

DATE12/20/2006

Columbia County Building Permit

PERMIT000025326

This Permit Expires One Year From the Date of Issue

APPLICANTAUBREY LAND

PHONE386-590-4830

ADDRESS654SE JIM LAND RDMAYOFL32066

OWNERIAN AND ANDREA RING

PHONE

ADDRESS479SE DEKLE RDLAKE CITYFL32024

CONTRACTORAUBREY LAND

PHONE386-590-4830

LOCATION OF PROPERTY90 WEST TAE 252, L DEKLE RD, ABOUT 400 YARDS TO A

GATED ENTRANCE ON THE LEFT, FOLLOW TO TE BACK

TYPE DEVELOPMENTSFD, UTILITY

ESTIMATED COST OF CONSTRUCTION89600.00

HEATED FLOOR AREAL792.00

TOTAL AREAL2837.00

HEIGHT20.50

STORIES1

FOUNDATIONCONCRETE

WALLSFRAMED

ROOF PITCH8/12

FLOORSLAB

LAND USE & ZONINGAG-3

MAX. HEIGHT35

Minimum Set Back Requirments:

STREET-FRONT30.00

REAR25.00

SIDE25.00

NO. EX.D.U.0

FLOOD ZONEX

DEVELOPMENT PERMIT NO.

PARCEL ID07-4S-16-02804-001

SUBDIVISION

LOT

BLOCK

PHASE

UNIT

TOTAL ACRES5.00

000001282

CBC1253768

Culvert Permit No.

Culvert Waiver

Contractor's License Number

Applicant/Owner/Contractor

WAIVER06-0811-N

BK

JH

N

Driveway Connection

Septic Tank Number

LU & Zoning checked by

Approved for Issuance

New Resident

COMMENTS: NOC ON FILE, FLOOR ONE FOOT ABOVE THE ROAD

SEE REQUIREMENTS OF PLANS REVIEW LETTER ATTACHED

Check # or Cash2238

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power

Foundation

Monolithic

date/app. by

date/app. by

date/app. by

Under slab rough-in plumbing

Slab

Sheathing/Nailing

date/app. by

date/app. by

date/app. by

Framing

Rough-in plumbing above slab and below wood floor

date/app. by

date/app. by

Electrical rough-in

Heat & Air Duct

Peri. beam (Lintel)

date/app. by

date/app. by

date/app. by

Permanent power

C.O. Final

Culvert

date/app. by

date/app. by

date/app. by

M/H tie downs, blocking, electricity and plumbing

Pool

date/app. by

date/app. by

Reconnection

Pump pole

Utility Pole

date/app. by

date/app. by

date/app. by

M/H Pole

Travel Trailer

Re-roof

date/app. by

date/app. by

date/app. by

BUILDING PERMIT FEE \$450.00

CERTIFICATION FEE \$14.19

SURCHARGE FEE \$14.19

MISC. FEES \$0.00

ZONING CERT. FEE \$50.00

FIRE FEE \$0.00

WASTE FEE \$

FLOOD DEVELOPMENT FEE \$

FLOOD ZONE FEE \$25.00

CULVERT FEE \$

TOTAL FEE553.38

INSPECTORS OFFICE

CLERKS OFFICE

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."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVENIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

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

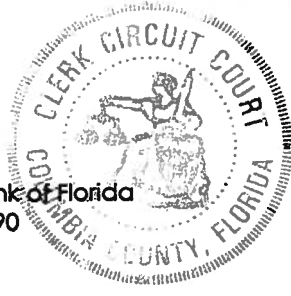
This Instrument Prepared By:
 Michael H. Harrell
 Abstract & Title Services, Inc.
 283 NW Cole Terrace
 Lake City, Florida 32055

NOTICE OF COMMENCEMENT

TO WHOM IT MAY CONCERN:

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

1. Description of Property: See Exhibit "A" attached hereto and by this reference made a part thereof
2. General Description of Improvement: Construction of Dwelling
3. Owner Information:
 - a. Name and Address: Ian Wesley Ring, and his wife, Andrea J. Ring, 175 SW Fennigan Way, Lake City, FL 32025
 - b. Interest in property: Fee Simple
 - c. Name and address of fee simple title holder (if other than Owner): NONE
4. Contractor (name and address): A & J Framing, Inc., 654 SE Jim Land Road, Mayo, FL 32066
5. Surety:
 - a. Name and Address: N/A
 - b. Amount of Bond: N/A
6. LENDER: First Federal Savings Bank of Florida
 4705 West US Highway 90
 PO Box 2029
 Lake City, FL 32056
7. Persons within the State of Florida designated by Owner upon whom notices of other documents may be served as provided in Section 713.13(1)(a)7., Florida Statutes: NONE
8. In addition to himself, Owner designates PAULA HACKER, of FIRST FEDERAL SAVINGS BANK OF FLORIDA at 4705 WEST US HIGHWAY 90 / PO BOX 2029, LAKE CITY, FL 32056, to receive a copy of the Lienor's Notice as provided in Section 713.13(1)(b) Florida Statutes.
8. Expiration date of Notice of Commencement (the expiration date is 1 year from the date of recording unless a different date is specified).



STATE OF FLORIDA, COUNTY OF COLUMBIA
 I HEREBY CERTIFY, that the above and foregoing
 is a true copy of the original filed in this office.
 P. DEWITT CASON, CLERK OF COURTS
 By Bonnie Don
 Deputy Clerk
 Date 10-26-2006

*Owner is used for singular or plural as context requires.

Signed, sealed and delivered in the presence:

Cheryl Beaty
 WITNESS Cheryl Beaty
Traci Landry
 WITNESS Traci Landry

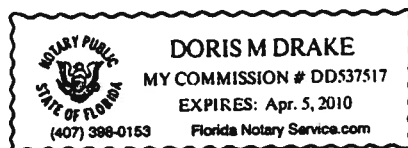
Ian Wesley Ring
Andrea J. Ring
 Ian Wesley Ring
 Andrea J. Ring

STATE OF FLORIDA
 COUNTY OF COLUMBIA

Before me, personally appeared Ian Wesley Ring, and his wife, Andrea J. Ring, to me known to be the person(s) described in and who executed the foregoing instrument, and they acknowledged to and before me that they executed said instrument for the purpose therein expressed.

Witness my hand and official seal this 25th day of October, 2006.

(SEAL)



[Signature]
 NOTARY PUBLIC
 My Commission Expires:

ATS #16076

Exhibit "A"

Begin at the Northeast corner of the South Half (S ½) of the Southeast Quarter (SE ¼) of the Northwest Quarter (NW ¼) of Section 7, Township 4 South, Range 16 East, of Columbia County, Florida, thence run South 1°15'45" East, along the East line of said S ½ of SE ¼ of NW ¼, a distance of 331.31 feet; thence South 88°49'34" West, a distance of 657.39 feet; thence North 1°15'45" West, a distance of 331.31 feet, to the North line of said S ½ of SE ¼ of NW ¼; thence North 88°49'34" East, along said North line, a distance of 657.39 feet, to the Point of Beginning.

Together with the following described 30 foot easement for the purpose of ingress and egress: Begin at the intersection of the North line of the South Half (S ½) of the Southeast Quarter (SE ¼) of the Northwest Quarter (NW ¼) of Section 7, Township 4 South, Range 16 East, of Columbia County, Florida, with the East right-of-way of Dekle Road, a County maintained, paved road; thence run North 88°49'34" East, along said North line, a distance of 683.93 feet to the Northwest corner of the above described tract; thence South 1°15'45" East, along the West line of the above described tract, a distance of 30 feet; thence South 88°49'34" West, a distance of 684.06 feet, to the East right-of-way of Dekle Road; thence North 01°01'29" West, along said East right-of-way, a distance of 30 feet, to the Point of Beginning.

ALL
OK

Inst:2006025473 Date:10/26/2006 Time:14:01
_____, P. DeWitt Cason, Columbia County B:1100 P:677

Columbia County Building Permit Application

#5-78.38

For Office Use Only Application # 0612-52 Date Received 12/18/06 By CH Permit # 25326
 Application Approved by - Zoning Official BLK Date 12-14-06 Plans Examiner OK JTH Date 12-14-06
 Flood Zone X Development Permit N/A Zoning A-3 Land Use Plan Map Category A-3
 Comments PUT ON PERMIT REQUIREMENTS OF REVIEW LETTER JTH
☒ NOC ☒ EH ☐ Deed or PA ☐ Site Plan ☐ State Road Info ☐ Parent Parcel # ☐ Development Permit

Name Authorized Person Signing Permit Aubrey Land Phone 386-590-4830
 Address 654 SE Jim Land Rd. Maup FL 32066
 Owners Name Ian and Andrea Ring Phone _____
 911 Address 479 SW Dekle Rd Lake City, FL 32024
 Contractors Name Aubrey Land Phone 386-590-4830
 Address 654 SE Jim Land Rd.

