10	
BC DL	10.0	PSF	DRW	HCUSR487	10284021
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	153181	
DUR.FAC.	1.25				
SPACING	24.0"				

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

(A) Continuous lateral bracing equally spaced on member.

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

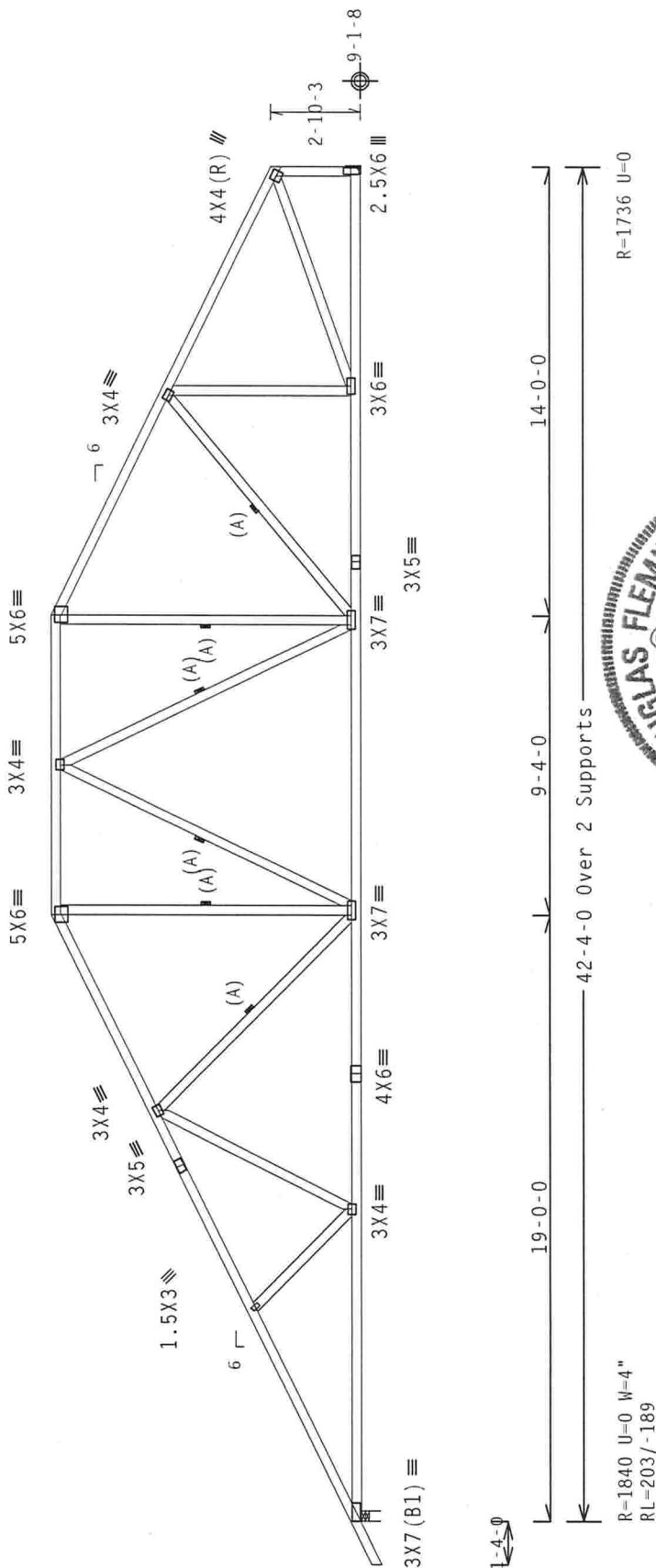
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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

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



R=1840 U=0 W=4"
RL=203/-189

Design Crit: FBC2007Res/TPI-2002 (STD)

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

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

Scale = .1875" / Ft.

FT/RT=10%(0

****IMPORTANT**** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following information for details regarding the design and installation of trusses. Truss installers shall follow the latest edition of BGSI (Building Component Safety Information, by IPI and hVCA) for all trusses. Truss installers shall provide temporary bracing per BGSI.

Truss installers are responsible for providing adequate bracing for all trusses. Truss installers shall have a properly attached structural sheathing and bottom chord bracing installed per BGSI sections 83, B7 or B80, as applicable.

[illegible]

ALPINE

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

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - HS15A)

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

Left end vertical not exposed to wind pressure.

(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.

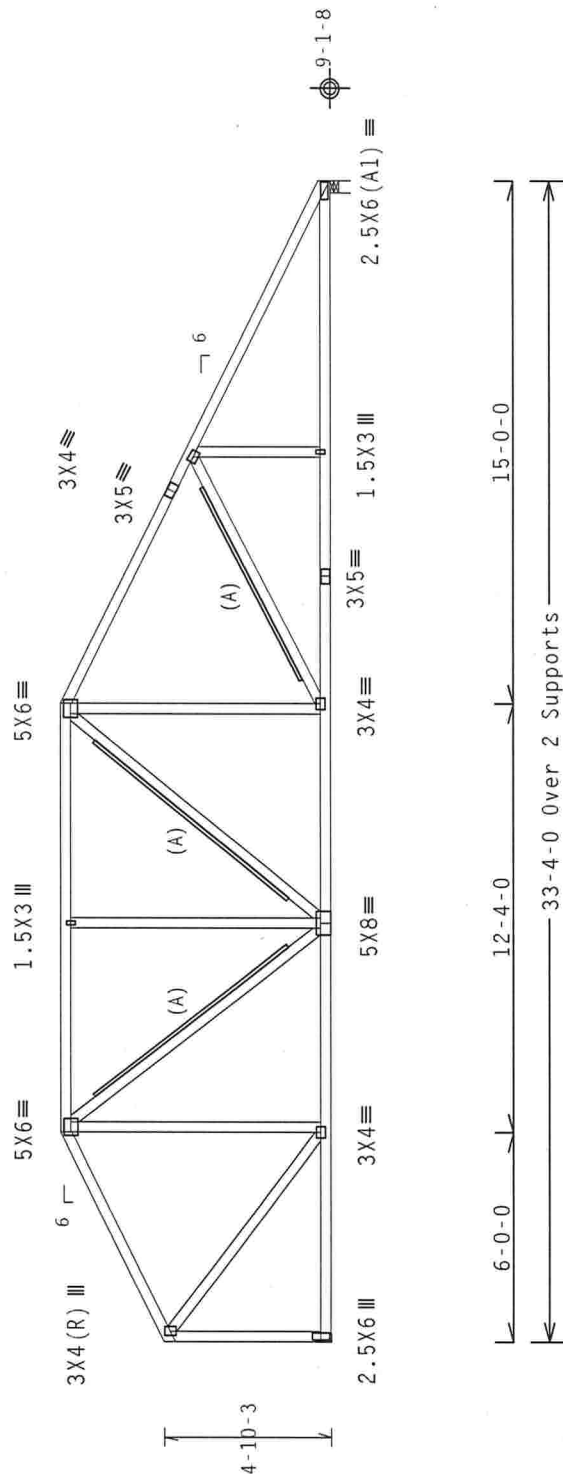
WFRS loads based on trusses located at least 15.00 ft. from roof edge.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R=1367 U=16
RL=87/-132

PLT TYP. Wave

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

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

IMPORTANT: FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Reader to consult the latest edition of BCSI (Building Component Safety Information) by IPI and HICA for recommended practices prior to performing these functions. Installers shall provide temporary bracing per BCSI and shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraining webs shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

ALPINE

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

$P_{\text{eff}}=1379$ U=10 W=4"

FL/-/4/-/-/R/-/- Scale = .1875" /Ft.

TC LL	20.0	PSF	REF	R487--	91858
TC DL	10.0	PSF	DATE	10/11/10	
BC DL	10.0	PSF	DRW	HCUSR487	10284023
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	152784	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U5Y487_Z01	

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

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Left end vertical not exposed to wind pressure.

(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.

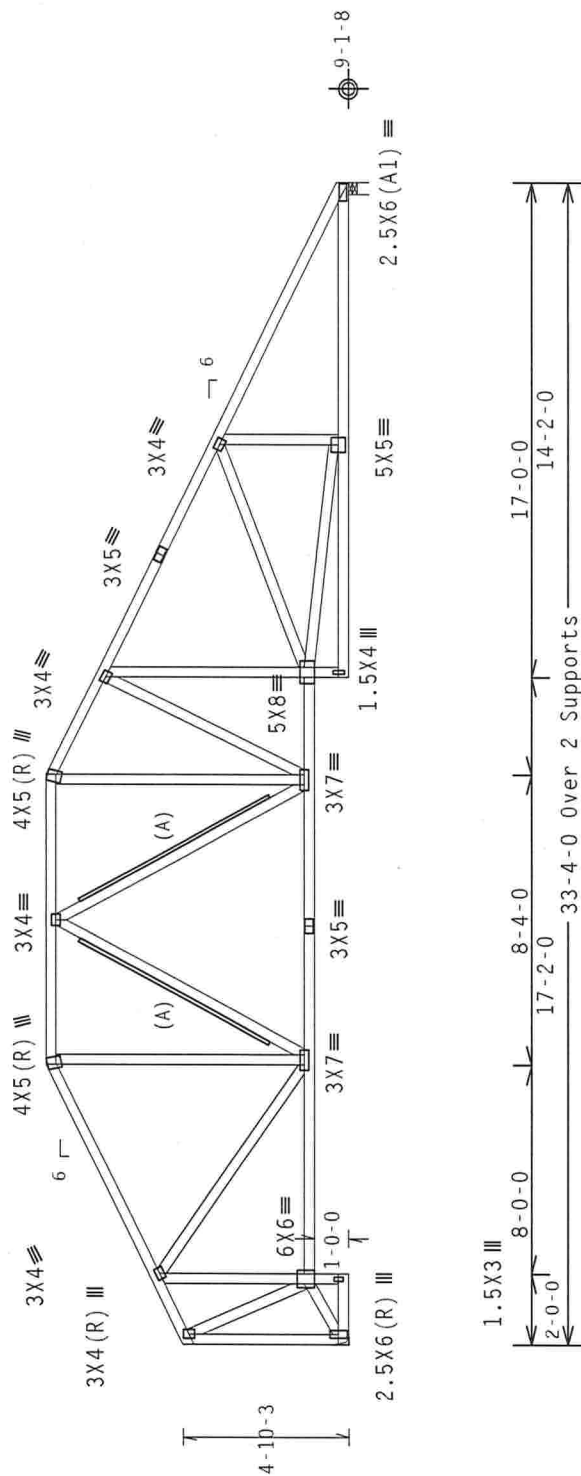
Bottom chord checked for 10.00 psf non-concurrent live load.

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

Wind reactions based on MWFRS pressures.

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

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



R=1367 U=0
RL=109/-153

Design Crit: FBC2007Res/TPI-2002 (STD)

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

FL/-/4/-/-/R/-/-
Scale = .1875" / Ft.

FT/RT=10%(0

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by TPI and NICA for instructions and details for proper bracing. Installers shall provide temporary bracing per the instructions 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

[illegible]

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

Haines City, FL 33844
FL COA #0278

10/11/2010

24 00

JREF- 1U5Y487_Z01

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

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

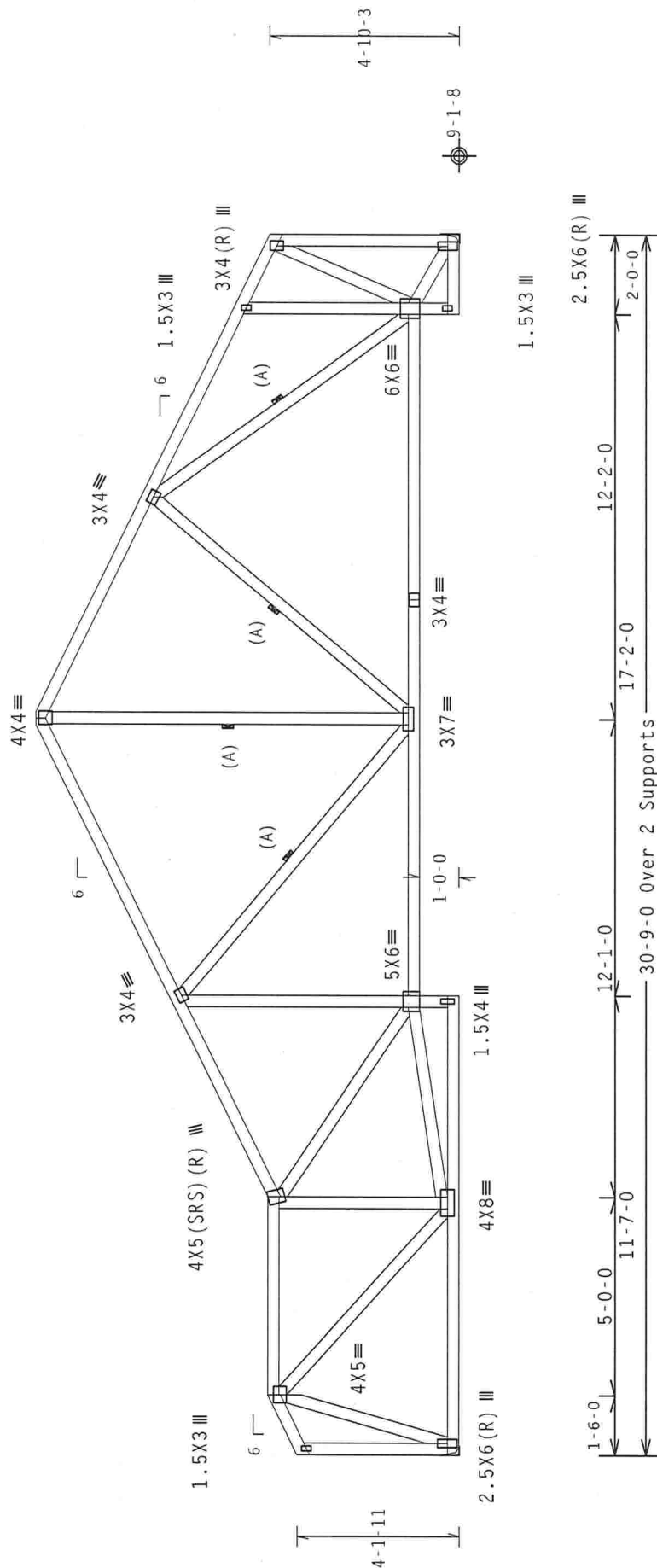
MWFRS loads based on trusses located at least 16.62 ft. from roof edge.

1110 mph wind, 16.62 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R=1266 U=0
RL=136 / -129

PLT TYP. Wave

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

READ CAREFULLY TO AVOID ACCIDENTS, INJURY AND LOSS OF LIFE

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Please refer to and follow the latest edition of BCSP Building Component Safety Information, by IPI and NICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSP. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral restraints shall be braced. Trusses shall have bracing installed per BCSP sections 83, 87 or B10, as applicable.

IPI Building Components Group Inc. (IIBG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the bottom chord. The bottom chord shall be braced as shown. The top chord shall be braced as shown. The bracing and cover plate 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/IPI 1, Sec.2. For more information see: This Job's general notes page; IIB-BCG.com; IPI: www.ipi1.org; NICA: www.nicainst.com;

Scale = .25"/Ft.

