

DATE 04/01/2011

Columbia County Building Permit**PERMIT**

This Permit Must Be Prominently Posted on Premises During Construction

000029285

APPLICANT JAY MILTON PHONE 755-5827
 ADDRESS 1296 SW RIDGE STREET LAKE CITY FL 32024
 OWNER VICKIE R. HARRIS PHONE _____
 ADDRESS 371 NW ELLA ALLEN CT LAKE CITY FL 32055
 CONTRACTOR JAY MILTON PHONE 755-5827
 LOCATION OF PROPERTY LAKE JEFFERY N, L ELLA ALLEN CT, AT END OF ELLA ALLEN CT
ON THE LEFT
 TYPE DEVELOPMENT SFD, UTILITY ESTIMATED COST OF CONSTRUCTION 135300.00
 HEATED FLOOR AREA 1752.00 TOTAL AREA 2706.00 HEIGHT 19.00 STORIES 1
 FOUNDATION CONCTETE WALLS FRAMED ROOF PITCH 6/12 FLOOR SLAB
 LAND USE & ZONING AG-3 MAX. HEIGHT 35
 Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
 NO. EX.D.U. 2 FLOOD ZONE X DEVELOPMENT PERMIT NO. _____

PARCEL ID 16-3S-16-02149-001 SUBDIVISION _____
 LOT _____ BLOCK _____ PHASE _____ UNIT _____ TOTAL ACRES 22.00

CGC060912
 Culvert Permit No. _____ Culvert Waiver _____ Contractor's License Number Y- [Signature] Applicant/Owner/Contractor _____
 EXISTING _____ 11-0119-N _____ BK _____ 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, REPLACING EXISTING MOBILE
HOME (MEETS DENSITY REQUIREMENTS)

Check # or Cash 9338**FOR BUILDING & ZONING DEPARTMENT ONLY**

(footer/Slab)

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

BUILDING PERMIT FEE \$ 680.00 CERTIFICATION FEE \$ 13.53 SURCHARGE FEE \$ 13.53MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$ _____FLOOD DEVELOPMENT FEE \$ _____ FLOOD ZONE FEE \$ 25.00 CULVERT FEE \$ _____ **TOTAL FEE** 782.06INSPECTORS 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.

SUBCONTRACTOR VERIFICATION FORM

APPLICATION NUMBER

1103-31

CONTRACTOR

JAY MILTON

PHONE

755-5827

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

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

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

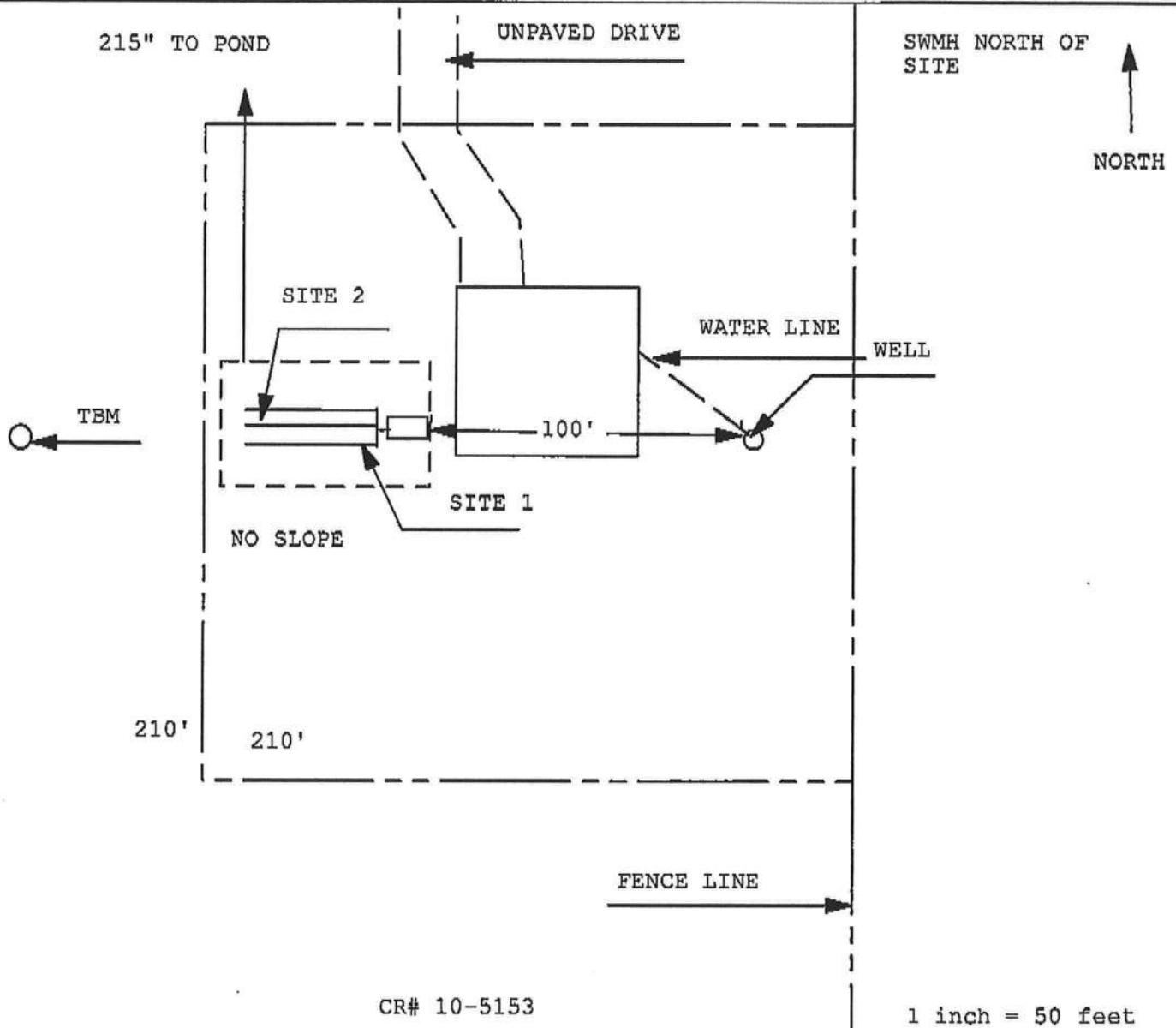
☒ ELECTRICAL 528	Print Name: LOUIS H. SAULSBY License #: EC13002771	Signature: [Signature] Phone #: 623-0914
☒ MECHANICAL/ A/C 568	Print Name: DAVID HALL License #: CAC057424	Signature: [Signature] Phone #: 386-755-9792
☒ PLUMBING/ GAS 412	Print Name: FRED APPEL License #: CFC1426088	Signature: [Signature] Phone #: 208-5199
☒ ROOFING 506 ✓	Print Name: Jay Milton License #: CGC060912	Signature: [Signature] Phone #: 365-1309
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	000164	Maxwell Kelly	[Signature]
☒ CONCRETE FINISHER	000310	Larry J. Parrish	[Signature]
☒ FRAMING 506	CGC060912	Jay Milton	[Signature]
☒ INSULATION 506	CGC060912	Jay Milton	[Signature]
STUCCO	_____	_____	_____
☒ DRYWALL 506	CGC060912	Jay Milton	[Signature]
PLASTER	_____	_____	_____
☒ CABINET INSTALLER 506	CGC060912	Jay Milton	[Signature]
☒ PAINTING 506	CGC060912	Jay Milton	[Signature]
ACOUSTICAL CEILING	_____	_____	_____
GLASS	000618	Carl Bullard, JR	[Signature]
☒ CERAMIC TILE 506	CGC060912	Jay Milton	[Signature]
☒ FLOOR COVERING	000710	Marc A. Vann	[Signature]
☒ ALUM/VINYL SIDING 506	CGC060912	Jay Milton	[Signature]
☒ GARAGE DOOR	000619	Carl Bullard, JR	[Signature]
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.

**Application for Onsite Sewage Disposal System
Construction Permit. Part II Site Plan**
Permit Application Number: 11-6119-N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT



Site Plan Submitted By Paul R. Boyd Date 3-8-11
Plan Approved ☒ Not Approved ☐ Date _____
By Sallie Ford Env. Health Director, Columbia CPHU
Notes: See attached for full dimensions

506

8:19:58 AM 3/25/2011

Licensee Details

Licensee Information

Name: **MILTON, JAY W (Primary Name)**
MILTON BUILDERS LLC (DBA Name)
Main Address: **1296 S.W. RIDGE ST.**
LAKE CITY Florida 32024
County: **COLUMBIA**
License Mailing:
License Location:

License Information

License Type: **Certified General Contractor**
Rank: **Cert General**
License Number: **CGC060912**
Status: **Current, Active**
Licensure Date: **10/04/1999**
Expires: **08/31/2012**

Special Qualifications **Qualification Effective**
Construction Business **03/11/2005**

[View Related License Information](#)

[View License Complaint](#)

Contact Us :: [1940 North Monroe Street, Tallahassee FL 32399](#) :: Call.Center@dbpr.state.fl.us :: Customer Contact Center:
850.487.1395

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Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions regarding DBPR's ADA web accessibility, please contact our Web Master at webmaster@dbpr.state.fl.us.

MARC KANN LIBILITY
Columbia County Building Permit Application

ALL JAY'S updated needed

For Office Use Only Application # 1103-31 Date Received 3/22/11 By CH Permit # 29285
 Zoning Official BLK Date 24.03.11 Flood Zone X Land Use A-3 Zoning A-3
 FEMA Map # N/A Elevation N/A MFE 1/1000 River N/A Plans Examiner J.C. Date 3-23-11
 Comments Replacing existing MH Meets Density Requirements
☒ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☒ Well letter ☒ 911 Sheet ☐ Parent Parcel #
☐ Dev Permit # ☐ In Floodway ☒ Letter of Auth. from Contractor ☒ F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____
 Road/Code _____ School _____ = TOTAL (Suspended) ☒ Sub VF Form ☒ App Fee Paid

Septic Permit No. 11-019-N Fax _____
 Name Authorized Person Signing Permit Jay Milton Phone 755-5827
 Address 1296 SW Ridge ST Lake City FL 32024
 Owners Name Vickie R. Harris Phone _____
 911 Address 371 NW. ELLA ALLEN CT Lake City FL 32055
 Contractors Name Jay Milton Phone 755 5827
 Address 1296 SW Ridge ST LAKE CITY FL. 32024
 Fee Simple Owner Name & Address Same as owner above
 Bonding Co. Name & Address NA
 Architect/Engineer Name & Address _____
 Mortgage Lenders Name & Address NA

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

Property ID Number 16-35-16-02149-001 Estimated Cost of Construction 165,000
 Subdivision Name NA Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions Take Lake Jeffery from Lake City (L) ELLA ALLEN CT, about 1/4 mile past where Moore Rd. is on Lake Jeffery Rd. Home at End of Ella Allen CT on left
 Number of Existing Dwellings on Property 2 (1 to be removed)

Construction of House Total Acreage 2.2 Lot Size _____
 Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height 19'
 Actual Distance of Structure from Property Lines - Front 470' Side 445' Side 255' Rear 465'
 Number of Stories 1 Heated Floor Area 1752 Total Floor Area 2706 Roof Pitch 6/12

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction. **CODE: Florida Building Code 2007 with 2009 Supplements and the 2008 National Electrical Code.**
 Page 1 of 2 (Both Pages must be submitted together.) Revised 1-11

Spolce to Jay 3-25-11 & 3-31-11

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

Vickie R. Hawn

(Owners Must Sign All Applications Before Permit Issuance.)

Owners Signature

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

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

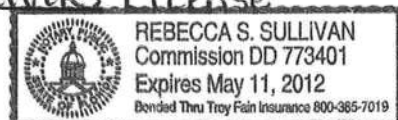
J. M. B.
Contractor's Signature (Permitee)

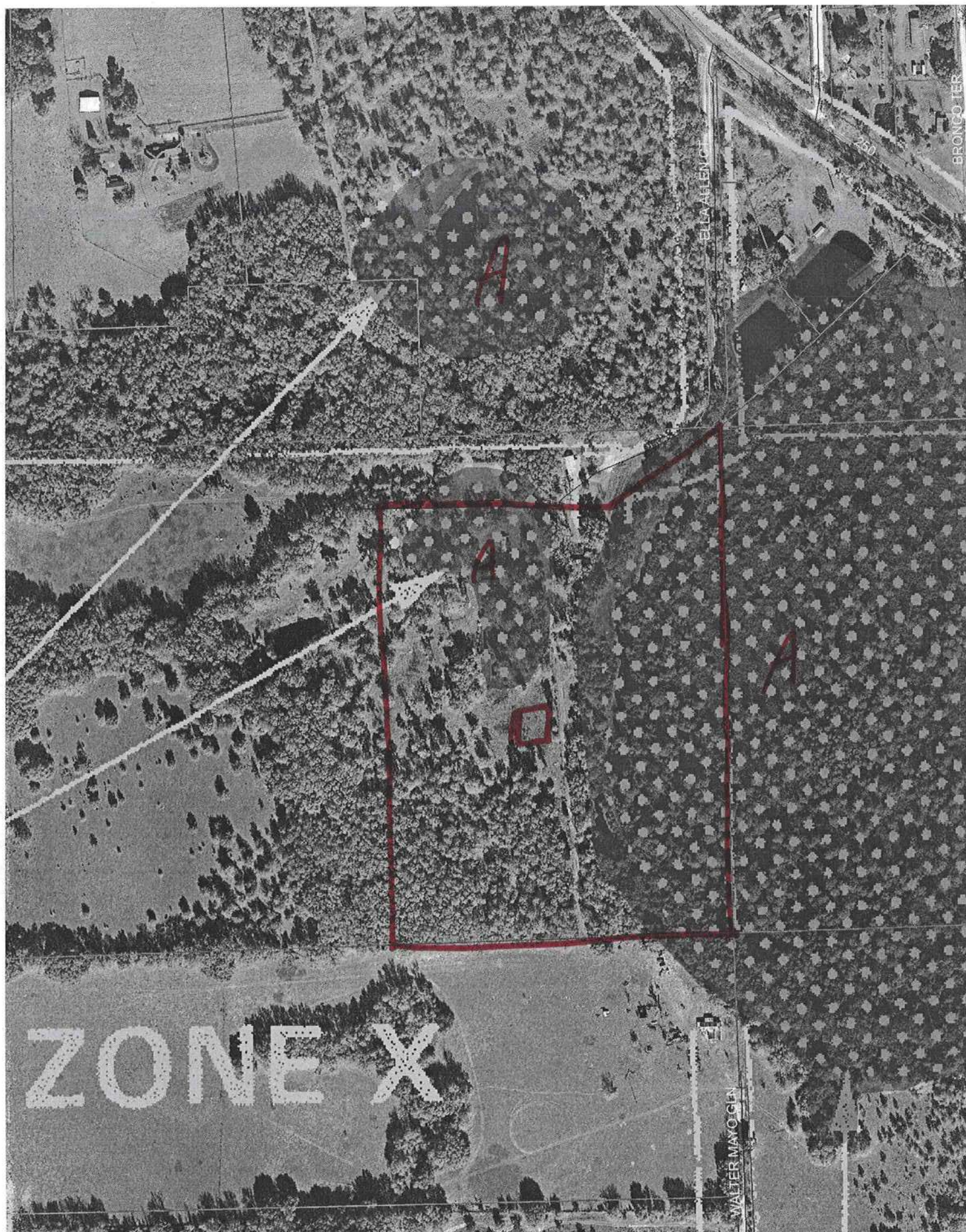
Contractor's License Number CG1060912
Columbia County
Competency Card Number 506

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 2nd day of MARCH 2011.
Personally known Rebecca S. Sullivan of Produced Identification Florida Drivers License

Rebecca S. Sullivan
State of Florida Notary Signature (For the Contractor)

SEAL:





1103-21

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: 2/28/2011 DATE ISSUED: 3/2/2011

ENHANCED 9-1-1 ADDRESS:

371 NW ELLA ALLEN CT

LAKE CITY FL 32055

PROPERTY APPRAISER PARCEL NUMBER:

16-3S-16-02149-001

Remarks:

ADDRESS FOR NEW STRUCTURE ON PARCEL.

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.

11-0114-N



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

CR # 10-5153

PERMIT NO. AD99705
DATE PAID: 310.00
FEE PAID: 3/9/11
RECEIPT #: 12-PID-1571417

APPLICATION FOR:

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

APPLICANT: VICKIE R.HARRIS & OLETHA HARRIS

AGENT: MILTON BUILDERS LLC.

TELEPHONE: (386) 755-5827

MAILING ADDRESS: 1296 SW RIDGE RD.

LAKE CITY

FL

32024

TO BE COMPLETED BY APPLICANT OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED BY A PERSON LICENSED PURSUANT TO 489.105(3) (m) 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 GRANDFATHER PROVISIONS.

PROPERTY INFORMATION

LOT: N/A BLOCK: N/A SUBDIVISION: METES AND BOUNDS PLATTED: _____

PROPERTY ID #: PART OF 16-3S-16-02149-000 ZONING: AG I/M OR EQUIVALENT: ☐ NO ☐

PROPERTY SIZE: 22.170 ACRES WATER SUPPLY: ☒ PRIVATE PUBLIC ☐ ≤ 2000 GPD ☐ > 2000 GPD

IS SEWER AVAILABLE AS PER 381.0065, FS? ☐ NO ☐ DISTANCE TO SEWER: N/A FT

PROPERTY ADDRESS: NW ELLA ALLEN CT.

DIRECTIONS TO PROPERTY: 90 WEST TURN RIGHT ON LAKE JEFFERY RD. JUST PAST MOORE RD. TURN LEFT ON ELLA ALLEN, TO END, TUEN LEFT PAST #130 TO SITE

BUILDING INFORMATION ☒ RESIDENTIAL ☐ COMMERCIAL

Unit No.	Type of Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Institutional System Design Table 1, Chapter 64E-6, FAC
1	<u>HOUSE</u>	<u>3</u>	<u>1,752</u>	
2				
3				
4				

☐ Floor/Equipment Drains ☐ Other (Specify) _____

SIGNATURE: [Signature]

DATE: 3-8-11

RECEIVED
3/9/11



STATE OF FLORIDA
DEPARTMENT OF HEALTH
ONSITE SEWAGE TREATMENT AND DISPOSAL
SYSTEM

PERMIT #: **12-SC-1306024**
APPLICATION #: **AP997053**
DATE PAID: **3-9-11**
FEE PAID: **510.00**
RECEIPT #: **12P11215717**
DOCUMENT #: **PR837943**

CONSTRUCTION PERMIT FOR: OSTDS New

APPLICANT: VICKIE & OLETHA (11-0119-N) HARRIS

PROPERTY ADDRESS: NW ELLA ALLAN Ct Lake City, FL 32024

LOT: _____ BLOCK: _____ SUBDIVISION: _____

PROPERTY ID #: 024149-000 [SECTION, TOWNSHIP, RANGE, PARCEL NUMBER]
[OR TAX ID NUMBER]

SYSTEM MUST BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS AND STANDARDS OF SECTION 381.0065, F.S., AND CHAPTER 64E-6, F.A.C. DEPARTMENT APPROVAL OF SYSTEM DOES NOT GUARANTEE SATISFACTORY PERFORMANCE FOR ANY SPECIFIC PERIOD OF TIME. ANY CHANGE IN MATERIAL FACTS, WHICH SERVED AS A BASIS FOR ISSUANCE OF THIS PERMIT, REQUIRE THE APPLICANT TO MODIFY THE PERMIT APPLICATION. SUCH MODIFICATIONS MAY RESULT IN THIS PERMIT BEING MADE NULL AND VOID. ISSUANCE OF THIS PERMIT DOES NOT EXEMPT THE APPLICANT FROM COMPLIANCE WITH OTHER FEDERAL, STATE, OR LOCAL PERMITTING REQUIRED FOR DEVELOPMENT OF THIS PROPERTY.

SYSTEM DESIGN AND SPECIFICATIONS

T [900] GALLONS / GPD Septic CAPACITY
A [] GALLONS / GPD N/A CAPACITY
N [] GALLONS GREASE INTERCEPTOR CAPACITY [MAXIMUM CAPACITY SINGLE TANK:1250 GALLONS]
K [] GALLONS DOSING TANK CAPACITY [] GALLONS @ [] DOSES PER 24 HRS #Pumps []

D [375] SQUARE FEET drainfield SYSTEM
R [] SQUARE FEET N/A SYSTEM
A TYPE SYSTEM: [] STANDARD [] FILLED [X] MOUND []
I CONFIGURATION: [X] TRENCH [] BED []

F LOCATION OF BENCHMARK: nail in tree W of system site

I ELEVATION OF PROPOSED SYSTEM SITE [24.00] [INCHES] FT [] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT
E BOTTOM OF DRAINFIELD TO BE [20.00] [INCHES] FT [] [ABOVE / BELOW] BENCHMARK/REFERENCE POINT

D FILL REQUIRED: [22.00] INCHES EXCAVATION REQUIRED: [0.00] INCHES

1. the 911 address shall be required before final approval.

SPECIFICATIONS BY: PAUL LLOYD TITLE: PSE

APPROVED BY: Sallie Ford TITLE: Environmental Health Director Columbia CHD
Sallie A Ford

DATE ISSUED: 03/11/2011 EXPIRATION DATE: 09/11/2012

DH 4016, 08/09 (Obsoletes all previous editions which may not be used)

Incorporated: 64E-6.003, FAC

Page 1 of 3

v 1.1.4

AP997053

SE838594



*Hall's Pump & Well Service, Inc.
904 NW Main Blvd
Lake City, FL. 32055*

Date: 03/22/2011

Notice to All Contractors:

Re: Vicky Harris

Please be advised that due to the new building codes we will use a large capacity diaphragm tank on all new wells. This will insure a minimum of one (1) minute draw down or one (1) minute refill. If a smaller diaphragm tank is used then we will install a cycle stop valve which will produce the same results. All wells will have a pump & tank combination that will be sufficient enough for each situation.

If you have any questions please feel free to call our office.

Thank You,

Russell Davis

Russell Davis

NOTICE OF COMMENCEMENT

Tax Parcel Identification Number:

16-35-16-02149-001

Clerk's Office Stamp

Inst: 201112003133 Date: 3/2/2011 Time: 11:06 AM
DC, P. DeWitt Cason, Columbia County Page 1 of 2 B: 1210 P: 1641

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

1. Description of property (legal description): Attached
a) Street (Job) Address: 361 NW. Ella Allen CT. Lake City FL 32055
2. General description of improvements: Build new House
3. Owner Information
a) Name and address: Vickie R. Harris 361 NW. Ella Allen CT.
b) Name and address of fee simple titleholder (if other than owner): -
c) Interest in property: 100%
4. Contractor Information
a) Name and address: Milton Builders LLC. 1296 SW Ridge ST. Lake City FL 32024
b) Telephone No.: 386 755 5827 Fax No. (Opt.): -
5. Surety Information
a) Name and address: N/A
b) Amount of Bond: N/A
c) Telephone No.: N/A Fax No. (Opt.): -
6. Lender
a) Name and address: N/A
b) Phone No.: N/A
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
a) Name and address: N/A
b) Telephone No.: N/A Fax No. (Opt.): -
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
a) Name and address: N/A
b) Telephone No.: N/A Fax No. (Opt.): -
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): -

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

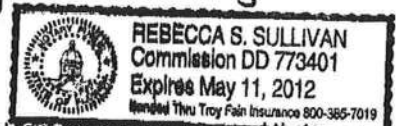
STATE OF FLORIDA
COUNTY OF COLUMBIA

10. Vickie R. Harris
Signature of Owner or Owner's Authorized Office/Director/Partner/Manager
Vickie R. Harris
Printed Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 2nd day of MARCH, 2011, by:
Rebecca S. Sullivan as Notary Public (type of authority, e.g. officer, trustee, attorney
fact) for Vickie R. Harris (name of party on behalf of whom instrument was executed).

Personally Known ☒ OR Produced Identification ☐ Type VA Federal Employee ID Badge

Notary Signature Rebecca S. Sullivan Notary Stamp or Seal:



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

Vickie R. Harris
Signature of Natural Person Signing (in line #10 above.)

DESCRIPTION:

BEGIN AT THE NE CORNER OF SECTION 16, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN S.63°07'06"W., 493.70 FEET; THENCE N.85°58'17"W., 369.71 FEET; THENCE S.00°40'55"W., 1141.51 FEET TO THE SOUTH LINE OF THE NORTH 1/4 OF SAID SECTION 16; THENCE S.89°34'10"E., ALONG SAID SOUTH LINE, 820.53 FEET TO THE SE CORNER OF SAID NORTH 1/4; THENCE N.00°05'41"E., ALONG THE EAST LINE OF SAID SECTION 16, 1344.84 FEET TO THE POINT OF BEGINNING, CONTAINING 22.17 ACRES, MORE OR LESS.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NE CORNER OF SECTION 16, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN S.63°07'06"W., 493.70 FEET; THENCE N.85°58'17"W., 56.96 FEET; THENCE N.63°07'06"E., 484.44 FEET TO THE NORTH LINE OF SAID SECTION 16; THENCE S.89°24'19"E., ALONG SAID NORTH LINE, 65.02 FEET TO THE POINT OF BEGINNING.



**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.) 1752			
	Total (Sq. Ft.) under roof 2706			

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

Site Plan information including:

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

Wind-load Engineering Summary, calculations and any details required

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

Elevations Drawing including:

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

Floor Plan including:

20	Dimensioned area plan showing rooms, attached garage, breeze ways, covered porches, deck, balconies	✓		
21	Raised floor surfaces located more than 30 inches above the floor or grade	✓	✓	
22	All exterior and interior shear walls indicated	✓		
23	Shear wall opening shown (Windows, Doors and Garage doors)	✓		
24	Show compliance with Section FBCR 310 Emergency escape and rescue opening shown in each bedroom (net clear opening shown) and Show compliance with Section 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)	✓		
27	Show stairs with dimensions (width, tread and riser and total run) details of guardrails, Handrails		✓	
28	Identify accessibility of bathroom (see FBCR SECTION 322)	✓		

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

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

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

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	NA	✓	
40	Show conventional floor joist type, size, span, spacing and attachment to load bearing walls, stem walls and/or piers	NA	✓	
41	Girder type, size and spacing to load bearing walls, stem wall and/or piers	NA	✓	
42	Attachment of joist to girder	NA	✓	
43	Wind load requirements where applicable	NA	✓	
44	Show required under-floor crawl space	NA	✓	

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

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 assemblies covering	✓		
72	Submit Florida Product Approval numbers for each component of the roof assemblies 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	NA		

HVAC information

77	Submit two copies of a Manual J sizing equipment or equivalent computation study	✓		
78	Exhaust fans shown in bathrooms Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous required	✓		
79	Show clothes dryer route and total run of exhaust duct	✓		

Plumbing Fixture layout shown

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

Private Potable Water

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

Electrical layout shown including

85	Show Switches, receptacles outlets, lighting fixtures and Ceiling fans	✓		
86	Show all 120-volt, single phase, 15- and 20-ampere branch circuits outlets required to be protected by Ground-Fault Circuit Interrupter (GFCI) Article 210.8 A	✓		
87	Show the location of smoke detectors & Carbon monoxide detectors	✓		
88	Show service panel, sub-panel, location(s) and total ampere ratings	✓		
89	On the electrical plans identify the electrical service overcurrent protection device for the main electrical service. This device shall be installed on the exterior of structures to serve as a disconnecting means for the utility company electrical service. Conductors used from the exterior disconnecting means to a panel or sub panel shall have four-wire conductors, of which one conductor shall be used as an equipment ground. Indicate if the utility company service entrance cable will be of the overhead or underground type. For structures with foundation which establish new electrical utility companies service connection a Concrete Encased Electrode will be required within the foundation to serve as an Grounding electrode system. Per the National Electrical Code article 250.52.3	✓		
90	Appliances and HVAC equipment and disconnects	✓		
91	Show all 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms or areas shall be protected by a listed Combination arc-fault circuit interrupter , Protection device.	✓		

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

Notice Of Commencement

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

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

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

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

Section R101.2.1 of the Florida Building Code Residential:

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

Section 105 of the Florida Building Code defines the:

Time limitation of application.

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

Single-family residential dwelling.

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

Permit intent.

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

If work has commenced.

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

New Permit.