Fee Simple Owner Name & Address _____
 Bonding Co. Name & Address _____
 Architect/Engineer Name & Address Marty J. Humphries 7932 240th St. O'Brien FL 32071
 Mortgage Lenders Name & Address First Federal Savings Bank (Turner Rd.)

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progressive Energy
 Property ID Number 07-45-16-02804-001 Estimated Cost of Construction \$150,000.00
 Subdivision Name _____ Lot _____ Block _____ Unit _____ Phase _____
 Driving Directions Turn 90 west to 252 south to Dekle Rd. take a left, Aprx. 400yds to gated entrance on left. site is all the way in the back.

Type of Construction New home. Number of Existing Dwellings on Property 0
 Total Acreage 5 Lot Size 5 Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive
 Actual Distance of Structure from Property Lines - Front 90' Side 60' Side 209' Rear 515'
 Total Building Height 20'5" Number of Stories 1 Heated Floor Area 1792 ft² Roof Pitch 8/12

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

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

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

Owner Builder or Authorized Person by Notarized Letter

STATE OF FLORIDA
 COUNTY OF COLUMBIA



Contractor Signature Aubrey Land
 Contractors License Number CPC1253768
 Competency Card Number _____
 NOTARY STAMP/SEAL

Sworn to (or affirmed) and subscribed before me
 this 18 day of December 20 06.

Personally known _____ or Produced Identification ✓

Notary Signature

(Revised Sept. 2006)

Notice of Prevention for Subterranean Termites
(As required by Florida Building Code (FBC) 104.2.6)



A locally owned
company serving
you since 1972

17856 U.S. 129 • McALPIN, FLORIDA 32062
(386) 362-3887 • 1-800-771-3887 • Fax: (386) 364-3529

AVBEEY LAND 479 S.E. DERIE RD LAKE CITY FL.

25326

Date 2-8-07

Time 2:30

Applicator ARON J Cummings

Product Used PREVAIR

Chemical used (active ingredient) CYPERMETHRIN

Number of gallons applied 369

Percent Concentration 1.25%

Area treated (square feet) 2397

Linear feet treated 198

Stage of treatment HORIZONTAL/VERTICAL
(Horizontal, Vertical, Adjoining Slab, retreat of disturbed area)

As per 104.2.6 - If soil chemical barrier method for Subterranean 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 and date this time.

**Columbia County Building Department
Culvert Permit**

**Culvert Permit No.
000001282**

DATE 12/20/2006 PARCEL ID # 07-4S-16-02804-001

APPLICANT AUBREY LAND PHONE 386-590-4830

ADDRESS 654 SE JIM LAND RD MAYO FL 32066

OWNER IAN AND ANDREA RING PHONE _____

ADDRESS 479 SW DEKLE RD LAKE CITY FL 32024

CONTRACTOR AUBREY LAND PHONE 386-590-4830

LOCATION OF PROPERTY 90 WEST, L 252, L DEKLE RD, ABOUT 400 YARDS ON THE LEFT

SEE GATED ENTRANCE, FOLLOW TO THE BACK

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

SIGNATURE 

INSTALLATION REQUIREMENTS



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

INSTALLATION NOTE: Turnouts will be required as follows:

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



Culvert installation shall conform to the approved site plan standards.



Department of Transportation Permit installation approved standards.



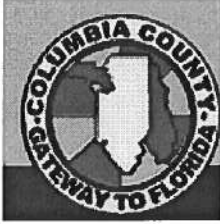
Other _____

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

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

Amount Paid 25.00





From: The Columbia County Building & Zoning Department
Plan Review
135 NE Hernando Av.
P.O. Box 1529
Lake City Florida 32056-1529

Reference to a building permit application Number: **0612-52**

Applicant: Aubrey Land contractor/ Owner Ian & Andrea Ring, Property ID 07-4s-16-02804-001

On the date of December 18, 2006 application 0612- 52 and plans for construction of single family dwelling were reviewed and the following information or alteration to the plans will be required to continue processing this application. If you should have any question please contact the above address, or contact phone number (386) 758-1163 or fax any information to (386) 754-7088.

Please include application number 0612-52 and when making reference to this application.

This is a plan review and subject to approval when in compliance with the following codes sections and all other requirements of the Florida Residential Code 2004 and doesn't make any consideration toward the land use and zoning requirements.

Over

1. The residential building code section 406.1.4 requires the following occupancy separation.

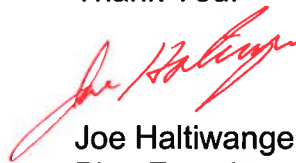
A. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum ½-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors or solid or honeycomb core steel doors not less than 13/8 inches (34.9 mm) thick, or doors in compliance with Sections 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.

B. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.

2. The attic area over the great room is shown on the plans as storage area with two dormer windows within the storage area. A pull down ladder is shown as a means of access to this storage area. The truss plans are engineered for a live load of 30 pounds per square foot which is sufficient for light storage and occupancies. If the attic area becomes a conditioned living space, access stairs designed to meet the requirements of sections R311 will be required to be shown on the plans. One window within this area shall meet the opening requirements of sections R310, emergency egress and rescue openings in any sleeping rooms.

3. 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.

Thank You:



Joe Haltiwanger
Plan Examiner
Columbia County Building
Department

STATE OF FLORIDA
DEPARTMENT OF FINANCIAL SERVICES
DIVISION OF WORKERS' COMPENSATION
CONSTRUCTION INDUSTRY
CERTIFICATE OF EXEMPTION FROM FLORIDA
WORKERS' COMPENSATION LAW



EFFECTIVE: 02/06/2006

** EXPIRATION DATE: 02/06/2008

PERSON: AUBREY P LAND

FEIN: 770643520

BUSINESS NAME A & J FABRICATIONS INC
AND ADDRESS: 654 SE JIM LAND RD
MAYO FL 32066

SCOPE OF BUSINESS OR TRADE:

1- CERTIFIED BUILDING CONTRACTOR

AC# 2773398

STATE OF FLORIDA

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L06090101739

DATE	BATCH NUMBER	LICENSE NBR
09/01/2006	067010632	CBC1253768

The BUILDING CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2008

LAND, AUBREY PERRY
A & J FABRICATION INC
654 SE JIM LAND RD
MAYO

FL 32066-5902

JEB BUSH
GOVERNOR

DISPLAY AS REQUIRED BY LAW

SIMONE MARSTILLER
SECRETARY

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
283 NW Cole Terrace
Lake City, Florida 32055

ATS# 16076

Corrective Warranty Deed

Individual to Individual

THIS WARRANTY DEED made the 4 day of ^{October}~~September~~, 2006, Dolores E. Keaton, A/K/A Delores E. Keaton, A Single Person, hereinafter called the grantor, to Ian Wesley Ring, and his wife, Andrea J. Ring whose post office address is: 175 SW Fennigan Way, Lake City, FL 32025 hereinafter called the grantee:

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

Witnesseth: That the grantor, for and in consideration of the sum of \$10.00 and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys, and confirms unto the grantee, all that certain land situate in COLUMBIA County, Florida, viz: Parcel ID# 07-4S-16-02804-001

See Exhibit "A" attached hereto and by this reference made a part hereof.

The purpose of this instrument is to correct the lack of Marital Status on that certain Warranty deed recorded in OR Book 1086, Page 1921, Public Record of Columbia County, Florida.

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

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

AND the grantor hereby covenants with said grantee that the grantor is lawfully seized of said land in fee simple; that the grantor has good right and lawful authority to sell and convey said land; that the grantor hereby fully warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2005.

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

Signed, sealed and delivered in our presence:

Barbara Ceryak

Witness:

Barbara Ceryak

Printed Name:

Marcie Kemp

Witness:

Marcie Kemp

Printed Name:

Dolores E. Keaton

Dolores E. Keaton

STATE OF FLORIDA
COUNTY OF COLUMBIA

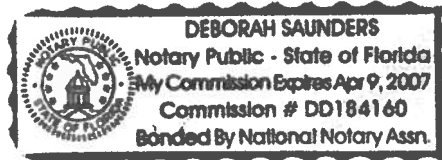
...

Noted

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 4th day of October, 2006, by Dolores E. Keaton, A/K/A Delores E. Keaton, A Single Person, personally known to me or, if not personally known to me, who produced _____ for identification and who did not take an oath.