TC LL	20.0	PSF	REF R487-- 91860
TC DL	10.0	PSF	DATE 10/11/10
BC DL	10.0	PSF	DRW HCUR487 10284025
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 152872
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U5Y487_Z01

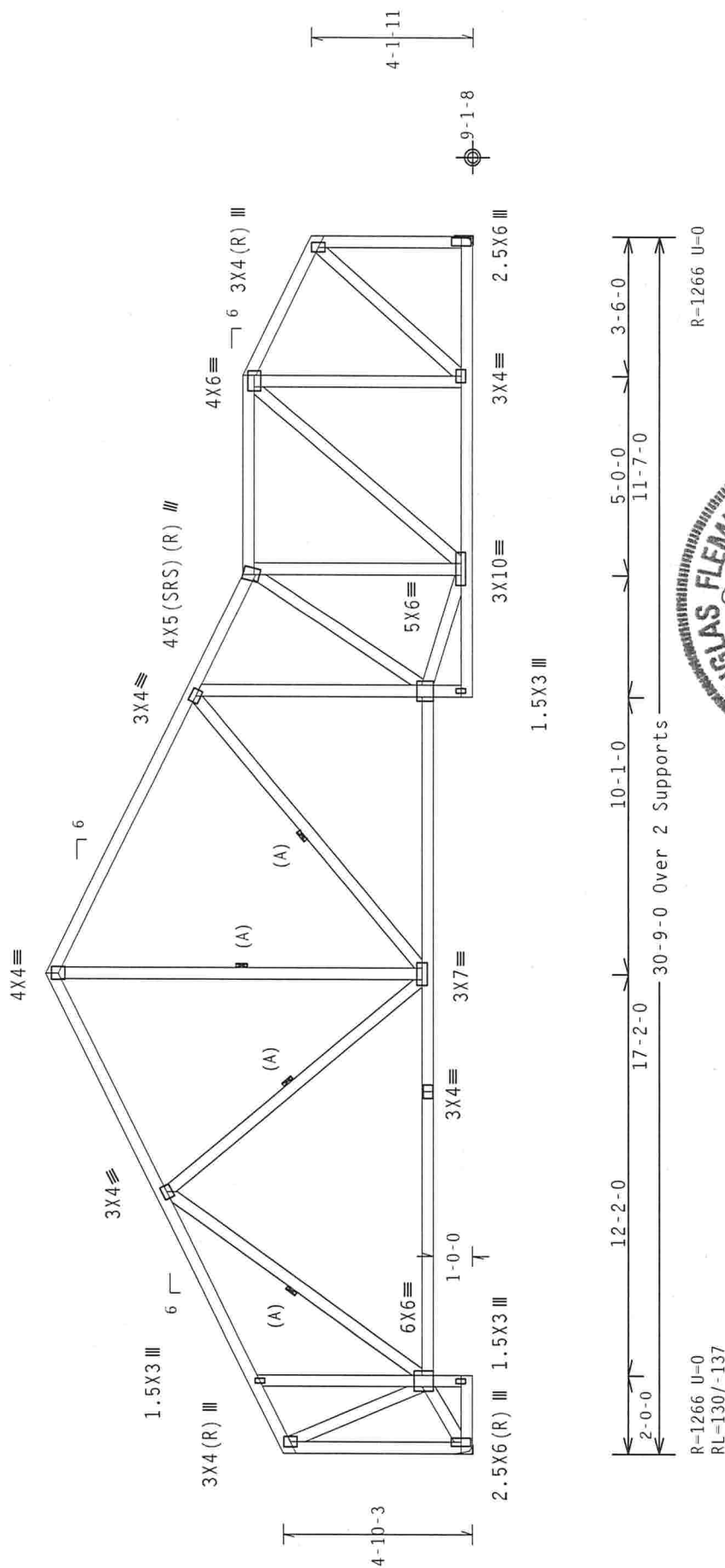
1110 mph wind, 16.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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

MWFRS loads based on trusses located at least 16.66 ft. from roof edge.



R=1266 U=0
RL=130/-137

PLT TYP. Wave

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

FL/-/4/-/-/R/-
Scale = .25"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL CO# 00 278

10/11/2010

JREF- 1U5V487_Z01

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

****WARNING**** BEAD AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following notes and drawings for details. Trusses are to be installed using the following practices prior to performing these functions. Installer shall provide temporary bracing per ANSI 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 to be shall have bracing installed per BCS sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/P1 1, or for handling, shipping, installation or 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 I00a-2 For standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering and the responsibility of the Building Designer per ANSI/P1 1 Sec. 2. For more information see: This job's general notes page; ITW-BG: www.itwbg.com; P1: www.tpinst.org; NCA: www.sbcindustry.com; ICC: www.iccsafe.org

No. 06648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

10/11/2010

JREF- 1U5V487_Z01

TC LL	20.0	PSF	REF	R487--	91861
TC DL	10.0	PSF	DATE	10/11/10	
BC DL	10.0	PSF	DRW	HCURS487	10284026
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	152841	
DUR.FAC.	1.25				
SPACING	24.0"				

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

End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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

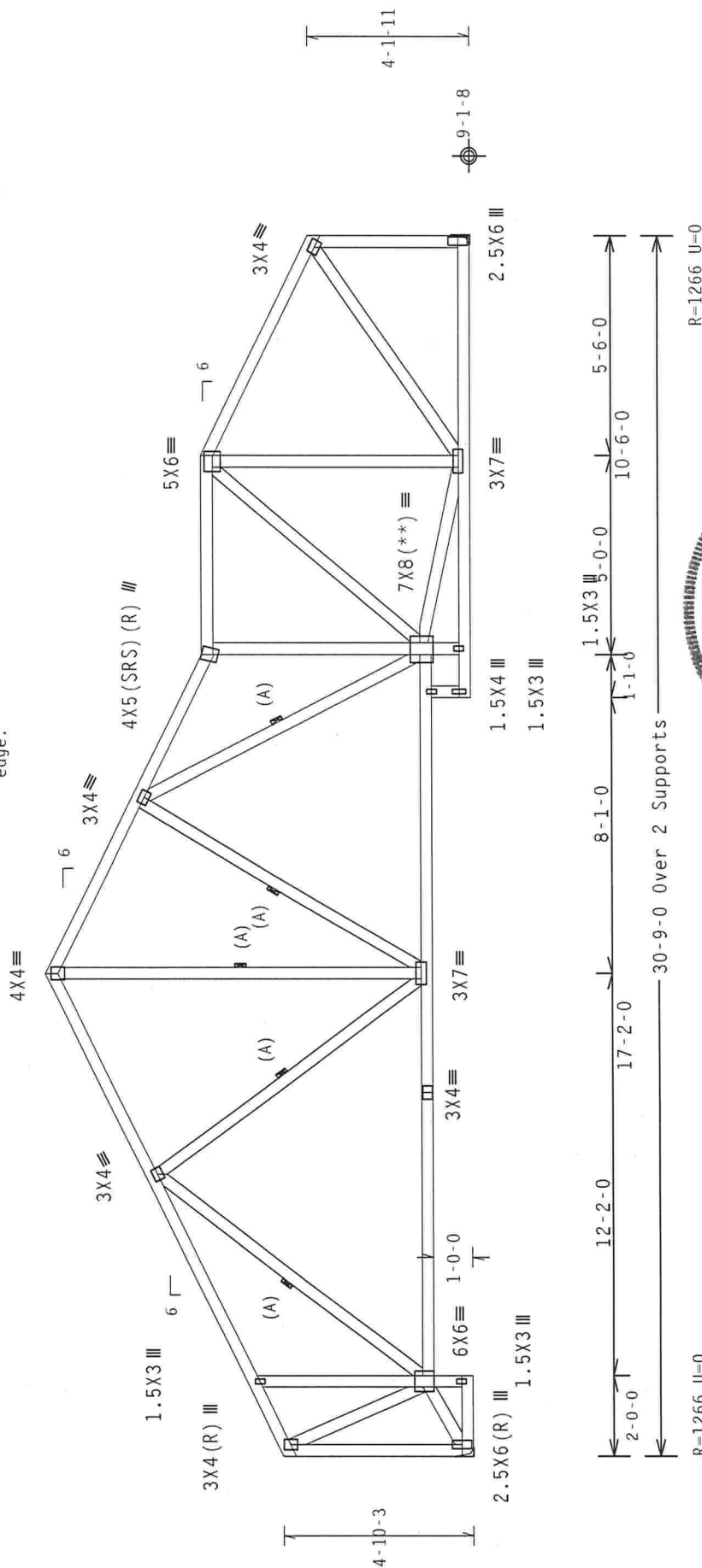
(**) 1 plate(s) require special positioning. Refer to scaled plate lot details for special positioning requirements.

11110 mph wind, 16.66 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind EC DL=5.0 psf. 1w=1.00 gCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

MMFRS loads based on trusses located at least 16.66 ft. from roof edge.



R=1266 U=0
RL=130/-137

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

PLT TYP. Wave

Scale = .25"/Ft.

[illegible]

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - AT3)

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

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

Left end vertical not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

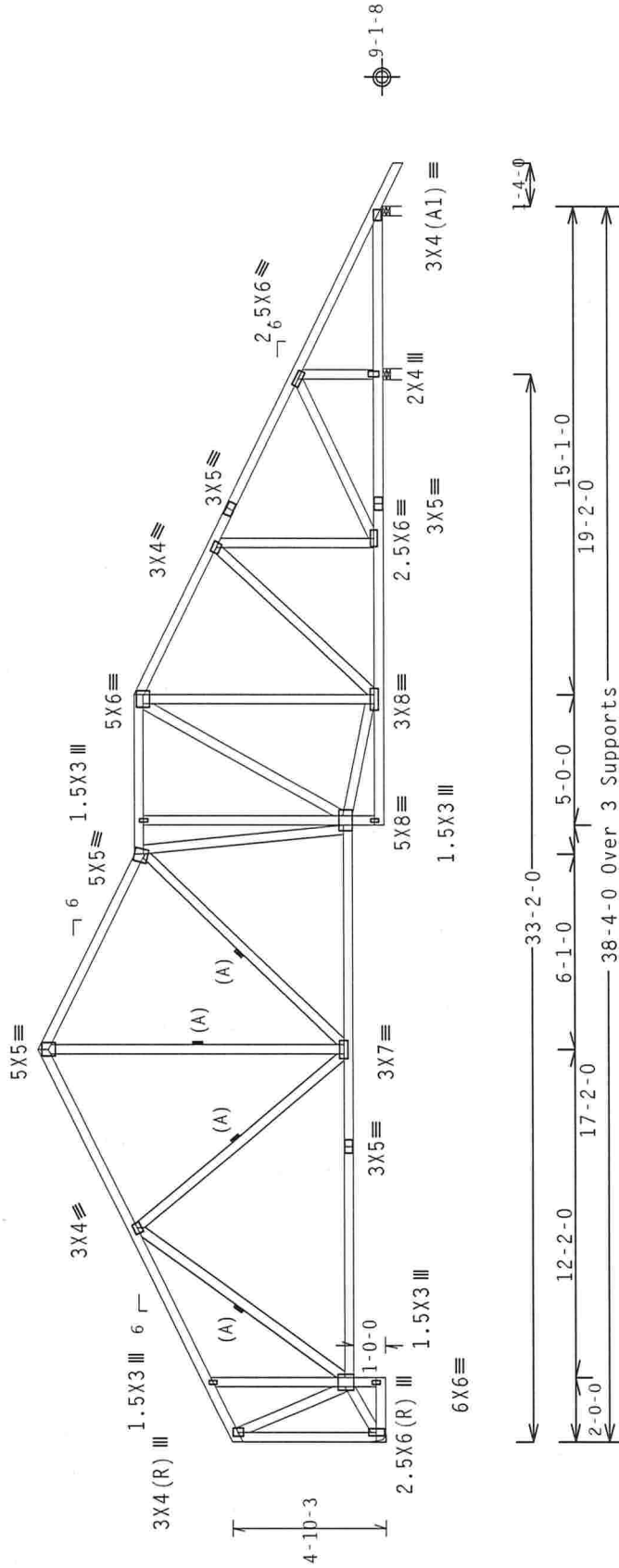
(A) Continuous lateral bracing equally spaced on member.

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.

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

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



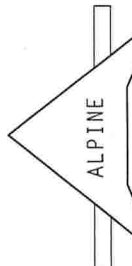
R-1329 U=0
RL=177/-211

R-1835 U=0 W=4"
R=82 RW=87 U=47 W=3.5"

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

PLT TYP. Wave

Scale = .1875"/Ft.

 ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. 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 IPI and WICA) for safe practices prior to performing these functions. Installers shall provide temporary bracing for all trusses. Trusses 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 the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the job site. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The sealability and use of this design for any structure other than that for which it was designed is the responsibility of the user. For more information see: This job page, BCSI, www.bcsinfo.org, www.iTWBCG.com, TPI: www.tpiinst.org; WICA: www.sectra.org.			
	TC LL	20.0 PSF	REF	R487 -- 91864
	TC DL	10.0 PSF	DATE	10/11/10
	BC DL	10.0 PSF	DRW	HCUSR487 10284029
	BC LL	0.0 PSF	HC-ENG	JB/DF
	TOT.LD.	40.0 PSF	SEQN-	152912
	DUR.FAC.	1.25	JREF- 1U5Y487_Z01	
	SPACING	24.0"		

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - H9AT)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #3 :B3, B4 2x6 SP #2:
Webs 2x4 SP #3 :W8, W9 2x4 SP #2 Dense:
Filler 2x4 SP #2 Dense

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

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

Calculated horizontal deflection is 0.15" due to live load and 0.16" due to dead load.

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

Left side jacks have 9-0-0 setback with 0-0-0 cant and 1-4-0 overhang.
End jacks have 9-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 9-0-0 setback with 0-0-0 cant and 1-4-0 overhang.

2 COMPLETE TRUSSES REQUIRED

Nail Schedule: 0.131"x3" nails
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @12.00" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

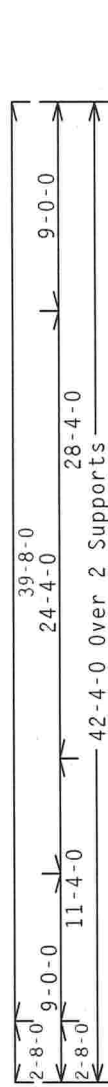
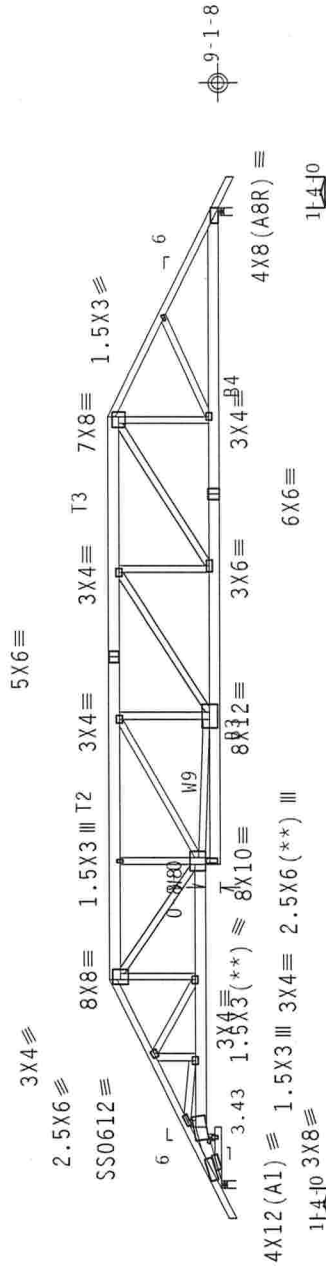
Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

#1 hip supports 9-0-0 jacks W/2 panel TC and no end vert.