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

Work Shall Be:

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

The Fee:

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

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

PRODUCT APPROVAL SPECIFICATION SHEET

Location: _____

Project Name: Harris House

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and the product approval number(s) on the building components listed below if they will be utilized on the construction project for which you are applying for a building permit on or after April 1, 2004. We recommend you contact your local product supplier should you not know the product approval number for any of the applicable listed products. More information about statewide product approval can be obtained at www.floridabuilding.org

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
A. EXTERIOR DOORS			
1. Swinging	Johnson	Door Steel	BCCO Pa 202
2. Sliding			
3. Sectional			
4. Roll up			
5. Automatic			
6. Other			
B. WINDOWS			
1. Single hung	Magnolia	Vinyl window	12716
2. Horizontal Slider			
3. Casement			
4. Double Hung			
5. Fixed			
6. Awning			
7. Pass-through			
8. Projected			
9. Mullion			
10. Wind Breaker			
11. Dual Action			
12. Other			
C. PANEL WALL			
1. Siding			
2. Soffits	Kaycan	vinyl soffit/siding	12192
3. EIFS			
4. Storefronts			
5. Curtain walls			
6. Wall louver			
7. Glass block			
8. Membrane			
9. Greenhouse			
10. Other			
D. ROOFING PRODUCTS			
1. Asphalt Shingles	Certantec		5444
2. Underlayments	Woodland		1814
3. Roofing Fasteners			
4. Non-structural Metal Rf			
5. Built-Up Roofing			
6. Modified Bitumen			
7. Single Ply Roofing Sys			
8. Roofing Tiles			
9. Roofing Insulation			
10. Waterproofing			
11. Wood shingles /shakes			
12. Roofing Slate			

Category/Subcategory (cont.)	Manufacturer	Product Description	Approval Number(s)
13. Liquid Applied Roof Sys			
14. Cements-Adhesives – Coatings			
15. Roof Tile Adhesive			
16. Spray Applied Polyurethane Roof			
17. Other			
E. SHUTTERS			
1. Accordion			
2. Bahama			
3. Storm Panels			
4. Colonial			
5. Roll-up			
6. Equipment			
7. Others			
F. SKYLIGHTS			
1. Skylight			
2. Other			
G. STRUCTURAL COMPONENTS			
1. Wood connector/anchor			
2. Truss plates			
3. Engineered lumber			
4. Railing			
5. Coolers-freezers			
6. Concrete Admixtures			
7. Material			
8. Insulation Forms			
9. Plastics			
10. Deck-Roof		7/16" OSB	
11. Wall			
12. Sheds			
13. Other			
H. NEW EXTERIOR ENVELOPE PRODUCTS			
1.			
2.			

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

I understand these products may have to be removed if approval cannot be demonstrated during inspection.

Contractor or Contractor's Authorized Agent Signature

Location

Print Name

Date

Residential System Sizing Calculation

Summary

Harris Residence
Lake Jeffery Road
, FL

Project Title:
1103016

Class 3 Rating
Registration No. 0
Climate: North

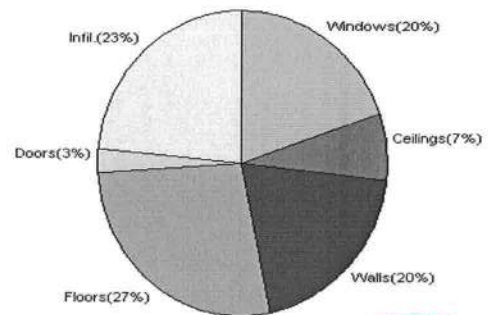
3/14/2011

Location for weather data: Gainesville - Defaults: Latitude(29) Altitude(152 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (77F) Humidity difference(54gr.)			
Winter design temperature	33 F	Summer design temperature	92 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	37 F	Summer temperature difference	17 F
Total heating load calculation	32902 Btuh	Total cooling load calculation	27598 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	118.5 39000	Sensible (SHR = 0.75)	128.2 29250
Heat Pump + Auxiliary(0.0kW)	118.5 39000	Latent	203.7 9750
		Total (Electric Heat Pump)	141.3 39000

WINTER CALCULATIONS

Winter Heating Load (for 1752 sqft)

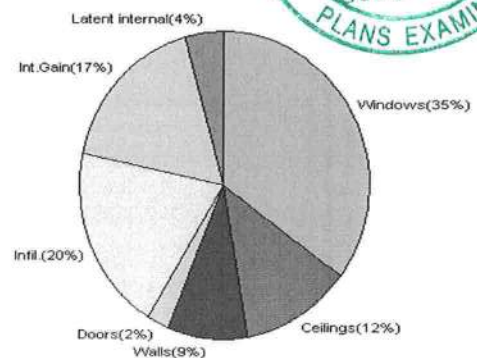
Load component		Load	
Window total	203 sqft	6538	Btuh
Wall total	1988 sqft	6529	Btuh
Door total	68 sqft	881	Btuh
Ceiling total	1992 sqft	2347	Btuh
Floor total	207 sqft	9038	Btuh
Infiltration	187 cfm	7570	Btuh
Duct loss		0	Btuh
Subtotal		32902	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		32902	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1752 sqft)

Load component		Load	
Window total	203 sqft	9680	Btuh
Wall total	1988 sqft	2562	Btuh
Door total	68 sqft	666	Btuh
Ceiling total	1992 sqft	3299	Btuh
Floor total		0	Btuh
Infiltration	98 cfm	1826	Btuh
Internal gain		4780	Btuh
Duct gain		0	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		22813	Btuh
Latent gain(ducts)		0	Btuh
Latent gain(infiltration)		3586	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		1200	Btuh
Total latent gain		4786	Btuh
TOTAL HEAT GAIN		27598	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY:

DATE: 3/14/11 ERAW BEAMER

System Sizing Calculations - Winter

Residential Load - Whole House Component Details

Harris Residence
Lake Jeffery Road
, FL

Project Title:
1103016

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Winter Temperature Difference: 37.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/14/2011

Component Loads for Whole House

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, SHGC=0.5, Metal, 0.87	NW	25.0		32.2	805 Btuh
2	2, SHGC=0.5, Metal, 0.87	NW	11.1		32.2	357 Btuh
3	2, SHGC=0.5, Metal, 0.87	NW	30.0		32.2	966 Btuh
4	2, SHGC=0.5, Metal, 0.87	NW	30.0		32.2	966 Btuh
5	2, SHGC=0.5, Metal, 0.87	NE	4.0		32.2	129 Btuh
6	2, SHGC=0.5, Metal, 0.87	SE	30.0		32.2	966 Btuh
7	2, SHGC=0.5, Metal, 0.87	SE	12.0		32.2	386 Btuh
8	2, SHGC=0.5, Metal, 0.87	SE	10.0		32.2	322 Btuh
9	2, SHGC=0.5, Metal, 0.87	SE	30.0		32.2	966 Btuh
10	2, SHGC=0.5, Metal, 0.87	SW	6.0		32.2	193 Btuh
11	2, SHGC=0.5, Metal, 0.87	SW	15.0		32.2	483 Btuh
Window Total			203(sqft)			6538 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Face Brick - Wood - Ext(0.09)	13.0	1644		3.3	5399 Btuh
2	Frame - Wood - Adj(0.09)	13.0	344		3.3	1130 Btuh
Wall Total			1988			6529 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Adjacent		20		12.9	259 Btuh
2	Insulated - Exterior		20		12.9	259 Btuh
3	Insulated - Exterior		21		12.9	272 Btuh
4	Insulated - Exterior		7		12.9	91 Btuh
Door Total			68			881 Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1992		1.2	2347 Btuh
Ceiling Total			1992			2347 Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	207.0 ft(p)		43.7	9038 Btuh
Floor Total			207			9038 Btuh
Zone Envelope Subtotal:						25332 Btuh
Infiltration	Type	ACH X	Zone Volume	CFM=		
	Natural	0.80	14016	186.9		7570 Btuh
Ductload	Unsealed, R6.0, Supply(Attic), Return(Attic) (DLM of 0.00)					0 Btuh
Zone #1	Sensible Zone Subtotal					32902 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Harris Residence
Lake Jeffery Road
, FL

Project Title:
1103016

Class 3 Rating
Registration No. 0
Climate: North

3/14/2011

WHOLE HOUSE TOTALS

	Subtotal Sensible	32902 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	32902 Btuh

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

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



For Florida residences only

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Harris Residence
Lake Jeffery Road
, FL

Project Title:
1103016

Class 3 Rating
Registration No. 0
Climate: North

Reference City: Gainesville (Defaults) Summer Temperature Difference: 17.0 F
This calculation is for Worst Case. The house has been rotated 315 degrees.

3/14/2011

Component Loads for Whole House

Window	Type*			Overhang		Window Area(sqft)			HTM		Load			
	Pn/SHGC/U/InSh/ExSh/IS	Ornt		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded				
1	2, SHGC=0.5, 0.87, None,N,N	NW		10.5f	6ft.	25.0	0.0	25.0	25	49	1214	Btuh		
2	2, SHGC=0.5, 0.87, None,N,N	NW		10.5f	8ft.	11.1	0.0	11.1	25	49	539	Btuh		
3	2, SHGC=0.5, 0.87, None,N,N	NW		10.5f	6ft.	30.0	0.0	30.0	25	49	1457	Btuh		
4	2, SHGC=0.5, 0.87, None,N,N	NW		1.5ft	6ft.	30.0	0.0	30.0	25	49	1457	Btuh		
5	2, SHGC=0.5, 0.87, None,N,N	NE		1.5ft	2ft.	4.0	0.0	4.0	25	49	194	Btuh		
6	2, SHGC=0.5, 0.87, None,N,N	SE		6ft.	8ft.	30.0	30.0	0.0	25	50	761	Btuh		
7	2, SHGC=0.5, 0.87, None,N,N	SE		6ft.	3ft.	12.0	12.0	0.0	25	50	304	Btuh		
8	2, SHGC=0.5, 0.87, None,N,N	SE		11.5f	10ft.	10.0	10.0	0.0	25	50	254	Btuh		
9	2, SHGC=0.5, 0.87, None,N,N	SE		1.5ft	6ft.	30.0	9.1	20.9	25	50	1284	Btuh		
10	2, SHGC=0.5, 0.87, None,N,N	SW		1.5ft	4ft.	6.0	3.0	3.0	25	50	226	Btuh		
11	2, SHGC=0.5, 0.87, None,N,N	SW		1.5ft	6ft.	15.0	4.6	10.4	25	50	642	Btuh		
	Excursion										1348	Btuh		
	Window Total					203 (sqft)					9680 Btuh			
Walls	Type			R-Value/U-Value		Area(sqft)			HTM		Load			
1	Face Brick - Wood - Ext			13.0/0.09		1644.0			1.2		2043 Btuh			
2	Frame - Wood - Adj			13.0/0.09		344.0			1.5		519 Btuh			
	Wall Total					1988 (sqft)					2562 Btuh			
Doors	Type					Area (sqft)			HTM		Load			
1	Insulated - Adjacent					20.0			9.8		196 Btuh			
2	Insulated - Exterior					20.0			9.8		196 Btuh			
3	Insulated - Exterior					21.0			9.8		206 Btuh			
4	Insulated - Exterior					7.0			9.8		69 Btuh			
	Door Total					68 (sqft)					666 Btuh			
Ceilings	Type/Color/Surface			R-Value		Area(sqft)			HTM		Load			
1	Vented Attic/DarkShingle			30.0		1992.0			1.7		3299 Btuh			
	Ceiling Total					1992 (sqft)					3299 Btuh			
Floors	Type			R-Value		Size			HTM		Load			
1	Slab On Grade			0.0		207 (ft(p))			0.0		0 Btuh			
	Floor Total					207.0 (sqft)					0 Btuh			
	Zone Envelope Subtotal:										16207 Btuh			
Infiltration	Type			ACH		Volume(cuft)			CFM=		Load			
	SensibleNatural			0.42		14016			98.1		1826 Btuh			
Internal gain				Occupants		Btuh/occupant			Appliance		Load			
				6		X 230 +			3400		4780 Btuh			
Duct load	Unsealed, R6.0, Supply(Attic), Return(Attic)										DGM = 0.00		0.0 Btuh	
	Sensible Zone Load										22813 Btuh			

Manual J Summer Calculations

Residential Load - Component Details (continued)

Harris Residence
Lake Jeffery Road
, FL

Project Title:
1103016

Class 3 Rating
Registration No. 0
Climate: North

3/14/2011

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	22813 Btuh
	Sensible Duct Load	0 Btuh
	Total Sensible Zone Loads	22813 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	22813 Btuh
	Latent infiltration gain (for 54 gr. humidity difference)	3586 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	0 Btuh
	Latent occupant gain (6 people @ 200 Btuh per person)	1200 Btuh
	Latent other gain	0 Btuh
	Latent total gain	4786 Btuh
	TOTAL GAIN	27598 Btuh

*Key: Window types (Pn - Number of panes of glass)
(SHGC - Shading coefficient of glass as SHGC numerical value or as clear or tint)
(U - Window U-Factor or 'DEF' for default)
(InSh - Interior shading device: none(N), Blinds(B), Draperies(D) or Roller Shades(R))
(ExSh - Exterior shading device: none(N) or numerical value)
(BS - Insect screen: none(N), Full(F) or Half(H))
(Ornt - compass orientation)



For Florida residences only

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Alternate Residential Points System Method

FORM 600A-08

NORTH 1 2 3

PROJECT NAME: AND ADDRESS:	<u>11030 16</u> <u>LAKE JEFFERY ROAD</u> <u>COLUMBIA COUNTY</u>	BUILDER: <u>MILTON BUILDERS</u>	PERMITTING OFFICE:	CLIMATE ZONE: 1 ☒ 2 ☐ 3 ☐
OWNER:	<u>HARLIS RES.</u>	PERMIT NO.:	JURISDICTION NO.:	

Please Type

CK

1. New construction or addition
2. Single-family detached or Multiple-family attached
3. If Multiple-family-No. of units covered by this submission
4. Is this a worst case? (yes/no)
5. Conditioned floor area (sq. ft.)
6. Predominant eave overhang (ft.)
7. Glass type¹ and area: (Label required by 13-104.4.5 if not default)
 - a. U-factor: (or Single- or Double-Pane DEFAULT)
 - b. SHGC: (or Clear or Tint DEFAULT)
8. Floor type and insulation:
 - a. Slab-on-grade (R-value + perimeter)
 - b. Wood, raised (R-value + sq. ft.)
 - c. Concrete, raised (R-value)
9. Net wall type, area and insulation:
 - a. Exterior:
 1. Concrete block (Insulation R-value)
 2. Wood frame (Insulation R-value)
 3. Steel frame (Insulation R-value)
 4. Log (Insulation R-value)
 5. Other: WOOD FRAME W/ BRICK FACE
 - b. Adjacent:
 1. Concrete block (Insulation R-value)
 2. Wood frame (Insulation R-value)
 3. Steel frame (Insulation R-value)
 4. Log (Insulation R-value)
10. Ceiling type, area and insulation:
 - a. Under attic (Insulation R-value)
 - b. Single assembly (Insulation R-value)
 - c. Radiant barrier, IRCC or white roof installed?
11. Air distribution system:
 - a. Ducts (Insulation + Location)
 - b. Air Handler (Location)
12. Cooling system:
(Types: central-split, central-single pkg., room unit, PTAC, gas, none)
13. Heating system:
(Types: heat pump, elec. strip, nat. gas, LP gas, gas h.p., room or PTAC, none)
14. Hot water system:
(Types: elec., natural gas, solar, LP gas, none)
15. Hot water credits
 - a. Heat Recovery (HR)
 - b. Dedicated Heat Pump (DHP)
 - c. Solar
16. HVAC Credits
(Use: CF-ceiling fan, CV-cross vent, PT-programmable thermostat, HF-whole house fan, MZ-Multizone)
17. COMPLIANCE STATUS: (PASS if As-Built Pts. are less than Base Pts.)
 - a. Total As-Built points
 - b. Total Base points



1.	NEW	sq. ft.	CK
2.	SINGLE		
3.	X		
4.	YES		
5.	1752	sq. ft.	
6.	1.5	ft.	
Description Area			
7a.	DOUBLE 87	sq. ft.	
7b.	SHGC .5 205	sq. ft.	
8a.	R = 0	207 l. ft.	
8b.	R =	sq. ft.	
8c.	R =	sq. ft.	
9a-1	R =	sq. ft.	
9a-2	R =	sq. ft.	
9a-3	R =	sq. ft.	
9a-4	R = 11	1644 sq. ft.	
9b-1	R =	sq. ft.	
9b-2	R = 13	344 sq. ft.	
9b-3	R =	sq. ft.	
9b-4	R =	sq. ft.	
10a.	30	1992 sq. ft.	
10b.		sq. ft.	
10c.			
11a.	R = 6	UNCOND (cond, uncond.)	
11b.	R =	COND (cond, uncond.)	
12a.	Type: CENTRAL SPLIT		
12b.	SEER/EER/COP: 13		
12c.	Capacity: 39000 BTUH		
13a.	Type: HEAT PUMP		
13b.	HSPF/COP/AFUE: 7.7		
13c.	Capacity: 39000 BTUH		
14a.	Type: ELEC		
14b.	EF: .93		
15a.	X		
15b.	X		
15c.	X		
16.	PT		
17.	PASS		
17a.	21810	17b. 21752	

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

PREPARED BY: EVAN BEAMSLEY DATE: 3/11/11

I hereby certify that this building is in compliance with the Florida Energy Code:

OWNER AGENT: _____ DATE: _____

Review of 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 in accordance with Section 553.908, F.S.

BUILDING OFFICIAL: _____
 DATE: _____

A-1 SUMMER OVERHANG FACTORS (SOF) FOR SINGLE-AND DOUBLE-PANE GLASS

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	0.993	0.971	0.930	0.888	0.842	0.803	0.766	0.736	0.681	0.634	0.593
	Northeast	1.00	0.996	0.967	0.907	0.845	0.775	0.717	0.662	0.619	0.545	0.487	0.441
	East	1.00	0.994	0.963	0.898	0.827	0.745	0.675	0.609	0.558	0.470	0.405	0.357
	Southeast	1.00	0.998	0.952	0.864	0.777	0.689	0.623	0.566	0.525	0.459	0.413	0.379
	South	1.00	0.989	0.931	0.835	0.751	0.675	0.620	0.575	0.543	0.493	0.458	0.432
	Southwest	1.00	0.998	0.953	0.866	0.779	0.691	0.623	0.565	0.522	0.453	0.404	0.368
	West	1.00	0.994	0.963	0.899	0.828	0.748	0.681	0.617	0.569	0.485	0.422	0.375
	Northwest	1.00	0.996	0.968	0.913	0.858	0.797	0.748	0.702	0.667	0.605	0.556	0.516
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

A-2 WALL SUMMER POINT MULTIPLIERS (SPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
WOOD		STEEL			INTERIOR INSULATION		EXT. INSUL.		R-VALUE	WOOD FR	R-VALUE	BLOCK	R-VALUE	6 INCH	8 INCH
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	0-6.9	2.4	0-2.9	1.0		EXT	EXT
0-6.9	5.5	2.2	7.6	2.8	0-2.9	2.2	1.1	2.2	7-10.9	.6	3-6.9	.6	0-2.9	1.5	1.0
7-10.9	2.1	.8	3.5	1.3	3-4.9	1.3	.8	.8	11-18.9	.4	7-9.9	.4	3-6.9	1.0	.7
11-12.9	1.7	.7	2.7	1.0	5-6.9	1.0	.7	.5	19-25.9	.2	10 & UP	.2	7 & UP	.8	.6
13-18.9	1.5	.6	2.5	0.9	7-10.9	.7	.5	.3	26 & UP	.1					
19-25.9	.9	.4	2.2	0.8	11-18.9	.4	.4	0							
26 & UP	.6	.2	1.2	0.4	19-25.9	.2	.2								
					26 & UP	.1	.1								

A-3 DOOR SUMMER POINT MULTIPLIERS (SPM)

DOOR TYPE	EXTERIOR	ADJACENT
WOOD	6.1	2.4
INSULATED	4.1	1.6

6A-4 CEILING SUMMER POINT MULTIPLIERS (SPM)

UNDER ATTIC		SINGLE ASSEMBLY		CONCRETE DECK ROOF		
R-VALUE	SPM	R-VALUE	SPM	CEILING TYPE		
				R-VALUE	EXPOSED	DROPPED
19-21.9	2.34	10-10.9	8.49	10-13.9	9.13	8.47
22-25.9	2.11	11-12.9	7.97	14-20.9	6.80	6.45
26-29.9	1.89	13-18.9	7.14	21 & UP	4.92	4.63
30-37.9	1.73	19-25.9	5.84			
38 & UP	1.52	26-29.9	4.75			
RBS Credit	0.700	30 & UP	4.40			
IRCC Credit	0.849					
White Roof Credit	0.550					

A-5 FLOOR SUMMER POINT MULTIPLIERS (SPM)

SLAB-ON-GRADE EDGE INSULATION		RAISED CONCRETE		RAISED WOOD			
R-VALUE	SPM	R-VALUE	SPM	POST OR PIER CONSTRUCTION	STEM WALL w/UNDER FLOOR INSULATION	ADJACENT	
				R-VALUE	SPM	SPM	SPM
0-2.9	-41.2	0-2.9	-.8	0-6.9	2.80	-4.7	2.2
3-4.9	-37.2	3-4.9	-1.3	7-10.9	1.34	-2.3	.8
5-6.9	-36.2	5-6.9	-1.3	11-18.9	1.06	-1.9	.7
7 & UP	-35.7	7 & UP	-1.3	19 & UP	.77	-1.5	.4

A-6 INFILTRATION & INTERNAL GAINS (SPM)

Air Infiltration	3.44
Internal Gains	+6.77
Infiltration/Internal Gains (Combined)	10.21

A-7 AIR HANDLER MULTIPLIERS (SPM)

located in garage	1.00
located in conditioned area	0.91
located on exterior of building	1.02
located in attic	1.11

6A-8 DUCT MULTIPLIERS (DM)

SUPPLY DUCTS IN:		DUCT R-VALUE	RETURN DUCTS IN:				
			Unconditioned space	Attic/ RBS	Attic/ IRCC	Attic/ Cool roof	Conditioned space
Unconditioned Space		4.2	1.118	1.111	1.112	1.089	1.107
		6.0	1.090	1.084	1.085	1.066	1.081
		8.0	1.071	1.066	1.067	1.051	1.064
Attic/Radiant Barrier (RBS)		4.2	1.072	1.066	—	—	1.061
		6.0	1.056	1.051	—	—	1.047
		8.0	1.045	1.041	—	—	1.037
Attic/Interior Radiation Control Coatings (IRCC)		4.2	1.099	—	1.092	—	1.084
		6.0	1.076	—	1.071	—	1.065
		8.0	1.061	—	1.057	—	1.052
Attic/Cool Roof		4.2	1.068	—	—	1.096	1.057
		6.0	1.051	—	—	1.071	1.043
		8.0	1.040	—	—	1.055	1.034
Conditioned Space		4.2	1.006	1.005	1.007	1.008	1.000
		6.0	1.005	1.004	1.005	1.006	1.000
		8.0	1.004	1.003	1.004	1.005	1.000

A-9 COOLING SYSTEM MULTIPLIERS (CSM)

SYSTEM TYPE		COOLING SYSTEM MULTIPLIERS (CSM)									
Central Units (SEER)	Rating	7.5-7.9	8.0-8.4	8.5-8.8	8.9-9.4	9.5-9.9	10.0-10.4	10.5-10.9	11.0-11.4	11.5-11.9	12.0-12.4
	CSM	.45	.43	.40	.38	.36	.34	.32	.31	.30	.28
PTAC & Room Units (EER)	Rating	12.5-12.9	13.0-13.4	13.5-13.9	14.0-14.4	14.5-14.9	15.0-15.4	15.5-15.9	16.0-16.4	16.5-16.9	17.0-17.4
	CSM	.27	.26	.25	.24	.24	.23	.22	.21	.21	.20

6A-10 WINTER OVERHANG FACTORS (WOF)

SELECT BY OR	OH Ratio	.00-.11	.12-.17	.18-.26	.27-.35	.36-.46	.47-.57	.58-.70	.71-.83	.84-1.18	1.19-1.72	1.73-2.73	2.74 & up
	North	1.00	1.000	1.001	1.003	1.005	1.009	1.011	1.014	1.016	1.021	1.024	1.027
	Northeast	1.00	0.998	1.001	1.008	1.015	1.023	1.029	1.035	1.040	1.049	1.056	1.061
	East	1.00	1.007	1.018	1.040	1.069	1.109	1.150	1.198	1.242	1.338	1.429	1.507
	Southeast	1.00	1.014	1.043	1.111	1.202	1.332	1.472	1.635	1.787	2.113	2.412	2.650
	South	1.00	0.994	1.032	1.142	1.308	1.563	1.845	2.175	2.471	3.042	3.450	3.661
	Southwest	1.00	1.006	1.025	1.070	1.131	1.217	1.308	1.413	1.508	1.708	1.888	2.031
	West	1.00	1.002	1.010	1.027	1.049	1.077	1.102	1.128	1.149	1.187	1.217	1.238
	Northwest	1.00	0.999	1.000	1.004	1.008	1.012	1.016	1.019	1.022	1.028	1.032	1.036
	OH Length	0.0'	1.0'	1.5'	2.0'	3.0'	3.5'	4.5'	5.5'	6.5'	9.5'	14.0'	20.0'

6A-11 WALL WINTER POINT MULTIPLIERS (WPM)

FRAME					CONCRETE BLOCK (NORMAL WT)				FACE BRICK				LOG		
									R-VALUE	WOOD FR	R-VALUE	BLOCK			
					INTERIOR INSULATION			EXT. INSUL.	0-6.9	12.6	0-2.9	7.9			
													6 INCH	8 INCH	
R-VALUE	EXT	ADJ	EXT	ADJ	R-VALUE	EXT	ADJ	EXT	7-10.9	4.2	3-6.9	5.7	R-VALUE	EXT	EXT
0-6.9	11.1	10.4	15.1	13.1	0-2.9	11.2	6.8	11.2	11-18.9	3.5	7-9.9	3.8	0-2.9	4.5	3.0
7-10.9	4.4	4.4	7.3	6.6	3-4.9	7.3	5.1	5.6	19-25.9	2.2	10 & UP	3.0	3-6.9	2.8	2.2
11-12.9	3.7	3.6	5.7	5.2	5-6.9	5.7	4.2	4.3	26 & UP	1.4			7 & UP	2.1	1.7
13-18.9	3.4	3.3	5.2	4.9	7-10.9	4.6	3.5	3.3							
19-25.9	2.2	2.2	4.6	4.4	11-18.9	3.0	2.6	2.2							
26 & Up	1.5	1.5	2.7	2.6	19-25.9	1.9	1.7								
					26 & UP	1.3	1.2								

A-19 COOLING CREDIT MULTIPLIERS

SYSTEM TYPE	Cooling credit multipliers (CCM)
Ceiling Fans	.95*
Cross Ventilation	.95*
Whole House Fan	.95*
Multizone	.95
Programmable Thermostat	.95

Credit may be taken for only one system type concurrently.

6A-20 AIR DISTRIBUTION SYSTEM CREDIT MULTIPLIERS

TYPE CREDIT	Prescriptive requirements	Multiplier
Air-tight Duct Credit ¹	Appx G-C5.2.2.1.1	1.00
Factory-sealed AHU Credit ²	Appx G-C5.2.2.1.2	0.95

¹Duct Sealing Multiplier (DSM) shall be 1.15 (summer) or 1.17 (winter) unless Air-tight Duct Credit is demonstrated by test report.

²Multiply Factory-sealed AHU credit by summer (Table 6A-7) or winter (Table 6A-16) AHU multiplier. Insert total in the "As-Built AHU" box on page 2 or 4.