Deborah Sanders
Notary Public

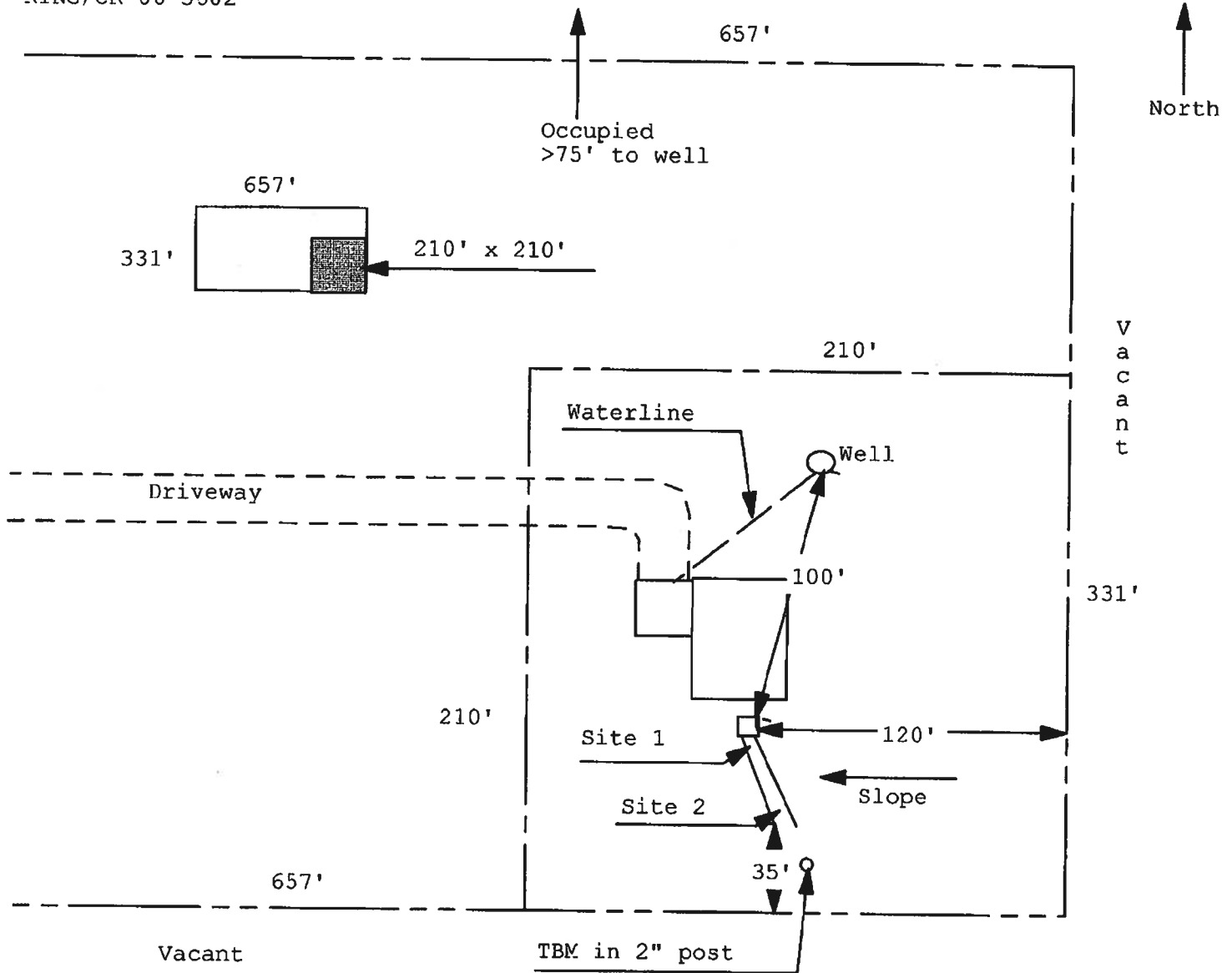


Application for Onsite Sewage Disposal System Construction Permit. Part II Site Plan

Permit Application Number: 06-0811N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

RING/CR 06-3682



1 inch = 60 feet

Site Plan Submitted By Paul L. [Signature] Date 9/11/06
 Plan Approved ☒ Not Approved ☐ Date 9/14/06
 By [Signature] Columbia CPHU

Notes: _____

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Community Affairs
Residential Whole Building Performance Method A

Project Name: Aubrey Land for Ring Residence	Builder: <i>Aubrey Land</i>
Address:	Permitting Office: <i>Columbia County</i>
City, State: ,	Permit Number: <i>25326</i>
Owner:	Jurisdiction Number: <i>221000</i>
Climate Zone: North	

1. New construction or existing New ☐	12. Cooling systems
2. Single family or multi-family Single family ☐	a. Central Unit Cap: 35.0 kBtu/hr
3. Number of units, if multi-family 1 ☐	SEER: 13.00
4. Number of Bedrooms 3 ☐	b. N/A ☐
5. Is this a worst case? No ☐	c. N/A ☐
6. Conditioned floor area (ft²) 1792 ft² ☐	13. Heating systems
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)	a. Electric Heat Pump Cap: 35.0 kBtu/hr
a. U-factor: Description Area	HSPF: 7.70
(or Single or Double DEFAULT) 7a. (Dble Default) 270.0 ft² ☐	b. N/A ☐
b. SHGC:	c. N/A ☐
(or Clear or Tint DEFAULT) 7b. (Clear) 270.0 ft² ☐	14. Hot water systems
8. Floor types	a. Electric Resistance Cap: 50.0 gallons
a. Slab-On-Grade Edge Insulation R=0.0, 224.0(p) ft ☐	EF: 0.92
b. N/A ☐	b. N/A ☐
c. N/A ☐	c. Conservation credits
9. Wall types	(HR-Heat recovery, Solar
a. Frame, Wood, Exterior R=13.0, 1575.6 ft² ☐	DHP-Dedicated heat pump)
b. N/A ☐	15. HVAC credits
c. N/A ☐	(CF-Ceiling fan, CV-Cross ventilation,
d. N/A ☐	HF-Whole house fan,
e. N/A ☐	PT-Programmable Thermostat,
10. Ceiling types	MZ-C-Multizone cooling,
a. Under Attic R=30.0, 1792.0 ft² ☐	MZ-H-Multizone heating)
b. N/A ☐	
c. N/A ☐	
11. Ducts	
a. Sup: Unc. Ret: Unc. AH: Garage Sup. R=6.0, 55.0 ft ☐	
b. N/A ☐	

Glass/Floor Area: 0.15

Total as-built points: 25943

Total base points: 26907

PASS

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

PREPARED BY: *N. Hopkins*

DATE: 12/6/06

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

OWNER/AGENT: _____

DATE: _____

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

BUILDING OFFICIAL: _____

DATE: _____



¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.

Code Compliance Checklist

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

6A-21 INFILTRATION REDUCTION COMPLIANCE CHECKLIST

COMPONENTS	SECTION	REQUIREMENTS FOR EACH PRACTICE	CHECK
Exterior Windows & Doors	606.1.ABC.1.1	Maximum: .3 cfm/sq.ft. window area; .5 cfm/sq.ft. door area.	
Exterior & Adjacent Walls	606.1.ABC.1.2.1	Caulk, gasket, weatherstrip or seal between: windows/doors & frames, surrounding wall; foundation & wall sole or sill plate; joints between exterior wall panels at corners; utility penetrations; between wall panels & top/bottom plates; between walls and floor. EXCEPTION: Frame walls where a continuous infiltration barrier is installed that extends from, and is sealed to, the foundation to the top plate.	
Floors	606.1.ABC.1.2.2	Penetrations/openings >1/8" sealed unless backed by truss or joint members. EXCEPTION: Frame floors where a continuous infiltration barrier is installed that is sealed to the perimeter, penetrations and seams.	
Ceilings	606.1.ABC.1.2.3	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	606.1.ABC.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.	
Multi-story Houses	606.1.ABC.1.2.5	Air barrier on perimeter of floor cavity between floors.	
Additional Infiltration reqts	606.1.ABC.1.3	Exhaust fans vented to outdoors, dampers; combustion space heaters comply with NFPA, have combustion air.	

6A-22 OTHER PRESCRIPTIVE MEASURES (must be met or exceeded by all residences.)

COMPONENTS	SECTION	REQUIREMENTS	CHECK
Water Heaters	612.1	Comply with efficiency requirements in Table 612.1.ABC.3.2. Switch or clearly marked circuit breaker (electric) or cutoff (gas) must be provided. External or built-in heat trap required.	
Swimming Pools & Spas	612.1	Spas & heated pools must have covers (except solar heated). Non-commercial pools must have a pump timer. Gas spa & pool heaters must have a minimum thermal efficiency of 78%.	
Shower heads	612.1	Water flow must be restricted to no more than 2.5 gallons per minute at 80 PSIG.	
Air Distribution Systems	610.1	All ducts, fittings, mechanical equipment and plenum chambers shall be mechanically attached, sealed, insulated, and installed in accordance with the criteria of Section 610. Ducts in unconditioned attics: R-6 min. insulation.	
HVAC Controls	607.1	Separate readily accessible manual or automatic thermostat for each system.	
Insulation	604.1, 602.1	Ceilings-Min. R-19. Common walls-Frame R-11 or CBS R-3 both sides. Common ceiling & floors R-11.	