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

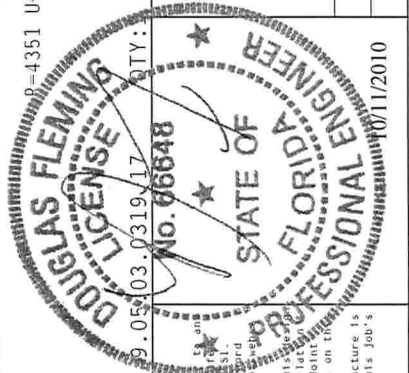


R-4358 U-399 W=4"

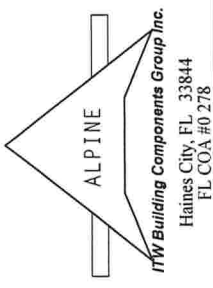
PLT TYP. 18 Gauge HS, Wave Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R487 --	91865
TC DL	10.0 PSF	DATE	10/11/10	
BC DL	10.0 PSF	DRW	HCSR487	10284038
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	153265	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1U5Y487_Z01	



WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for best practices prior to performing these tasks.
The trusses shall be installed in accordance with the manufacturer's instructions. The trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.
IPI Building Components Group Inc. (IPI/BCG) shall not be responsible for any deviation from these instructions.
any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the 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 Section 1.1.1. This job is the property of IPI/BCG. IPI/BCG: www.ipeco.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org



(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - H7B)

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind
BC DL=5.0 psf. $I_w=1.00$ GCp1(+/-)=0.18

Wind reactions based on MMFRS pressures.

Roof overhang supports 2.00 psf soffit load.

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

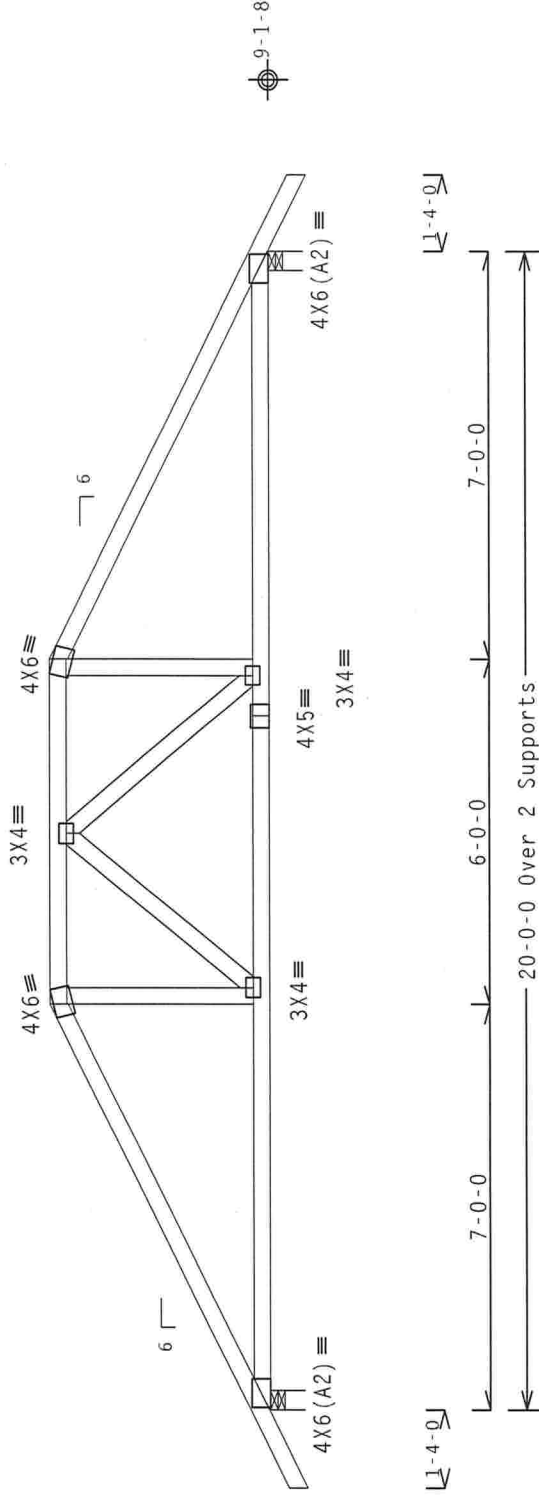
#1 hip supports 7-0-0 jacks with no webs.

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

Special loads

----- (Lumber) Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 62 plf at -1.33 to 62 plf at 7.00
TC- From 31 plf at 7.00 to 31 plf at 13.00
TC- From 62 plf at 13.00 to 62 plf at 21.33
BC- From 4 plf at -1.33 to 4 plf at 0.00
BC- From 20 plf at 0.00 to 20 plf at 7.03
BC- From 10 plf at 7.03 to 10 plf at 12.97
BC- From 20 plf at 12.97 to 20 plf at 20.00
BC- From 4 plf at 20.00 to 4 plf at 21.33
TC- 432.83 lb Conc. Load at 7.03, 12.97
TC- 188.65 lb Conc. Load at 9.06, 10.94
BC- 510.16 lb Conc. Load at 7.03, 12.97
BC- 129.14 lb Conc. Load at 9.06, 10.94

Left side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.
End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right
side jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang.



R-2050 U-292 W-4"

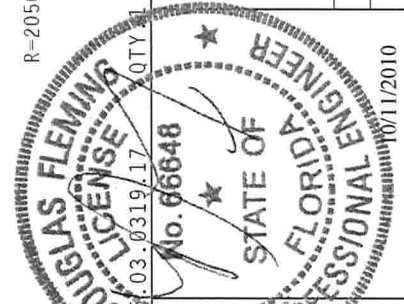
R-2050 U-292 W-4"

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

Scale = .3125"/Ft.

PLT TYP. Wave

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to a
follow the latest edition of BCSI (Building Component Safety Information, by IPI and NICA) for
practices prior to performing these functions. Installers shall provide temporary bracing and bottom chord
bracing to maintain the structural integrity of the truss during installation and shipping. The truss
shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint webs.
shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the
any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or
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-2 for standard plate positions. A seal on
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.2.2. For more information see:
ITWBCG: www.itwbcg.com; TPI: www.tpiinst.org; NICA: www.nicaindust.org;
ICC: www.iccsafe.org



REF	R487--	91866
DATE	10/11/10	
DRW	HCUSR487 10284039	
HC-ENG	JB/DF	
SEQN-	152713	
DUR.FAC.	1.25	
SPACING	24.0"	

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

(10-205--Fill in later BRYAN ZECHER/JACKSON -- , ** - H9B)

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

Roof overhang supports 2.00 psf soffit load.

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

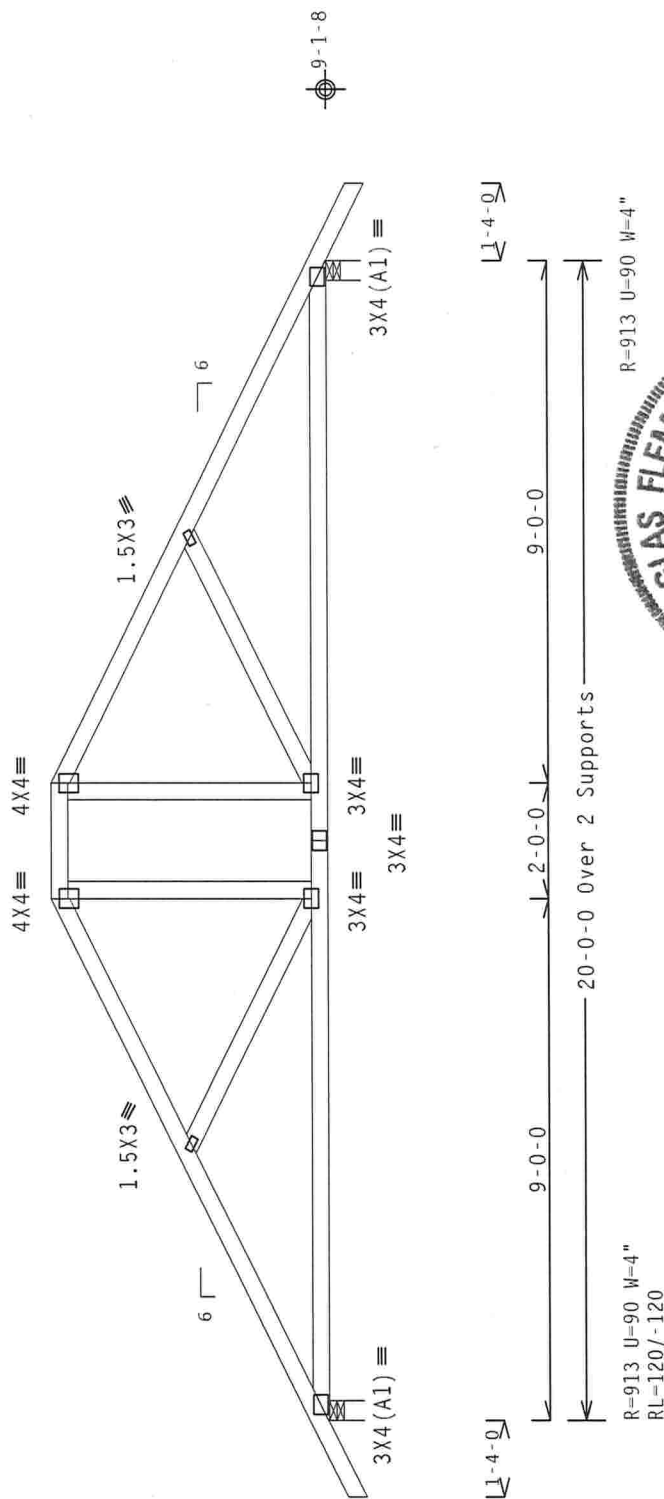
Deflection meets L/240 live and L/180 total load.

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

Wind reactions based on MWFRS pressures.

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

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

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

PLT TYP. Wave

Scale = .3125"/Ft.

ALPINE

Alpine Building Components Group Inc.

Haines City, FL 33844

Phone: 888.446.7378

FLORIDA PROFESSIONAL ENGINEER

No. 66648

DATE: 10/11/2010

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

****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPANIONS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IPI and HICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing and blocking to support the trusses and shall be properly attached rigid ceiling. Locations shown for permanent lateral restraining of webs shall have bracing installed per BCSP sections B3, B7 or E10, as applicable.

TIW Building Components Group Inc. (TIWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Notes. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the 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; in-BCG: www.tiwbcc.com; in-TIWB: www.tiwb.com; in-BCG: www.bocindustry.com;

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 91867

DATE 10/11/10

DRW HCUSR487 10284004

HC-ENG JB/DF *

SEQN- 152722

JREF- 1U5Y487_Z01

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - B)

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

Roof overhang supports 2.00 psf soffit load.

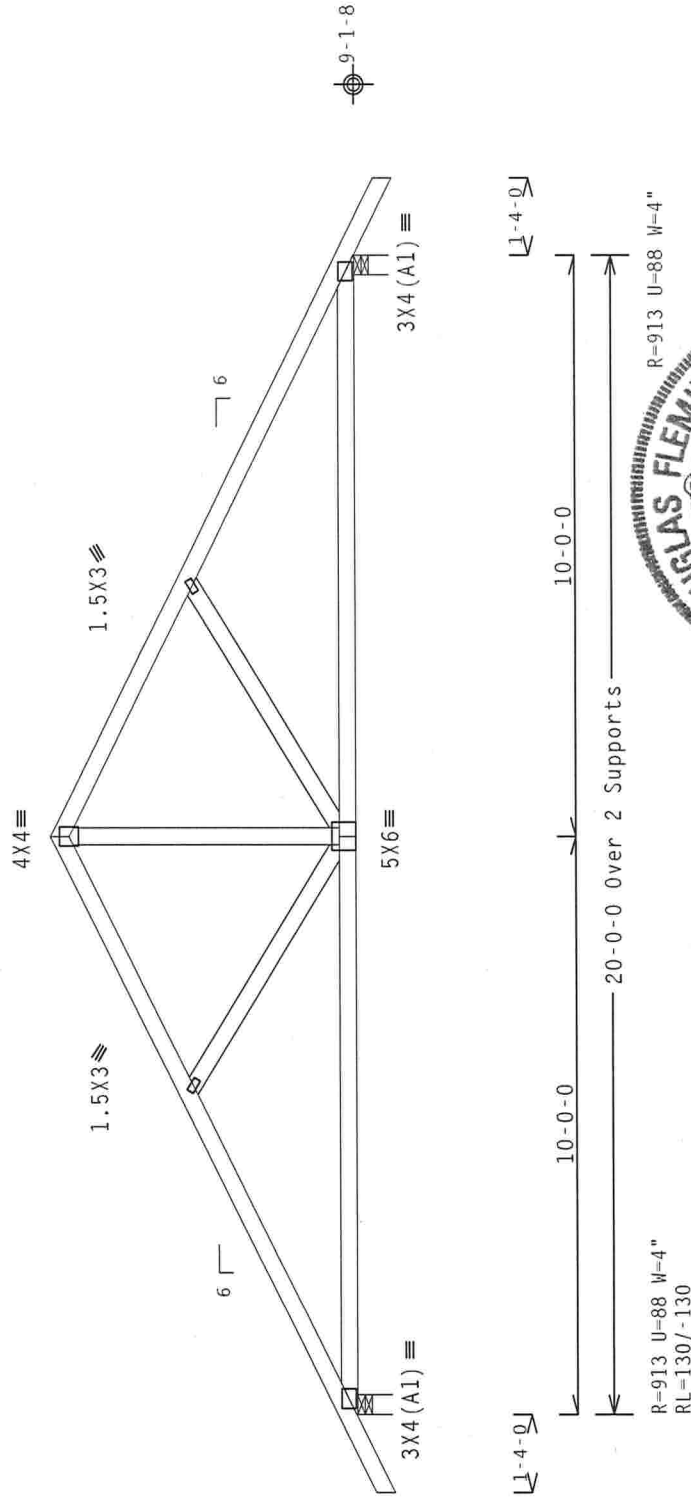
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

Wind reactions based on MWFRS pressures.