A-21 HEATING CREDIT MULTIPLIERS (HCM)

SYSTEM TYPE	HEATING CREDIT MULTIPLIERS (HCM)	
Programmable Thermostat	HCM	.95
Multizone	HCM	.95

A-22 HOT WATER MULTIPLIERS (HWM)

SYSTEM TYPE									
Electric Resistance	EF	.80-.81	.82-.83	.84-.85	.86-.87	.88-.90	.91-.93	.94-.96	.97 & Up
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
Gas Water Heating	EF	.54	.55	.56	.57	.58	.59	.60	.61
	HWM	3020	2946	2876	2809	2746	2655	2571	2491
	EF	.62-.63	.64-.65	.66-.70	.71-.75	.76-.80	.81-.83	.84-.86	.87 & Up
	HWM	2346	2217	2101	1738	1456	1196	1055	933

A-23 HOT WATER CREDIT MULTIPLIERS (HWCN)

SYSTEM TYPE		HOT WATER CREDIT MULTIPLIERS (HWCN)					
Heat Recovery Unit	With	Air Conditioner			Heat Pump		
	HWCN	.84			.78		
Add-on Dedicated Heat Pump (without tank)	EF	2.0-2.49	2.5-2.99	3.0-3.49	3.5 & Up		
	HWCN	.44	.35	.29	.25		
Add-on Solar Water Heater (without tank)	EF	1.0-1.9	2.0-2.9	3.0-3.9	4.0-4.9	5.0 & Up	
	HWCN	.84	.42	.28	.21	.17	

NOTE: An HWM must be used in conjunction with all HWCN. See Table 6A-22. EF Means Energy Factor.

A-24 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	N1106.AB.1.1	Max: 3 cfm/sq. ft. window area; .5cfm/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; CFM utility penetrations; between wall panels & top/bottom plates; between walls & 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 joist 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	Seal: Between walls & ceilings: penetrations of ceiling plane of 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 rated with <2.0 cfm from conditioned space, tested.	
Multiple 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.	

A-25 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 N1112.AB.3. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required for vertical pipe risers.	
Swimming Pools & Spas	N1112.AB.2.3	Spas & heated pools must have covers (except solar heated). Noncommercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
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. Ducts in unconditioned attics: R-6 minimum 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.	

Double Pane: Default U -factor = 0.87									
Solar Heat Gain Coefficient	0.50-0.46	0.45-0.41	0.40-0.36	0.35-0.31	0.30-0.26	0.25-0.21	0.20-0.16	0.15-0	
Summer:									
N	12.854	10.866	8.906	6.923	4.942	2.988	1.036	-0.965	
NE	20.713	17.944	15.214	12.451	9.690	6.969	4.251	1.464	
E	30.171	26.442	22.764	19.039	15.315	11.643	7.971	4.206	
SE	30.708	26.929	23.201	19.425	15.650	11.926	8.202	4.381	
S	25.488	22.234	19.025	15.776	12.528	9.324	6.123	2.839	
SW	28.732	25.150	21.616	18.038	14.461	10.933	7.406	3.789	
W	27.481	24.019	20.605	17.147	13.692	10.283	6.876	3.382	
NW	17.981	15.477	13.007	10.506	8.007	5.543	3.081	0.556	
H	52.565	45.607	38.743	31.794	24.851	18.002	11.158	4.138	
Winter:									
N	25.735	26.095	26.448	26.805	27.160	27.508	27.856	28.210	
NE	24.963	25.398	25.825	26.257	26.688	27.112	27.534	27.966	
E	21.287	22.070	22.843	23.625	24.408	25.180	25.953	26.746	
SE	18.143	19.228	20.301	21.391	22.483	23.564	24.647	25.762	
S	17.052	18.238	19.413	20.607	21.805	22.991	24.180	25.405	
SW	19.729	20.674	21.608	22.557	23.509	24.451	25.394	26.366	
W	22.801	23.449	24.089	24.735	25.381	26.018	26.654	27.306	
NW	25.522	25.903	26.278	26.656	27.033	27.403	27.771	28.148	
H	23.141	24.181	25.213	26.263	27.319	28.365	29.416	30.499	

ESTIMATED ENERGY PERFORMANCE INDEX* =
The lower the Energy Performance Index, the more efficient the home.

New Home or addition <u>NEW</u> Single family or multiple family <u>SINGLE</u> Number of units, (if multi-family) _____ Number of bedrooms <u>3</u> Is this a worst case? (yes or no) <u>YES</u> Conditioned floor area <u>1752</u> sq. ft. Glass type & area a. U-Factor: <u>.87</u> <u>205</u> sq. ft. (Or single or double Default) _____ sq. ft. b. SHGC: <u>.5</u> _____ sq. ft. (Or clear or tint Default) _____ sq. ft. Floor types, Insulation level a. Slab-on-grade, edge insulation R= <u>0</u> b. Wood, raised R= _____ c. Concrete, raised R= _____ Wall types, Insulation level Exterior a. Wood frame R= <u>11</u> b. Metal frame R= _____ c. Concrete block R= _____ d. Log R= _____ e. Other _____ R= _____ Adjacent a. Wood frame R= <u>13</u> b. Metal frame R= _____ c. Concrete block R= _____ d. Log R= _____ e. Other _____ R= _____ f. Ceiling types, Insulation level a. Under attic R= <u>30</u> b. Single assembly R= _____ c. Knee walls/skylight walls R= _____ d. Radiant barrier installed R= _____	11. Ducts, Location & Insulation Level a. Supply ducts: <u>ATTIC</u> R= <u>6</u> b. Return ducts: <u>ATTIC</u> R= <u>6</u> 12. Cooling systems Capacity: <u>39000 BTUH</u> a. Split system SEER: <u>13</u> b. Single package SEER: _____ c. Ground/water source COP: _____ d. Room unit EER: _____ e. PTAC EER: _____ f. Gas-driven COP: _____ 13. Heating Systems Capacity: <u>39000 BTUH</u> a. Split system heat pump HSPF: <u>7.7</u> b. Single package heat pump HSPF: _____ c. Electric resistance COP: _____ d. Gas furnace, natural gas AFUE: _____ e. Gas furnace, LPG AFUE: _____ f. Gas-driven heat pump Recov. EFF.: _____ 14. Water heating systems a. Electric resistance EF: <u>.93</u> b. Gas fired, natural gas EF: _____ c. Gas fired, LPG EF: _____ d. Solar System with tank EF: _____ e. Dedicated heat pump with tank EF: _____ f. Heat recovery unit HeatRec% _____ g. Other: _____ 15. HVAC credits claimed (Alternate Point System Method only) a. Ceiling fans _____ b. Cross ventilation _____ c. Whole house fan _____ d. Multizone cooling credit _____ e. Multizone heating credit _____ f. Programmable thermostat <u>X</u>
---	--

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

Builder Signature: _____

Date: _____

Address of New Home: _____

City/FL Zip _____

This Instrument Prepared by & return to:
Name: OLEATHA HARRIS
Address: 360 NW ELLA ALLEN COURT
LAKE CITY, FL 32055

Inst 201112002298 Date 2/14/2011 Time 11:08 AM
Doc Stamp-Deed 0.70
D.C.P. DevWitt Cason, Columbia County Page 1 of 2 B:1209 P:2294

Parcel I.D. #:

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

THIS WARRANTY DEED Made the 12th day of February, 2011, by

OLEATHA HARRIS, an unmarried widow,

ANGEE HARRIS FORD, DON F. HARRIS, ERMA HARRIS MORRIS, ERIC L. HARRIS, KEITH M. HARRIS,
KENDRICK J. HARRIS AND CARROLL LAMAR HARRIS,

Conveying non-homestead property,

hereinafter called the grantors,

to VICKIE R. HARRIS,

whose address is 361 NW ELLA ALLEN COURT, LAKE CITY, FL 32055,

hereinafter called the grantee:

(Wherever used herein the terms "grantor" and "grantee" include all the parties to this instrument, singular and plural, the heirs, legal representatives and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires.)

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable consideration, receipt whereof is hereby acknowledged, does hereby grant, bargain, sell, alien, remise, release, convey and confirm unto the grantee all that certain land situate in **Columbia County, State of Florida**, viz:

BEGIN AT THE NE CORNER OF SECTION 16, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN S 63°07'06"W, 493.70 FEET; THENCE N 85°58'17"W, 369.71 FEET; THENCE S 00°40'55"W, 1141.51 FEET TO THE SOUTH LINE OF THE NORTH ¼ OF SAID SECTION 16; THENCE S 89°34'10"E, ALONG SAID SOUTH LINE, 820.53 FEET TO THE SE CORNER OF SAID NORTH ¼; THENCE N 00°05'41"E, ALONG THE EAST LINE OF SAID SECTION 16, 1344.84 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH AN EASEMENT FOR INGRESS AND EGRESS BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE NE CORNER OF SECTION 16, TOWNSHIP 3 SOUTH, RANGE 16 EAST, COLUMBIA COUNTY, FLORIDA AND RUN S 63°07'06"W, 493.70 FEET; THENCE N 85°58'17"W, 56.96 FEET; THENCE N 63°07'06"E, 484.44 FEET TO THE NORTH LINE OF SAID SECTION 16; THENCE S 89°24'19"E, ALONG SAID NORTH LINE, 65.02 FEET TO THE POINT OF BEGINNING.

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

To Have and to Hold the same in fee simple forever.

And the grantor hereby covenants with said grantee that he is lawfully seized of said land in fee simple; that he has good right and lawful authority to sell and convey said land, and hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever, and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2011.

In Witness Whereof, the said grantor has signed and sealed these presents, the day and year first above written.

Signed, sealed and delivered in the presence of:

Begina Simpson
Witness Signature
Printed Name Begina Simpson

Dennis S. Murphy
Witness Signature
Printed Name DENNIS S. MURPHY

Oleatha Harris L.S.
OLEATHA HARRIS
Address: 360 NW ELLA ALLEN COURT
LAKE CITY, FL 32055

Angie Harris Ford L.S.
ANGEE HARRIS FORD
Address: 3821 NW Lake Jeffrey Rd
Lake City, FL 32055

Don F. Harris L.S.
DON F. HARRIS
Address: 187 N.E. MELANIE WAY
L.C. FLA.

Erma Harris Morris L.S.
ERMA HARRIS MORRIS
Address: 8050 E. Washington St.
Monticello FL 32344

Eric L. Harris L.S.
ERIC L. HARRIS
Address: 1616 ARNOLD DR
MELBOURNE FL 32935

Keith M. Harris L.S.
KEITH M. HARRIS
Address: 300 S.W. AMISTAD CBLV.
LAKE CITY FL 32025

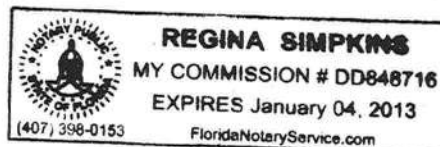
Kendrick Harris L.S.
KENDRICK J. HARRIS
Address: 3625E Pearl Terr

Carroll L. Harris L.S.
CARROLL LAMAR HARRIS
Address: 853 N.W. Windell St.
Lake City FL 32055

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 12th day of February, 2011, by
OLEATHA HARRIS, ANGEE HARRIS FORD, DON F. HARRIS, ERMA HARRIS MORRIS, ERIC L. HARRIS, KEITH M.
HARRIS, KENDRICK J. HARRIS and CARROLL LAMAR HARRIS, who are known to me or who have produced
Drivers License as identification.

Regina Simpkins
Notary Public
My commission expires _____



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: IUA2487-Z0108103724



Truss Fabricator: Anderson Truss Company
 Job Identification: 11-043--Fill in later MILTON BUILDERS/HARRIS -- , **
 Truss Count: 46
 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
 Address: the seal date per section 61G15-31.003(5a) of the FAC
 Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 110 MPH ASCE 7-05 -Closed

Notes:

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

Walter P. Finn
 -Truss Design Engineer-

1950 Marley Drive
 Haines City, FL 33844

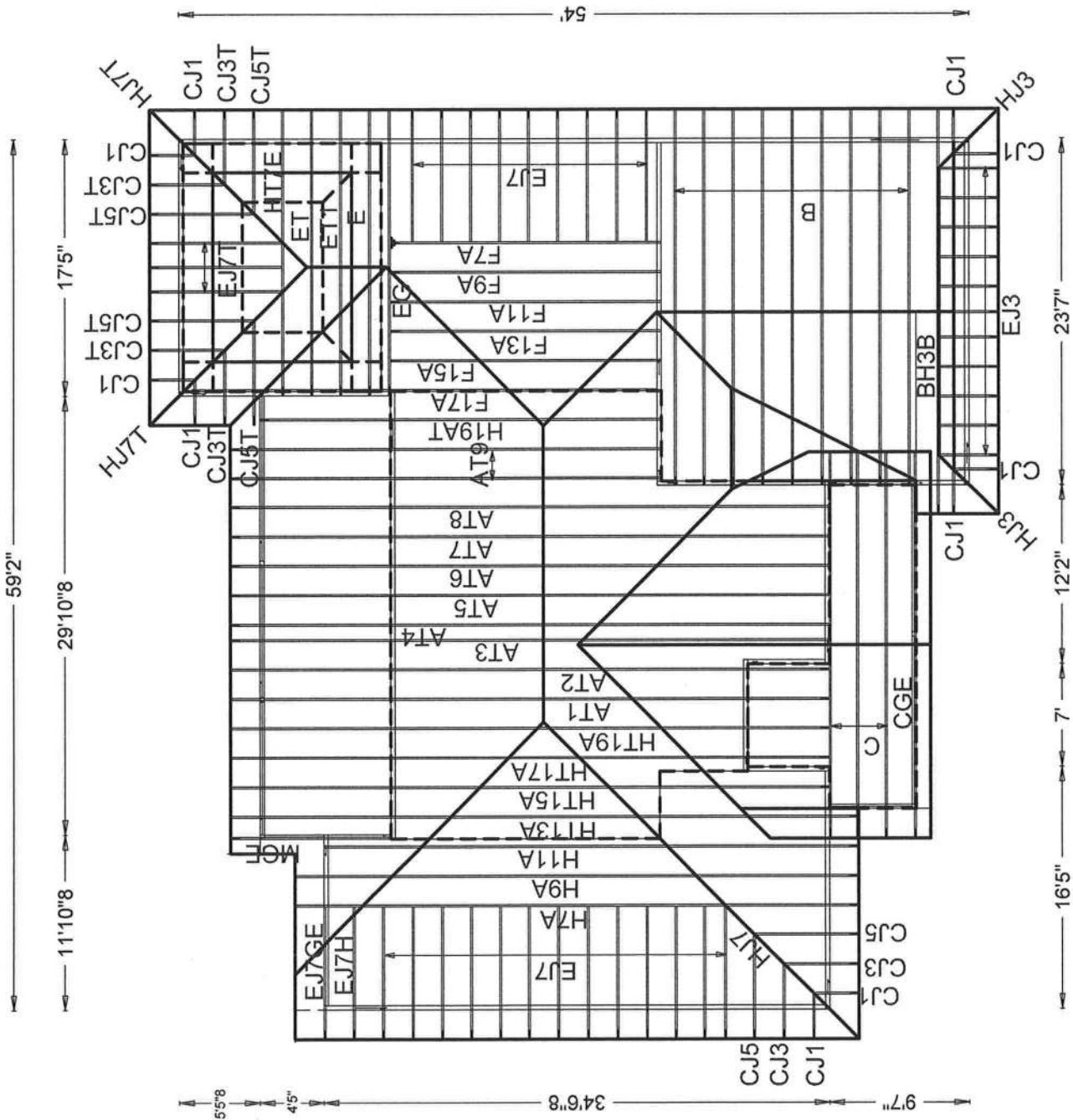
Details: BRCLBSUB-A1101505-GBLLETIN-CNNAILSP-

#	Ref	Description	Drawing#	Date
1	91596--H9A		11067001	03/08/11
2	91597--H11A		11067002	03/08/11
3	91598--H7A		11067003	03/08/11
4	91599--H19AT		11067004	03/08/11
5	91600--AT9		11067005	03/08/11
6	91601--HT13A		11067006	03/08/11
7	91602--HT15A		11067007	03/08/11
8	91603--HT17A		11067008	03/08/11
9	91604--HT19A		11067009	03/08/11
10	91605--AT1		11067010	03/08/11
11	91606--AT2		11067011	03/08/11
12	91607--AT3		11067012	03/08/11
13	91608--AT4		11067013	03/08/11
14	91609--AT5		11067014	03/08/11
15	91610--AT6		11067015	03/08/11
16	91611--AT7		11067016	03/08/11
17	91612--AT8		11067017	03/08/11
18	91613--B		11067018	03/08/11
19	91614--BH3B		11067019	03/08/11
20	91615--C		11067045	03/08/11
21	91616--CGE		11067020	03/08/11
22	91617--ET		11067021	03/08/11
23	91618--E		11067022	03/08/11
24	91619--ET1		11067023	03/08/11
25	91620--HT7E		11067024	03/08/11
26	91621--EG		11067025	03/08/11
27	91622--F7A		11067026	03/08/11
28	91623--F9A		11067027	03/08/11
29	91624--F11A		11067028	03/08/11
30	91625--F13A		11067029	03/08/11
31	91626--F15A		11067030	03/08/11
32	91627--F17A		11067031	03/08/11
33	91628--EJ7		11067032	03/08/11
34	91629--CJ5		11067033	03/08/11
35	91630--CJ3		11067034	03/08/11
36	91631--CJ1		11067035	03/08/11

#	Ref	Description	Drawing#	Date
37	91632--HJ7		11067036	03/08/11
38	91633--EJ3		11067037	03/08/11
39	91634--HJ3		11067038	03/08/11
40	91635--EJ7T		11067039	03/08/11
41	91636--CJ5T		11067040	03/08/11
42	91637--CJ3T		11067041	03/08/11
43	91638--HJ7T		11067042	03/08/11
44	91639--EJ7GE		11067043	03/08/11
45	91640--MGE		11067046	03/08/11
46	91641--EJ7H		11067044	03/08/11



Roof Plane Sheathing Area = 3591 sq. ft



MILTON BUILDERS/ HARRIS

JOB DESCRIPTION: Fill in later
/; MILTON BUILDERS/HARRIS

JOB NO:
11-043

PAGE NO:
1

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

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

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

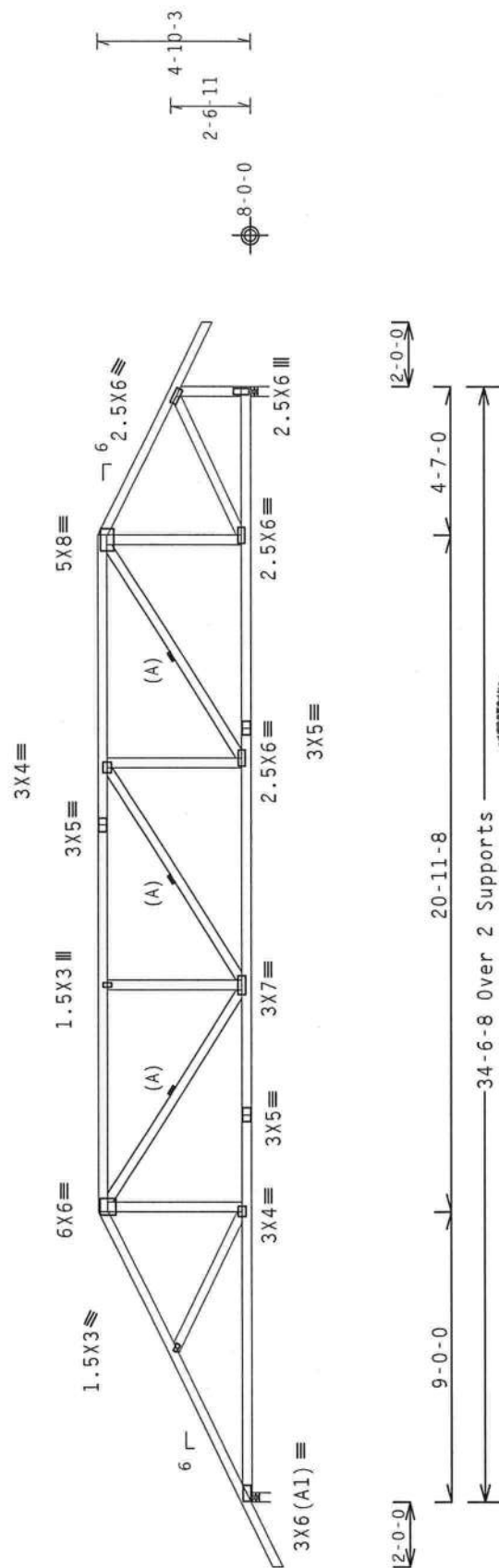
Right end vertical not exposed to wind pressure.

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=1563 U=162 W=3.5"
RL=124/-103

R-1550 U-165 W-3.5"

PLT TYP. Wave

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

Scale = .1875"/Ft.

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET!

Trusses require extreme care in fabricating, handling, shipping, installing and erecting. Follow the latest edition of BCSP (Building Component Safety) Information, by IPPI and BCSA, for safety. *****IMPORTANT** FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.**

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844
FL COA #0 278

the responsibility of the Building Designer per ANSI/TP1 1 Sec.2. For more information see: General notes page; ITH-BG: www.ithbcg.com; TP1: www.tp1inst.org; NICA: www.sbcindustry.com; ICC: www.iccsafe.org

03/08/2011

SPACING 24.0"

REF- 1UA2487_Z01

(11-043--Fill in later MILTON BUILDERS/HARRIS -- ** - H11A)

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. 1W=1.00 GCPI(+/-)-0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

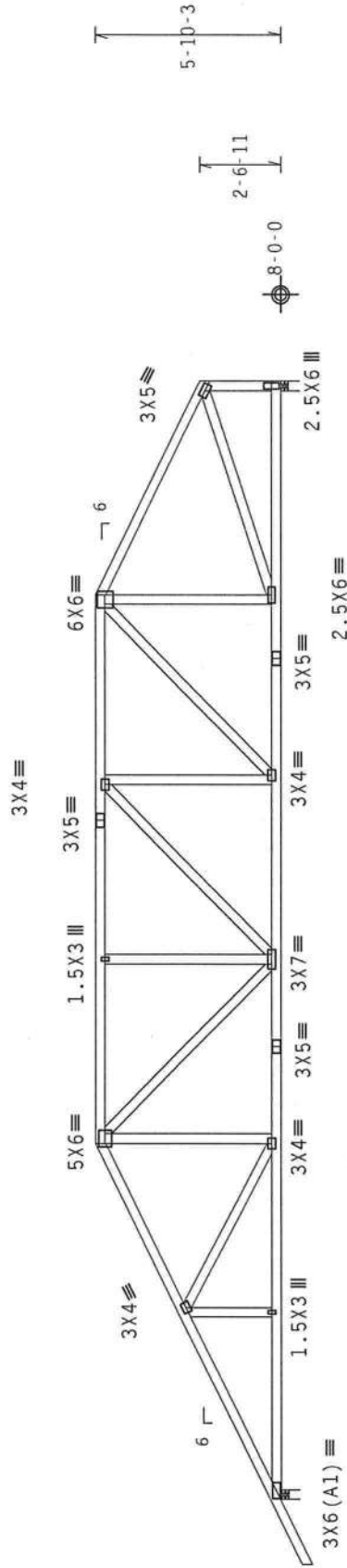
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Right end vertical not exposed to wind pressure.

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.



1/8" = 1'-0"

11'-0" 16'-11"-8 6'-7"-0
34'-6"-8 Over 2 Supports
R-1567 U=159 W=3.5"
RL=119/-109

R-1412 U=138 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2008 STD
FT/RT=10% (0%) / 0%

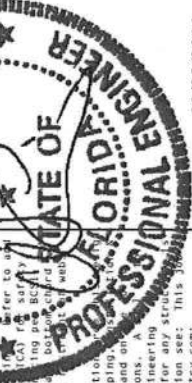
Scale = .1875"/Ft.

REF R487-- 91597
DATE 03/08/11
DRW HCUSR487 11067002
HC-ENG DLJ/AP
SEQN- 188363
JREF- 1UA2487_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. The contractor shall refer to any
follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) 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
shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing
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, modification, or
any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing, or
bracing of trusses. Apply places to each face of truss and position as shown above and on
drawing. Trusses shall be stored and handled in accordance with the instructions on the
drawing or cover page listing this drawing. Indicates acceptance of professional engineering
responsibility solely of the Building Designer per ANSI/TPI 1 Sec.2. For more information see:
general notes page: ITN-BCG: www.itwbcg.com; TPI: www.tpiinst.org; WCA: www.sbcindustry.com;
ICC: www.iccsafe.org



03/08/2011

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

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - H7A)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2 :B2 2x6 SP #1 Dense:
Webs 2x4 SP #3 :W8 2x4 SP #2 Dense:

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.

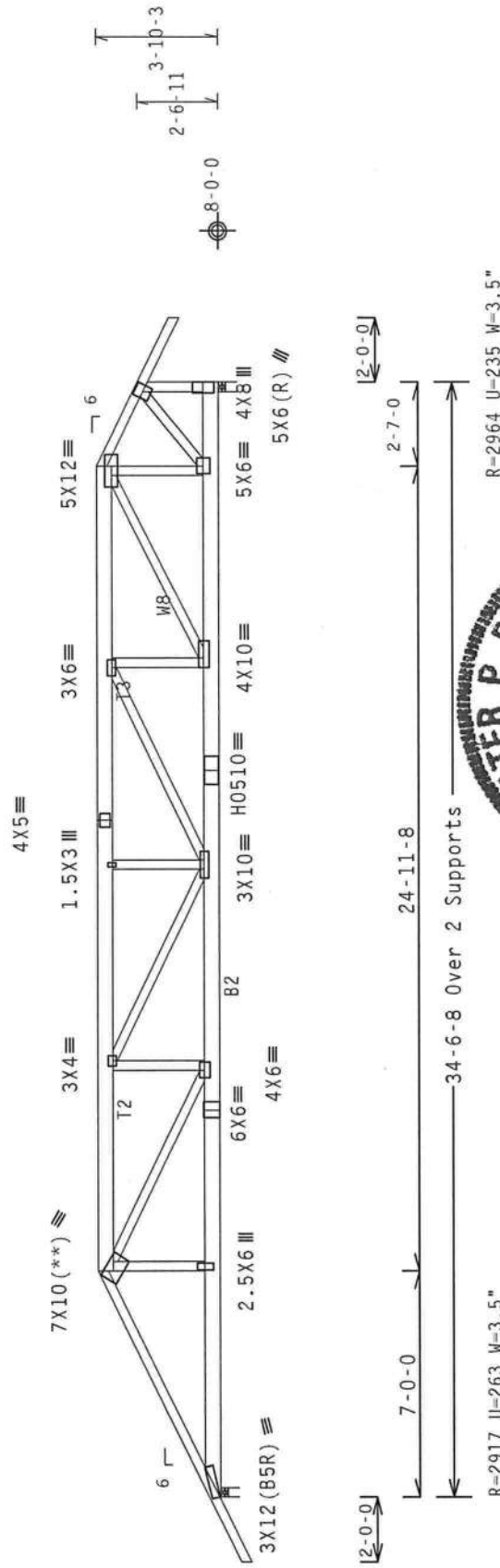
Deflection meets L/240 live and L/180 total load.

(**) 1 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 MMFRS pressures.

Right end vertical not exposed to wind pressure.



PLT TYP. 20 Gauge HS.Wave

Design Crit: FBC2007Res/TPI-2003 STD
FT/RT=10%(0%)/0%

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	91598
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067003
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188244	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

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 the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) for very important practices prior to performing these functions. Installers shall provide temporary bracing per BCSI practices 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 bracing 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 shown. ITWBCG shall not be responsible for 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 details, unless noted otherwise. Refer to drawings 180A-2 for standard plate positioning and details. ITWBCG shall not be responsible for any failure to build the truss in conformance with the responsibility of the building designer per ANSI/TPI 1 Sec.2. For more information see: This general notes page: ITN-BCG: www.itwbcg.com; TPI: www.tpi1st.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-043--Fill) in later MILTON BUILDERS/HARRIS -- , ** - H19AT)

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

(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.