WATER HEATING & CODE COMPLIANCE STATUS**Residential Whole Building Performance Method A - Details**

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
WATER HEATING				Tank	EF	Number of	X	Tank	X	Credit
Number of	X	Multiplier	=	Volume		Bedrooms		Ratio	Multiplier	=
Bedrooms			Total							Total
3		2635.00	7905.0	50.0	0.92	3		1.00	2635.00	1.00
				As-Built Total:						7905.0

CODE COMPLIANCE STATUS

BASE					AS-BUILT				
Cooling	+	Heating	+	Hot Water	=	Cooling	+	Heating	=
Points		Points		Points	Total	Points		Points	Total
Points		Points		Points	Points	Points		Points	Points
9587		9415		7905	26907	7164		10874	25943

PASS

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT						
INFILTRATION Area X BWPM = Points				Area X WPM = Points						
1792.0 -0.59 -1057.3				1792.0 -0.59 -1057.3						
Winter Base Points: 15006.0				Winter As-Built Points: 19648.9						
Total Winter X System = Heating Points Multiplier Points				Total X Cap X Duct X System X Credit = Heating Component Ratio Multiplier Multiplier Multiplier Points (System - Points) (DM x DSM x AHU)						
15006.0 0.6274 9414.8				(sys 1: Electric Heat Pump 35000 btuh ,EFF(7.7) Ducts:Unc(S),Unc(R),Gar(AH),R6.0 19648.9 1.000 (1.069 x 1.169 x 1.00) 0.443 1.000 10874.1 19648.9 1.00 1.250 0.443 1.000 10874.1						

WINTER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES											
.18 X Conditioned X BWPM = Points Floor Area				Type/SC	Overhang Ornt Len Hgt		Area X WPM X WOF = Points				
.18	1792.0	12.74	4109.4	Double, Clear	N	1.5	6.0	20.0	24.58	1.00	492.7
				Double, Clear	N	1.5	4.0	9.0	24.58	1.01	222.5
				Double, Clear	N	1.5	6.0	30.0	24.58	1.00	739.1
				Double, Clear	S	1.5	6.0	30.0	13.30	1.12	445.8
				Double, Clear	S	10.0	6.0	60.0	13.30	3.40	2713.5
				Double, Clear	S	1.5	6.0	15.0	13.30	1.12	222.9
				Double, Clear	W	1.5	6.0	20.0	20.73	1.02	424.3
				Double, Clear	W	1.5	4.0	6.0	20.73	1.05	131.0
				Double, Clear	E	1.5	6.0	20.0	18.79	1.04	389.2
				Double, Clear	NE	1.5	6.0	10.0	23.57	1.01	237.2
				Double, Clear	NW	1.5	6.0	10.0	24.30	1.00	243.7
				Double, Clear	E	1.5	6.0	10.0	18.79	1.04	194.6
				Double, Clear	W	1.5	6.0	10.0	20.73	1.02	212.1
				Double, Clear	SW	1.5	6.0	10.0	16.74	1.06	177.5
				Double, Clear	SE	1.5	6.0	10.0	14.71	1.10	161.2
				As-Built Total:				270.0	7007.4		
WALL TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0		1575.6	3.40		5357.0	
Exterior	1575.6	3.70	5829.7								
Base Total:				1575.6		5829.7					
				As-Built Total:		1575.6		5357.0			
DOOR TYPES Area X BWPM = Points				Type	Area X WPM = Points						
Adjacent	0.0	0.00	0.0	Exterior Insulated			20.4	8.40		171.4	
Exterior	54.4	8.40	457.0	Exterior Insulated			34.0	8.40		285.6	
Base Total:				54.4		457.0					
				As-Built Total:		54.4		457.0			
CEILING TYPES Area X BWPM = Points				Type	R-Value		Area X WPM X WCM = Points				
Under Attic	1792.0	2.05	3673.6	Under Attic	30.0		1792.0	2.05 X 1.00		3673.6	
Base Total:				1792.0		3673.6					
				As-Built Total:		1792.0		3673.6			
FLOOR TYPES Area X BWPM = Points				Type	R-Value		Area X WPM = Points				
Slab	224.0(p)	8.9	1993.6	Slab-On-Grade Edge Insulation	0.0		224.0(p)	18.80		4211.2	
Raised	0.0	0.00	0.0								
Base Total:				1993.6		224.0		4211.2			
				As-Built Total:		224.0		4211.2			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT			
INFILTRATION Area X BSPM = Points				Area X SPM = Points			
1792.0	10.21	18296.3		1792.0	10.21	18296.3	
Summer Base Points: 22474.1				Summer As-Built Points: 21826.1			
Total Summer Points	X System Multiplier	= Cooling Points		Total Component (System - Points)	X Cap Ratio (DM x DSM x AHU)	X Duct Multiplier	X System Multiplier X Credit Multiplier = Cooling Points
22474.1	0.4266	9587.5		(sys 1: Central Unit 35000 btuh ,SEER/EFF(13.0) Ducts:Unc(S),Unc(R),Gar(AH),R6.0(INS) 21826 1.00 (1.09 x 1.147 x 1.00) 0.263 1.000 7164.1 21826.1 1.00 1.250 0.263 1.000 7164.1			

SUMMER CALCULATIONS

Residential Whole Building Performance Method A - Details

ADDRESS: , , ,

PERMIT #:

BASE				AS-BUILT							
GLASS TYPES .18 X Conditioned X BSPM = Points Floor Area											
				Type/SC	Overhang Ornt Len Hgt			Area X SPM X SOF = Points			
.18	1792.0	20.04	6464.1	Double, Clear	N	1.5	6.0	20.0	19.20	0.94	360.4
				Double, Clear	N	1.5	4.0	9.0	19.20	0.88	152.3
				Double, Clear	N	1.5	6.0	30.0	19.20	0.94	540.7
				Double, Clear	S	1.5	6.0	30.0	35.87	0.86	921.2
				Double, Clear	S	10.0	6.0	60.0	35.87	0.46	994.8
				Double, Clear	S	1.5	6.0	15.0	35.87	0.86	460.6
				Double, Clear	W	1.5	6.0	20.0	38.52	0.91	703.7
				Double, Clear	W	1.5	4.0	6.0	38.52	0.82	189.0
				Double, Clear	E	1.5	6.0	20.0	42.06	0.91	767.9
				Double, Clear	NE	1.5	6.0	10.0	29.56	0.92	272.1
				Double, Clear	NW	1.5	6.0	10.0	25.97	0.93	240.4
				Double, Clear	E	1.5	6.0	10.0	42.06	0.91	383.9
				Double, Clear	W	1.5	6.0	10.0	38.52	0.91	351.9
				Double, Clear	SW	1.5	6.0	10.0	40.16	0.89	355.4
				Double, Clear	SE	1.5	6.0	10.0	42.75	0.88	377.7
				As-Built Total:			270.0			7072.0	
WALL TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Frame, Wood, Exterior	13.0			1575.6	1.50	2363.4	
Exterior	1575.6	1.70	2678.5								
Base Total: 1575.6 2678.5				As-Built Total:			1575.6			2363.4	
DOOR TYPES Area X BSPM = Points				Type				Area X SPM = Points			
Adjacent	0.0	0.00	0.0	Exterior Insulated				20.4	4.10	83.6	
Exterior	54.4	4.10	223.0	Exterior Insulated				34.0	4.10	139.4	
Base Total: 54.4 223.0				As-Built Total:			54.4			223.0	
CEILING TYPES Area X BSPM = Points				Type	R-Value			Area X SPM X SCM = Points			
Under Attic	1792.0	1.73	3100.2	Under Attic	30.0			1792.0	1.73 X 1.00	3100.2	
Base Total: 1792.0 3100.2				As-Built Total:			1792.0			3100.2	
FLOOR TYPES Area X BSPM = Points				Type	R-Value			Area X SPM = Points			
Slab	224.0(p)	-37.0	-8288.0	Slab-On-Grade Edge Insulation	0.0			224.0(p)	-41.20	-9228.8	
Raised	0.0	0.00	0.0								
Base Total: -8288.0				As-Built Total:			224.0			-9228.8	

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE SCORE* = 88.1

The higher the score, the more efficient the home.