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



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

Scale = .3125"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 (STD) FT/RT=10%(0%)/0(0)		DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/11/2010		FL / - / 4 / - / - / R / -		Scale = .3125" / Ft.	
			IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.				TC LL		REF R487 -- 91868	
			Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) for best 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 shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.				TC DL		DATE 10/11/10	
			ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation or bracing of trusses. Apply plates to each rafter of truss and position as shown above and on the Joint Details; unless noted otherwise, refer to drawing for details. 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.itw-bcg.com; TPI: www.tpiinst.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org				BC DL		DRW HCUSR487 10284005	
							BC LL		HC-ENG JB/DF *	
							TOT. LD.		SEQN- 152730	
						DUR. FAC. 1.25				
						SPACING 24.0"		JREF- 1U5Y487_Z01		

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Components Safety Institute) for details on proper handling and bracing. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord 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 or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, 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-2 for standard plate positions. A seal on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering structure is responsibility solely for the design shown. The design is not to be used for any other purpose. For more information see: This job's general notes page: ITH-BGS: www.ithbgs.com; TPI: www.tpinst.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org

2 COMPLETE TRUSSES REQUIRED

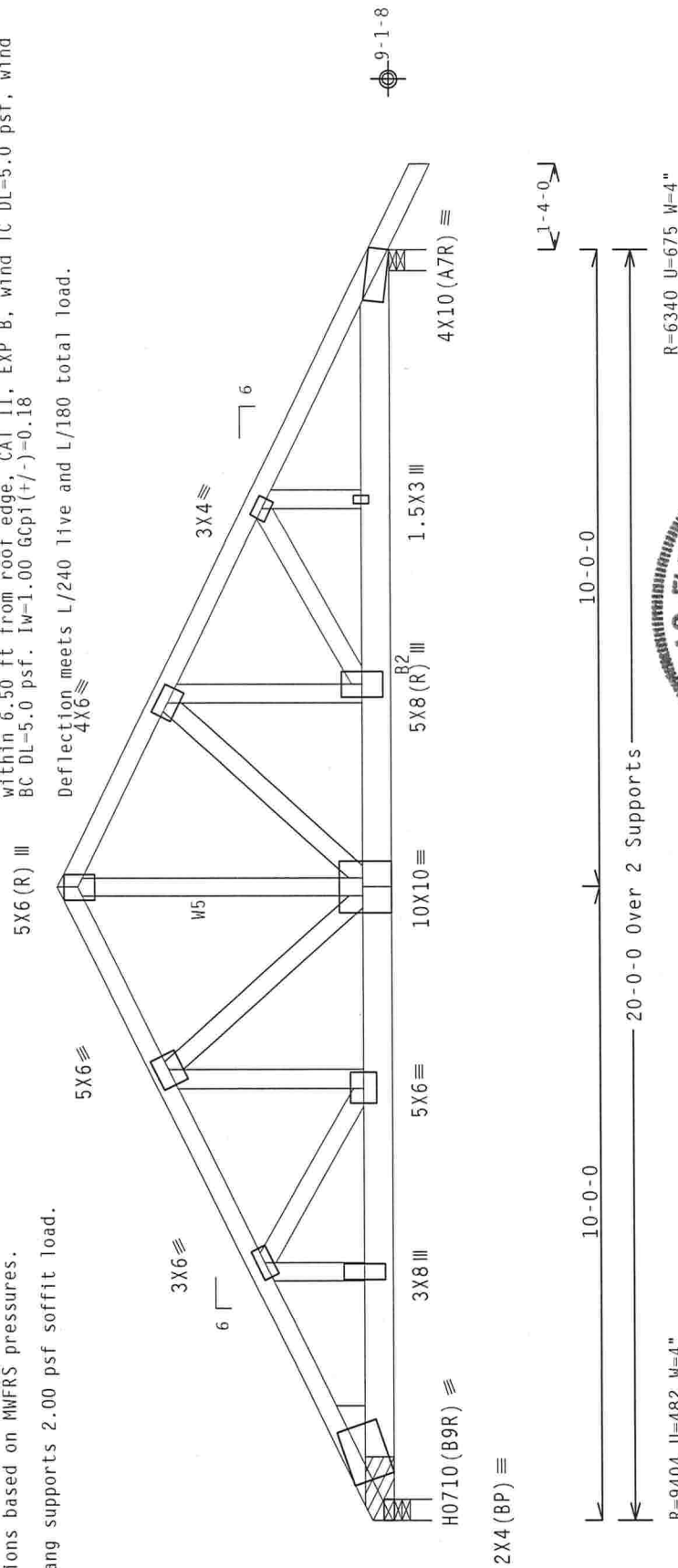
Bot ChnFD 2x6 SP SS :B2 2x6 SP #1 Dense:
 Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:
 :Lt Wedge 2x6 SP #2:

Special loads

Species	Sexes	Lumber	Dur. Fac.=1.25	Plate	Dur. Fac.=1.25)
TC	From	62 plf at 0.00 to	62 plf at 10.00		
TC	From	62 plf at 10.00 to	62 plf at 21.33		
BC	From	10 plf at 0.00 to	10 plf at 12.88		
BC	From	20 plf at 12.88 to	20 plf at 20.00		
BC	From	4 plf at 20.00 to	4 plf at 21.33		
BC	1735.56 lb	Conc. Load at 0.94,	2.94,	4.94,	6.94
8.94,	10.94				
BC	3722.67 lb	Conc. Load at 12.88			

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.



P=9404 II=482 W=4"

PLT TYP. 20 Gauge HS.Wave

FL 1 - 141 - 1 - R1 - Scale = .375" / Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

888.446.4278

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 IPI and WICA) for best practices prior to performing these functions. Installers shall provide temporary bracing per BCSI unless noted otherwise, top chord bracing per BCSI and permanent lateral restraint bracing per BCSI shall have bracing installed per BCSI sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design, any fabrication, the truss in conformance with ANSI/IPI 1.1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joining Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal on the 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/IPI 1.1 Sec.2.4. For more information see the general notes page: www.itw-bcg.com/itwbcg.cfm; IPI: www.ipiinst.org; WICA: www.structure.com/itwbcg.cfm

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

10/11/2010

TC LL	20.0	PSF	REF	R487 --	91870
TC DL	10.0	PSF	DATE	10/11/10	
BC DL	10.0	PSF	DRW	HCUSR487	10284052
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	153197	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U5Y487_Z01	

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - H1C)

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

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

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

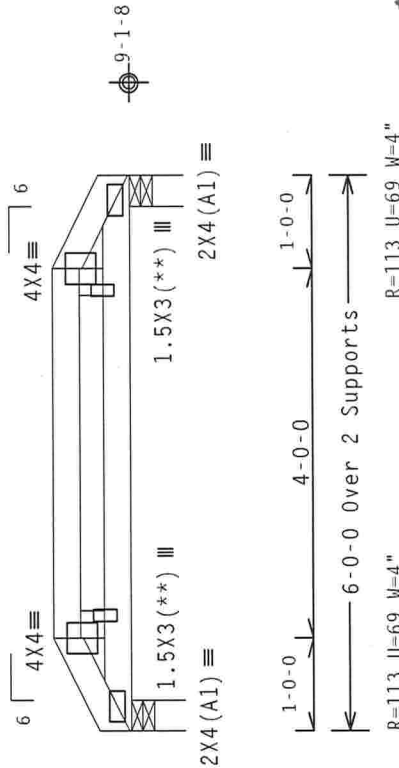
Wind reactions based on MWFRS pressures.

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

Special loads

-----Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25
TC- From 62 plf at 0.00 to 62 plf at 1.00
TC- From 31 plf at 1.00 to 31 plf at 5.00
TC- From 62 plf at 5.00 to 62 plf at 6.00
BC- From 10 plf at 0.00 to 10 plf at 6.00
TC- -32.96 lb Conc. Load at 1.04, 4.96
TC- -15.22 lb Conc. Load at 3.00
BC- -4.35 lb Conc. Load at 1.04, 4.96
BC- 7.04 lb Conc. Load at 3.00

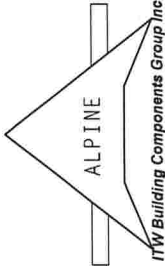
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



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

PLT TYP. Wave

Scale = .5"/Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of the International Building Code (IBC) and the American Institute of Steel Construction (AISC) Manual for all applicable provisions. Truss members shall be properly braced during erection and use. Truss members shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCS sections 83, 87 or B10, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal of the professional engineer responsible for this design shall be placed on this drawing. Indicates acceptance of professional engineering responsibility for 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.tpinet.org; MICA: www.sbctindustry.com; ICC: www.iccsafe.org		9.08.03.0319.17	QTY 1	FL/- /4/- /- /R/-	Scale = .5"/Ft.
	TC LL	20.0 PSF	REF	R487--	91871	
	TC DL	10.0 PSF	DATE	10/11/10		
	BC DL	10.0 PSF	DRW	HCUSR487	10284040	
	BC LL	0.0 PSF	HC-ENG	JB/DF		
TOT.LD.		40.0 PSF	SEQN-	152681		
DUR.FAC.		1.25				
SPACING		24.0"	JREF-	1U5Y487_Z01		

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

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 450 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18

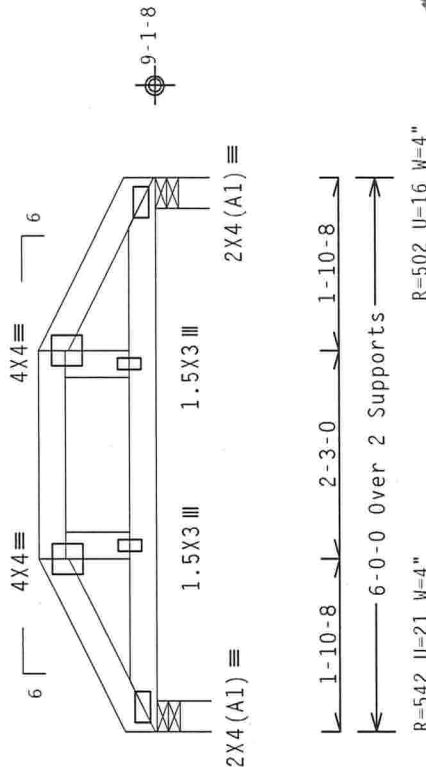
Wind reactions based on MWFRS pressures.

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

Special loads

Material	Unit	Quantity	Unit Price	Total Price	Material	Unit	Quantity	Unit Price	Total Price
1. Timber	m ³	1.25	1.25	1.56	2. Plate	m ²	62	1.25	77.50
2. TC	From	0.00	0.00	0.00	3. From	From	62	1.25	77.50
3. TC	From	1.87	1.87	3.50	4. From	From	62	1.25	77.50
4. TC	From	4.13	4.13	17.14	5. From	From	62	1.25	77.50
5. TC	From	0.00	0.00	0.00	6. From	From	62	1.25	77.50
6. TC	From	3.73	3.73	13.90	7. From	From	62	1.25	77.50
7. TC	From	3.73	3.73	13.90	8. From	From	62	1.25	77.50
8. TC	From	3.73	3.73	13.90	9. From	From	62	1.25	77.50
9. TC	From	3.73	3.73	13.90	10. From	From	62	1.25	77.50
10. TC	From	3.73	3.73	13.90	11. From	From	62	1.25	77.50
11. TC	From	3.73	3.73	13.90	12. From	From	62	1.25	77.50
12. TC	From	3.73	3.73	13.90	13. From	From	62	1.25	77.50
13. TC	From	3.73	3.73	13.90	14. From	From	62	1.25	77.50
14. TC	From	3.73	3.73	13.90	15. From	From	62	1.25	77.50
15. TC	From	3.73	3.73	13.90	16. From	From	62	1.25	77.50
16. TC	From	3.73	3.73	13.90	17. From	From	62	1.25	77.50
17. TC	From	3.73	3.73	13.90	18. From	From	62	1.25	77.50
18. TC	From	3.73	3.73	13.90	19. From	From	62	1.25	77.50
19. TC	From	3.73	3.73	13.90	20. From	From	62	1.25	77.50
20. TC	From	3.73	3.73	13.90	21. From	From	62	1.25	77.50
21. TC	From	3.73	3.73	13.90	22. From	From	62	1.25	77.50
22. TC	From	3.73	3.73	13.90	23. From	From	62	1.25	77.50
23. TC	From	3.73	3.73	13.90	24. From	From	62	1.25	77.50
24. TC	From	3.73	3.73	13.90	25. From	From	62	1.25	77.50
25. TC	From	3.73	3.73	13.90	26. From	From	62	1.25	77.50
26. TC	From	3.73	3.73	13.90	27. From	From	62	1.25	77.50
27. TC	From	3.73	3.73	13.90	28. From	From	62	1.25	77.50
28. TC	From	3.73	3.73	13.90	29. From	From	62	1.25	77.50
29. TC	From	3.73	3.73	13.90	30. From	From	62	1.25	77.50
30. TC	From	3.73	3.73	13.90	31. From	From	62	1.25	77.50
31. TC	From	3.73	3.73	13.90	32. From	From	62	1.25	77.50
32. TC	From	3.73	3.73	13.90	33. From	From	62	1.25	77.50
33. TC	From	3.73	3.73	13.90	34. From	From	62	1.25	77.50
34. TC	From	3.73	3.73	13.90	35. From	From	62	1.25	77.50
35. TC	From	3.73	3.73	13.90	36. From	From	62	1.25	77.50
36. TC	From	3.73	3.73	13.90	37. From	From	62	1.25	77.50
37. TC	From	3.73	3.73	13.90	38. From	From	62	1.25	77.50
38. TC	From	3.73	3.73	13.90	39. From	From	62	1.25	77.50
39. TC	From	3.73	3.73	13.90	40. From	From	62	1.25	77.50
40. TC	From	3.73	3.73	13.90	41. From	From	62</		

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

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

PLT TYP. Wave

FL/-/4/-/-/R/-		Scale =.5"/Ft.
TC LL	20.0 PSF	REF R487-- 91872
TC DL	10.0 PSF	DATE 10/11/10
BC DL	10.0 PSF	DRW HCUSR487 10284041
BC LL	0.0 PSF	HC-ENG JB/DF
TOT.LD.	40.0 PSF	SEQN- 152686
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U5Y487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
 FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
 IMPORTANT
 Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BSI's Building Components Group Inc. (BICG) Trussing Manual, Part 1, for details. The contractor shall provide temporary bracing before erection. After erection, the contractor shall provide permanent bracing in accordance with the instructions 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 restrainer web bracing shall have bracing installed per BSI sections 83, 87 or 810, as applicable.
 The Building Components Group Inc. (BICG) shall not be responsible for any deviation from the design shown. Failure to build the truss in conformance with ANSI/PT 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail. All fastenings shall be installed in accordance with the BICG Trussing Manual, Part 1, for details. If any fastenings, unless noted otherwise. Refer to drawings 1600-2 For standard plate positions. A seal on the bottom chord or cover plate 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/PT 1 Sec.2. For more information see: This job's general notes page. 11-8683: www.bicg.com; 11-21010: www.tpinet.org; NCEC: www.ncec.com.



ALPINE

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

(10-205--F111 in later BRYAN ZECHER/JACKSON --, ** - FG4)

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

End verticals not exposed to wind pressure.

Girder supports 5-4-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

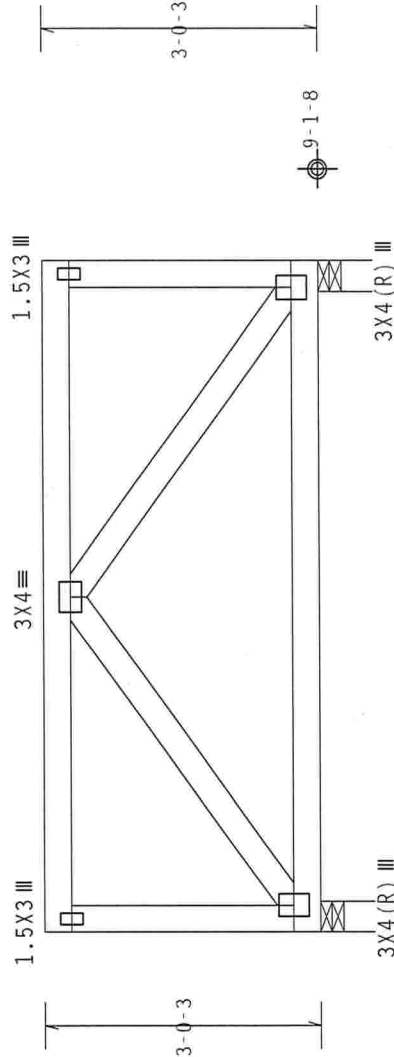
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cp1}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

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

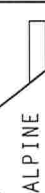
Truss must be installed as shown with top chord up.



7-3-0 Over 2 Supports
R-547 U-49 W-4"
R-547 U-49 W-4"

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

Scale = .5" / Ft.