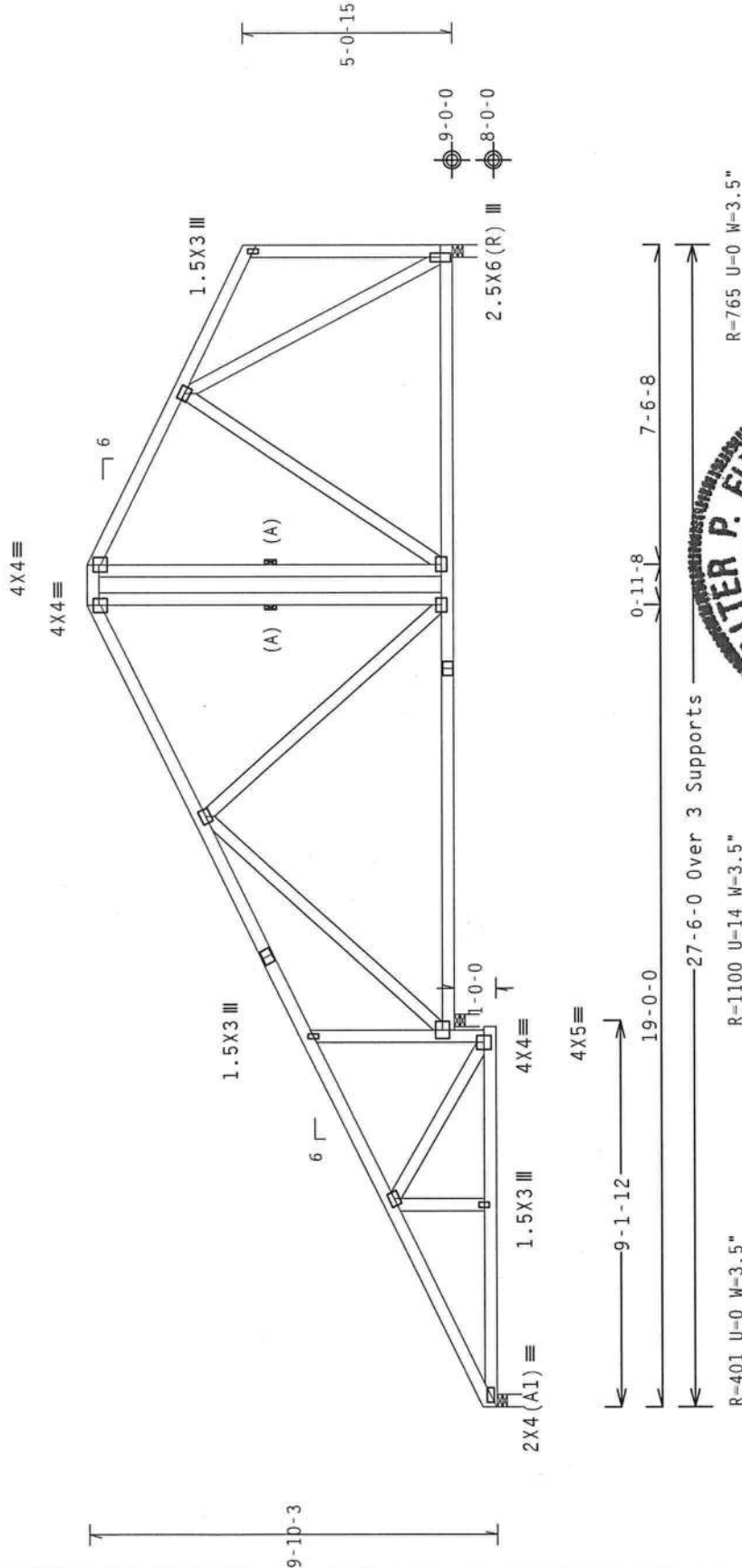
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

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



R-765 U=0 W=3.5"

R-1100 U=14 W=3.5"

R-401 U=0 W=3.5"

RL=165/-106



Note: All Plates Are 3x4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002(Std)

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

PLT TYP. Wave

TY:1 FL/-4/-/R/-

Scale =.25"/Ft.

 ALPINE 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 the latest edition of BCSI (Building Component Safety Information, by TPI and IBC) 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 shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance 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 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 drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the building component shown on this drawing. For more information see: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.bctindustry.com; ICC: www.iccsafe.org			REF	R487--	91599			
	IMPORTANT			DATE	03/08/11				
				DRW	HCUSR487	11067004			
				HC-ENG	DLJ/AP				
				SEQN-	188522				
							DUR.FAC.	1.25	
							SPACING	24.0"	
			JREF-	1UA2487_Z01					

03/08/2011

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - AT9)

	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 GCp1(+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

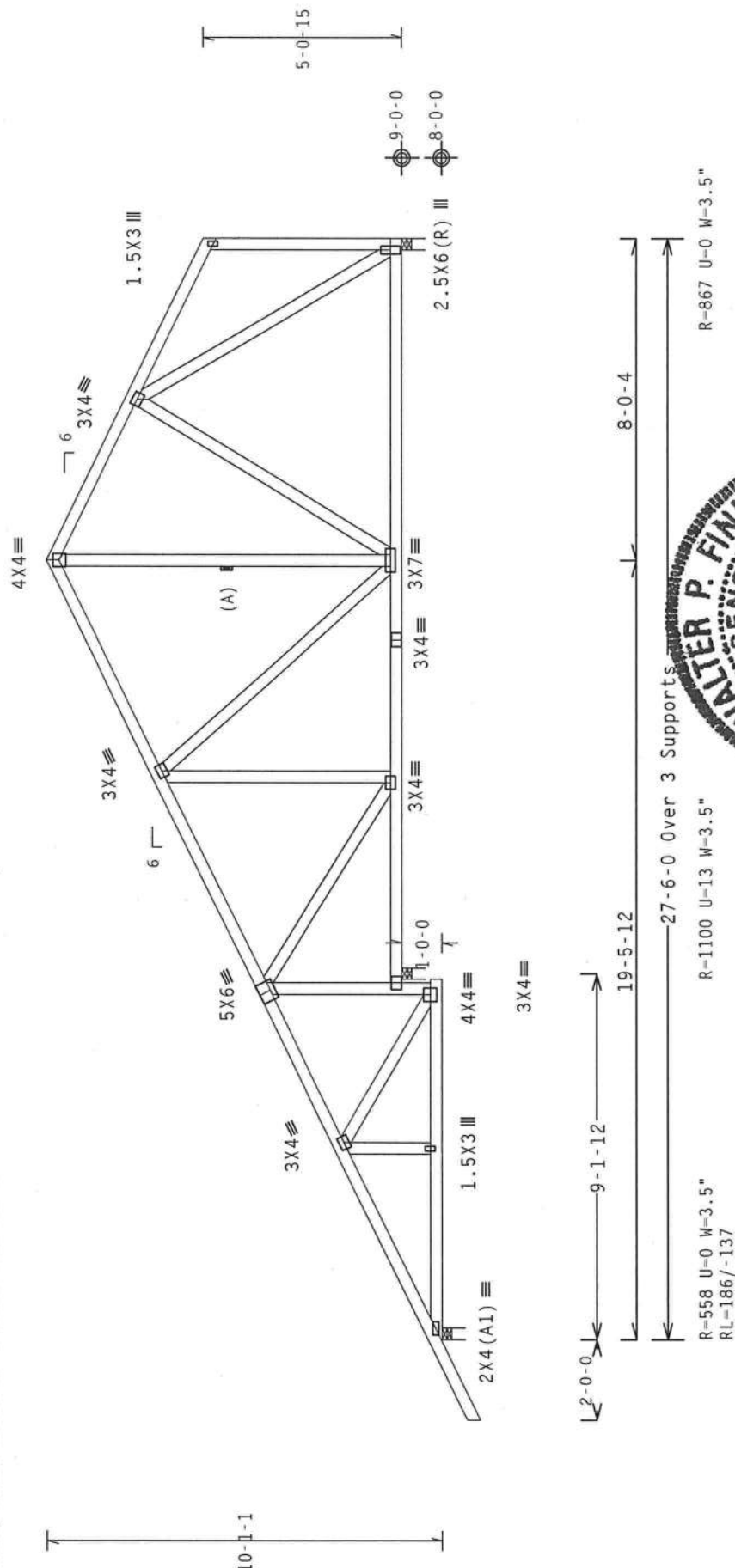
(A) Continuous lateral bracing equally spaced on member.

Right end vertical not exposed to wind pressure.

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

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

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



R=558 U=0 W=3.5"
RL=186/-137

R-867 U-0 W-3 5"

PLT TYP. Wave

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

Scale = .25"/Ft.

[illegible]

(11-043--Fill in later MILTON BUILDERS/HARRIS -- . ** - HT13A)

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. 1w=1.00 GCPI (+/-)=0.18

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

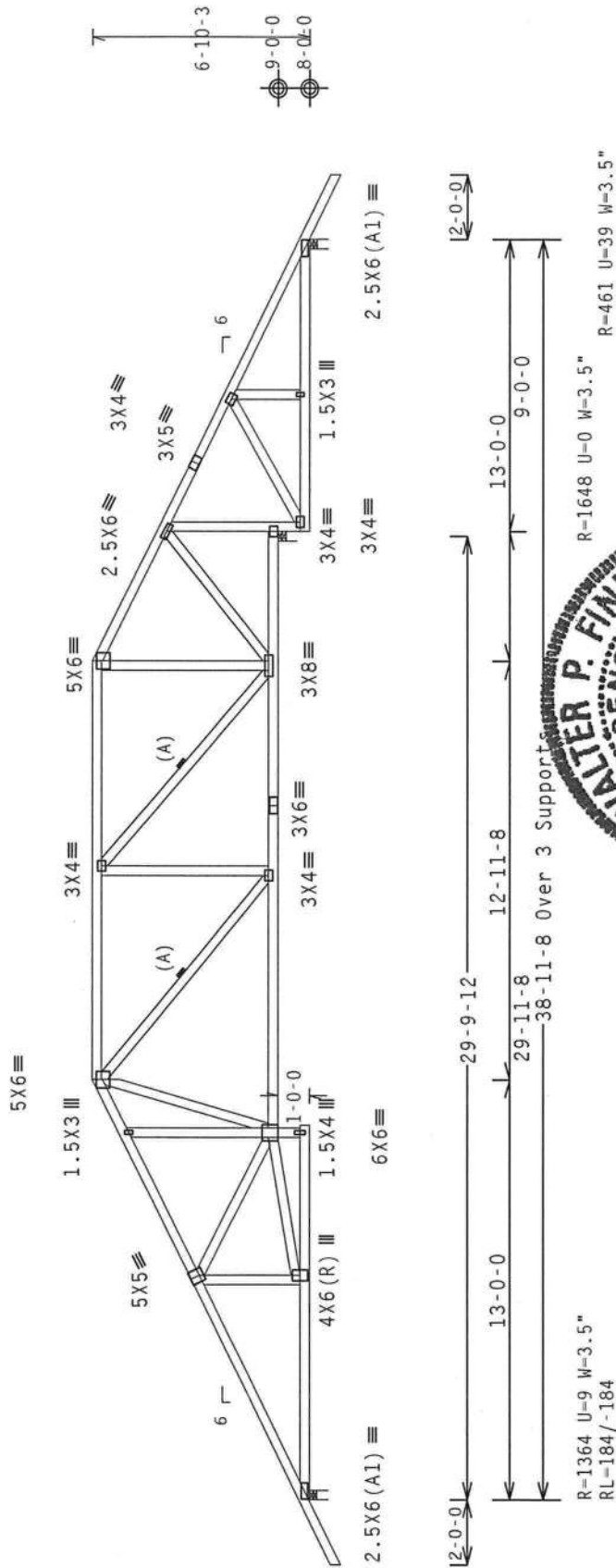
(A) Continuous lateral bracing equally spaced on member.

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=1364 U=9 W=3.5"
RL=184/-184

R=1648 U=0 W=3.5"
R=461 U=39 W=3.5"

PLT TYP. Wave ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278	Design Crit: FBC2007Res/TPI-2002 STD)		TY:1		FL/-4/-/-R/-		Scale = .1875"/Ft.	
	FT/RT=10%(0%)/0(0%)		9. N/A 32889 16					
	WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET				TC LL		20.0 PSF	
	FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.				TC DL		10.0 PSF	
	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 BCSI) for safe 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 shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.				BC DL		10.0 PSF	
	ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing of trusses. Apply plates to each face of truss and position as shown above and on the drawings, unless noted otherwise. Trusses shall be installed in accordance with the drawings and specifications. 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: ITN-BG6: www.itwbcg.com; TPI: www.tpinet.org; WCA: www.wcaindustry.com; ICC: www.iccsafe.org				BC LL		0.0 PSF	
					TOT.LD.		40.0 PSF	
					DUR.FAC.		1.25	
					SPACING		24.0"	
							JREF - 1UA2487_Z01	

(11-043--Fill in later MILTON BUILDERS/HARRIS -- . ** - HT15A)

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.

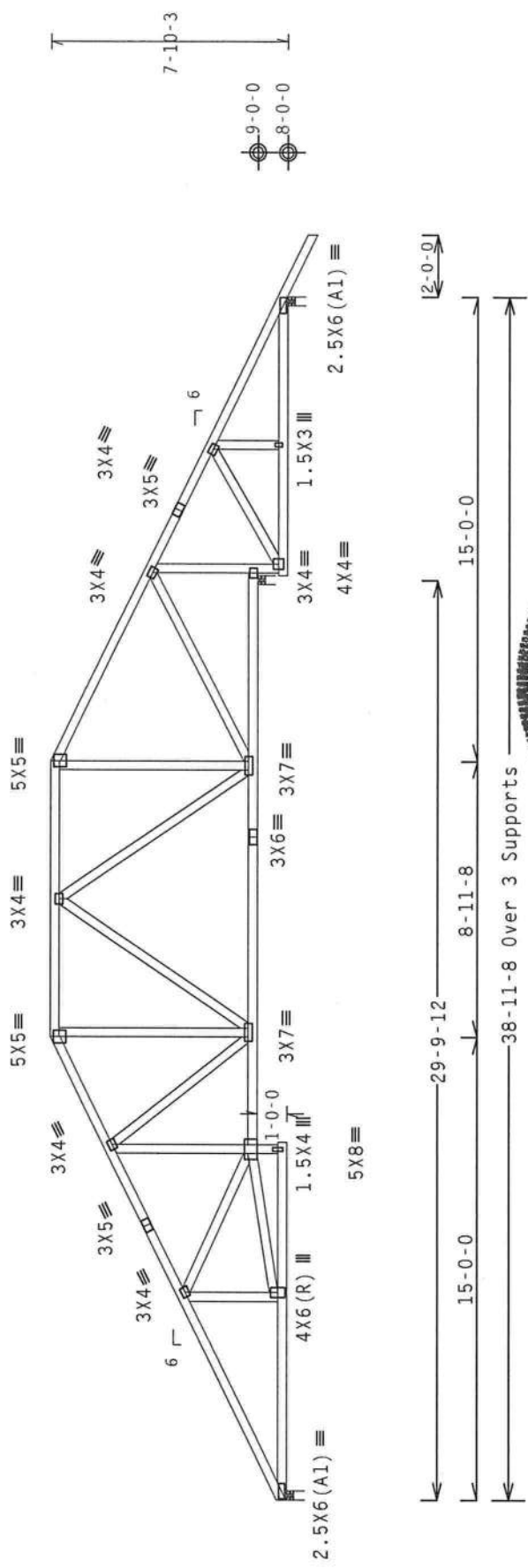
Deflection meets L/240 live and L/180 total load.

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. lw=1.00 gcpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

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=1237 U=0 W=3.5"
RL=190/-178

R=543 U=27 W=3.5"

PLT TYP. Wave

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

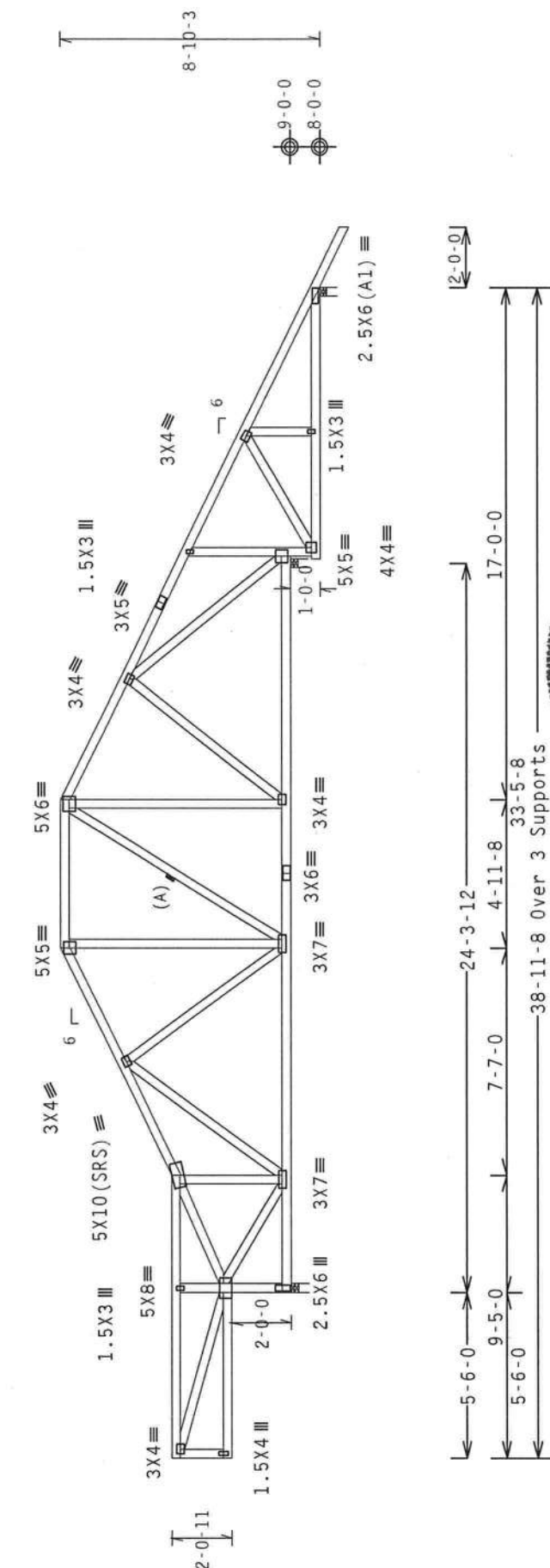
QTY: 1

Scale = .1875"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	PLT TYP. Wave		Design Crit: FBC2007Res/TPI-2002 STD FT/RT=10%(0%)/0(0%)		QTY: 1		FL/-/4/-/-/R/-		Scale = .1875"/Ft.		
	R=1237 U=0 W=3.5" RL=190/-178		R=543 U=27 W=3.5"		15-0-0		8-11-8		15-0-0		
	38-11-8 Over 3 Supports		12-0-0		7-10-3		9-0-0		8-0-0		
	2.5X6(A1) =		4X6(R) =		1.5X4 =		3X4 =		3X5 =		
	5X8 =		3X7 =		3X6 =		3X4 =		1.5X3 =		
	5X5 =		3X4 =		5X5 =		3X4 =		3X5 =		
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	
REF R487-- 91602		DATE 03/08/11		DRW HCUSR487 11067007		HC-ENG DLJ/AP		SEQN- 188449		JREF- 1UA2487_Z01	

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

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



R-1522 U-141 W-3.5"
RL-139/-170

ALTER P. FIA
P-1266 U-0 W-3.5"

Design Crit: FBC2007Res/TPI-2002 STD
 FT/RT=10%(0%) / 0.00
 QTY: 1
 Scale = .1875" / Ft.
 FL / - / 4 / - / - / R /

[illegible]

(11-043--Fill) in later MILTON BUILDERS/HARRIS --, ** - ATL)

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.

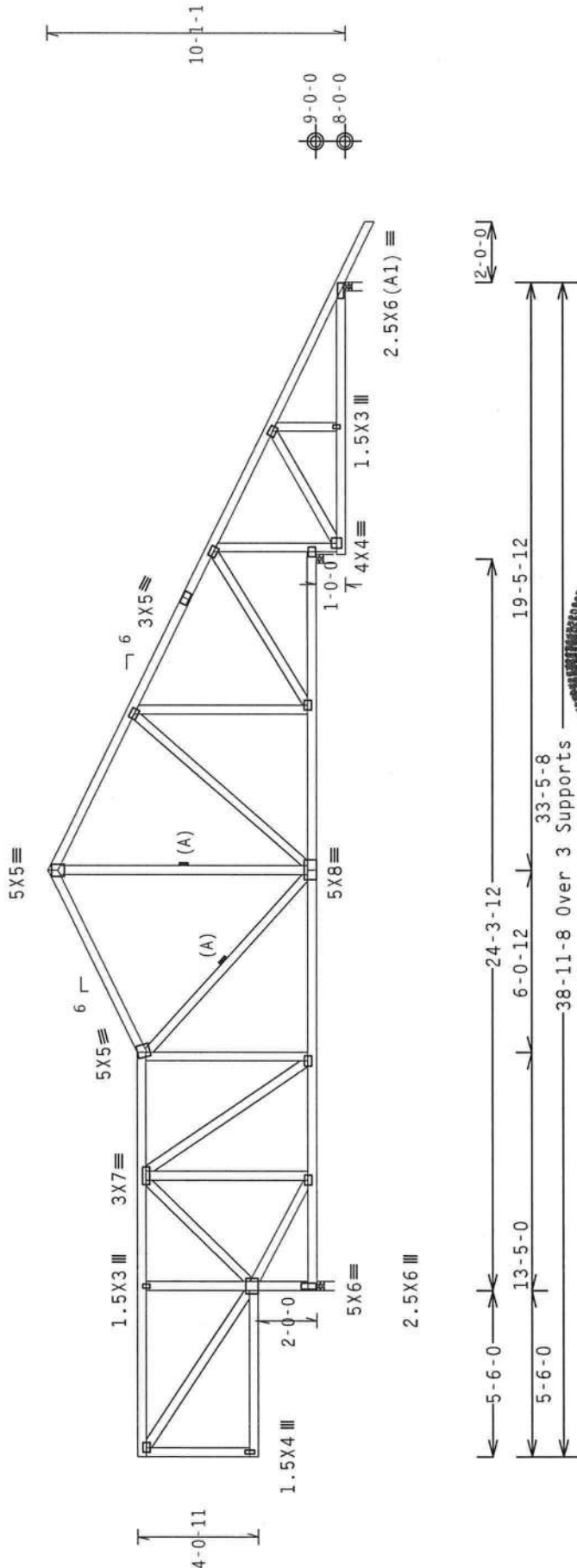
(A) Continuous lateral bracing equally spaced on member.

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-1523 U-194 W-3.5"
RL-135/-184

R-555 U-25 W-3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

PLT TYP. Wave

CITY: 1 FL/-/4/-/4/-/R/-

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487--	91605
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067010
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN	188432	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UA2487_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 any

Follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) 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. A building

shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall

shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

I/W Building Components Group Inc. (IWBGG) shall not be responsible for any deviation

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping,

bracing of trusses. Apply plates to each face of truss and position as shown above and on

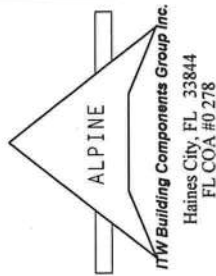
bracing. Unless noted otherwise, all bracing shall be installed in accordance with the

drawings and listing in this drawing. Indicates acceptance of professional engineering

responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see:

general notes page: ITH-BGG: www.ith-bgg.com; TPI: www.tpiinc.org; NTC: www.ntsindustry.com;

ICC: www.iccsafe.org



(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - AT2)

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Left end vertical not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

Roof overhang supports 2.00 psf soffit load.

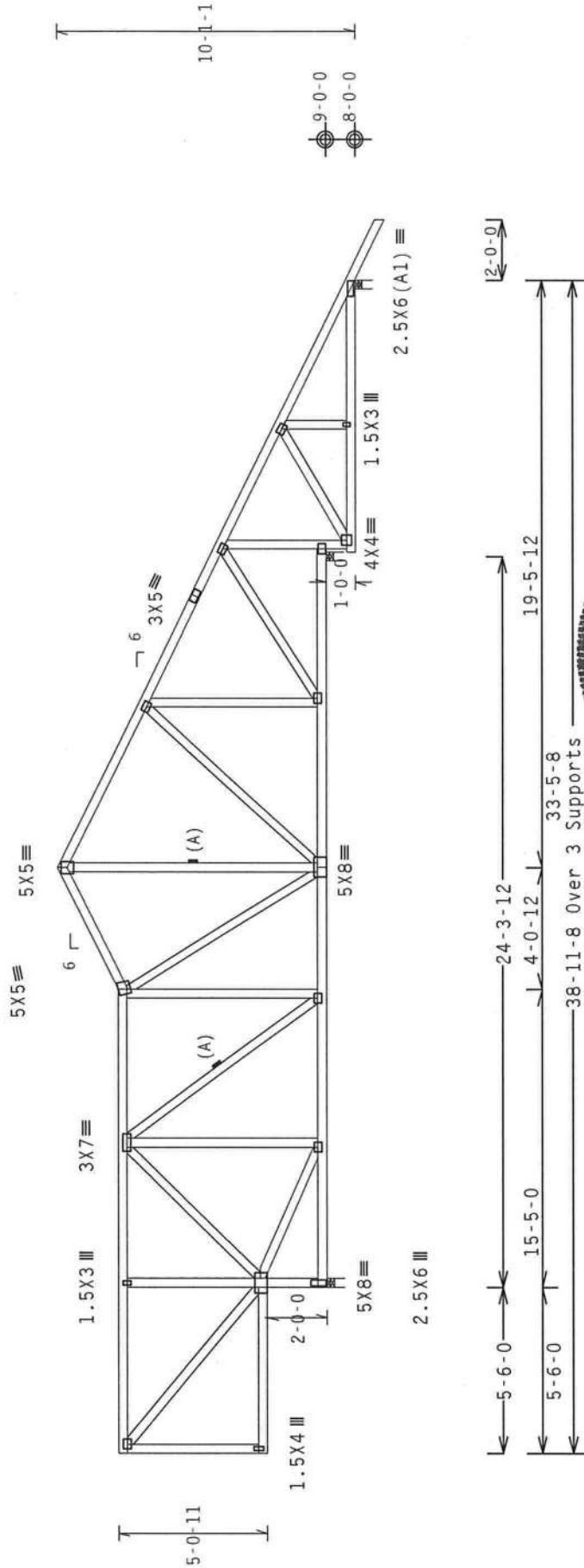
(A) Continuous lateral bracing equally spaced on member.

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=1524 U=219 W=3.5"
RL=119/-178

R=560 U=25 W=3.5"

Scale = .1875"/Ft.

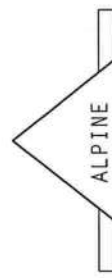
Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2003 STD

PLT TYP. Wave

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

REF R487-- 91606



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.

Follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI).

Unless noted otherwise, top chord shall have properly attached structural sheathing.

Bottom chord shall have properly attached rigid ceiling. Locations shown for permanent lateral

bracing 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

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, or

bracing of trusses. Apply plates to each face of truss and position as shown above and on



03/08/2011

ICC: www.iccsafe.org

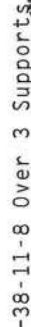
Top	chord	2x4	SP	#2	Dense
Bot	chord	2x4	SP	#2	Dense
	webs	2x4	SP	#3	

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=1233 U=101 W=3.5"

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

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

[illegible]

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - AT4)

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

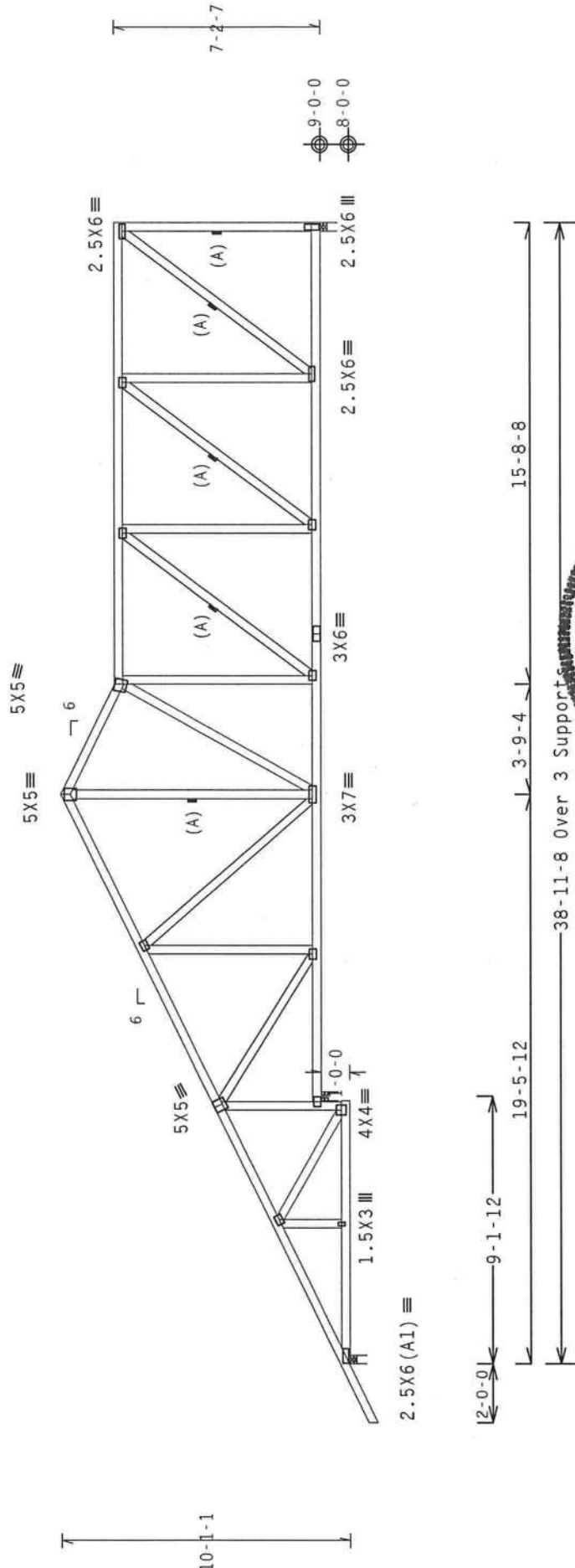
Right end vertical not exposed to wind pressure.