1. New construction or existing	New	_____	12. Cooling systems	
2. Single family or multi-family	Single family	_____	a. Central Unit	Cap: 35.0 kBtu/hr _____
3. Number of units, if multi-family	1	_____		SEER: 13.00 _____
4. Number of Bedrooms	3	_____	b. N/A	_____
5. Is this a worst case?	No	_____	c. N/A	_____
6. Conditioned floor area (ft ²)	1792 ft ²	_____		_____
7. Glass type ¹ and area: (Label reqd. by 13-104.4.5 if not default)		_____	13. Heating systems	
a. U-factor:	Description Area	_____	a. Electric Heat Pump	Cap: 35.0 kBtu/hr _____
(or Single or Double DEFAULT)	7a. (Dble Default) 270.0 ft ²	_____		HSFP: 7.70 _____
b. SHGC:		_____	b. N/A	_____
(or Clear or Tint DEFAULT)	7b. (Clear) 270.0 ft ²	_____	c. N/A	_____
8. Floor types		_____	14. Hot water systems	
a. Slab-On-Grade Edge Insulation	R=0.0, 224.0(p) ft	_____	a. Electric Resistance	Cap: 50.0 gallons _____
b. N/A		_____		EF: 0.92 _____
c. N/A		_____	b. N/A	_____
9. Wall types		_____	c. Conservation credits	_____
a. Frame, Wood, Exterior	R=13.0, 1575.6 ft ²	_____	(HR-Heat recovery, Solar	_____
b. N/A		_____	DHP-Dedicated heat pump)	_____
c. N/A		_____	15. HVAC credits	_____
d. N/A		_____	(CF-Ceiling fan, CV-Cross ventilation,	_____
e. N/A		_____	HF-Whole house fan,	_____
10. Ceiling types		_____	PT-Programmable Thermostat,	_____
a. Under Attic	R=30.0, 1792.0 ft ²	_____	MZ-C-Multizone cooling,	_____
b. N/A		_____	MZ-H-Multizone heating)	_____
c. N/A		_____		_____
11. Ducts		_____		_____
a. Sup: Unc. Ret: Unc. AH: Garage	Sup. R=6.0, 55.0 ft	_____		_____
b. N/A		_____		_____

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

Builder Signature: _____ Date: _____

Address of New Home: _____ City/FL Zip: _____



**NOTE: The home's estimated energy performance score is only available through the FLA RES computer program. This is not a Building Energy Rating. If your score is 80 or greater (or 86 for a US EPA/DOE EnergyStarTM designation), your home may qualify for energy efficiency mortgage (EEM) incentives if you obtain a Florida Energy Gauge Rating. Contact the Energy Gauge Hotline at 321-638-1492 or see the Energy Gauge web site at www.fsec.ucf.edu for information and a list of certified Raters. For information about Florida's Energy Efficiency Code For Building Construction, contact the Department of Community Affairs at 850-487-1824.*

¹ Predominant glass type. For actual glass type and areas, see Summer & Winter Glass output on pages 2&4.
EnergyGauge[®] (Version: FLRCPB v4.21)

BUILDING INPUT SUMMARY REPORT

PROJECT	Title:	Aubrey Land for Ring Residen	Family Type:	Single	Address Type:	Street Address		
	Owner:	(blank)	New/Existing:	New	Lot #:	N/A		
	# of Units:	1	Bedrooms:	3	Subdivision:	N/A		
	Builder Name:	(blank)	Conditioned Area:	1792	Platbook:	N/A		
	Climate:	North	Total Stories:	1	Street:	(blank)		
	Permit Office:	(blank)	Worst Case:	No	County:	(blank)		
	Jurisdiction #:	(blank)	Rotate Angle:	(blank)	City, St, Zip:	, ,		
FLOORS	#	Floor Type	R-Val	Area/Perimeter	Units			
	1	Slab-On-Grade Edge Insulation	0.0	224.0(p) ft	1			
DOORS	#	Door Type	Orientation	Area	Units			
	1	Insulated	Exterior	20.4 ft²	1			
CEILINGS	#	Ceiling Type	R-Val	Area	Base Area	Units		
	1	Under Attic	30.0	1792.0 ft²	1792.0 ft²	1		
COOLING	#	System Type	Efficiency	Capacity				
	1	Central Unit	SEER: 13.00	35.0 kBtu/hr				
WALLS	#	Wall Type	Location	R-Val	Area	Units		
	1	Frame - Wood	Exterior	13.0	1575.6 ft²	1		
HEATING	#	System Type	Efficiency	Capacity				
	1	Electric Heat Pump	COP: 7.70	35.0 kBtu/hr				
WINDOWS	#	Panes	Tint	Ornt	Area	OH Length	OH Hght	Units
	1	Double	Clear	N	20.0 ft²	1.5 ft	6.0 ft	1
	2	Double	Clear	N	9.0 ft²	1.5 ft	4.0 ft	1
	3	Double	Clear	N	30.0 ft²	1.5 ft	6.0 ft	1
	4	Double	Clear	S	30.0 ft²	1.5 ft	6.0 ft	1
	5	Double	Clear	S	30.0 ft²	10.0 ft	6.0 ft	2
	6	Double	Clear	S	15.0 ft²	1.5 ft	6.0 ft	1
	7	Double	Clear	W	10.0 ft²	1.5 ft	6.0 ft	2
	8	Double	Clear	W	6.0 ft²	1.5 ft	4.0 ft	1
	9	Double	Clear	E	20.0 ft²	1.5 ft	6.0 ft	1
	10	Double	Clear	NE	10.0 ft²	1.5 ft	6.0 ft	1
	11	Double	Clear	NW	10.0 ft²	1.5 ft	6.0 ft	1
	12	Double	Clear	E	10.0 ft²	1.5 ft	6.0 ft	1
	13	Double	Clear	W	10.0 ft²	1.5 ft	6.0 ft	1
	14	Double	Clear	SW	10.0 ft²	1.5 ft	6.0 ft	1
15	Double	Clear	SE	10.0 ft²	1.5 ft	6.0 ft	1	
DUCTS	#	Supply Location	Return Location	Air Handler Location	Supply R-Val	Supply Length		
	1	Uncond.	Uncond.	Garage	6.0	55.0 ft		
WATER	#	System Type	EF	Cap.	Conservation Type	Con. EF		
	1	Electric Resistance	0.92	50.0	None	0.00		
REFR.	#	Use Default?	Annual Operating Cost	Electric Rate				
	1	Yes	N/A	N/A				
MISC	Rater Name:	CodeOnlyPro	Class #:	3	Pool Size:	0		
	Rater Certification #:	CodeOnlyPro	Duct Leakage Type:	N/A	Pump Size:	0.00 hp		
	Area Under Fluorescent:	0.0	Visible Duct Disconnects:	N/A	Dryer Type:	Electric		
	Area Under Incandescent:	1792.0	Leak Free Duct System Proposed:	No	Stove Type:	Electric		
	NOTE: Not all Rating info shown		HRV/ERV System Present?:	No	Avg Ceil Hgt:			

Residential System Sizing Calculation

Summary

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

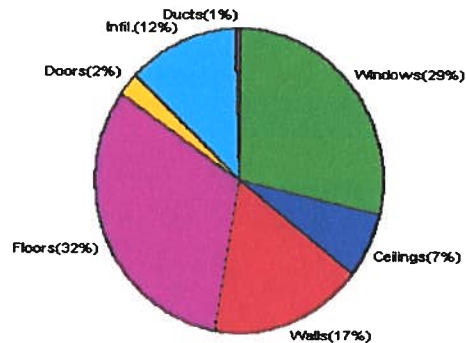
12/6/2006

Location for weather data: Tallahassee - Defaults: Latitude(30) Altitude(55 ft.) Temp Range(M)			
Humidity data: Interior RH (50%) Outdoor wet bulb (76F) Humidity difference(46gr.)			
Winter design temperature	28 F	Summer design temperature	93 F
Winter setpoint	70 F	Summer setpoint	75 F
Winter temperature difference	42 F	Summer temperature difference	18 F
Total heating load calculation	34406 Btuh	Total cooling load calculation	23013 Btuh
Submitted heating capacity	% of calc Btuh	Submitted cooling capacity	% of calc Btuh
Total (Electric Heat Pump)	101.7 35000	Sensible (SHR = 0.75)	124.5 26250
Heat Pump + Auxiliary(10.0kW)	200.9 69130	Latent	451.9 8750
		Total (Electric Heat Pump)	152.1 35000

WINTER CALCULATIONS

Winter Heating Load (for 1792 sqft)

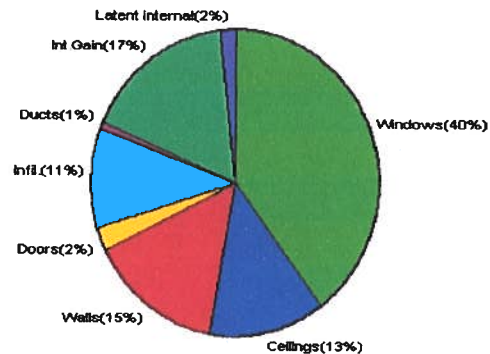
Load component		Load	
Window total	270 sqft	9866	Btuh
Wall total	1576 sqft	5874	Btuh
Door total	54 sqft	800	Btuh
Ceiling total	1792 sqft	2397	Btuh
Floor total	224 sqft	11101	Btuh
Infiltration	91 cfm	4187	Btuh
Duct loss		181	Btuh
Subtotal		34406	Btuh
Ventilation	0 cfm	0	Btuh
TOTAL HEAT LOSS		34406	Btuh



SUMMER CALCULATIONS

Summer Cooling Load (for 1792 sqft)