PLT TYP. Wave  ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	designer: CRITC. FB02007/Res/ITP 0002 (310) FT/RT=10%(0%)/0(0) 9.09.03.0319.17 OTW 1 FL/-4/-1-/R/- Scale =.5"/Ft.									
	WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET. FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS. **IMPORTANT**									
	Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the ITW Building Components Group Inc. Safety Information, both TPI and KICA for safety practices prior to performing these functions. Installers shall provide temporary bracing per the drawings, 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 BCST sections 83, B7 or B10, as applicable.									
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each race of truss and position as shown above and on the Job Order drawing. Do not change the design or details, unless noted otherwise. Refer to drawings 1600-2 For standard plate positions. The drawings are for informational purposes only. ITWBCG does not warrant the seal approval or the drawings for the building shown. The availability 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: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; KICA: www.spcindustry.com; ICC: www.iccsafe.org									
	No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/11/2010									
	TC LL	20.0 PSF	REF	R487 --	91873					
	TC DL	10.0 PSF	DATE	10/11/10						
	BC DL	10.0 PSF	DRW	HCUSR487	10284042					
BC LL	0.0 PSF	HC-ENG	JB/DF							
TOT.LD.		SEQN	152750							
DUR.FAC.		1.25								
SPACING		24.0"								
		JREF	1U5Y487_Z01							

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.
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 IPI and NICA, for proper practices prior to performing these tasks. Trusses shall be installed in accordance with the BCSI (Building Component Safety) Information, by IPI and NICA, for proper practices. Trusses 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.

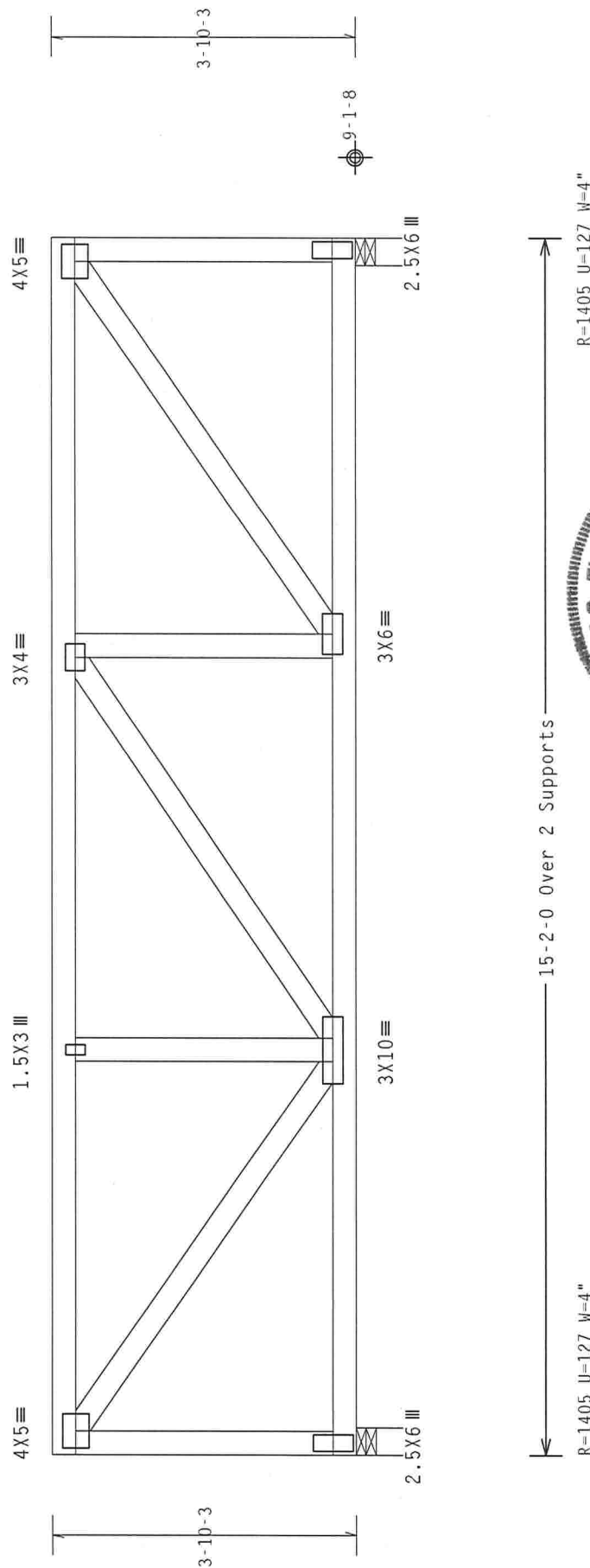
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of 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. ITWBCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpt (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

Truss must be installed as shown with top chord up.

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

Scale = .5" / Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA# 00 278

State of Florida Professional Engineer

No. 66648

06/11/2010

****IMPORTANT**** READ AND FOLLOW ALL NOTES ON THIS SHEET.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, B7 (PI and WCA) for details. 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 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 or any failure to build the truss in conformance with ANSI/PTI 1, or for handling, shipping, installation or 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-2 For standard plate positions. A seal on drawing or cover page listing this drafting. Indicates acceptance of professional engineering responsibility solely for the design of the truss. The liability and use of this design for any structure is the responsibility of the client and user. For more information, visit www.ansi/pti. For general notes page: 13th-BCSI: www.13thbcsig.com; PTI: www.ptinest.org; WCA: www.structindustry.com; ICC: www.iccsafe.org

REF	R487--	91874
DATE	10/11/10	
DRW	HCUSR487	10284043
HC-ENG	JB/DF	
SEQN-	152762	
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	
TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

End verticals not exposed to wind pressure.

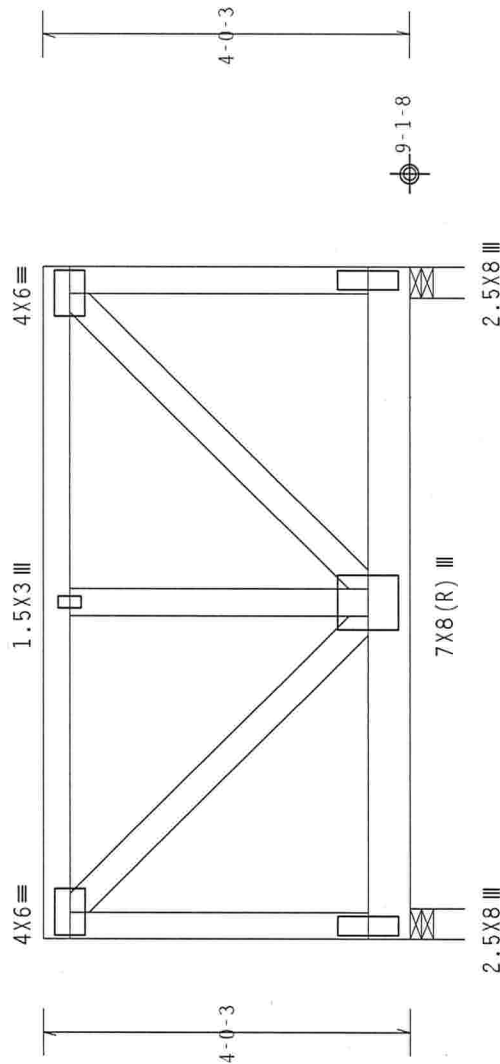
Deflection meets L/240 live and L/180 total load.

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

Truss must be installed as shown with top chord up.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

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



7-3-0 Over 2 Supports

R=2106 U=226 W=4"

$p=2128$ $l=229$ $M=$

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

FL / - / 4 / - / - / R / - / - / Scale = .5" / Ft.

WARNING	READ AND FOLLOW ALL NOTES ON THIS SHEET.	No. 66648	TC LL	20.0 PSF	REF R487--	91875
IMPORTANT	FURNISH THIS DESIGN TO ALL COMPANIONS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to all practices the latest edition of BCSI (Building Components Safety Information, by IPI and WICA) for details prior to performing these activities. Installers shall provide temporary bracing per BCSI drawings. Trusses shall be installed and braced according to the attached drawings and specifications. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint web shall have bracing installed per BCSI sections 83, B7 or B10, as applicable.	★ STATE OF FLORIDA PROFESSIONAL ENGINEER	TC DL	10.0 PSF	DATE	10/11/10
	ITW Building Components Group Inc. (ITWBG) shall not be responsible for any deviation from this drawing or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installation, bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joists Details, unless noted otherwise. Refer to drawings IGOA-2 for standard plate positions. A seal on 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/IPI 1 Sec.2, or more information see: This Job's ITCB Form 1ECSafe.org. www.ITBdg.com; www.ipinist.org; WICA; www.structure.org.		BC DL	10.0 PSF	DRW HCUSR487	10284044
			BC LL	0.0 PSF	HC-ENG JB/DF	
			TOT.LD.	40.0 PSF	SEQN-	152888
			DUR.FAC.	1.25		
			SPACING	24.0"	JREF-	1U5Y487 Z01

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - F62)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP S5
Webs 2x4 SP #3 :W2, W8 2x6 SP #2:

Brq blocks: 0.131"x3" nails
brg x-loc #blocks length/blk #nails/blk wall plate
1 0.000' 1 12" 9 Rigid Surface
2 14.833' 1 12" 10 Rigid Surface
Brq block to be same size and species as bottom chord.
Refer to drawing CNAALSP0109 for more information.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Truss must be installed as shown with top chord up.

Special loads

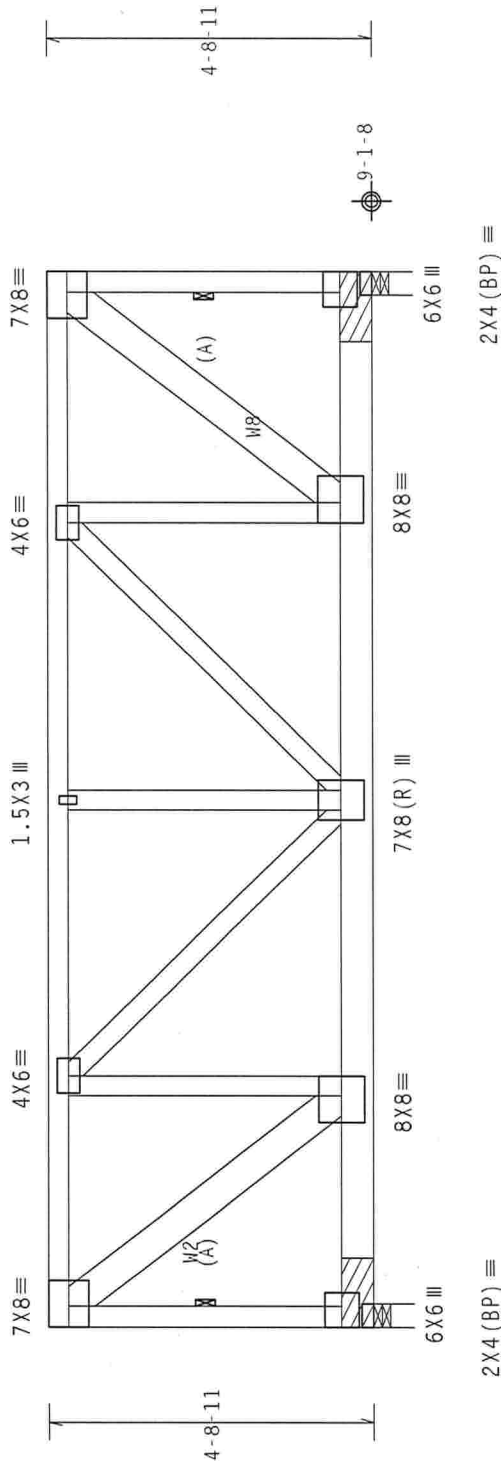
----- (Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)
TC- From 60 plf at 0.00 to 60 plf at 15.17
BC- From 10 plf at 0.00 to 10 plf at 15.17
BC- 1366.64 lb Conc. Load at 1.73, 3.73, 5.73
BC- 1266.29 lb Conc. Load at 7.73, 9.73, 11.73
BC- 1329.35 lb Conc. Load at 13.73

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCpl(+/-)-0.18

End verticals not exposed to wind pressure.

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

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



R-5111 U=49 W=4"

15'-2" Over 2 Supports

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

Scale = .375"/Ft.

PLT TYP. Wave	FL/-/4/-/R/-	TC LL 20.0 PSF	REF R487-- 91876
		TC DL 10.0 PSF	DATE 10/11/10
		BC DL 10.0 PSF	DRW HCUSR487 10284045
		BC LL 0.0 PSF	HC-ENG JB/DF
		TOT.LD. 40.0 PSF	SEQN- 153089
		DUR.FAC. 1.25	
		SPACING 24.0"	JREF- 1U5Y487_Z01



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPANIES INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by IPI and WICA) for details on proper bracing and installation. The truss manufacturer shall have a properly attached structural sheathing and bottom chord 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 the 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 100A-2 for standard plate positions. A seal on 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 ASCE 7-05, Sec. 2.4.1. This job's ICC: www.icc-safe.org

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

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

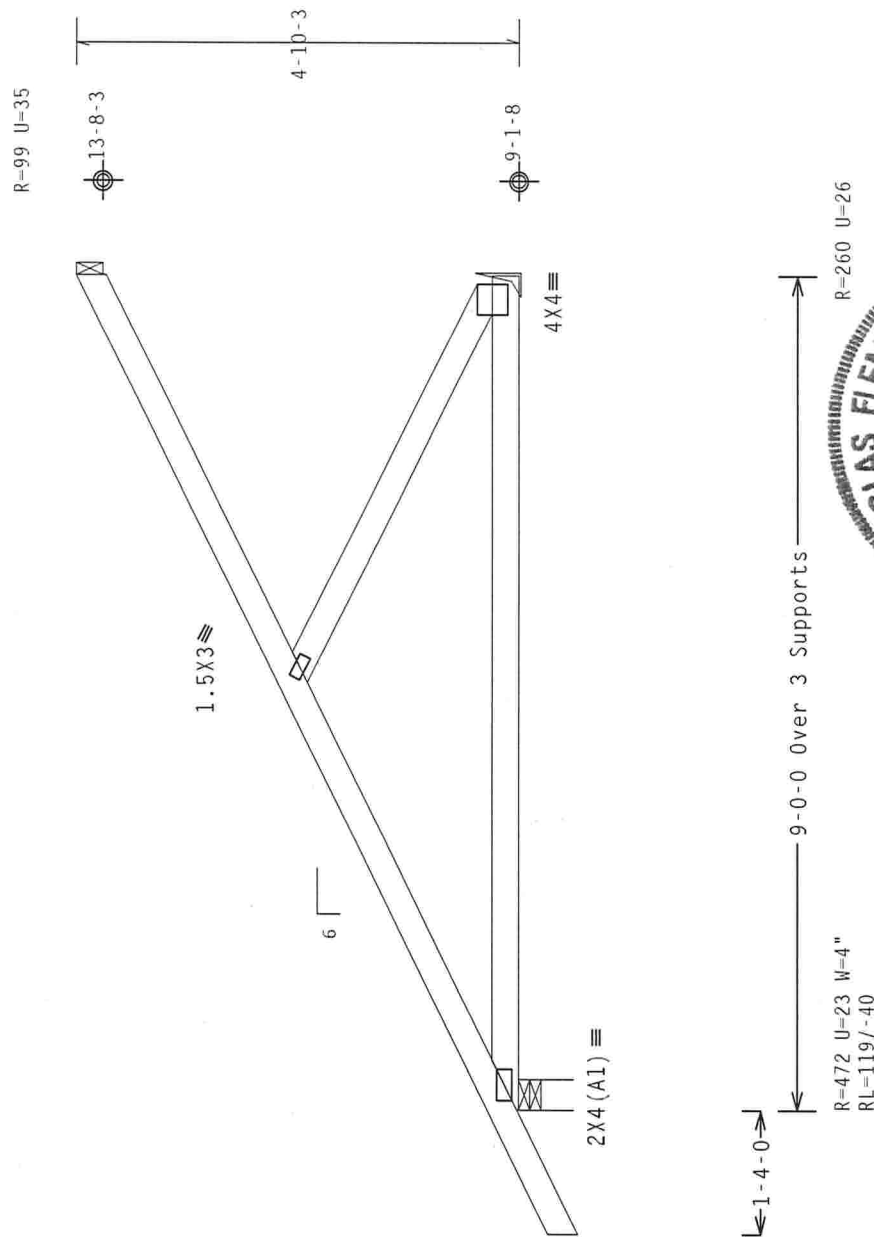
1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