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 15.00 ft. from roof
edge.



R=539 U=0 W=3.5"
RL=177/-117

R=1229 U=90 W=3.5"

R=1574 U=53 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 STD

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

TY:1 FL/-4/-/-R/-

Scale = .1875"/Ft.

PLT TYP. Wave

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 TPI and BCSI) 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 a

properly attached rigid ceiling. Locations shown for permanent lateral bracing of webs

shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, or

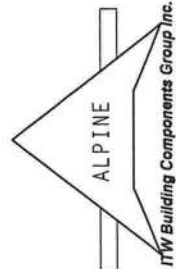
bracing of trusses. Apply plates to each face of truss and position as shown above and on the



03/08/2011

This job

ICC: www.iccsafe.org



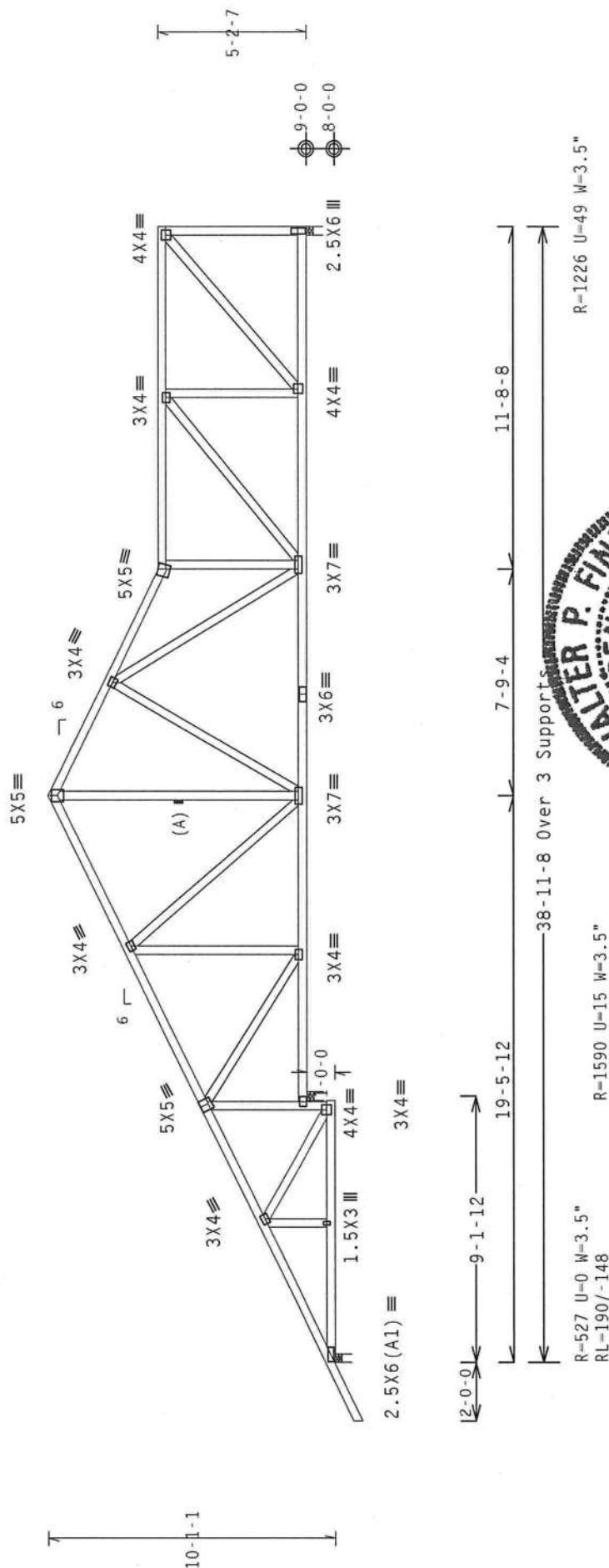
111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf (+/-) 0.18

Wind reactions based on MWFRS pressures.

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 30.00 ft. from roof edge.



38-11-8 Over 3 Supports.

R-1226 U=49 W=3.5"

R-1590 U-15 W-3.5"

Design Crit: FBC2007Res/TPI-2002 STD, 9, 16
 FT/RT=10%(0%)/0(0%)
 TY: 1 FL/-4/-/R/
 Scale = .1875"/Ft.

TC LL	20.0	PSF	REF R487--	91610
TC DL	10.0	PSF	DATE	03/08/11
BC DL	10.0	PSF	DRW HCUR8487	11067015
BC LL	0.0	PSF	HC-ENG DLJ/AP	
TOT.LD.	40.0	PSF	SEQN-	188485
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UA2487_Z01

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

IMPORTANT FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

ITW Building Components Group Inc. (LIN-BKG) shall not be responsible for any deviation or failure to build the trust in conformance with ANSI RP-1 or for handling, shipping, packing of materials, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A 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 particular application is the responsibility of the user. © 1987 by ITW Building Components Group Inc. LIN-BKG; www.lin-bkg.com; TPI: www.tpi.net.org; WPCA: www.abcrindustry.com; CC: www.1ES4E4E.org

03/08/2011

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - AT7)

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.

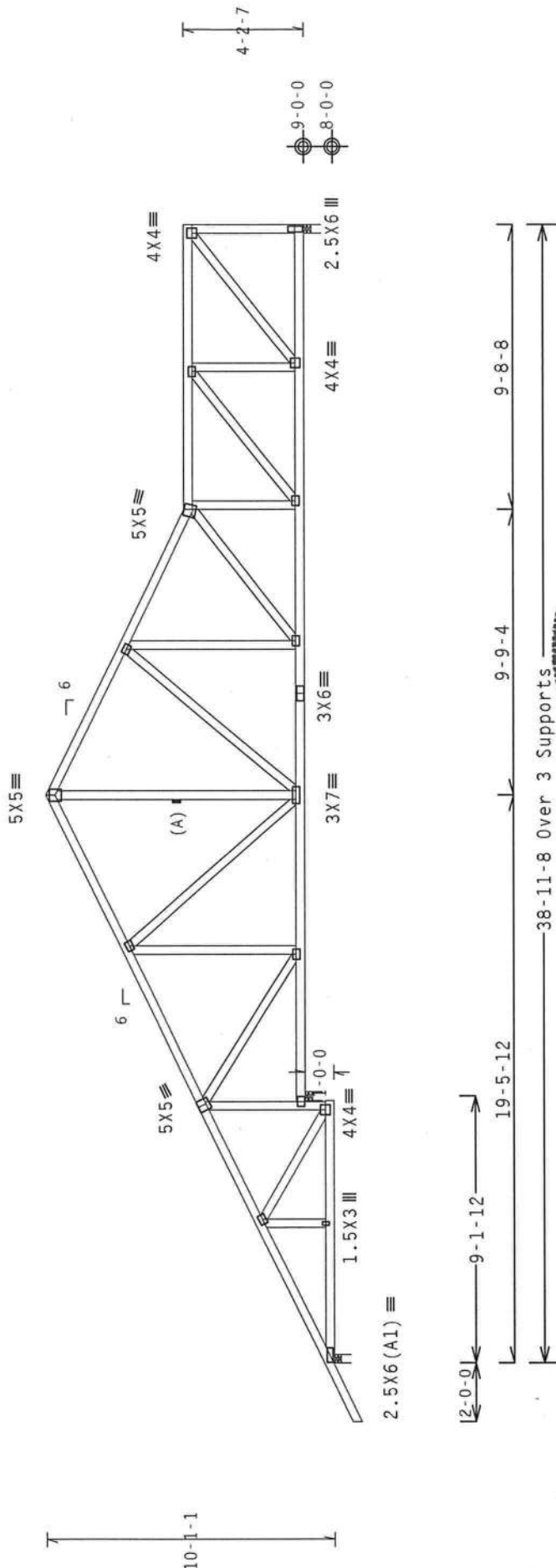
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

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-525 U=1 W=3.5"
R-1592 U=0 W=3.5"

R=1225 U=26 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

Design Crit: FBC2007Res/TPI-2003 STD
FT/RT=10%(0)/0(0)

Scale =.1875"/Ft.

PLT TYP. Wave

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

REF R487-- 91611

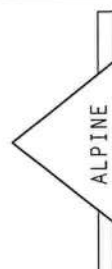
DATE 03/08/11

DRW HCUSR487 11067016

HC-ENG DLJ/AP

SEQN- 188495

JREF- 1UA2487_Z01



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.
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and erecting. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) for safety practices prior to performing these functions. Installers shall provide temporary bracing for safety 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 bracing 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 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: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.org; NTA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - AT8)

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

111110 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

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

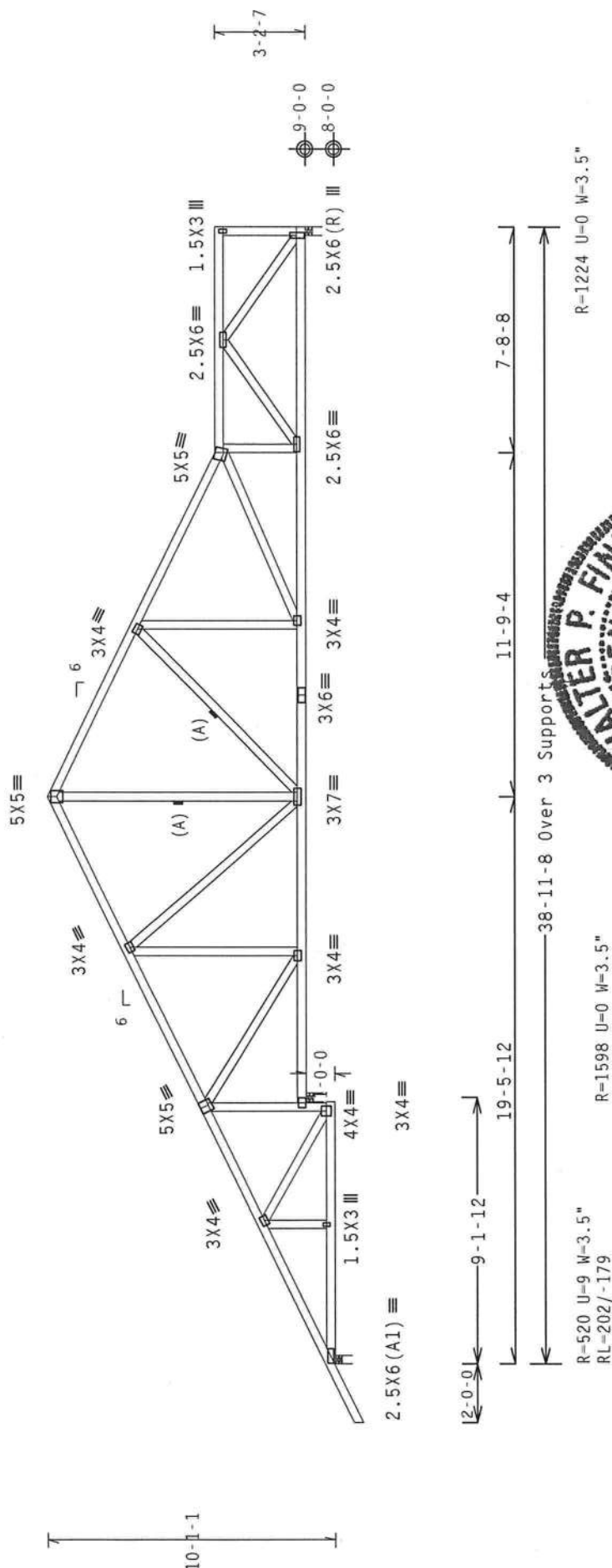
Right end vertical not exposed to wind pressure.

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.

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

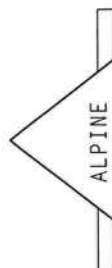


PLT TYP. Wave

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

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

TC LL	20.0 PSF	REF R487-- 91612
TC DL	10.0 PSF	DATE 03/08/11
BC DL	10.0 PSF	DRW HCUSR487 11067017
BC LL	0.0 PSF	HC-ENG DLJ/AP
TOT.LD.	40.0 PSF	SEQN- 188504
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UA2487_Z01



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

03/08/2011

(11-043--F11) in later MILTON BUILDERS/HARRIS -- . ** - B)

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

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

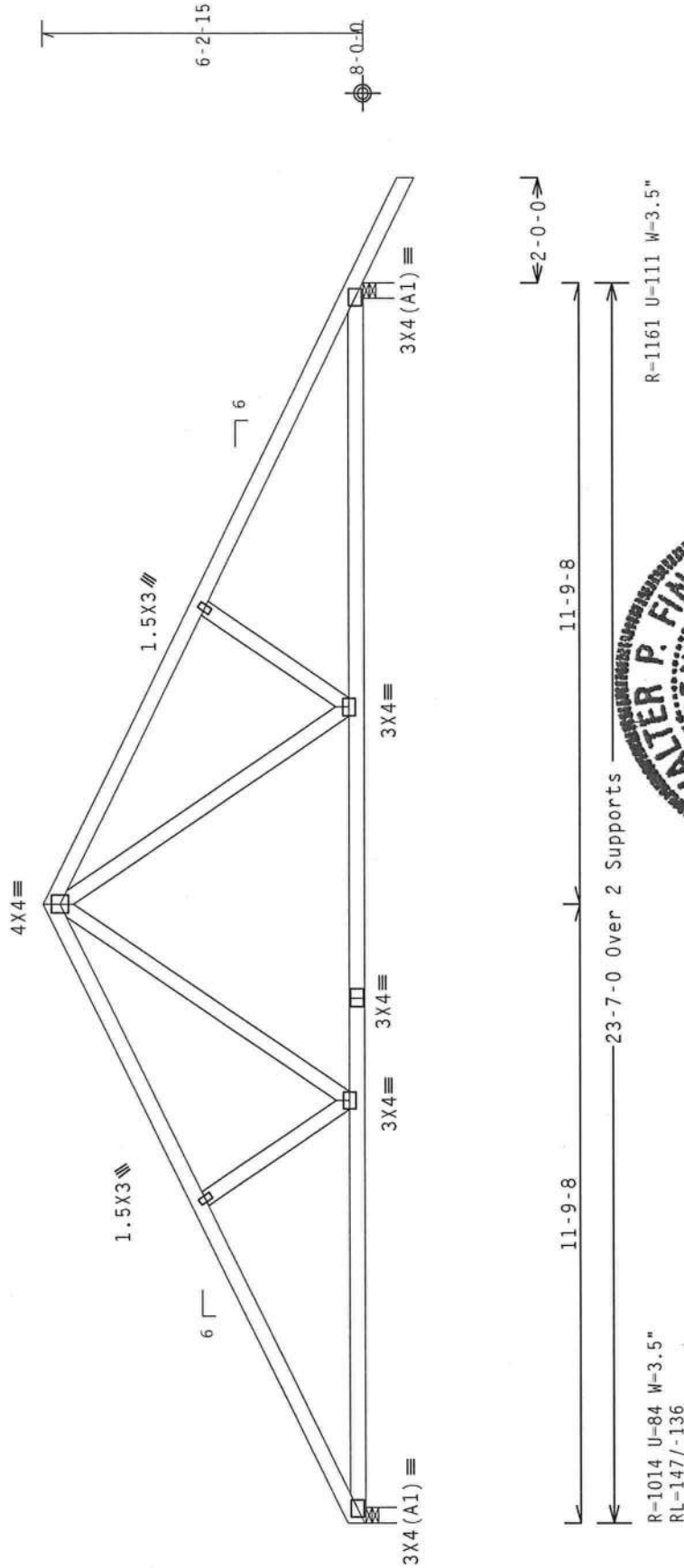
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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

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

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



PLT TYP. Wave Design Crit: FBC2007Res/TPI-2002 STD 9.16 03/08/11 16
FT/RT=10%(0%)/0(0%) DTY:9 FL/-4/-/-R/- Scale = .3125"/Ft.

ALPINE iTW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278		9.16 03/08/11 16 WALTER P. FINN LICENSE STATE OF FLORIDA PROFESSIONAL ENGINEER 03/08/2011		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-- 91613 DATE 03/08/11 DRW HCUSR487 11067018 HC-ENG DLJ/AP SEQN- 188271 JREF- 1UA2487_Z01
--	--	--	--	---	--

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - BH3B)

Top chord 2x4 SP #2 Dense :T2, T4 2x4 SP #1:
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.

Boston hip supports 2-0-0 Jacks. TC supports 1-0-0 overhang.

Laterally brace TC below filler at 24" oc.

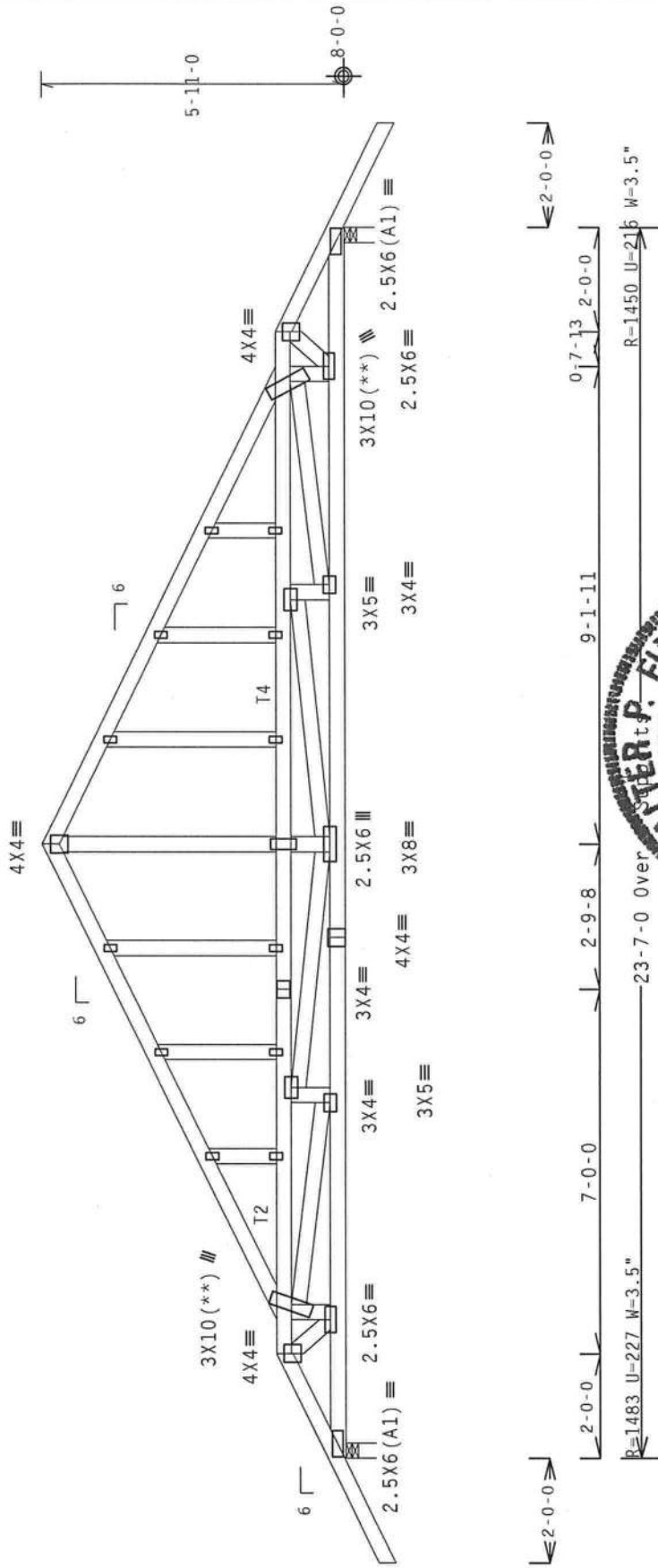
See DWGS A11015050109 & GBLLETTIN0109 for more requirements.

(**) 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, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. 1W=1.00 GCPI(+/-)-0.18

Wind reactions based on MMFRS pressures.

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



Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2007

FT/RT=10%(0%)/0.1%

STUDY

QTY:1

FL/-4/-1/R/-

Scale = .3125"/Ft.

REF R487-- 91614

DATE 03/08/11

DRW HCUSR487 11067019

HC-ENG DLJ/AP

SEQN- 188266

JREF- 1UA2487_Z01



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 erecting. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and BCSI for safety practices prior to performing these functions. Installers shall provide temporary bracing for safety 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 bracing in the drawing 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, erecting, bracing or trusses. Apply plates to each face of truss and position as shown above and below, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions.
drawing or cover page listing this drawing. Indicates acceptance of professional engineering services by the responsible engineer of the building designer per ANSI/TPI 1, Sec. 2. For more information see: the general notes page: ITW-BCSI: www.itwbcg.com; TPI: www.tpinet.org; NTC: www.ntcindustry.com; ICC: www.iccsafe.org

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - C)

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

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

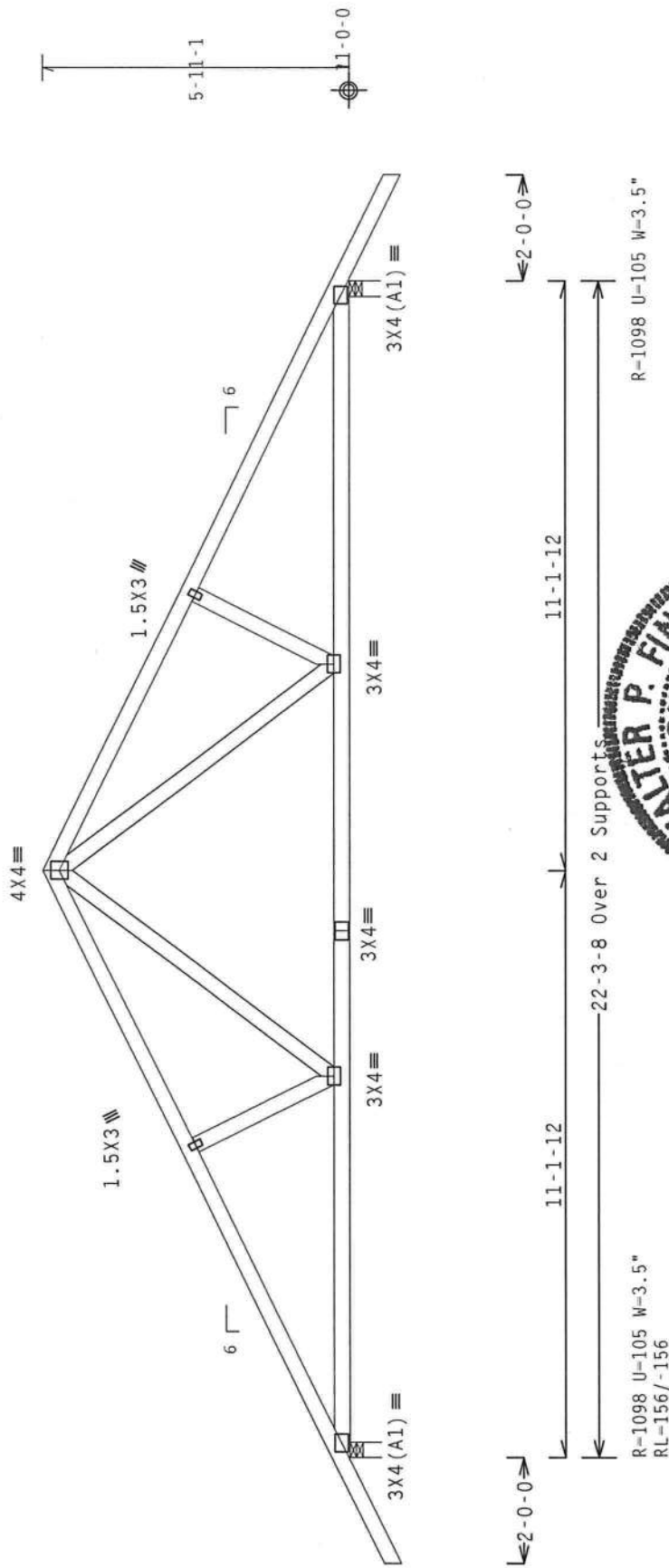
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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

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

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



PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2003 STD

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

QTY: 3

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

Scale = .3125" / 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 the latest edition of BCSI (Building Component Safety) Information, by TPI and BCSI, 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 in bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing 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 failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing of trusses. Apply plates to each face of truss and position as shown above and on details, unless noted otherwise. Refer to drawings for standard details. The manufacturer's 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 general notes page; ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.sbctndustry.com; ICC: www.iccsafe.org



TC LL	20.0 PSF	REF	R487--	91615
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067045
BC LL	0.0 PSF	HC-ENG	DLJ/AP	*
TOT.LD.	40.0 PSF	SEQN-	188257	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - CGE)

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

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

Roof overhang supports 2.00 psf soffit load.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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

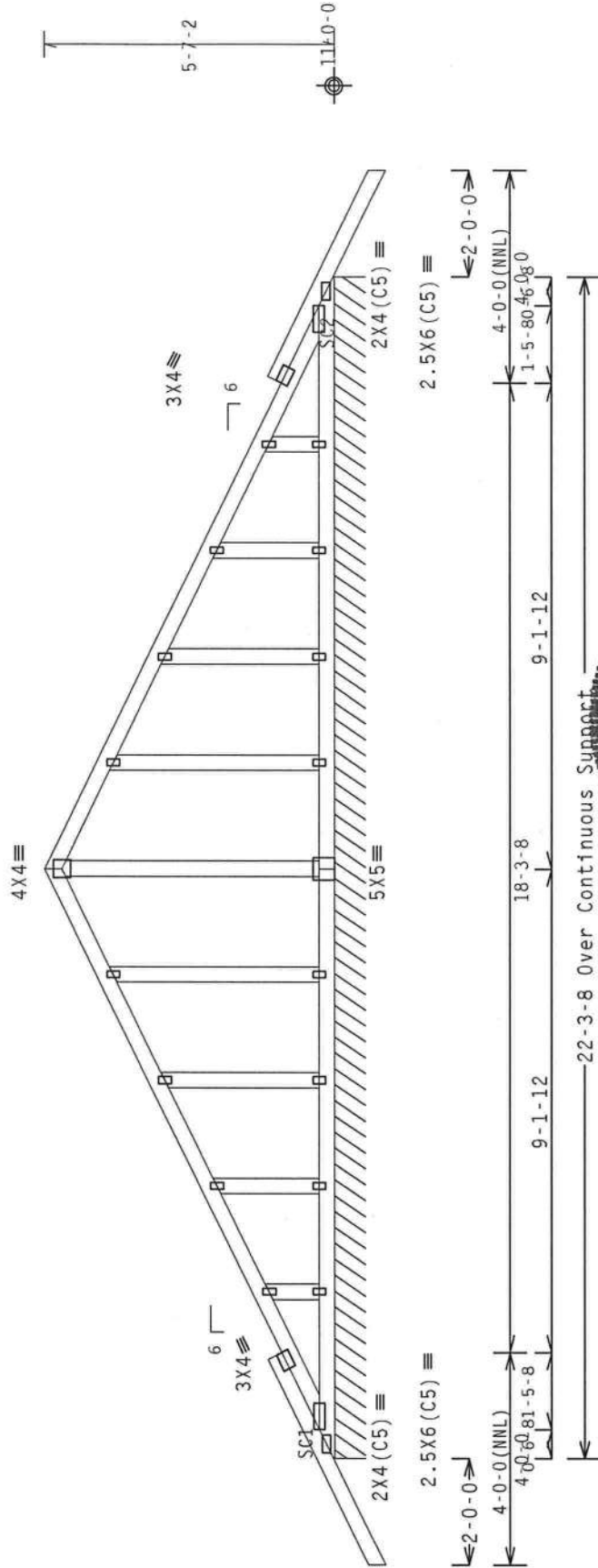
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-)=0.18

Wind reactions based on MMFRS pressures.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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



R-123 PLF U-14 PLF W-22-3-8
RL-8/-8 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2003 (STD)

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

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

9-05-02-2839

Scale = .3125"/Ft.