Load component		Load	
Window total	270 sqft	9124	Btuh
Wall total	1576 sqft	3426	Btuh
Door total	54 sqft	552	Btuh
Ceiling total	1792 sqft	3025	Btuh
Floor total		0	Btuh
Infiltration	48 cfm	945	Btuh
Internal gain		3860	Btuh
Duct gain		146	Btuh
Sens. Ventilation	0 cfm	0	Btuh
Total sensible gain		21077	Btuh
Latent gain(ducts)		44	Btuh
Latent gain(infiltration)		1492	Btuh
Latent gain(ventilation)		0	Btuh
Latent gain(internal/occupants/other)		400	Btuh
Total latent gain		1936	Btuh
TOTAL HEAT GAIN		23013	Btuh



For Florida residences only

EnergyGauge® System Sizing

PREPARED BY: 7/2/06/06

DATE: 12/6/06

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

12/6/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	34406 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34406 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 - Winter

Residential Load - Whole House Component Details

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Winter Temperature Difference: 42.0 F

12/6/2006

Component Loads for Whole House					
Window	Panes/SHGC/Frame/U	Orientation	Area(sqft) X	HTM=	Load
1	2, Clear, Metal, 0.87	N	20.0	36.5	731 Btuh
2	2, Clear, Metal, 0.87	N	9.0	36.5	329 Btuh
3	2, Clear, Metal, 0.87	N	30.0	36.5	1096 Btuh
4	2, Clear, Metal, 0.87	S	30.0	36.5	1096 Btuh
5	2, Clear, Metal, 0.87	S	60.0	36.5	2192 Btuh
6	2, Clear, Metal, 0.87	S	15.0	36.5	548 Btuh
7	2, Clear, Metal, 0.87	W	20.0	36.5	731 Btuh
8	2, Clear, Metal, 0.87	W	6.0	36.5	219 Btuh
9	2, Clear, Metal, 0.87	E	20.0	36.5	731 Btuh
10	2, Clear, Metal, 0.87	NE	10.0	36.5	365 Btuh
11	2, Clear, Metal, 0.87	NW	10.0	36.5	365 Btuh
12	2, Clear, Metal, 0.87	E	10.0	36.5	365 Btuh
13	2, Clear, Metal, 0.87	W	10.0	36.5	365 Btuh
14	2, Clear, Metal, 0.87	SW	10.0	36.5	365 Btuh
15	2, Clear, Metal, 0.87	SE	10.0	36.5	365 Btuh
Window Total			270(sqft)		9866 Btuh
Walls	Type	R-Value	Area X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1576	3.7	5874 Btuh
Wall Total			1576		5874 Btuh
Doors	Type		Area X	HTM=	Load
1	Insulated - Exterior		34	14.7	500 Btuh
2	Insulated - Exterior		20	14.7	300 Btuh
Door Total			54		800Btuh
Ceilings	Type/Color/Surface	R-Value	Area X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1792	1.3	2397 Btuh
Ceiling Total			1792		2397Btuh
Floors	Type	R-Value	Size X	HTM=	Load
1	Slab On Grade	0	224.0 ft(p)	49.6	11101 Btuh
Floor Total			224		11101 Btuh
Envelope Subtotal:					30037 Btuh
Infiltration	Type	ACH X Volume(cuft) walls(sqft)	CFM=		
	Natural	0.38 14336 1576	90.8		4187 Btuh
Ductload	(DLM of 0.005)				181 Btuh
All Zones	Sensible Subtotal All Zones				34406 Btuh

Manual J Winter Calculations

Residential Load - Component Details (continued)

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

12/6/2006

WHOLE HOUSE TOTALS

	Subtotal Sensible	34406 Btuh
	Ventilation Sensible	0 Btuh
	Total Btuh Loss	34406 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 - Winter

Residential Load - Room by Room Component Details

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults) Winter Temperature Difference: 42.0 F

12/6/2006

Component Loads for Zone #1: Main

Window	Panes/SHGC/Frame/U	Orientation	Area(sqft)	X	HTM=	Load
1	2, Clear, Metal, 0.87	N	20.0		36.5	731 Btuh
2	2, Clear, Metal, 0.87	N	9.0		36.5	329 Btuh
3	2, Clear, Metal, 0.87	N	30.0		36.5	1096 Btuh
4	2, Clear, Metal, 0.87	S	30.0		36.5	1096 Btuh
5	2, Clear, Metal, 0.87	S	60.0		36.5	2192 Btuh
6	2, Clear, Metal, 0.87	S	15.0		36.5	548 Btuh
7	2, Clear, Metal, 0.87	W	20.0		36.5	731 Btuh
8	2, Clear, Metal, 0.87	W	6.0		36.5	219 Btuh
9	2, Clear, Metal, 0.87	E	20.0		36.5	731 Btuh
10	2, Clear, Metal, 0.87	NE	10.0		36.5	365 Btuh
11	2, Clear, Metal, 0.87	NW	10.0		36.5	365 Btuh
12	2, Clear, Metal, 0.87	E	10.0		36.5	365 Btuh
13	2, Clear, Metal, 0.87	W	10.0		36.5	365 Btuh
14	2, Clear, Metal, 0.87	SW	10.0		36.5	365 Btuh
15	2, Clear, Metal, 0.87	SE	10.0		36.5	365 Btuh
	Window Total		270(sqft)			9866 Btuh
Walls	Type	R-Value	Area	X	HTM=	Load
1	Frame - Wood - Ext(0.09)	13.0	1576		3.7	5874 Btuh
	Wall Total		1576			5874 Btuh
Doors	Type		Area	X	HTM=	Load
1	Insulated - Exterior		34		14.7	500 Btuh
2	Insulated - Exterior		20		14.7	300 Btuh
	Door Total		54			800Btuh
Ceilings	Type/Color/Surface	R-Value	Area	X	HTM=	Load
1	Vented Attic/D/Shin)	30.0	1792		1.3	2397 Btuh
	Ceiling Total		1792			2397Btuh
Floors	Type	R-Value	Size	X	HTM=	Load
1	Slab On Grade	0	224.0 ft(p)		49.6	11101 Btuh
	Floor Total		224			11101 Btuh
	Zone Envelope Subtotal:					30037 Btuh
Infiltration	Type	ACH X Volume(cuft)	walls(sqft)	CFM=		
	Natural	0.38	14336	1576	90.8	4187 Btuh
Ductload	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DLM of 0.005)					181 Btuh
Zone #1	Sensible Zone Subtotal					34406 Btuh

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

12/6/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	20931 Btuh
	Sensible Duct Load	146 Btuh
	Total Sensible Zone Loads	21077 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	21077 Btuh
	Latent infiltration gain (for 46 gr. humidity difference)	1492 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	44 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1936 Btuh
	TOTAL GAIN	23013 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

System Sizing Calculations - Summer

Residential Load - Whole House Component Details

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults)

Summer Temperature Difference: 18.0 F

12/6/2006

Component Loads for Whole House

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load		
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded			
1	2, Clear, 0.87, B-M, N,N	N	1.5ft.	6ft.	20.0	0.0	20.0	22	22	448	Btuh	
2	2, Clear, 0.87, B-M, N,N	N	1.5ft.	4ft.	9.0	0.0	9.0	22	22	202	Btuh	
3	2, Clear, 0.87, B-M, N,N	N	1.5ft.	6ft.	30.0	0.0	30.0	22	22	672	Btuh	
4	2, Clear, 0.87, B-M, N,N	S	1.5ft.	6ft.	30.0	30.0	0.0	22	27	672	Btuh	
5	2, Clear, 0.87, B-M, N,N	S	10ft.	6ft.	60.0	60.0	0.0	22	27	1345	Btuh	
6	2, Clear, 0.87, B-M, N,N	S	1.5ft.	6ft.	15.0	15.0	0.0	22	27	336	Btuh	
7	2, Clear, 0.87, B-M, N,N	W	1.5ft.	6ft.	20.0	1.0	19.0	22	59	1142	Btuh	
8	2, Clear, 0.87, B-M, N,N	W	1.5ft.	4ft.	6.0	0.5	5.5	22	59	335	Btuh	
9	2, Clear, 0.87, B-M, N,N	E	1.5ft.	6ft.	20.0	1.0	19.0	22	59	1142	Btuh	
10	2, Clear, 0.87, B-M, N,N	NE	1.5ft.	6ft.	10.0	0.0	10.0	22	44	442	Btuh	
11	2, Clear, 0.87, B-M, N,N	NW	1.5ft.	6ft.	10.0	0.0	10.0	22	44	442	Btuh	
12	2, Clear, 0.87, B-M, N,N	E	1.5ft.	6ft.	10.0	0.5	9.5	22	59	571	Btuh	
13	2, Clear, 0.87, B-M, N,N	W	1.5ft.	6ft.	10.0	0.5	9.5	22	59	571	Btuh	
14	2, Clear, 0.87, B-M, N,N	SW	1.5ft.	6ft.	10.0	2.9	7.1	22	47	402	Btuh	
15	2, Clear, 0.87, B-M, N,N	SE	1.5ft.	6ft.	10.0	2.9	7.1	22	47	402	Btuh	
	Window Total				270 (sqft)					9124 Btuh		
Walls	Type	R-Value/U-Value			Area(sqft)			HTM		Load		
	1	Frame - Wood - Ext	13.0/0.09			1575.6			2.2		3426 Btuh	
	Wall Total				1576 (sqft)					3426 Btuh		
Doors	Type				Area (sqft)			HTM		Load		
	1	Insulated - Exterior				34.0			10.1		345 Btuh	
	2	Insulated - Exterior				20.4			10.1		207 Btuh	
	Door Total				54 (sqft)					552 Btuh		
Ceilings	Type/Color/Surface	R-Value			Area(sqft)			HTM		Load		
	1	Vented Attic/DarkShingle	30.0			1792.0			1.7		3025 Btuh	
	Ceiling Total				1792 (sqft)					3025 Btuh		
Floors	Type	R-Value			Size			HTM		Load		
	1	Slab On Grade	0.0			224 (ft(p))			0.0		0 Btuh	
	Floor Total				224.0 (sqft)					0 Btuh		
	Envelope Subtotal:									16127 Btuh		
Infiltration	Type	ACH			Volume(cuft)			wall area(sqft)		CFM=		
	SensibleNatural		0.20			14336			1576		90.8	
Internal gain	Occupants			Btuh/occupant			Appliance		Load			
	2			X 230			+		3400			
Duct load	(DGM of 0.007)									146 Btuh		
	Sensible Load All Zones									21077 Btuh		