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

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

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



R=472 U=23 W=4"
RL=119/-40

R=260 U=26

PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 91877
TC DL	10.0 PSF	DATE 10/11/10
BC DL	10.0 PSF	DRW HCUR487 10284007
BC LL	0.0 PSF	HC-ENG JB/DF *
TOT.LD.	40.0 PSF	SEQN- 153210
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1U5V487_Z01

No. 66648
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
01/11/2010

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

****IMPORTANT****

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow all applicable codes and standards. Trussing practices prior to performing these functions. Installer shall provide temporary bracing per manufacturer's instructions. All trusses shall be installed in accordance with the design engineer's specifications. Trusses shall have a properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint web chords shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (IBC/G) shall not be responsible for any deviation from this design. If you are unable to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, erecting, dismantling, or other practices 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 IBCG-2 for standard plate positions. A seal on the end of the truss member covering the stringer will be required. The seal must be applied to the stringer before the truss is placed in service. The responsibility for the design, engineering, manufacturing, erection, inspection, and maintenance of the structure rests solely with the designer. It is the responsibility of the design engineer per ANSI/TPI 1 Sec.2. For more information see: This Job's general notes page; IIB-BCG; hnw.itbcg.com; TPI; www.tpinet.org; NICA; www.sbcindustry.com;

GENERAL NOTE: IIB-BCG; hnw.itbcg.com; TPI; www.tpinet.org; NICA; www.sbcindustry.com;

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

(10-205--Fill in later BRYAN ZECHER/JACKSON -- ** - EJOYT)

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

Roof overhang supports 2.00 psf soffit load.

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

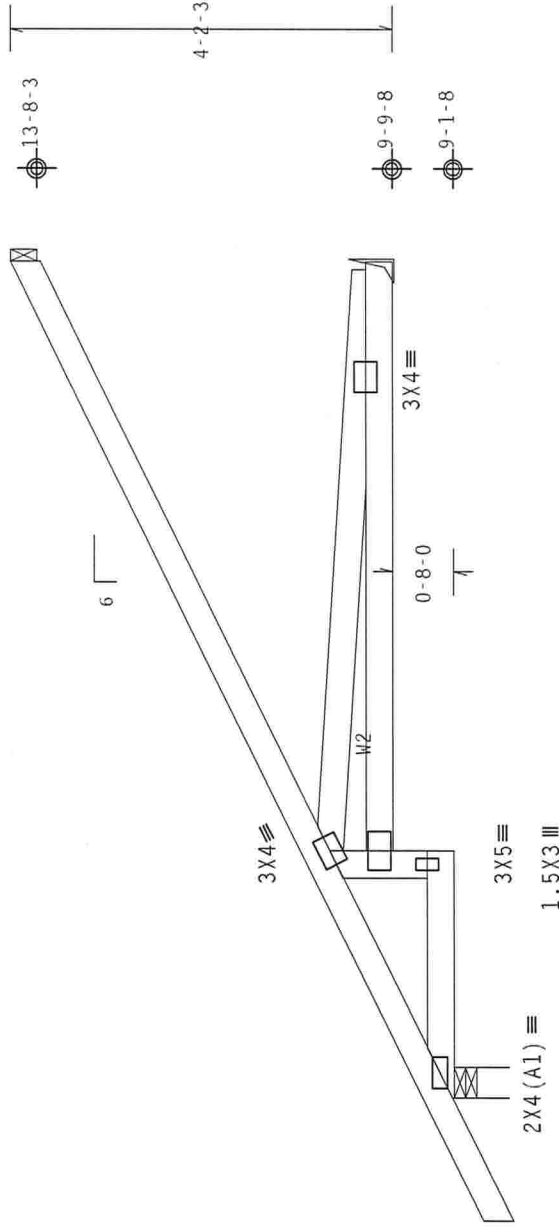
MMFRS loads based on trusses located at least 7.50 ft. from roof edge.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCp1(+/-)=0.18

Wind reactions based on MMFRS pressures.

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

R=178 U=49



1-4-0

2-8-0 9-0-0 Over 3 Supports 6-4-0

R=472 U=23 W=4"
RL=119/-40

R=206 U=8

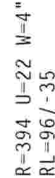
Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

PLT TYP. Wave

Scale =.5"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**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 IPI and NICA) 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 restraining bracing shall have bracing installed per BCSI sections 63, 67 or 610, as applicable. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal over the drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility of the Building Designer per ANSI/IPI 1, Sec. 2. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; IPI: www.ipinst.org; NICA: www.structure.com; ICC: www.iccsafe.org				
	No. 65648 STATE OF FLORIDA PROFESSIONAL ENGINEER 10/11/2010				
	TC LL	20.0	PSF	REF	R487 -- 91878
	TC DL	10.0	PSF	DATE	10/11/10
	BC DL	10.0	PSF	DRW	HCUSR487 10284008
BC LL	0.0	PSF	HC-ENG	JB/DF *	
TOT.L.D.	40.0	PSF	SEQN-	153213	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U5Y487_Z01	



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

****WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET!
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 GCSI Building Component Safety Information, by IBC and AISC's *Truss Connections and Performing the Connections*. All trusses shall be braced in accordance with the provisions of the International Building Code and other applicable codes. Trusses shall be braced and bracing shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per GCSI sections B3, B7 and B10, as applicable.

The Building Components Group Inc. (UBCG) shall not be responsible for any deviation from the design shown on drawings or specifications. UBCG shall be responsible for the design of all bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job Order details, unless noted otherwise. Refer to drawings IBO-2 for standard plate positions. A seal on 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/APRI 1 Sec.2. For more information see: This Job's Responsibility. UBCG: www.ubcg.com; PEI: www.pei-usa.org; NCCA: www.nccanet.org; WCC: www.wccsafe.org

Haines City, FL 33844
FL COA #0278

FL/-/4/-/-/R/-			Scale =.5"/Ft.
TC LL	20.0	PSF	REF R487-- 91879
TC DL	10.0	PSF	DATE 10/11/10
BC DL	10.0	PSF	DRW HCURS487 10284009
BC LL	0.0	PSF	HC-ENG JB/DF *
TOT.LD.	40.0	PSF	SEQN- 152585
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U5Y487_Z01

(10-205--Fill in later BRYAN ZECHER/JACKSON -- ** - CJ3T)

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

Roof overhang supports 2.00 psf soffit load.

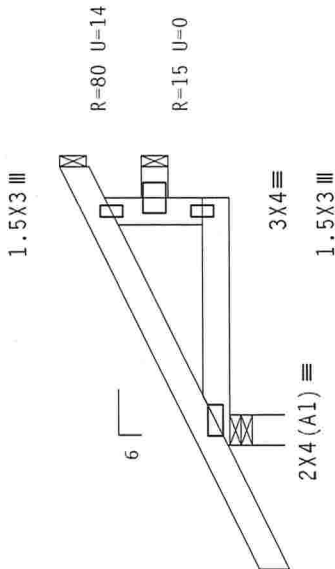
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf. $I_w=1.00$ GCP1(+/-)=0.18

Wind reactions based on MWFRS pressures.

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



1-4-0-0

3-0-0 2-8-0 Support 4-0

R=244 U=22 W=4"
RL=50/-25

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

PLT TYP. Wave

Scale = .5" / Ft.

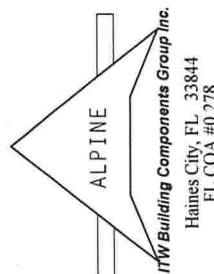
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TC DL	10.0 PSF	DATE	10/11/10
BC DL	10.0 PSF	DRW	HCUSR487 10284011
BC LL	0.0 PSF	HC-ENG	JB/DF
TOT.LD.	40.0 PSF	SEQN	152593
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1U5Y487_Z01

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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following notes for details. The latest edition of BCSI Building Component Safety Information, by TPI and MICA, 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 restraining 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 or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise, refer to drawings 1000-2 for standard plate positions. 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.tpinet.org; MICA: www.sbcindustry.com; ICC: www.iccsafe.org

DOUGLAS FLEMING
LICENSE
No. 66648
STATE OF FLORIDA
PROFESSIONAL ENGINEER
10/11/2010



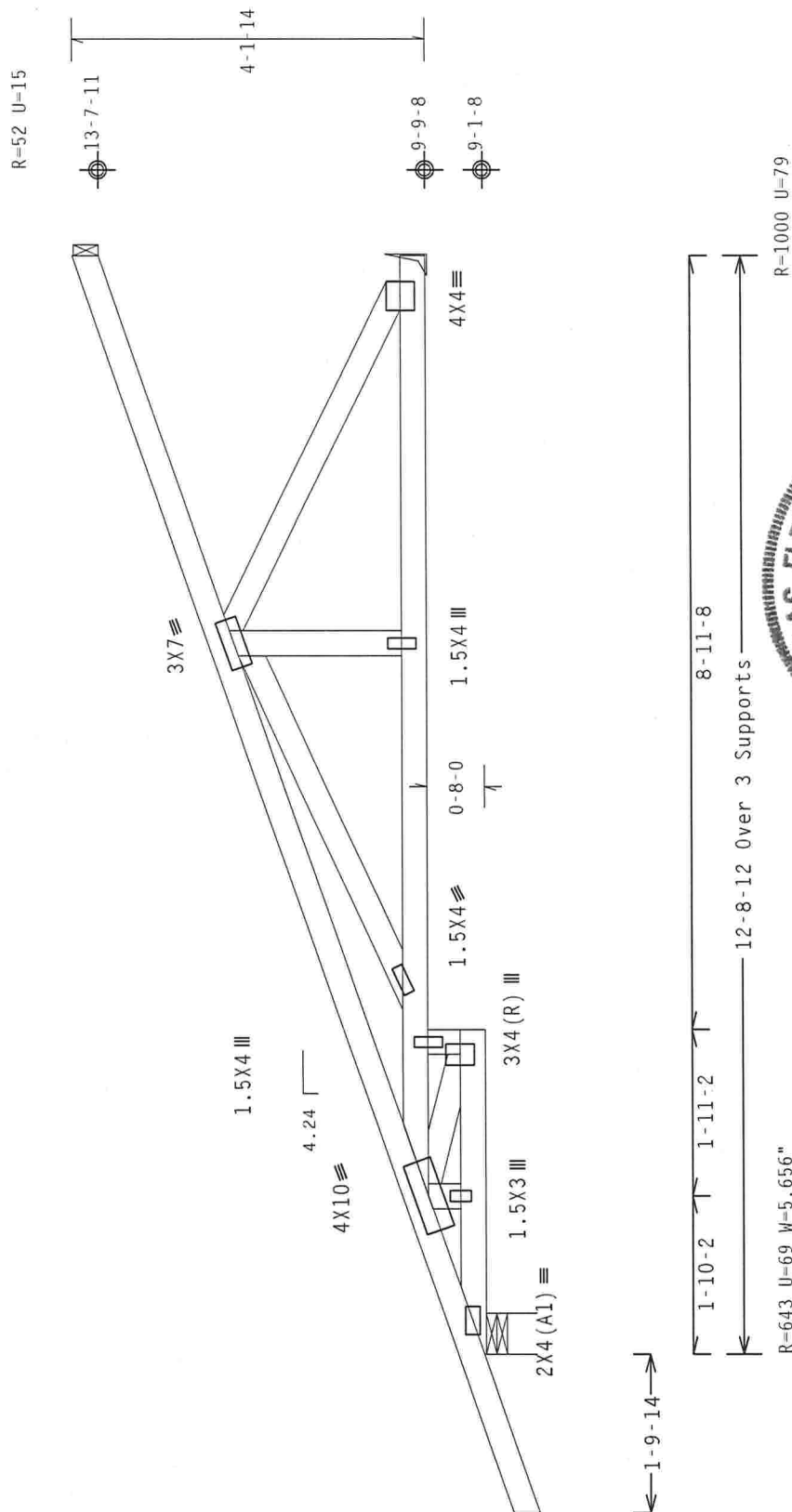
Top	chord	2x4	SP	#2	Dense
30t	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpt (+/-)=0.18

Hipjack supports 9-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

Wind reactions based on MWFRS pressures.

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



PLT TYP: Wave

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

Scale = 5"/Ft.

FI 1-141-1-1R/-

Material	Modulus (GPa)	Poisson's Ratio	Thermal Expansion Coefficient (1/K)	Thermal Conductivity (W/mK)	Specific Heat (J/kgK)	Density (kg/m³)	Yield Strength (MPa)	Tensile Strength (MPa)	Elongation at Break (%)	Impact Strength (J/m²)	Creep Rate (1/s)	Stress Relaxation Rate (1/s)	Thermal Stability (°C)	Chemical Stability	Biocompatibility	Environmental Resistance	Processing Method	Cost (\$/kg)	Availability	Notes
Carbon Fiber	230.0	0.28	1.5	12.0	700	1600	1500	2500	1.5	100	1.0	1.0	300	High	Good	Good	Good	High	Good	Carbon Fiber
Kevlar	130.0	0.35	2.0	0.17	1250	1400	1300	1700	2.5	50	1.0	1.0	300	High	Good	Good	Good	High	Good	Kevlar
Fiberglass	70.0	0.22	2.5	0.04	800	2500	700	1000	3.0	10	1.0	1.0	300	High	Good	Good	Good	High	Good	Fiberglass
Carbon Fiber	230.0	0.28	1.5	12.0	700	1600	1500	2500	1.5	100	1.0	1.0	300	High	Good	Good	Good	High	Good	Carbon Fiber
Kevlar	130.0	0.35	2.0	0.17	1250	1400	1300	1700	2.5	50	1.0	1.0	300	High	Good	Good	Good	High	Good	Kevlar
Fiberglass	70.0	0.22	2.5	0.04	800	2500	700	1000	3.0	10	1.0	1.0	300	High	Good	Good	Good	High	Good	Fiberglass

FF R487 - - 91883

DATE 10/11/10

DOI: 10.1002/anie.200601046

06/08/2017 10:04 AM

χ^2 -ENG SUB/DF

EQN-153204

REF- 1U5Y487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET
FURNISH THIS DESIGN TO ALL COMPACTORS INCLUDING INSTALLERS.

IMPORTANT

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BECI Building Component Safety Information, by IPI and WICA for the most current practices prior to performing these functions. Installers should provide structural sheathing and bottom chord bracing to properly attached rigid ceiling. Locations shown for permanent lateral restraint webbing shall have bracing installed per BECI sections 83, 87 or 810, as applicable.