REF R487-- 91616

DATE 03/08/11

DRW HCUSR487 11067020

HC-ENG DLJ/AP *

SEQN- 188247

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1UA2487_Z01



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

(11-043--Fill) in later MILTON BUILDERS/HARRIS --, ** - ET)

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

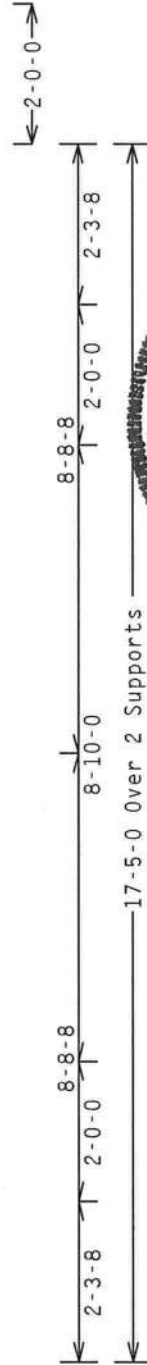
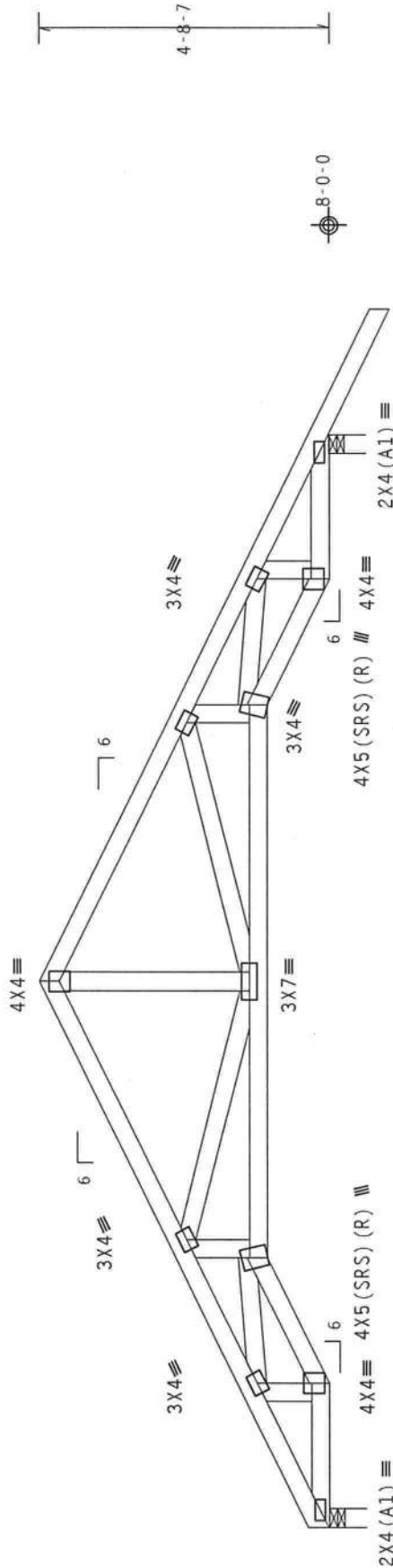
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MMFRS pressures.

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

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

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



R-713 U-57 W-3.5"
RL-115/-105

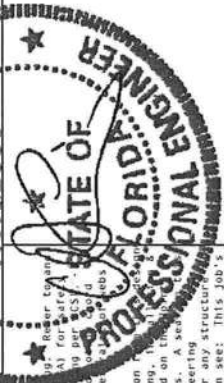
R-865 U-86 W-3.5"

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

Scale = .375"/Ft.

PLT TYP. Wave

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	TY: 1			FL / - / 4 / - / - / R / -	Scale = .375"/Ft.
	TC LL	20.0 PSF	REF	R487--	91617
	TC DL	10.0 PSF	DATE	03/08/11	
	BC DL	10.0 PSF	DRW	HCUSR487	11067021
	BC LL	0.0 PSF	HC-ENG	DLJ/AP	*
TOT. LD.			40.0 PSF	SEQN-	188337
DUR. FAC.			1.25		
SPACING			24.0"	JREF-	1UA2487_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 TPI and IBC) for safety practices prior to performing these functions. Installers shall provide temporary bracing and shoring unless noted otherwise. Top chord shall have properly attached structural sheathing and blocking. Webs shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance 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 shown. ITWBCG shall not be responsible for 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 details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal of approval is hereby given by ITWBCG 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: ITN-BCG: www.itwbcg.com; TPI: www.tpi1st.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

	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 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

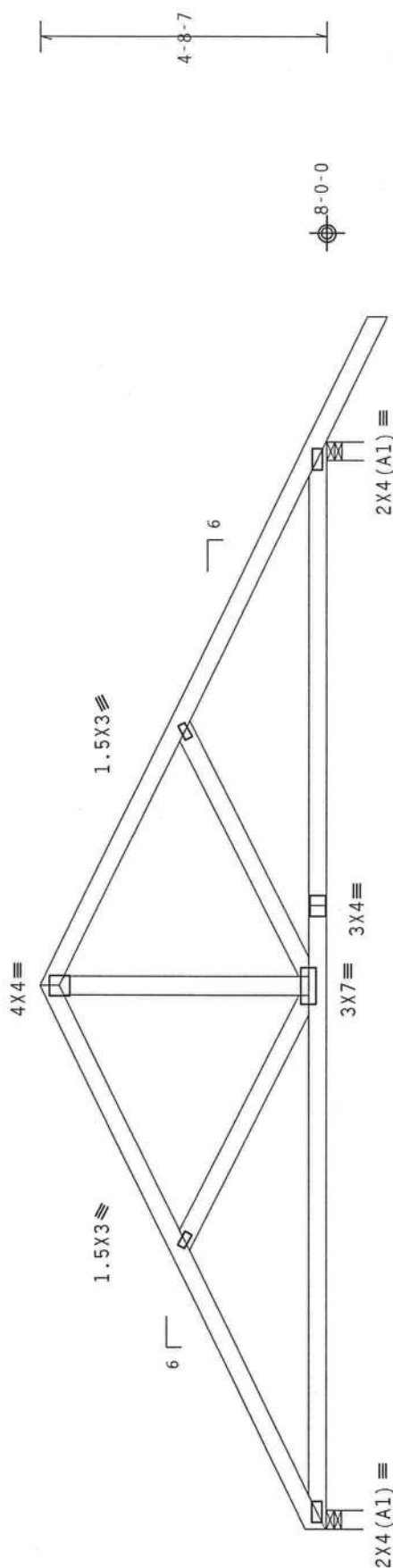
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MNFRS pressures.

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.



8-8-8

17-5-0 Over 2 Supports

8-8-8

2-0-0

R-708 U=0 W=3.5"
RL-115/-105

R-860 U-0 W-3 5"

Design Crit: FBC2007Res/TPI-2002-STD).

Scale = .375"/Ft.

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

16

9. Nov 2009 16

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

Design of 100. 100

PLT TYP. Wave

****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. Follow the latest edition of BC31 (Building Component Safety Information, by IPI and ICC) and the manufacturer's instructions for proper installation and bracing practices prior to performing these functions. Installers shall provide temporary bracing to support the trusses until the permanent bracing is installed. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have properly attached lateral bracing. Trusses shall have bracing installed per BC31 section 8.3, R3 or R10, as applicable.

TH Building Components Group Inc. (THBCO) shall not be responsible for any deviation from the design shown on this drawing. The design is the property of THBCO and is not to be extracted or reused without the written permission of THBCO. The design is not to be used for any other project without the written permission of THBCO. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. 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 the responsibility of the Building Designer per ANSI/SPRI 1 Sec.2. For more information on the general notes page: TH-REG: www.thbcg.com; 11: www.thp1.net; WICA: www.industry.com

ALPINE
ITW Building Components Group Inc.
Haines City, FL 33844
Tel. 800.378.3783

03/08/2011

REF- 1UA2487 701

SPACING 24.0"

03/08/2011

03/0

Appl 1 Sec.2 - For more information
...tpinst.org; WTCA: www.sbcindust

Building Designer per ANSI/
 IBC: www.itwbcg.com; TPI: www.

the responsibility of the general notes page: ITW-BC

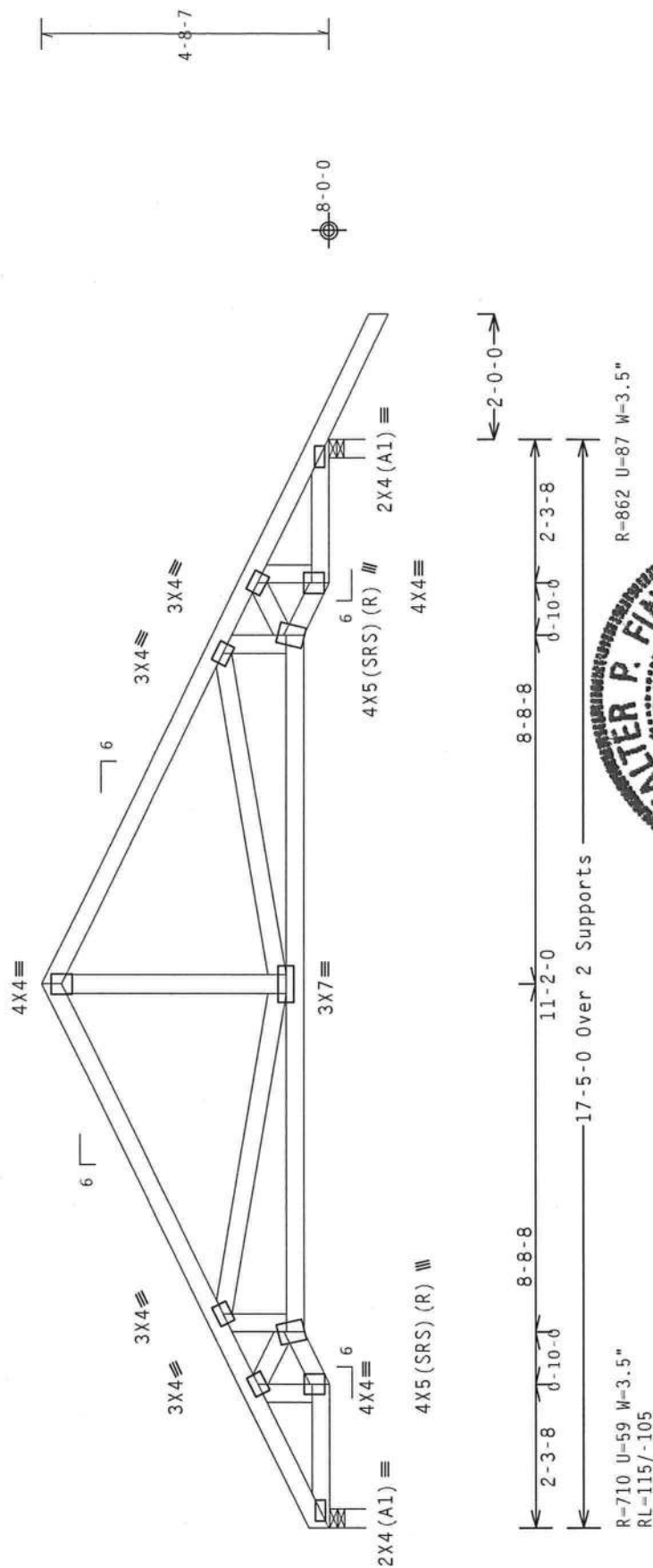
Haines City, FL 33844
FL COA #0378

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - ET1)

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

Wind reactions based on MNFRS pressures.

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



R=710 U=59 W=3.5"
RL=115/-105

R=862 H=87 W=3.5"

PLT TYP. Wave

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487-- 91619
TC DL	10.0 PSF	DATE 03/08/11
BC DL	10.0 PSF	DRW HCUSR487 11067023
BC LL	0.0 PSF	HC-ENG DLJ/AP *
TOT.LD.	40.0 PSF	SEQN- 188340
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UA2487_Z01



03/08/2011

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

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - HT7E)

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.

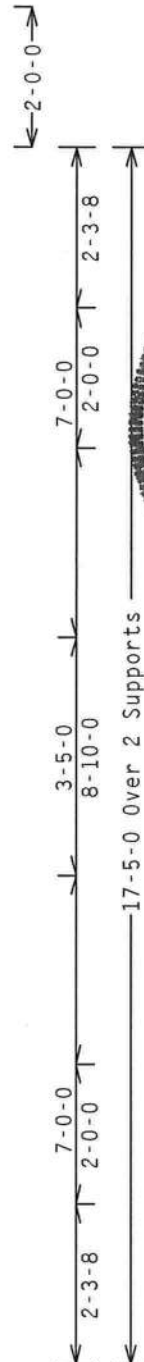
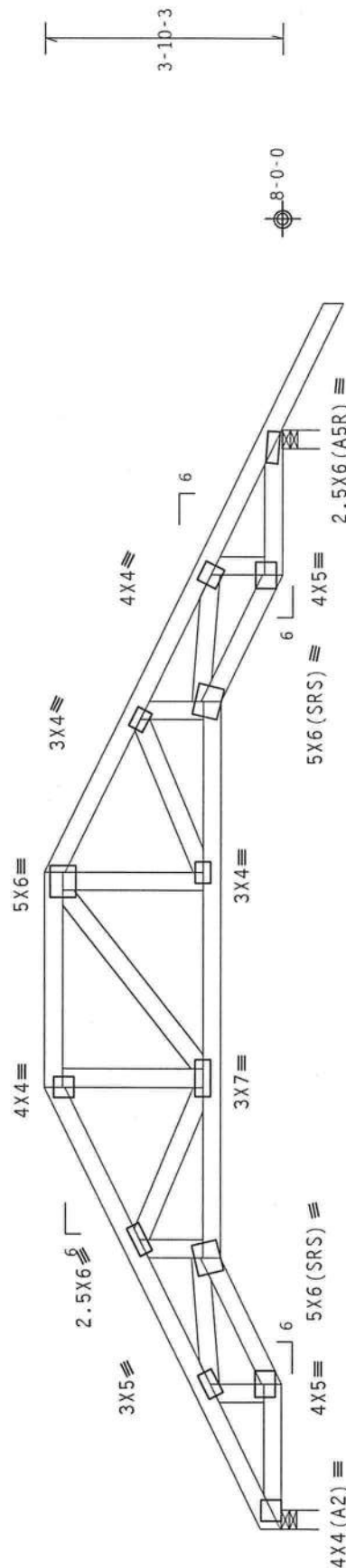
Left side jacks have 7'-0" setback with 0'-0" cant and 2'-0" overhang.
End jacks have 7'-0" setback with 0'-0" cant and 2'-0" overhang. Right
side jacks have 7'-0" setback with 0'-0" cant and 2'-0" overhang.

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 MWFRS pressures.

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

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



R=1338 U=111 W=3.5"

R=1489 U=150 W=3.5"

PLT TYP. Wave

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

TY:1 FL/-4/-/-R/-

Scale = .375"/Ft.

ALPINE

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

WALTER P. FINN
LICENSE
9. MARCH 2016
FLORIDA
PROFESSIONAL ENGINEER

03/08/2011

TC LL	20.0 PSF	REF	R487--	91620
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067024
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188334	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

****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 the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) for safe practices prior to performing these functions. Installers shall provide temporary bracing unless noted otherwise. Top chord shall have properly attached structural sheathing and shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed per BCSI sections B5, B7 or B10, as applicable.
ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation or any failure to build the truss in accordance with ANSI/TPI 1, or for handling, shipping, installing, or bracing. Refer to drawings 1600-2 for standard plate positioning, details, unless noted otherwise. Refer to drawings 1600-2 for standard plate positioning, drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this design for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This job's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinst.org; NCA: www.sbcindustry.com; ICC: www.iccsafe.org

(11-043--F111 in later MILTON BUILDERS/HARRIS --, ** - EG)

Top chord 2x4 SP #2 Dense

Bot chord 2x6 SP SS

Webbs 2x4 SP #3 :W5 2x4 SP #2 Dense:

Brg blocks:0.131"x3" nails

brg x-loc, #blocks length/blk #nails/blk wall plate

1 0.000' 1 12" 4 Rigid Surface

Brg block to be same size and species as bottom chord.

Refer to drawing CWNALSP0109 for more information.

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.

Special loads

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

TC- From 62 plf at 0.00 to 62 plf at 8.71

BC- From 62 plf at 8.71 to 62 plf at 19.42

BC- From 20 plf at 0.00 to 20 plf at 2.35

BC- From 10 plf at 2.35 to 10 plf at 10.35

BC- From 20 plf at 10.35 to 20 plf at 17.42

BC- From 4 plf at 17.42 to 4 plf at 19.42

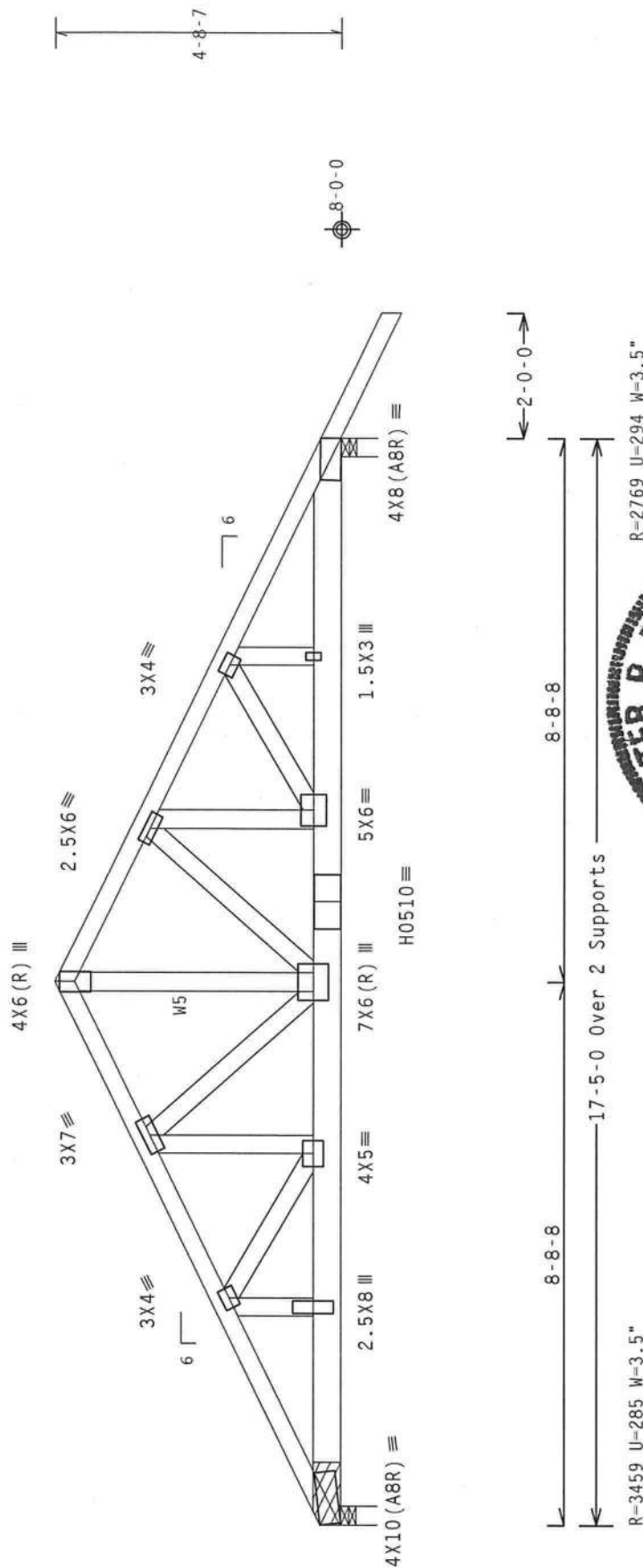
BC- 761.84 lb Conc. Load at 2.35, 4.35, 6.35

BC- 740.00 lb Conc. Load at 8.35

BC- 1714.13 lb Conc. Load at 10.35

Roof overhang supports 2.00 psf soffit load.

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



PLT TYP. 20 Gauge HS.Wave

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

Scale =.375"/Ft.

ALPINE ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0 278		9 05 03 0319.16 No.22839 STATE OF FLORIDA PROFESSIONAL ENGINEER WALTER P. FINN LICENSE 9 05 03 0319.16 No.22839		QTY:1	FL/-4/-/-R/-	TC LL 20.0 PSF	REF R487-- 91621
						TC DL 10.0 PSF	DATE 03/08/11
						BC DL 10.0 PSF	DRW HCUSR487 11067025
						BC LL 0.0 PSF	HC-ENG DLJ/AP
						TOT.LD. 40.0 PSF	SEQN- 188350
						DUR.FAC. 1.25	
						SPACING 24.0"	JREF- 1UA2487_Z01

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - F7A)

Top chord 2x4 SP #2 Dense :T2 2x4 SP #1:
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

Wind reactions based on MWFRS pressures.

Girder supports 7-0-0 span to TC/BC split one face and 2-0-0 span to TC/BC split opposite face.

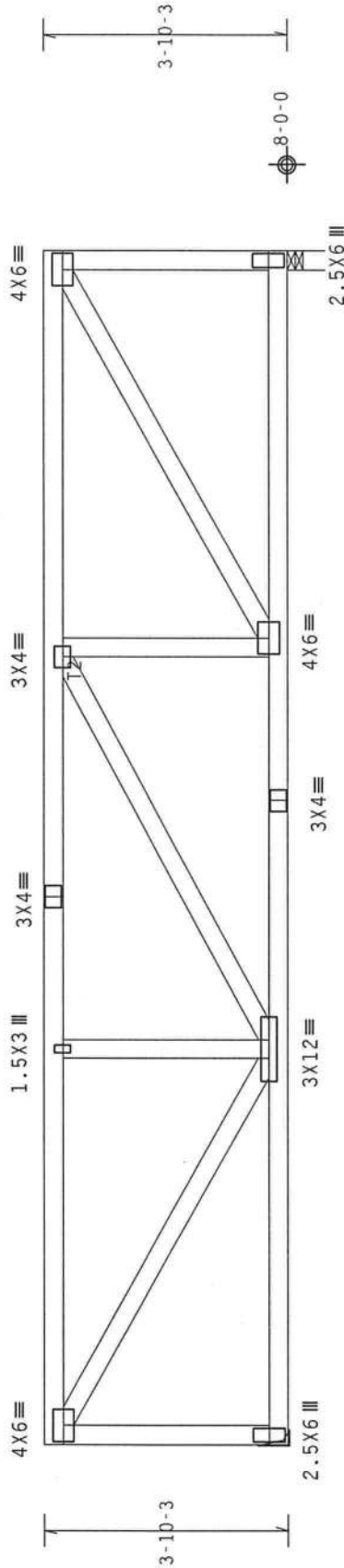
The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.

End verticals not exposed to wind pressure.

(H1) = (J) Hanger not calculated (1)2x6 SP SS supporting member.

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

Truss must be installed as shown with top chord up.



18-6-0 Over 2 Supports

R-1714 U=154

R-1714 U=154 W=3.5"

PLT TYP. Wave

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

TY: 1 FL/-/4/-/R/-

Scale = .375"/Ft.

 ALPINE rTW 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.		03/08/2011		
	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 BCSI) for safe 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 bracing. Truss shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing are for reference only. Truss shall have bracing installed per BCSI sections B3, B7 or B10, as applicable.				
	The Building Components Group Inc. (110800) 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, bracing or installation of trusses. Apply plates to each face of truss and position as shown above and on details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A seal of approval is shown on the drawing or cover page listing this drawing. Indicates acceptance of professional engineering and construction of the truss by the Building Designer per ANSI/TPI 1 Sec. 2. For more information see: general notes page: 11W-B6G: www.11wbcs.com; TPI: www.tpinet.org; NTC: www.2bcindustry.com; ICC: www.iccsafe.org				
	REF	R487--	91622		
	DATE	03/08/11			
		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"		
		JREF-	1UA2487_Z01		

(11-043--Fill in later MILTON BUILDERS/HARRIS -- ** - F9A)

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. lw=1.00 GCpi(+/-)-0.18

End verticals not exposed to wind pressure.

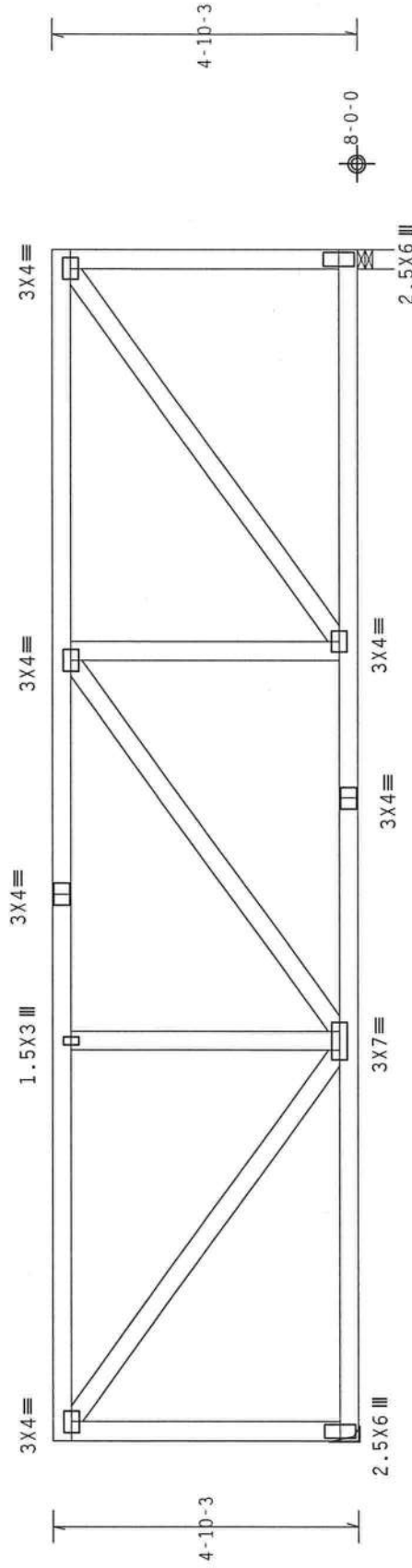
Wind reactions based on MMFRS pressures.

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

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

Truss must be installed as shown with top chord up.

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



18'-6-0 Over 2 Supports
R=740 U=80
R=740 U=80 W=3.5"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2007
FT/RT=10% (0%) / 0.0%

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

Scale = .375"/Ft.

 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	No. 22839		03/08/2011			
	IMPORTANT **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 erecting. Refer to and follow the latest edition of BCSI (Building Component Safety) Information, by TPI and BCSI 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 bracing in the truss 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 erecting the truss. Apply plates to each face of truss and position as shown above and below the truss. Details, unless noted otherwise. Refer to drawings 1000-2 for standard plate positions. Responsibility solely for the design and construction of the truss shall remain with the user. The user shall retain a copy of this drawing. Indicates acceptance of professional engineering services by the user. For more information see: the general notes page: ITW-BG: www.itwbcg.com; TPI: www.tpinat.org; NITCA: www.nitcaindustry.com; ICC: www.iccsafe.org					
	TC LL	20.0	PSF	REF	R487--	91623
	TC DL	10.0	PSF	DATE	03/08/11	
	BC DL	10.0	PSF	DRW	HCUSR487	11067027
	BC LL	0.0	PSF	HC-ENG	DLJ/AP	
	TOT.L.D.	40.0	PSF	SEQN-	188281	
DUR.FAC.	1.25					
SPACING	24.0"		JREF-	1UA2487_Z01		

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - F11A)

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

11110 mph wind, 15.00 ft mean hgt, ASEC 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

End verticals not exposed to wind pressure.