Manual J Summer Calculations

Residential Load - Component Details (continued)

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

12/6/2006

WHOLE HOUSE TOTALS

Whole House Totals for Cooling	Sensible Envelope Load All Zones	20931 Btuh
	Sensible Duct Load	146 Btuh
	Total Sensible Zone Loads	21077 Btuh
	Sensible ventilation	0 Btuh
	Blower	0 Btuh
	Total sensible gain	21077 Btuh
	Latent infiltration gain (for 46 gr. humidity difference)	1492 Btuh
	Latent ventilation gain	0 Btuh
	Latent duct gain	44 Btuh
	Latent occupant gain (2 people @ 200 Btuh per person)	400 Btuh
	Latent other gain	0 Btuh
	Latent total gain	1936 Btuh
	TOTAL GAIN	23013 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

System Sizing Calculations - Summer

Residential Load - Room by Room Component Details

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

Reference City: Tallahassee (Defaults)

Summer Temperature Difference: 18.0 F

12/6/2006

Component Loads for Zone #1: Main

Window	Type*	Ornt	Overhang		Window Area(sqft)			HTM		Load
	Pn/SHGC/U/InSh/ExSh/IS		Len	Hgt	Gross	Shaded	Unshaded	Shaded	Unshaded	
1	2, Clear, 0.87, B-M, N,N	N	1.5ft.	6ft.	20.0	0.0	20.0	22	22	448 Btuh
2	2, Clear, 0.87, B-M, N,N	N	1.5ft.	4ft.	9.0	0.0	9.0	22	22	202 Btuh
3	2, Clear, 0.87, B-M, N,N	N	1.5ft.	6ft.	30.0	0.0	30.0	22	22	672 Btuh
4	2, Clear, 0.87, B-M, N,N	S	1.5ft.	6ft.	30.0	30.0	0.0	22	27	672 Btuh
5	2, Clear, 0.87, B-M, N,N	S	10ft.	6ft.	60.0	60.0	0.0	22	27	1345 Btuh
6	2, Clear, 0.87, B-M, N,N	S	1.5ft.	6ft.	15.0	15.0	0.0	22	27	336 Btuh
7	2, Clear, 0.87, B-M, N,N	W	1.5ft.	6ft.	20.0	1.0	19.0	22	59	1142 Btuh
8	2, Clear, 0.87, B-M, N,N	W	1.5ft.	4ft.	6.0	0.5	5.5	22	59	335 Btuh
9	2, Clear, 0.87, B-M, N,N	E	1.5ft.	6ft.	20.0	1.0	19.0	22	59	1142 Btuh
10	2, Clear, 0.87, B-M, N,N	NE	1.5ft.	6ft.	10.0	0.0	10.0	22	44	442 Btuh
11	2, Clear, 0.87, B-M, N,N	NW	1.5ft.	6ft.	10.0	0.0	10.0	22	44	442 Btuh
12	2, Clear, 0.87, B-M, N,N	E	1.5ft.	6ft.	10.0	0.5	9.5	22	59	571 Btuh
13	2, Clear, 0.87, B-M, N,N	W	1.5ft.	6ft.	10.0	0.5	9.5	22	59	571 Btuh
14	2, Clear, 0.87, B-M, N,N	SW	1.5ft.	6ft.	10.0	2.9	7.1	22	47	402 Btuh
15	2, Clear, 0.87, B-M, N,N	SE	1.5ft.	6ft.	10.0	2.9	7.1	22	47	402 Btuh
	Window Total				270 (sqft)					9124 Btuh
Walls	Type	R-Value/U-Value		Area(sqft)		HTM		Load		
1	Frame - Wood - Ext	13.0/0.09		1575.6		2.2		3426 Btuh		
	Wall Total				1576 (sqft)				3426 Btuh	
Doors	Type			Area (sqft)		HTM		Load		
1	Insulated - Exterior			34.0		10.1		345 Btuh		
2	Insulated - Exterior			20.4		10.1		207 Btuh		
	Door Total				54 (sqft)				552 Btuh	
Ceilings	Type/Color/Surface	R-Value		Area(sqft)		HTM		Load		
1	Vented Attic/DarkShingle	30.0		1792.0		1.7		3025 Btuh		
	Ceiling Total				1792 (sqft)				3025 Btuh	
Floors	Type	R-Value		Size		HTM		Load		
1	Slab On Grade	0.0		224 (ft(p))		0.0		0 Btuh		
	Floor Total				224.0 (sqft)				0 Btuh	
	Zone Envelope Subtotal:								16127 Btuh	
Infiltration	Type	ACH		Volume(cuft)		wall area(sqft)		CFM=		
	SensibleNatural	0.20		14336		1576		47.8		
									945 Btuh	
Internal gain	Occupants		Btuh/occupant		Appliance		Load			
	2		X 230		+		3400			
									3860 Btuh	
Duct load	Average sealed, Supply(R6.0-Attic), Return(R6.0-Attic) (DGM of 0.007)								146 Btuh	
	Sensible Zone Load								21077 Btuh	

Residential Window Diversity

MidSummer

Project Title:
Aubrey Land for Ring Residence

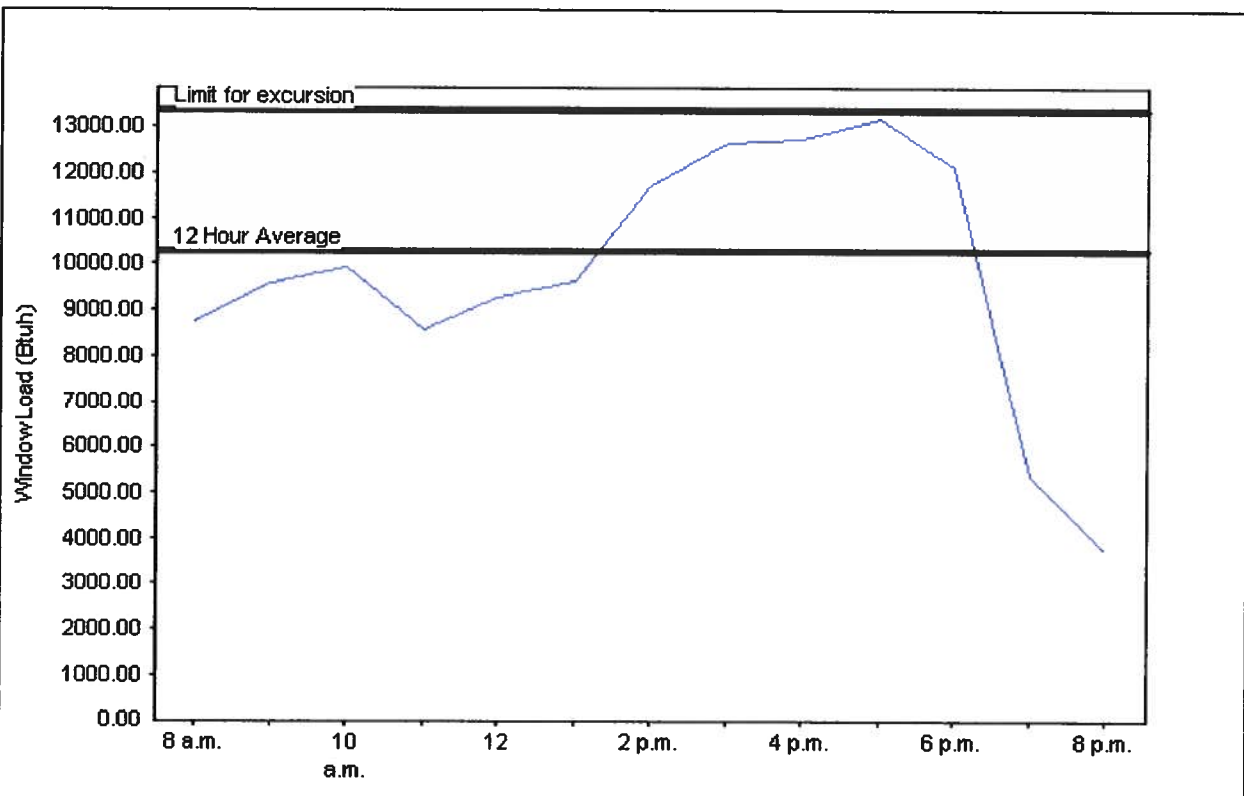
Code Only
Professional Version
Climate: North

12/6/2006

Weather data for: Tallahassee - Defaults

Summer design temperature	93 F	Average window load for July	10296 Btu
Summer setpoint	75 F	Peak window load for July	13210 Btu
Summer temperature difference	18 F	Excursion limit(130% of Ave.)	13385 Btu
Latitude	30 North	Window excursion (July)	None

WINDOW Average and Peak Loads



Total July Window Load(Radiation and conduction)

The midsummer window load for this house does not exceed the window load excursion limit.
This house has adequate midsummer window diversity.