The Building Components Group Inc. (114-0853) shall not be responsible for any deviation from this design. The trusses must be installed in accordance with ANSI RPI 1, for handling, shipping, installing and bracing of trusses. Apply plates to each face of truss and position as shown above and on the Sealing and Detailing sheets. Apply plates to each face of truss and position as shown above and on the Sealing and Detailing sheets, unless noted otherwise. Refer to drawings 1609-Z for standard plate positions. A seal on the drawing or cover page listing this drawing, indicating 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/RPI 1 Sec.2. For more information see: This Job's general notes page; 114-0853; www.tubebug.com; www.dtmst.org; www.sactindustry.com;

10/11/2010

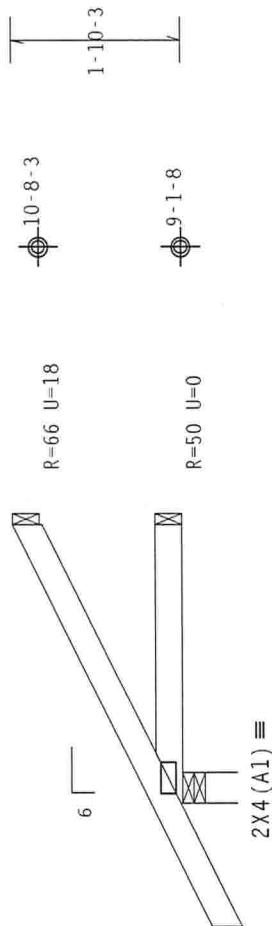
PTW Building Components Group Inc.
Haines City, FL 33844
FL COA #0 278

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf. Iw=1.00 GCpf (+/-)=0.18

Wind reactions based on MWFRS pressures.

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



1-4-0

$$\overleftrightarrow{3-0-0 \text{ over } 3-0-0 \text{ Supports}}$$

R=244 U=22 W=4"
RL=50/-25

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

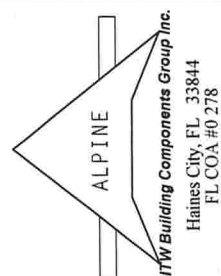
9 059 03 0319/17 OTY: 30 EI 1-41-1-1R1-
Scale = 5" / Ft.

TC LL	20.0	PSF	REF R487 - - 91884
TC DL	10.0	PSF	DATE 10/11/10
BC DL	10.0	PSF	DRW HCUR487 10284012
BC LL	0.0	PSF	HC-ENG JB/DF *
TOT.LD.	40.0	PSF	SEGN - 152624
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U5V487_Z01

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!
 PROTECT TILE DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Remember to follow the latest edition of BCSP (Building Component Safety Information, by IP1 and NICA) for all practices prior to performing these functions. Installers should provide something and bottom chord bracing. This is noted on drawings attached to ceiling. Locations for permanent lateral restraint webs have bracing installed over BCSP sections 83C, 87 or 810, as applicable.

TIW Building Components Group Inc. (LHWBC) shall not be responsible for any deviation from the design shown on drawings or specifications, nor its compliance with ANSI I/P 1 or for handling, shipping, installation, erection, bracing of trusses, application of plates to each face of truss and position as shown above and on the joint details, unless noted otherwise. Refer to drawings L60W-2 for standard plate positions. A seal on drawing or covering 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/I/P 1 Sec.2. For more information see: This Job's general notes page; LHW-Bldg.; www.lhwbc.com; LPI: www.lpiinst.org; NCA: www.sdcindustries.com;



(10-205--Fill in later BRYAN ZECHER/JACKSON -- ** - CJS)

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

Roof overhang supports 2.00 psf soffit load.

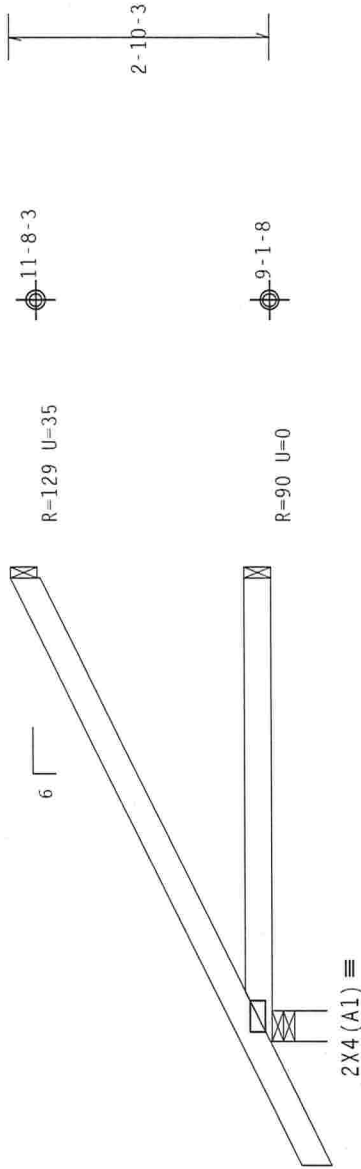
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

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

Wind reactions based on MWFRS pressures.

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



1-4-0

5-0-0 Over 3 Supports

R=316 U=21 W=4"
RL=73/-30

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

PLT TYP. Wave

Scale = .5" / Ft.

 ALPINE Haines City, FL 33844 FL COA #0278	No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/2010		TC LL	20.0 PSF	REF	R487 -- 91885
			TC DL	10.0 PSF	DATE	10/11/10
			BC DL	10.0 PSF	DRW	HCUSR487 10284031
			BC LL	0.0 PSF	HC-ENG	JB/DF
			TOT.LD.	40.0 PSF	SEQN-	152627
DUR.FAC. 1.25			SPACING	24.0"	JREF-	1U5Y487_Z01

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS SHEET.

FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the following practices prior to performing these functions. Installers shall provide temporary bracing per the details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have bracing installed per BCS1 sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design for any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, bracing of trusses. Apply plates to each face of truss and position as shown above and on the job. Details, unless noted otherwise, refer to drawings 1004-2 for standard plate positions. A seal of approval is provided for this design. The safety 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; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - CJ7)

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

Roof overhang supports 2.00 psf soffit load.

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

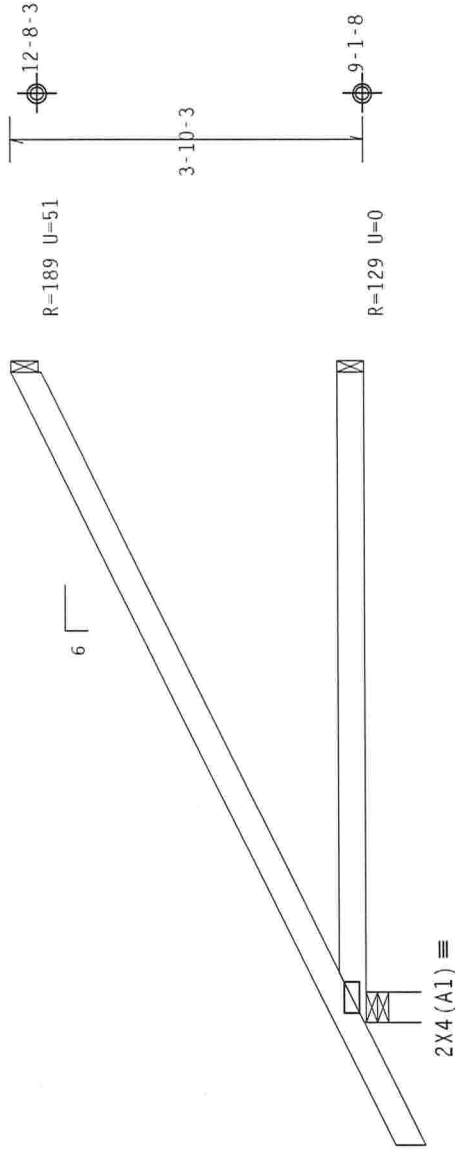
MWFRS loads based on trusses located at least 7.50 ft. from roof edge.

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

Wind reactions based on MWFRS pressures.

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



1-4-0

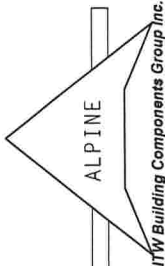
7-0-0 Over 3 Supports

R=394 U=22 W=4"
RL=96/-35

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

PLT TYP. Wave

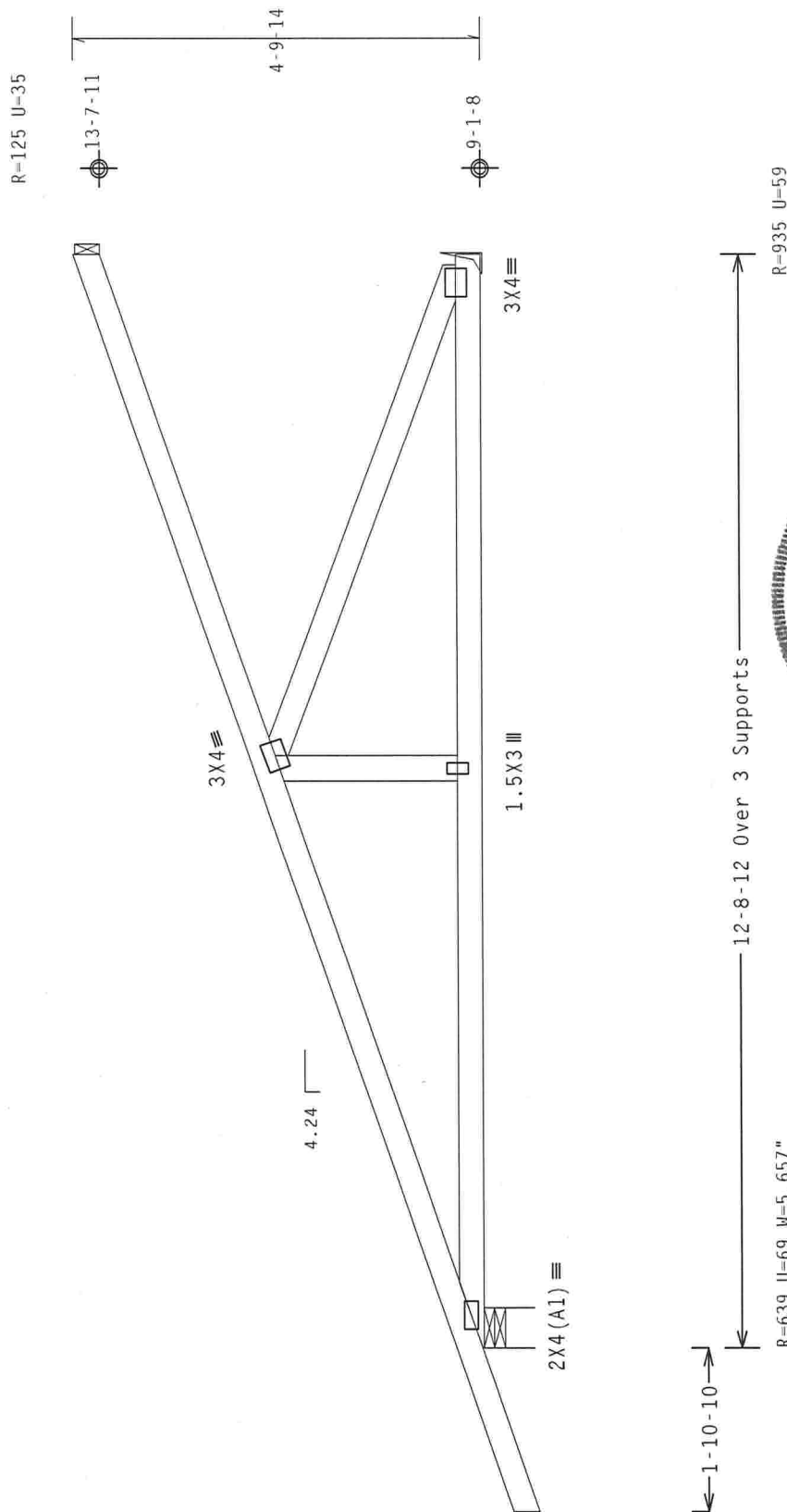
Scale =.5"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	**WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. 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 Components Systems Inc.) Manual for proper installation. 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 or 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 the design or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure responsibility solely for the design shown. The seal is not a guarantee of the quality of the structure. For general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicainst.org; ICC: www.iccsafe.org		QTY 2	FL/-/4/-/1-/R/-	TC LL 20.0 PSF	REF R487-- 91886
	No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/2010				TC DL 10.0 PSF	DATE 10/11/10
					BC DL 10.0 PSF	DRW HCUSR487 10284032
					BC LL 0.0 PSF	HC-ENG JB/DF
					TOT.L.D. 40.0 PSF	SEQN- 152630
					DUR.FAC. 1.25	
					SPACING 24.0"	JREF- 1U5Y487_Z01

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

Wind reactions based on MWFRS pressures.

Hipjack supports 9-0-0 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.



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

Scale = .5"/Ft.

ALPINE

ITW Building Components Group Inc.
Haines City, FL 33844
888-447-4729

****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET!
****IMPORTANT**** FURNISH THIS DESIGN TO ALL COMPACTORS 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 IPI and NICA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per drawings unless noted otherwise. Top chords shall have predrilled holes for temporary bracing per drawings. Light duty ceiling sections shall be used for permanent lateral restraint of webs. All trusses 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 the design and specifications. Trusses should be furnished with ANSI/IPI 1.1 or for handling, shipping, installation and bracing of trusses. Apply plates to each face of truss and position as shown above and on the details. Details, unless noted otherwise. Refer to drawings I1600-2 for standard plate positions. A seal of 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/IPI 1 Sec.2. For more information see: general notes page; ITR-B005; www.itwbcg.com; IPI; www.ipinstitute.org; NICA; www.bcsiindustry.com

No. 66648

STATE OF FLORIDA

PROFESSIONAL ENGINEER

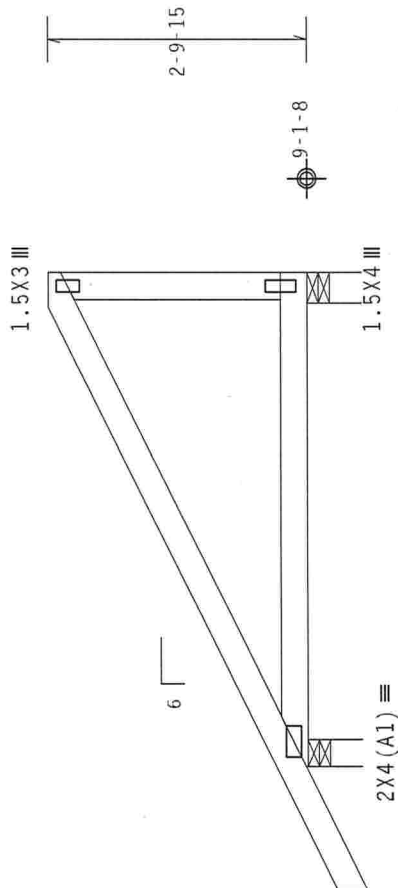
00/07/11/2010

TC LL	20.0	PSF	REF	R487--	91887
TC DL	10.0	PSF	DATE	10/11/10	
BC DL	10.0	PSF	DRW	HCURS487	10284047
BC LL	0.0	PSF	HC-ENG	JB/DF	
TOT.LD.	40.0	PSF	SEQN-	153207	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1U5Y487_Z01	

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



1-4-07

← 5-4-0 Over 2 Supports →

R=344 U=56 W=3.5"

PLOT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487--	91889
TC DL	10.0	PSF	DATE	10/11/10
BC DL	10.0	PSF	DRW	HCU8R487 10284049
BC LL	0.0	PSF	HC-ENG	JB/DF
TOT.LD.	40.0	PSF	SEQN-	152646
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1U5Y487_Z01

No. 65848
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
1/1/2010

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

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Components Safety Information, by IPI and NICA) for all safety characteristics prior to performing these operations. Trusses are designed to be installed with the bottom chord having a properly attached rafter ceiling. Locations shown for permanent lateral restraining web bracing shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown. Failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or fabricating of trusses. Apply plates to each face of truss and position as shown above and on the Joint Detail. Details, unless noted otherwise. Refer to drawings 1600-2 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. IPI: www.ipiinst.org; NICA: www.sbcindustry.com; ITWBCG: www.itwbcg.com; 1-800-368-1196; FAX: 1-800-368-1196.