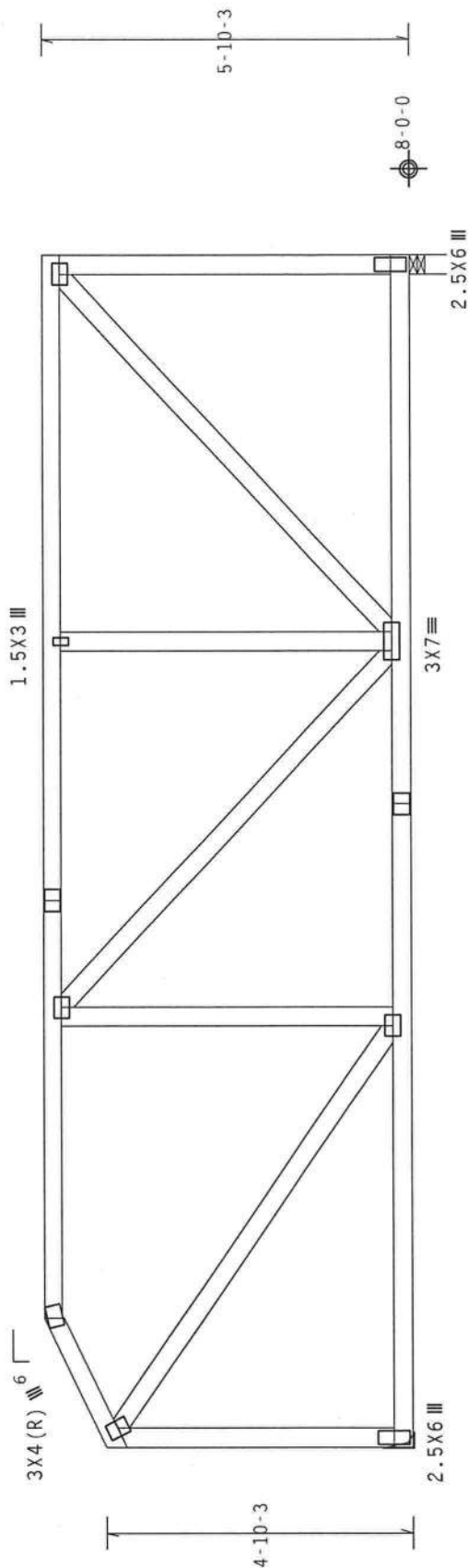
Wind reactions based on MWFRS pressures.

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

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

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

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



2-0-0 16-6-0

R-762 U-67
RL-21

R=762 U=85 W=3.5"

Note: All Plates Are 3X4 Except As Shown.

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

Scale = .375"/Ft.

ALPINE

ITW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 2788

03/08/2011

03/08/2011

****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 BCSP (Building Component Safety Information, by IPI and WCA) for safety practices prior to performing these functions. Installers should structural bracing and bracing details. Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing. Trusses shall have bracing installed per BCSP sections 83, 87 or 810, as applicable.

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation or any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing of trusses. Apply plates to each face of truss and position as shown above and on details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A signed drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility for this design. Show the name of the professional engineer on the drawing. For general notes page: ITW-BCG: www.itwbog.com; IPI: www.tpi.net; WCA: www.sbcindustry.com; ICS: www.icsafe.org

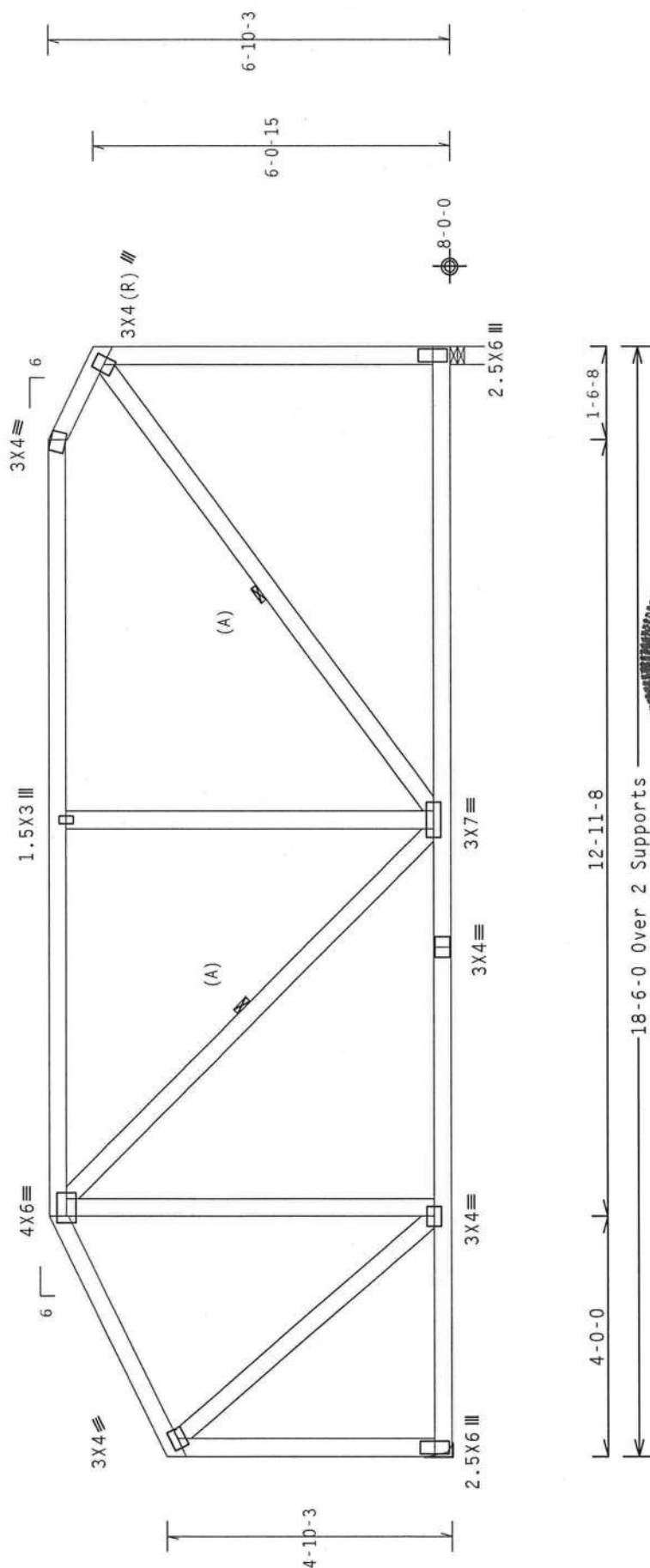
REF	R487--	91624	TC LL	20.0	PSF
DATE	03/08/11		TC DL	10.0	PSF
DRW	HCUSR487	11067028	BC DL	10.0	PSF
HC-ENG	DLJ/AP		BC LL	0.0	PSF
SEQN-	188295		TOT.LD.	40.0	PSF
DUR.FAC.	1.25				
SPACING	24.0"				
JREF-	1UA2487_Z01				

111110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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



R-762 U-36
RL-33/-21

R=762 H=58 W=3 5"

PLT TYP. Wave

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

Scale = .375"/Ft.

TC LL	20.0 PSF	REF R487-- 91625
TC DL	10.0 PSF	DATE 03/08/11
BC DL	10.0 PSF	DRW HCUR487 11067029
BC LL	0.0 PSF	HC-ENG DLJ/AP
TOT.LD.	40.0 PSF	SEQN- 188300
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UA2487_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. The latest edition of the American Institute of Steel Construction's *Specification for Structural Steel Buildings* contains the following provisions regarding the installation of BCS joists:

1. The installer shall provide temporary bracing to maintain the proper alignment of the joists until they have been properly attached structurally.

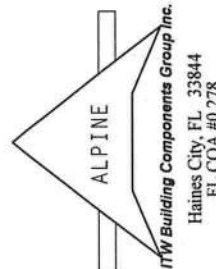
2. The joists shall have a properly attached rigid ceiling.

3. The joists shall have bracing installed per BCS sections B3, B7 or B10, as applicable.

[illegible]

03/08/2011

JREF- 1UA2487 Z01



(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - F15A)

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 GCpl(+/-)-0.18

End verticals not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

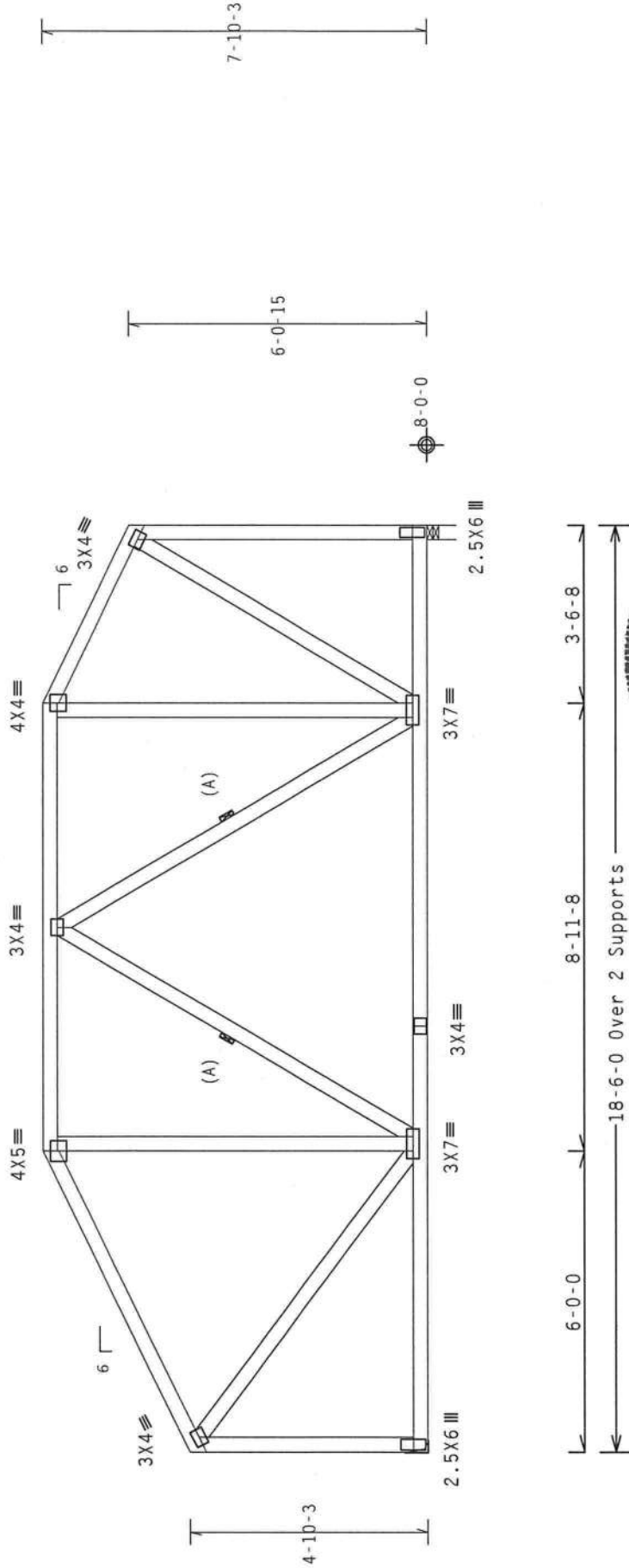
(A) Continuous lateral bracing equally spaced on member.

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.

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

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



R=762 U=15
RL=54/-42

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2003
FT/RT=10%(0%)/0(0%)

QTY:1

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R487--	91626
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067030
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188305	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

9 05 03 0319.16
No. 22839
MATEER P. FINN
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/08/2011

Refer to end of sheet for details.
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. The latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) shall be used for all truss details. Truss details shall be checked for safety. 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 bracing 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 shown. The responsibility of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinat.org; NECA: www.sbctindustry.com; ICC: www.iccsafe.org

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

(11-043--F11) in later MILTON BUILDERS/HARRIS -- , ** - F17A)

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

End verticals not exposed to wind pressure.

(A) 1x4 #3SR8 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.

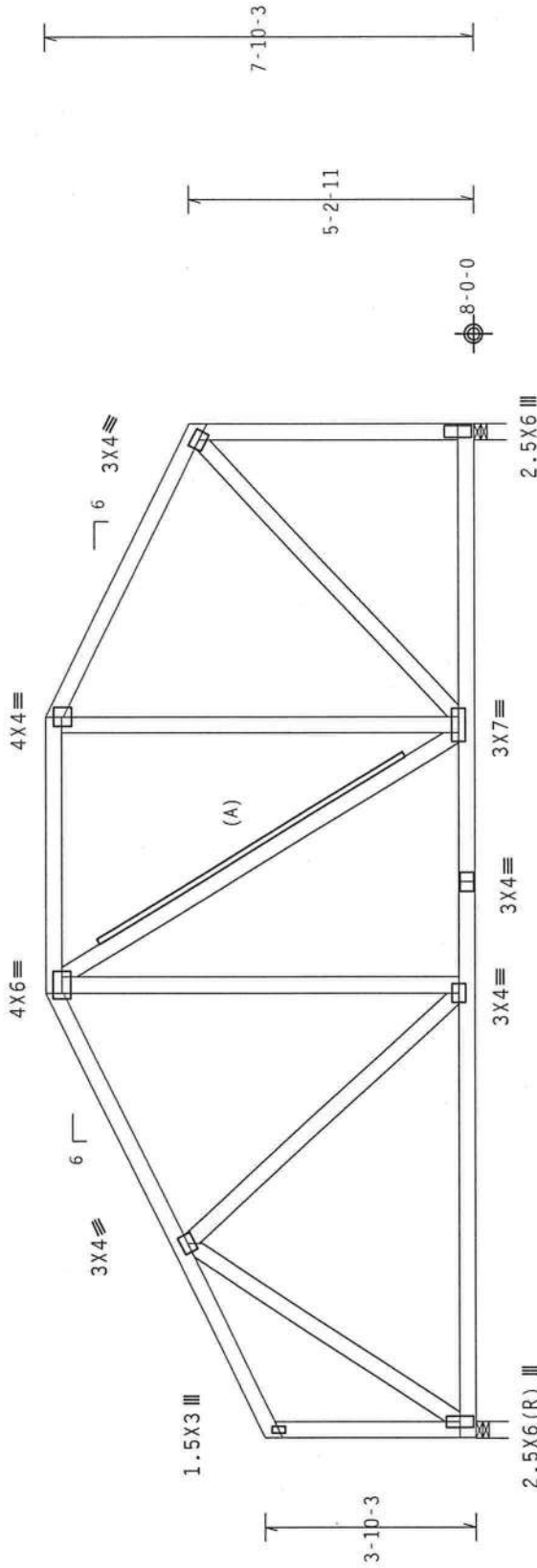
MWFRS loads based on trusses located at least 15.00 ft. from roof edge.

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.

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

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



8-0-0 4-11-8 5-3-0
18-2-9 Over 2 Supports
R=750 U=0 W=3.5"
R=750 U=1 W=3.5"
R=750 U=1 W=3.5"

R=750 U=0 W=3.5"
(3.425" Effective Contact)
RL=75/-60

Design Crit: FBC2007Res/TPI-2002(Std)
FT/RT=10% (0%) / 0 (0%)
Scale = 3125"/Ft.

PLT TYP. Wave



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 the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) for safe practices prior to performing these functions. Installers shall provide temporary bracing and shoring as required. Unless noted otherwise, top chord shall have properly attached structural sheathing as shown and shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing 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 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: general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; WTCA: www.wtcaindustry.com; ICC: www.iccsafe.org

TC LL	20.0 PSF	REF	R487--	91627
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067031
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188310	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - EJ7)

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

Roof overhang supports 2.00 psf soffit load.

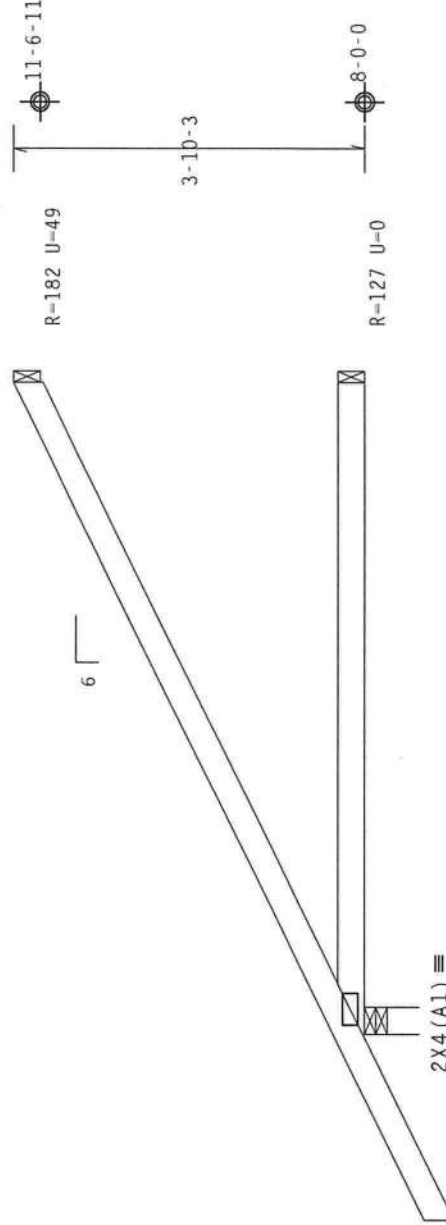
Bottom chord checked for 10.00 psf non-concurrent live load.

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.

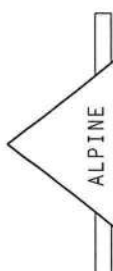
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpf(+/-)=0.18

Wind reactions based on MMFRS pressures.

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



← 2'-0-0 →
← 7'-0-0 Over 3 Supports →
R-450 U=33 W=3.5"
RL-104/-44

PLT TYP. Wave	Design Crit: FBC2007Res/TPI-2007 (STU) FT/RT=10%(0%)/0(0%)		QTY:22 FL/-4/-1-/R/-		Scale = .5"/Ft.	
	9 05 03 0319.10 No. 22839		TC LL 20.0 PSF		REF R487-- 91628	
 ITW Building Components Group Inc. Haines City, FL 33844 FL COA #0278	TC DL 10.0 PSF		DATE 03/08/11		DRW HCUSR487 11067032	
	BC DL 10.0 PSF		DRW HCUSR487 11067032		HC-ENG DLJ/AP	
	BC LL 0.0 PSF		SEQN- 188224			
	TOT.LD. 40.0 PSF		DUR.FAC. 1.25			
	SPACING 24.0"		JREF- 1UA2487_Z01			



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

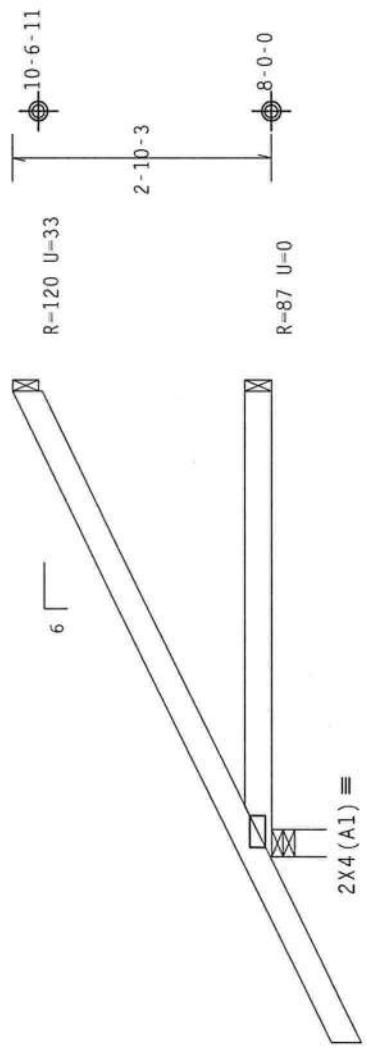
****IMPORTANT**** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) for safety practices prior to performing these functions. Installers shall provide temporary 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 bracing of 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 shown. Any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, bracing of trusses. Apply plates to each face of truss and position as shown above and below the truss. Trusses shall be installed in accordance with the design shown. The responsibility of the Building Designer, per ANSI/TPI 1 Sec.2. For more information see: general notes page: ITW-BEG: www.itwbeg.com; TPI: www.tpinat.org; NICA: www.nicaindustry.com; ICC: www.iccsafe.org

(11-043--F111 in later MILTON BUILDERS/HARRIS -- . ** - CJS5)

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 GCPI (+/-)-0.18
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.



2'-0"-0" →
5'-0"-0" Over 3 Supports →
R=377 U=34 W=3.5"
RL=80/-39

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

PLT TYP. Wave

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"

9. No. 03-2839 16
WALTER P. FINN
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER
03/08/2011

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

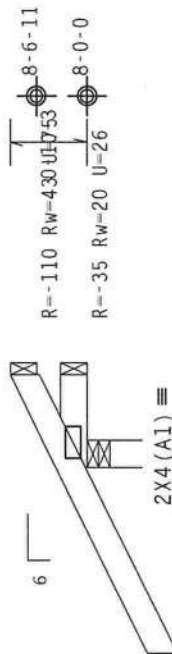
(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - CJ1)

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 GCp1 (+/-)=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.



2-0-0
1-0-0 Over 3 Supports

R-361 U=81 W=3.5"
RL-34/-28

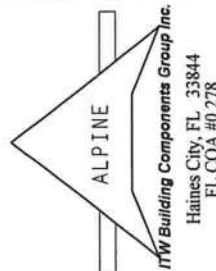
PLT TYP. Wave

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

Scale = .5"/Ft.

TC LL	20.0 PSF	REF R487-- 91631
TC DL	10.0 PSF	DATE 03/08/11
BC DL	10.0 PSF	DRW HCUSR487 11067035
BC LL	0.0 PSF	HC-ENG DLJ/AP
TOT.LD.	40.0 PSF	SEQN- 188233
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1UA2487_Z01

03/08/2011



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

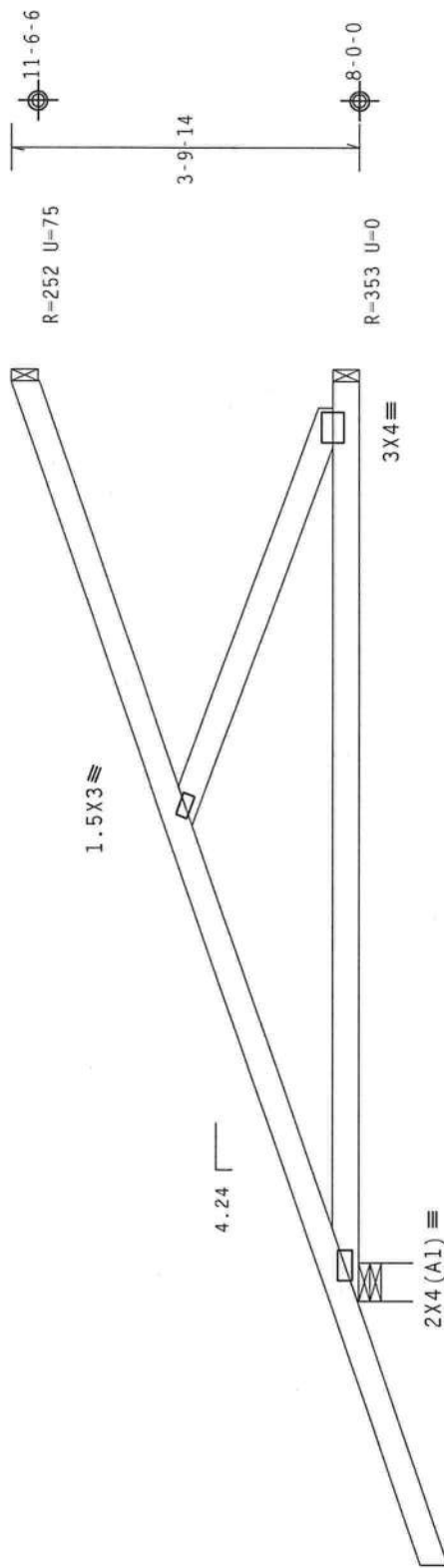
Hipjack supports 7-0-0 setback jacks with no webs.

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

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

Wind reactions based on MNFRS 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.



← 2-9-15 →

← 9-10-13 Over 3 Supports →

R=540 U=71 W=4.95"

SECRET

PLT TYP. Wave

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

Scale = .5"/Ft.

QTY:1

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

****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. The contractor should consult with the manufacturer, engineer, architect and building department prior to performing these functions. Installation of the trusses shall be in accordance with the manufacturer's instructions. The contractor shall have a properly attached rigid ceiling. Locations for permanent lateral bracing shall have bracing installed per BCSP sections B3, B7 or B10, as applicable.

ALPINE

MTW Building Components Group Inc.

Haines City, FL 33844

FL COA #0 278

03/08/2011

DIIR FAC 1 25

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[illegible]

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - EJ3)

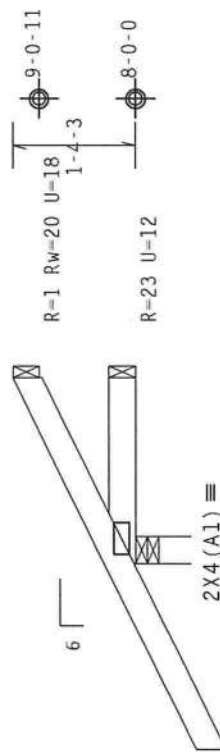
110 mph wind, 15.00 ft mean hgt, ASCE 7-05, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCp1 (+/-)=0.18

Wind reactions based on MWFRS pressures.

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

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.



2-0-0 Over 3 Supports
R-305 U-46 W-3.5"
RL-46/-31

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2007 (STU)
FT/RT=10%(0%)/0(0%)

QTY:11 FL/-/4/-/-/R/-
Scale =.5"/Ft.

TC LL	20.0	PSF	REF R487--	91633
TC DL	10.0	PSF	DATE	03/08/11
BC DL	10.0	PSF	DRW	HCU8487 11067037
BC LL	0.0	PSF	HC-ENG	DLJ/AP *
TOT.LD.	40.0	PSF	SEQN-	188263
DUR.FAC.	1.25			
SPACING	24.0"		JREF-	1UA2487_Z01

[illegible]

ALPINE

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

(11-043--Fill in later MILTON BUILDERS/HARRIS -- , ** - HJ3)

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

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. lw=1.00 GCpl(+/-)-0.18

Wind reactions based on MWFRS pressures.

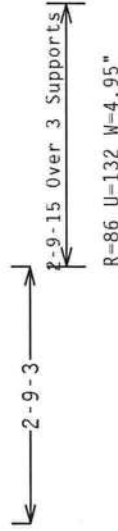
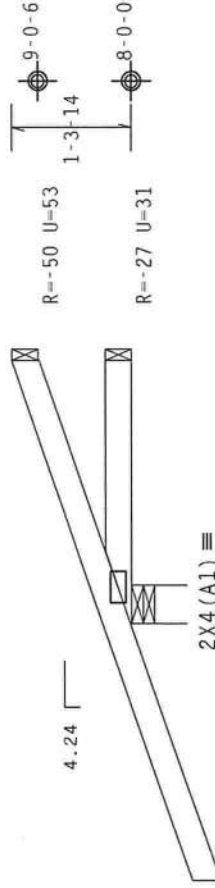
Roof overhang supports 2.00 psf soffit load.

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

Special loads

-----Lumber Dur.Fac.-1.25 / Plate Dur.Fac.-1.25)
TC- From 0 plf at -2.77 to 61 plf at 0.00
TC- From 2 plf at 0.00 to 2 plf at 2.83
BC- From 0 plf at -2.77 to 4 plf at 0.00
BC- From 2 plf at 0.00 to 2 plf at 2.83
TC- -86.25 lb Conc. Load at 1.48
BC- -5.98 lb Conc. Load at 1.48

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



PLT TYP. Wave

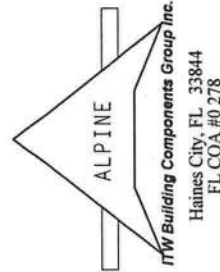
Design Crit: FBC2007Res/TPI-2003 STD.
FT/RT=10%(0%)/0(0%)

Scale =.5"/Ft.