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

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - M)

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

Roof overhang supports 2.00 psf soffit load.

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

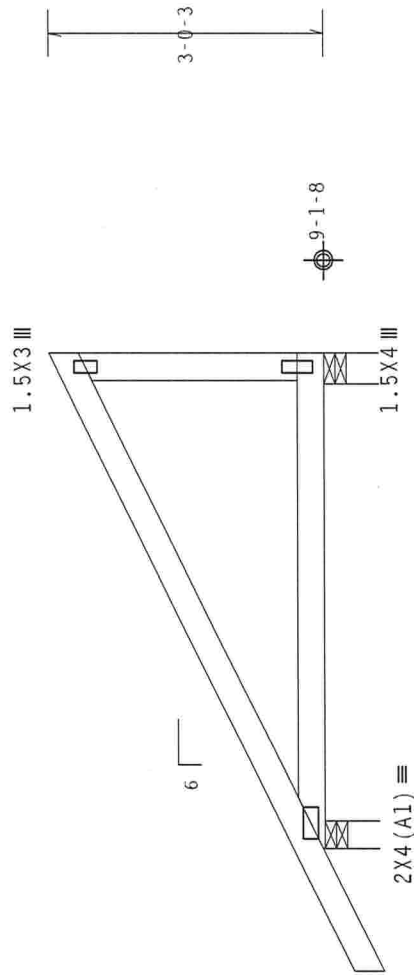
Deflection meets L/240 live and L/180 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf, 1w=1.00 GCpl (+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



1'-4-0
5'-4-0 Over 2 Supports
R=329 U=22 W=3.5"
RL=77/-31
R=199 U=32 W=4"

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

PLT TYP. Wave

Scale = .5" / Ft.

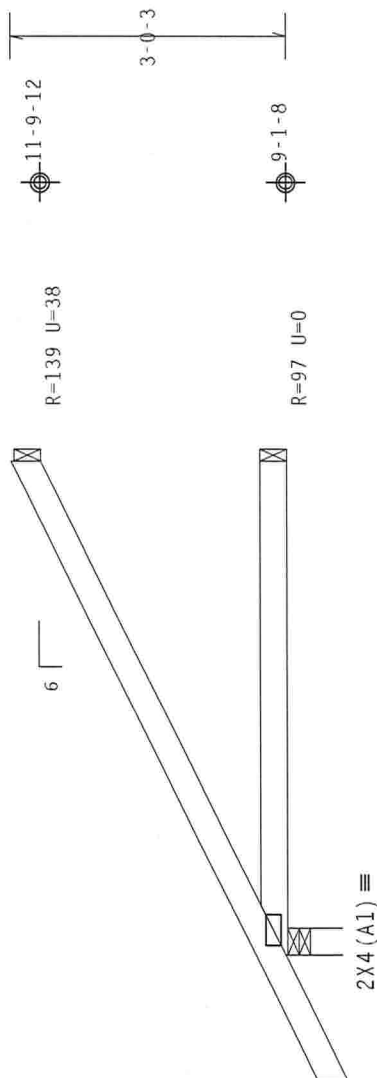
 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	**IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS SHEET! FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and NICA) 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 web shall have bracing installed per BCSI sections B3, B7 or B10, as applicable. ITW Building Components Group Inc. (ITWBG) 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, installing, or bracing of trusses. Apply plates to each face of truss and position as shown above and on the job. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal over 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; ITH-BCG: www.ithbcg.com ; TPI: www.tpinet.org ; NICA: www.nicaindust.org ; ICC: www.iccsafe.org		TC LL	20.0 PSF	REF	R487 -- 91890
			TC DL	10.0 PSF	DATE	10/11/10
			BC DL	10.0 PSF	DRW	HCUSR487 10284013
			BC LL	0.0 PSF	HC-ENG	JB/DF *
			TOT.L.D.	40.0 PSF	SEQN-	152649
			DUR.FAC.	1.25		
			SPACING	24.0"	JREF-	1U5Y487_Z01

11110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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.



1-4-07

5-4-0 Over 3 Supports

R=329 U=22 W=3.5"
RL=77/-31

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

EL 1 - 141 - 1 - 1R / - Scale = .5" / Ft.

ALPINE

ITW Building Components Group Inc.
 Haines City, FL 33844
 RN CO. #0 729

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

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSP (Building Component Safety Information, by IPI and WICA) for safe practices prior to performing these functions. Installers shall provide temporary bracing per drawings and specifications. Trusses shall be braced in accordance with the provisions of the design and shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSP sections B3, B7 or E10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from this design or any failure to build the truss in conformance with ANSI/IPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Joist Connections Details, unless noted otherwise. Refer to drawings 160A-2 For standard plate positions. A seal on 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/IPI 1 Sec.2. For more information see: ITWBCG, INC. in 800-333-1100; www.itwbcg.com; www.ipina.org; WICA: www.bcetradustry.com; IPI: www.ipi.org

TC LL	20.0	PSF	REF R487-- 91891
TC DL	10.0	PSF	DATE 10/11/10
BC DL	10.0	PSF	DRW HCURS487 10284033
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 152656
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U5Y487_Z01

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - HJ7)

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

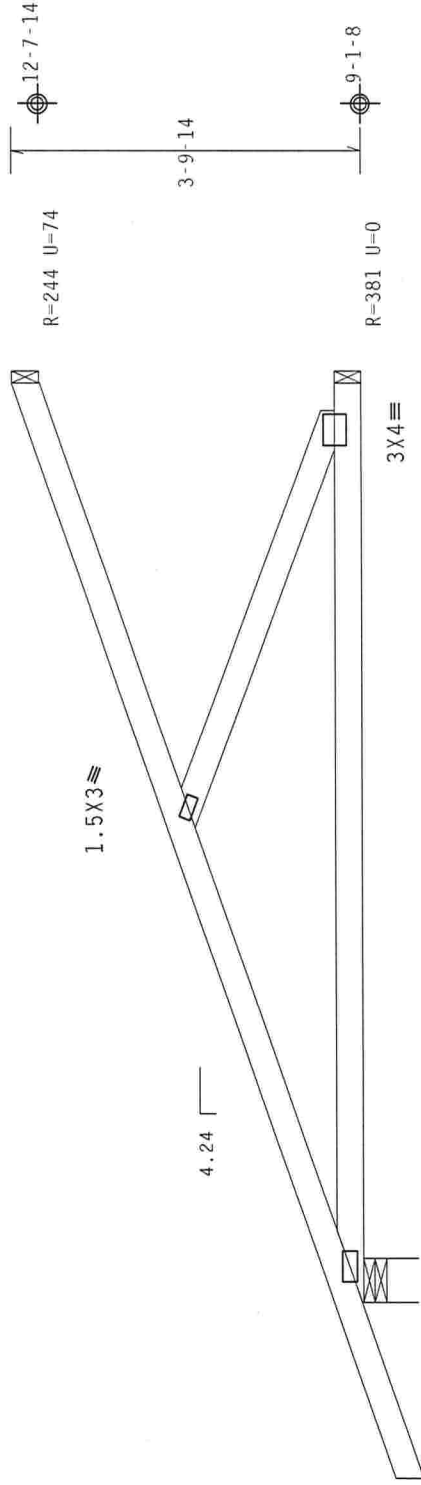
Hipjack supports 7-0-0 setback jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1w=1.00 GCP1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (3) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



1-10-10 Over 3 Supports
R-439 U=51 W=5.657"

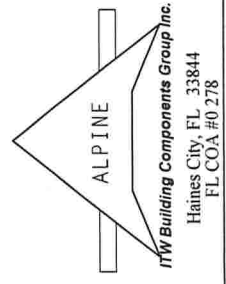


Design Crit: FBC2007Res/TPI-2002 (STD)
FT/RT=10%(0%)/0(0)

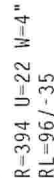
PLT TYP. Wave

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487--	91892
TC DL	10.0 PSF	DATE	10/11/10	
BC DL	10.0 PSF	DRW	HCUSR487	10284050
BC LL	0.0 PSF	HC-ENG	JB/DF	
TOT.LD.	40.0 PSF	SEQN-	153126	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1U5Y487_Z01	



****WARNING**** READ AND FOLLOW ALL NOTES ON THIS SHEET.
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Components Group Inc. (BCSI) Truss Installation Manual for details. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord 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 or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or 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 100A-2 for standard plate positions. A seal on the drawing or cover page listing this drawing, indicates acceptance of professional engineering structure is the responsibility solely for the design and construction of the structure. For more information see: This job's general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org

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

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R487-- 91893
TC DL	10.0	PSF	DATE 10/11/10
BC DL	10.0	PSF	DRW HCUR8487 10284034
BC LL	0.0	PSF	HC-ENG JB/DF
TOT.LD.	40.0	PSF	SEQN- 152753
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1U5Y487_Z01

No. 66648

STATE OF FLORIDA

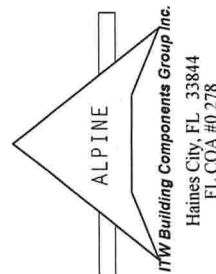
PROFESSIONAL ENGINEER

07/11/2010

****WARNING**** - READ AND FOLLOW ALL NOTES ON THIS SHEET!
FURNISH THIS DESIGN TO ALL COMPANIONS INCLUDING INSTALLERS.

****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI Building Component Safety Information, by IPI and WICA) for practices prior to performing these functions. Install trusses according to manufacturer's instructions. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint shall have bracing installed per BCSI sections B3, B7 or E10, as applicable.

IPI Building Components Group Inc. (IIBCGS) shall not be responsible for any deviation from the design shown herein due to improper installation, failure to build the truss in conformance with ANSI/IPI 1, 1- or for handling, shipping, installing or packaging of trusses. Apply plates to each face of truss and position as shown above and on the details, unless noted otherwise. Refer to drawings IBOB-2 For standard plate positions. A seal 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. See also: BCSIGroup.com; IPI.com; IPIUSA.com; ITH-BGCS.com; ITH-BGCS@i-thusafety.com; IPIshow.us; ipstesting.com; WICA; www.bcsiindustry.com; www.wicausa.org; www.168cslife.org



(10-205--Fill in later BRYAN ZECHER/JACKSON --. ** - E01)

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

Roof overhang supports 2.00 psf soffit load.

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

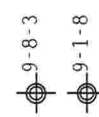
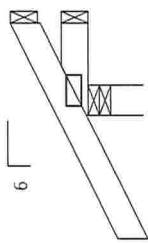
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

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

Wind reactions based on MWFRS pressures.

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

R=-41 Rw=20 U=32



2X4 (A1) =

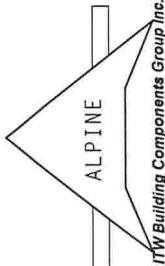
R=7 Rw=12 U=10

1-4-0
1-0-0 over 3 supports
R=222 U=40 W=4"
RL=26

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

PLT TYP. Wave

Scale = .5" / Ft.

 ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	PLT TYP. Wave				Scale = .5" / Ft.			
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	PLT TYP. Wave				Scale = .5" / Ft.			

(10-205--Fill in later BRYAN ZECHER/JACKSON --, ** - HJ1)

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

Hipjack supports 1-0-0 setback jacks with no webs.

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

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

Wind reactions based on MWFRS pressures.

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.

R=-18 Rw=3 U=0

4.24

9-7-14

9-1-8

0-9-14

2X4 (A1)

1-9-14

1-5-0

Over 3 Supports

R-94 U-18 W-5.657"

R=-11 Rw=3 U=0

PLT TYP. Wave

ALPINE

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

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

9.09/0.03/0.319/1.17

OTW 2

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

Scale =.5"/Ft.

TC LL 20.0 PSF

TC DL 10.0 PSF

BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24.0"

REF R487-- 91895

DATE 10/11/10

DRW HCUR487 10284051

HC-ENG JB/DF

SEQN- 152670

JREF- 1U5Y487_Z01

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

IMPORTANT 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 IPI and WICA for safety practices prior to performing these functions. Installers and shippers shall be responsible for ensuring that the trusses are properly braced and supported during transport and installation. Trusses 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 or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing or bracing of trusses. Apply plates to each face of truss and position as shown above and on the Job. Details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of bracing 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. (ANSI/TPI 1, TPI: www.tpinet.org; WICA: www.sectindustry.com; ICC: www.iccsafe.org)

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

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

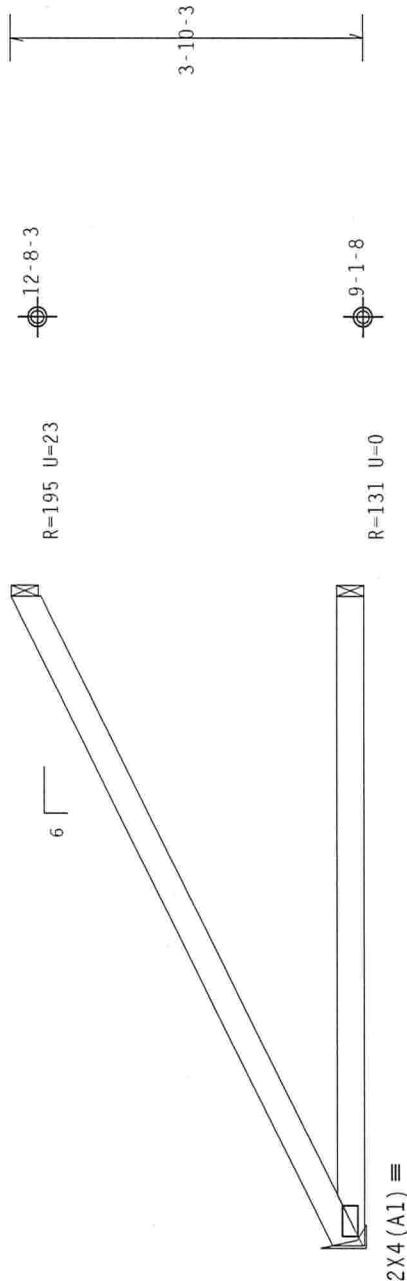
Deflection meets L/240 live and L/180 total load.

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.

1110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-)=0.18

blind reactions based on MWFRS pressures.

WFRS loads based on trusses located at least 30.00 ft. from roof edge.



7-0-0 Over 3 Supports

R=294 U=0
RL=54

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

Scale = .5"/Ft.

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

RFF R487-- 91896

DATE 10/11/10

DRW HCUSR487 10284036

HC-ENG JB/DF

SEON- 152673



Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the drawings, literature and specifications for details of these functions. Installers shall provide temporary bracing per specifications noted otherwise. Top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached per CSI ceiling. Locations shown for permanent lateral restraint bracing shall have bracing installed per BCIS sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (IIBCG) shall not be responsible for any deviation from the design or any failure to build the truss in accordance with ANSI/RPI 1, or for handling, shipping, installation or packaging 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 I60A-2 for standard plate positions. A seal on the 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/RPI 1 Sec.2. For more information see: This Job's general notes page, I11B-BG0: www.abccy.com; IPI: hnpipnet.org; IBCA: www.international.com.

PLT TYP. Wave

ALPINE

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