QTY:2

FL/-/4/-/R/-

REF R487-- 91634



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 any follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) for safety practices prior to performing these functions. Installers shall provide temporary bracing and bracing unless noted otherwise. Top chord shall have properly attached structural sheathing. Bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing 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 of trusses. Apply plates to each face of truss and position as shown above and on details, unless noted otherwise. Refer to drawings 160A-2 for standard plate positions. A drawing or cover page listing this drawing. The manufacturer of the truss shall be responsible for the general notes page of the Building Designer per ANSI/TPI 1 Sec.2. For more information see: This drawing's general notes page: ITW-BCG: www.itwbcg.com; TPI: www.tpinet.org; NICA: www.nicaindstry.com; ICC: www.iccsafe.org



03/08/2011

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"

JREF- 1UA2487_Z01

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - EJ7T)

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

Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

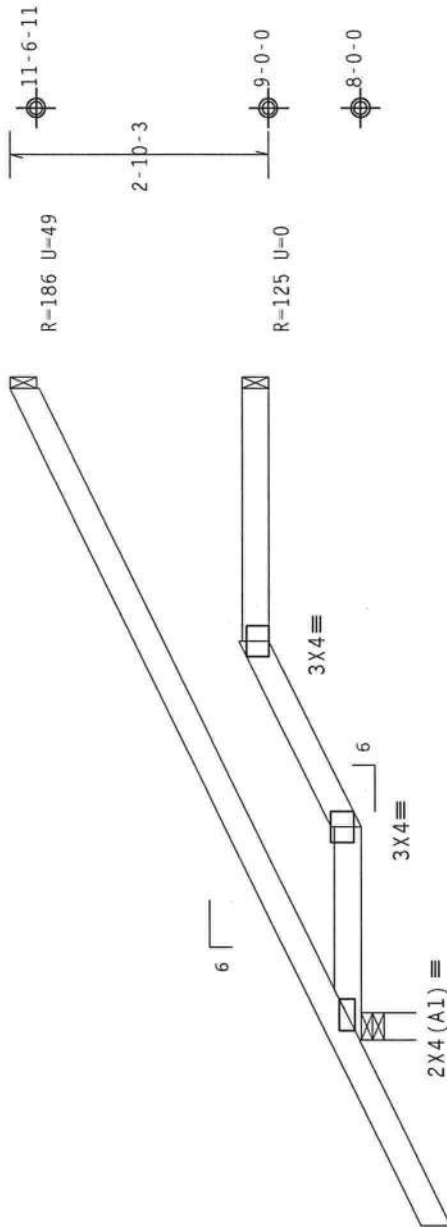
Bottom chord checked for 10.00 psf non-concurrent live load.

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

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

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.



2-0-0

2-3-8 2-0-0 2-8-8
7-0-0 Over 3 Supports

R-453 U=31 W=3.5"
RL=109/-49

Design Crit: FBC2007Res/TPI-2002(5TD)
FT/RT=10% (0%)/0 (0%)

Scale =.5"/Ft.

PLT TYP. Wave

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 TPI and IBC) for safe

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

shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraints

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

any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installing

bracing or trusses. Apply plates to each face of truss and position as shown above and on the

details, unless noted otherwise. Refer to drawings 100-2 for standard plate positions. A seal

drawing page 100-2 for standard plate positions. A seal drawing page 100-2 for standard

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; WCA: www.wcaindustry.com;

ICC: www.iccsafe.org



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



03/08/2011

TY:3

FL/-4/-1/R/-

TC LL	20.0 PSF	REF	R487--	91635
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067039
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188319	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - CJST)

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

Roof overhang supports 2.00 psf soffit load.

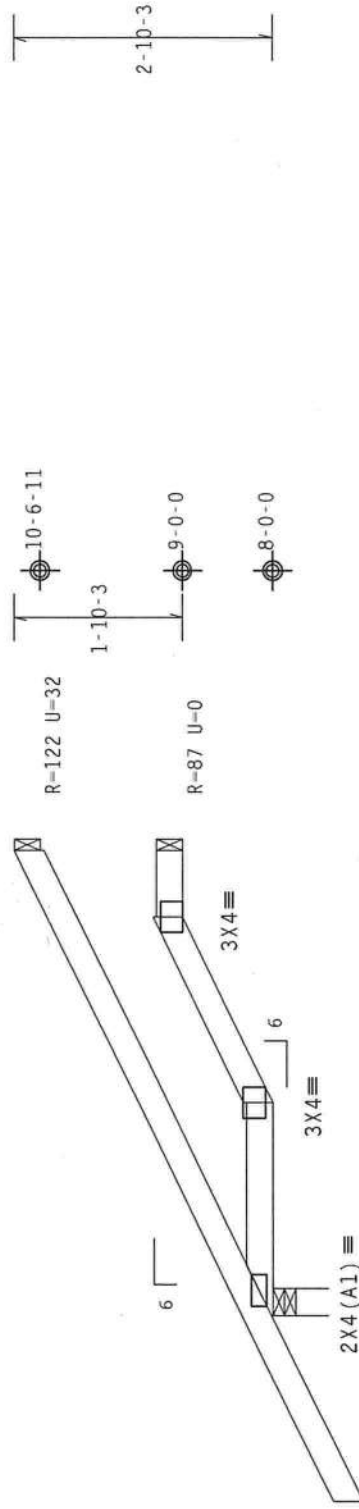
Bottom chord checked for 10.00 psf non-concurrent live load.

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. 1w=1.00 GCpl(+/-)-0.18

Wind reactions based on MMFRS pressures.

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



2-0-0

2-3-8

2-0-0

2-0-8

5-0-0 Over 3 Supports

R-379 U-32 W-3.5"

RL-86/-44

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--	91636
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067040
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188316	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_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 any follow the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) 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 as shown above and on shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall be permanent. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from 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.tpinet.org; WICA: www.sbcindustry.com; ICC: www.iccsafe.org

ALPINE

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

03/08/2011

(11-043--F111 In later MILTON BUILDERS/HARRIS -- , ** - HJ71)

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

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

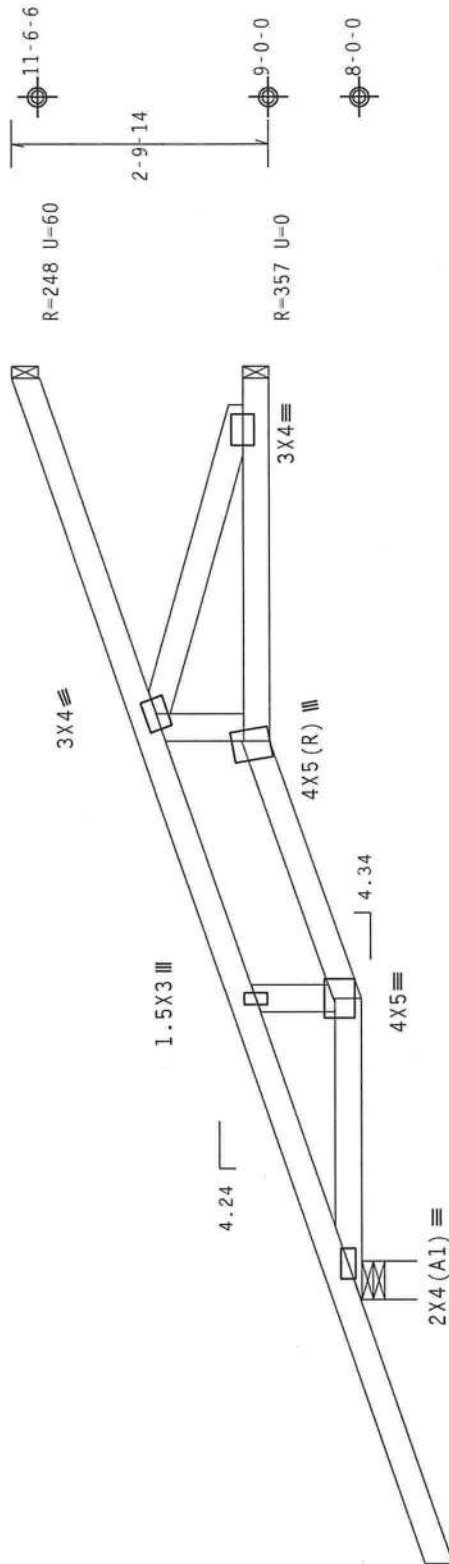
Deflection meets L/240 live and L/180 total load.

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

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.

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.



2-9-15

3-2-14

2-9-3

3-10-11

9-10-13 Over 3 Supports

R-540 U=71 W=4.95"

PLT TYP. Wave

Design Crit: FBC2007Res/TPI-2008 STD

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

FL/-4/-1-R/-

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. **IMPORTANT** Trusses require extreme care in fabricating, handling, shipping, installing and bracing. All trusses must be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. Trusses are to be installed in accordance with the design drawings and specifications. 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(11-043--Fill) in later MILTON BUILDERS/HARRIS -- , ** - EJ7GE)

Top chord 2x4 SP #1
Bot chord 2x4 SP #1
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #1:

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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.

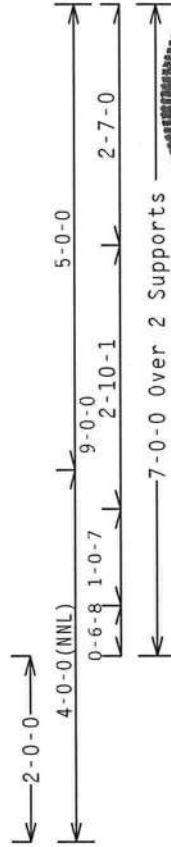
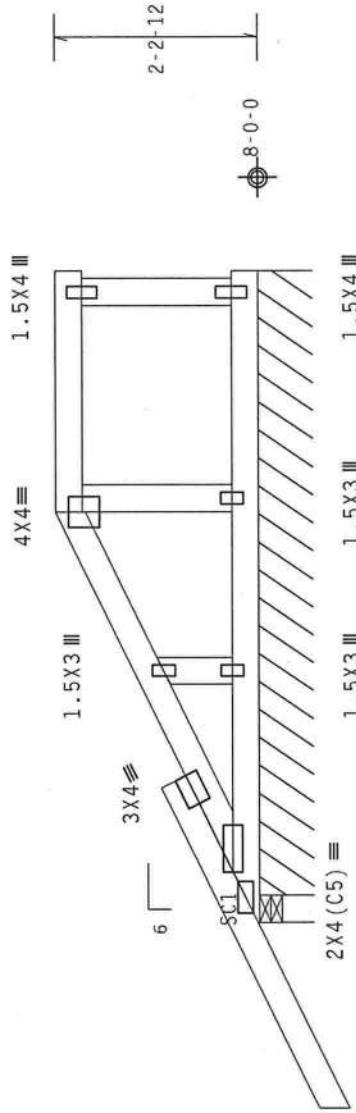
Right end vertical not exposed to wind pressure.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

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.



R=367 U=255 W=3.5"

RL=214/-42

R=68 PLF U=34 PLF W=6-8-8

Design Crit: FBC2007Res/TPI-2003 STD

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

WARNING READ AND FOLLOW ALL NOTES ON THIS SHEET.

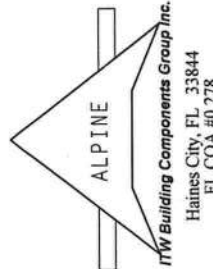
FURNISH THIS DESIGN TO ALL CONTRACTORS INCLUDING INSTALLERS.

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to the latest edition of BCSI (Building Component Safety Information, by TPI and BCSI) 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 on bottom chord web. Shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing 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 construction of the truss in accordance with the IITWBCG specifications. The truss is designed and manufactured in accordance with the IITWBCG specifications. The truss is designed and manufactured in accordance with the IITWBCG specifications. The truss is designed and manufactured in accordance with the IITWBCG specifications.

ICC: www.iccsafe.org
general notes page: IITWBCG: www.iitwbcg.com; TPI: www.tpinet.org; NICA: www.sbcindustrial.com; 03/08/2011

PLT TYP. Wave



QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487--	91639
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067043
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN-	188218	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1UA2487_Z01	

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - MGE)

Top chord 2x4 SP #1
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

:Stack Chord SC1 2x4 SP #2 Dense:

Roof overhang supports 2.00 psf soffit load.

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers.
Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

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

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

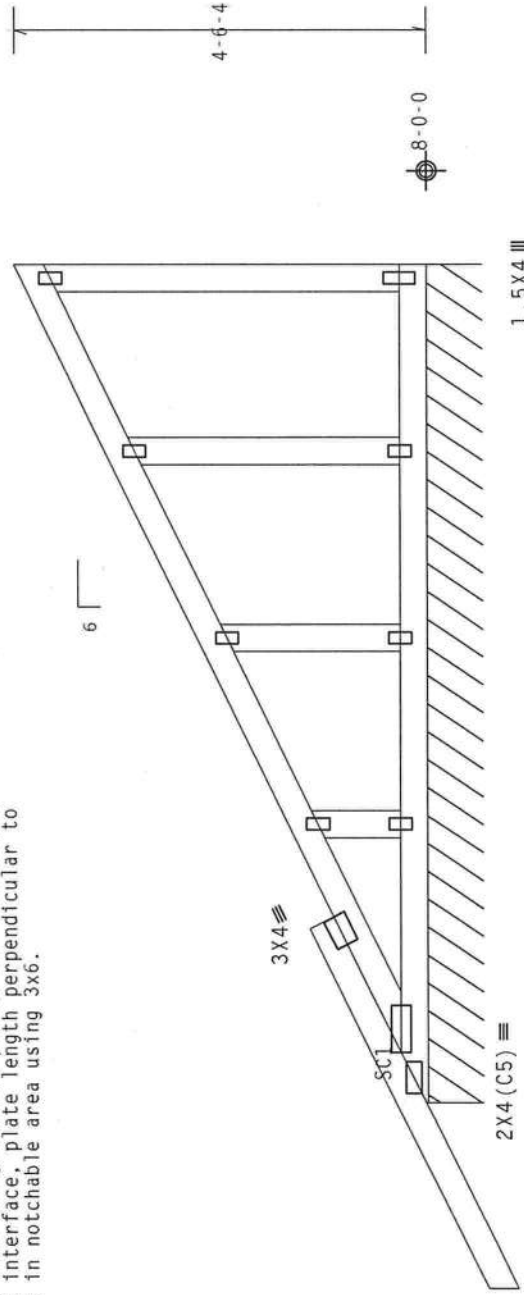
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

See DWGS A11015050109 & GBLLETIN0109 for more requirements.

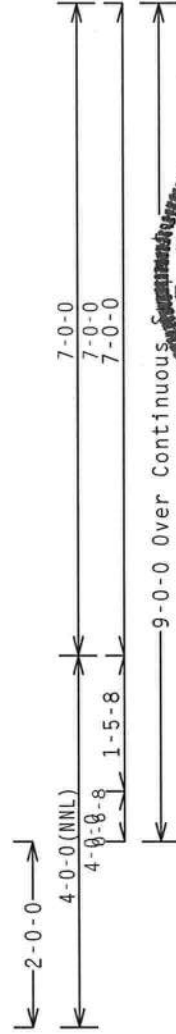
Bottom chord checked for 10.00 psf non-concurrent live load.

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



1.5X4 III

2.5X6 (C5) III



R-121 PLF U=9 PLF W=9-0-0
RL-14/-5 PLF

Note: All Plates Are 1.5X3 Except As Shown.

Design Crit: FBC2007Res/TPI-2002 (STD)

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

TY:1

FL/-4/-/-R/-

Scale =.5"/Ft.

TC LL	20.0 PSF	REF	R487--	91640
TC DL	10.0 PSF	DATE	03/08/11	
BC DL	10.0 PSF	DRW	HCUSR487	11067046
BC LL	0.0 PSF	HC-ENG	DLJ/AP	
TOT.LD.	40.0 PSF	SEQN	188353	
DUR.FAC.	1.25			
SPACING	24.0"	JREF	1UA2487_Z01	

WALTER P. FINN
LICENSE
9. NO. 2283916
FLORIDA
PROFESSIONAL ENGINEER
03/08/2011

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. All trusses shall be installed in accordance with the latest edition of BCSI (Building Component Safety Information, by TPI and IBC) 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 blocking. Top chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral resistance. 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 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 this drawing. Details, unless noted otherwise. Refer to drawings 100A-2 for standard plate positions. A seal of the drawing or cover page listing the design shown. The seal shall be used to indicate the responsibility solely for this design shown. The seal shall be used to indicate the responsibility solely for this design shown. For more information see: This job's general notes page: ITN-BCG: www.itwbcg.com; TPI: www.tpi.org; NFCA: www.nfcaindustry.com; ICC: www.iccsafe.org

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

(11-043--Fill in later MILTON BUILDERS/HARRIS --, ** - EJ7H)

Top	chord	2x4	SP	#2	Dense
80t	chord	2x4	SP	#2	Dense

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 GCpf (+/-)=0.18

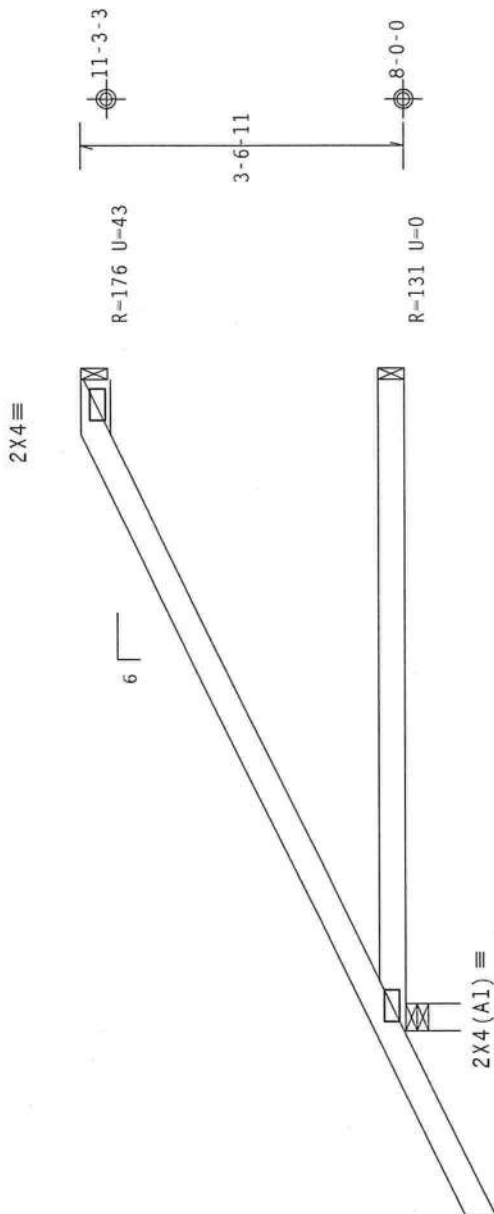
Roof overhang supports 2.00 psf soffit load.

Wind reactions based on MWFRS pressures.

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

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

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.



2-0-0 7-0-0 Over 3 Supports

R-444 U=34 W=3.5"
RL-97/-42

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-- 91641
TC DL	10.0	PSF	DATE 03/08/11
BC DL	10.0	PSF	DRW HCUR487 11067044
BC LL	0.0	PSF	HC-ENG DLJ/AP
TOT.LD.	40.0	PSF	SEQN- 188221
DUR.FAC.	1.25		
SPACING	24.0"		JREF- 1UA2487_Z01

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. The following are the minimum test edition of BCSP (Building Component Safety Information, by IPI and BCI) instructions for the installation of trusses. Installers shall provide temporary bracing and shoring for the trusses until the roof sheathing is in place. The instructions shall have a properly attached structural sheathing and roof sheathing. The instructions shall have a properly attached rigid ceiling. Locations shown for permanent lateral bracing shall have bracing installed or BCSP section B3, B7 or B10, as applicable.

NOTES FOR THE RECORD OF THE 100TH ANNUAL MEETING OF THE AMERICAN SOCIETY OF CLIMATE AND WEATHER, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2

ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping

any failure to bolt the truss in compliance with (b)(1) is a code violating, endangering the life of the building. Apply plates to each face of truss and position as shown above and on the drawing of trusses.

Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

rawing or cover page listing this drawing. Indicates acceptance of professional engineer

responsibility solely for the design shown. The suitability and use of this design for a

the responsibility of the Building Designer per ANSI/ISO 1 Sec.2. For more information

energy! notes page: www.energy.com, URL: www.energy.com
CC: www@ccsafe.net

CG-155916-019

CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON A TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

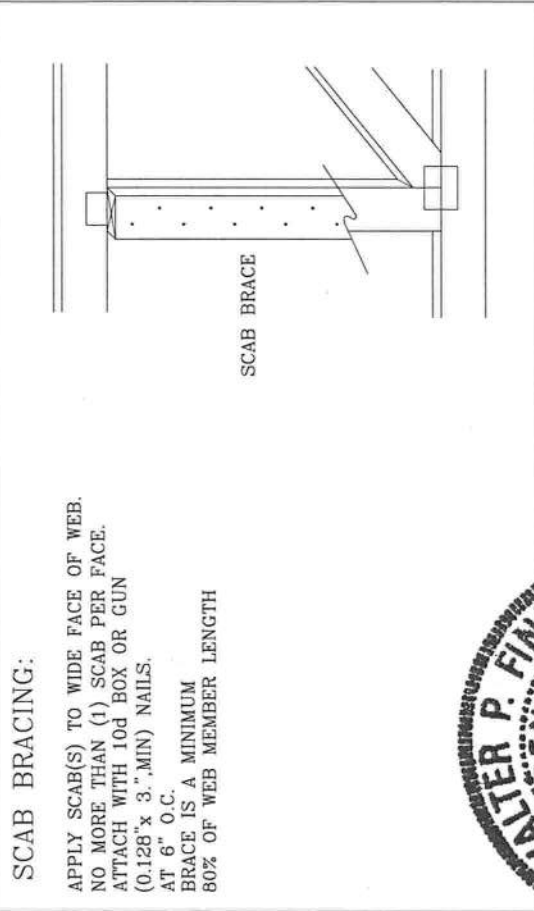
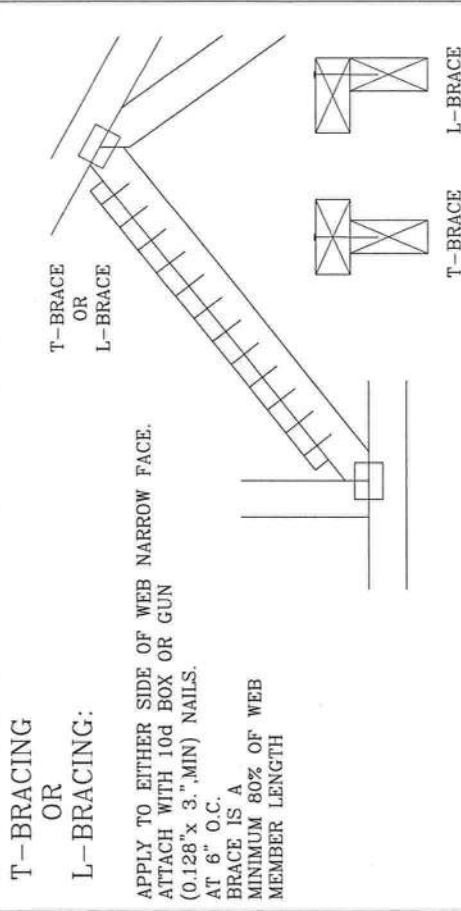
THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

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

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

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



TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	1/1/09
BC DL	PSF	DRWG	BRCLSUB0109
BC LL	PSF		
TOT. LD.	PSF		
DUR. FAC.			
SPACING			

WARNINGS** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the ITW Building Components Group Inc. (ITWBCG) Building Component Safety Information, by TPI and WTC for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached rigid ceiling. Additional bracing or permanent bracing shall be provided for bracing in accordance with sections B3 & B7. See this job's general notes page for more information.

IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviation from the design shown on this drawing. ITWBCG shall not be responsible for any failure to build the truss in accordance with TPI, or fabricating, handling, shipping, or bracing of trusses. ITWBCG connector plates are made of 2016/1604 (W11/S/K) ASTM A505. (K=K1) and shall be used in accordance with the ITWBCG Building Component Safety Information. The responsibility of the Building Designer per ANSI/TPI 1 Sec. 2. ITW-BGC: www.itwbcg.com; TPI: www.tpinet.com; WTC: www.abindustry.com; ICC: www.iccsafe.org



Earth City, MO 63045

03/08/2011

GABLE STUD REINFORCEMENT DETAIL

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

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

MAX GABLE VERTICAL LENGTH

BRACING GROUP SPECIES AND GRADES:

GROUP A:	
SPRUCE-PINE-FIR	HEM-FIR
#1 / #2 STANDARD	#2 STUD
#3 STANDARD	#3 STANDARD
DOUGLAS FIR-LARCH	
#3 STUD	#3 STUD
STANDARD	STANDARD

GROUP B:	
HEM-FIR	DOUGLAS FIR-LARCH
#1 & BTR	#1
#2	#2

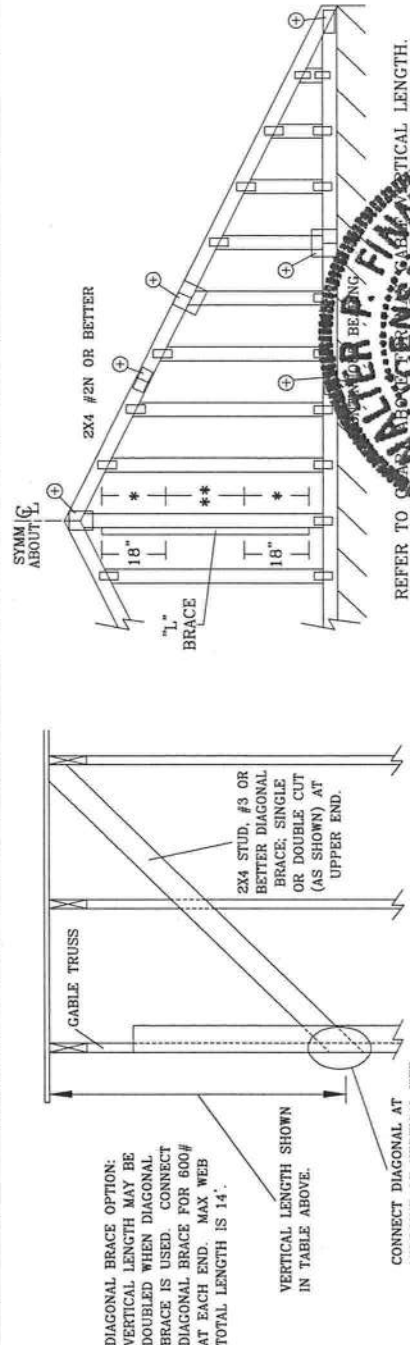
SOUTHERN PINE	DOUGLAS FIR-LARCH
#1	#1
#2	#2

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.
 PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).
 GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

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

GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2.5X4
GREATER THAN 11' 6"	3X4
+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.	



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



WARNING** READ AND FOLLOW ALL NOTES ON THIS SHEET. Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the design of the truss for any deviations from the design. BCSI (Building Component Safety Information, by TPI and WCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural panels and bottom chord shall have a properly attached right ceiling. Installers shall provide temporary bracing per BCSI. See this job's general notes page for more information.

IMPORTANT** FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW Building Components Group Inc. (ITWBCG) shall not be responsible for any deviations from the design of any building to build the truss in conformance with TPI, or fabricating, handling, shipping, installing and bracing of trusses. ITWBCG connector plates are made of 2016/16GA (#11/S/K) ASTM A572 Grade 50 steel. Apply plates to each face of truss, positioned as shown above and below the truss web. The suitability and use of this component for any responsibility of the Building Designer per ANSI/TPI 1 Sec. 2.

ITW-BCG: www.itwbcg.com; TPI: www.tpiinst.com; WCA: www.abindustry.com; ICC: www.iccsafe.org



MAX. TOT. LD. 60 PSF

MAX. SPACING 24.0"

REF ASCE7-05-GAB1015
 DATE 1/1/09
 DRWG A11015050109

CERTIFICATE OF OCCUPANCY

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 16-3s-16-02149-001

Building permit No. 000029285

Use Classification SFD, Utility

Fire: 0

Permit Holder Jay Milton

Waste: 0

Owner of Building Vickie Harris

Total: 0

Location: 371 NW Ella Allen Ct, Lake City, FL 32055

Date: 8/25/2011

Jay C

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)





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Building Inspector

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(Business Places Only)



Notice of Treatment

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

Address: 536 SE BAYH

City: LCITY Phone: _____

Site Location: Subdivision _____

Lot # _____ Block# _____ Permit # 29285

Address: 361 NW ELLA ALLEN

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

Type treatment:

☒ Soil

☐ Wood

Area Treated	Square feet	Linear feet	Gallons Applied
<u>DWELLING</u>	<u>2150</u>	<u>251</u>	<u>190</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 _____.

4-13-11
Date

10:30
Time

DAVID FULLER
Print Technician's Name

Remarks: _____

Applicator - White

Permit File - Canary

Permit Holder - Pink

10/05