EnergyGauge® System Sizing for Florida residences only

PREPARED BY: ndopkin

DATE: 12/6/06

EnergyGauge® FLRCPB v4.21



Summary Energy Code Results

Residential Whole Building Performance Method A

Project Title:
Aubrey Land for Ring Residence

Code Only
Professional Version
Climate: North

12/6/2006

Building Loads			
Base		As-Built	
Summer:	22474 points	Summer:	21826 points
Winter:	15006 points	Winter:	19649 points
Hot Water:	7273 points	Hot Water:	7273 points
Total:	44753 points	Total:	48748 points

Energy Use			
Base		As-Built	
Cooling:	9587 points	Cooling:	7164 points
Heating:	9415 points	Heating:	10874 points
Hot Water:	7905 points	Hot Water:	7905 points
Total:	26907 points	Total:	25943 points

PASS
e-Ratio: 0.96

Certificate of Compliance for Termite Protection
(As required by Florida Building Code (FBC) 1816.1.7)



→ 25326

17856 U.S. 129
McALPIN, FLORIDA 32062
(386) 362-3887
1-800-771-3887
Fax: (386) 364-3529

~~Ring 479 SE Dekle Rd Lake City, FL 32055~~

Address of Treatment or Lot/Block of Treatment

Soil barrier spray

Method of Termite Prevention Treatment - soil barrier, wood treatment, bait system, other
(describe)

Permit# _____

The building has received a complete treatment for the prevention of subterranean termites.
The treatment is in accordance with rules and laws established by the Florida Department of
Agriculture and Consumer Services.


Authorized Signature

ZONE A

90

POND
LONG
POND

36

ZONE X

31

32

ZONE X

0612-52

MURRAY

ROAD

6

ZONE A

5

BIRLEY

FLORIDA

ZONE A

12

ZONE A



7

8

2

TROY RD.

13

18

17

ZONE Y

70

PRODUCT APPROVAL SPECIFICATION SHEET

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

Category/Subcategory	Manufacturer	Product Description	Approval Number(s)
1. EXTERIOR DOORS	<i>Masonite</i>	<i>6 Panel</i>	<i>FL 18</i>
A. SWINGING			
B. SLIDING			
C. SECTIONAL/ROLL UP			
D. OTHER			
2. WINDOWS			
A. SINGLE/DOUBLE HUNG	<i>Better Built</i>	<i>Aluminum</i>	<i>FL 663</i>
B. HORIZONTAL SLIDER			
C. CASEMENT			
D. FIXED			
E. MULLION			
F. SKYLIGHTS			
G. OTHER			
3. PANEL WALL	<i>James Hardie</i>	<i>Hardie Board</i>	<i>FL 889.5</i>
A. SIDING	<i>Kaycan</i>	<i>Cynul</i>	<i>FL 1139</i>
B. SOFFITS	<i>Kaycan</i>	<i>Ulyng</i>	<i>FL 1146</i>
C. STOREFRONTS			
D. GLASS BLOCK			
E. OTHER			
4. ROOFING PRODUCTS	<i>Tamko</i>		<i>FL 673</i>
A. ASPHALT SHINGLES			
B. NON-STRUCT METAL			
C. ROOFING TILES			
D. SINGLE PLY ROOF			
E. OTHER			
5. STRUCT COMPONENTS			
A. WOOD CONNECTORS			
B. WOOD ANCHORS			
C. TRUSS PLATES	<i>Simpson</i>		
D. INSULATION FORMS			
E. LINTELS			
F. OTHERS			
6. NEW EXTERIOR ENVELOPE PRODUCTS			
A.			

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) performance characteristics which the product was tested and certified to comply with, 3) copy of the applicable manufacturers installation requirements. Further, I understand these products may have to be removed if approval cannot be demonstrated during inspection.


APPLICANT SIGNATURE

11-16-06
DATE

m.j.h.

King Residence, Columbia County FL

Wind Load Analysis Requirements

(In Compliance with the 2004 Florida Building Code and Amendments)

Prepared By: Marty J. Humphries, P.E. # 51976

7932 240th St., O'Brien, FL 32071

(386)935-2406

Description of New Residence:

Footprint: 69'10.5"x 52'2" overall - "L" shaped with covered front and rear porches)

(See plans by Precision Design Solutions)

Walls: 2x4-16" O.C. with 7/16" OSB sheathing minimum and hardi-board lap siding and ½" gypsum wall board interior.

Roof Structure: Pre-engineered roof trusses and 15/32" OSB or 4-ply CDX plywood sheathing

Roof Type: Gable primarily with small hip at front porch
(analyzed for 2' eave overhang and porch areas)

Foundation: footer with stemwall, with slab construction

Windload Data and Exposure:

Basic Wind Speed = 110 mph

Importance Factor = 1.0

Exposure category = B

Height and Exposure Adjustment Coefficient = 1.0

Residential Occupancy = Group R3

Analysis Method = FBC 1609.6 - Simplified Provisions for Low Rise Buildings
(see tables 1609.6A, 1609.6B, 1609.6C and 1609.6E for wind pressure values)

Mean roof height = 15'

Roof Cross Slope = 8:12, 6:12 & 4:12 (see elevations)

Eave Overhang = (Analyzed for 2' overhang and porches)

Wall Height = 8'

Shear Wall locations = exterior walls only (all walls 3' in length or greater) & shared wall
between Garage & Great Room

Bracing method for gable locations = framing from wall to roof diaphragm (see attached detail)

Nailing Pattern Requirements:

Wall sheathing: Shall be 7/16" Oriented Strand Board (OSB) minimum nailed with 8d common nails 3" on center around edges (including around doors and windows) and 6" on center interior. Full depth blocking shall be required at horizontal joints in sheathing.

Roof sheathing: Shall be 15/32" Oriented Strand Board (OSB) or 15/32" 4-ply CDX plywood nailed with 8d common nails 3" on center at panel ends and overhang areas and 6" on center elsewhere.

Top wall plate: Nail with 1-16d common nail 12" O.C. (average)

Marty J. Humphries
8-30-06

Strapping and Anchor Requirements:

truss to exterior wall plate porch beam locations: Install one Simpson model H10 hurricane anchor each location for trusses greater than 10' in length. For trusses 10' or shorter install Simpson H2.5A each location. At hip trusses install Simpson model HCP.

wall strap tie requirements: at top and bottom of wall install one Simpson model SP4 at each side of each door and window 4' or less in width. At top and bottom of wall for windows and doors larger than 4' in width install two Simpson model SP4's each side of each opening. All other wall locations install SP4's top and bottom of wall 4' on center. At garage door opening install 3 full studs each side with 3 Simpson model SPH4's installed at top and bottom of wall.

Porch Columns: Install Simpson model ABU44 and Simpson model AC4Max (ACE4Max may be used for end columns)

Lookouts: Install one Simpson model H5 where lookouts connect to end gable truss.

Gable end: Install one LSTA18 - 4' on center connecting gable end truss to wall framing.

Fake Dormers: (See attached detail)

Gable End Bracing Requirements:

At each gable end install one 2x4 SPF 8' stud spaced 6' on center horizontal along top of bottom chord of trusses, nail with 2-12d nails at each truss including end truss. In addition, install a 2x4 brace extending from this stud at the gable end truss approx. 45 degrees to truss at roof sheathing, nail with 2 -12d nails where it crosses truss members and at ends. Gable end trusses shall be built to receive sheathing with vertical members 2' on center. Vertical members of gable end truss greater than 5' in height shall be stiffened with one 2x4 SPF nailed with 12d nails 8" on center to back of vertical member. (See attached detail)

Foundation Requirements:

(See attached details)

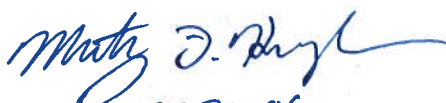
Header Requirements:

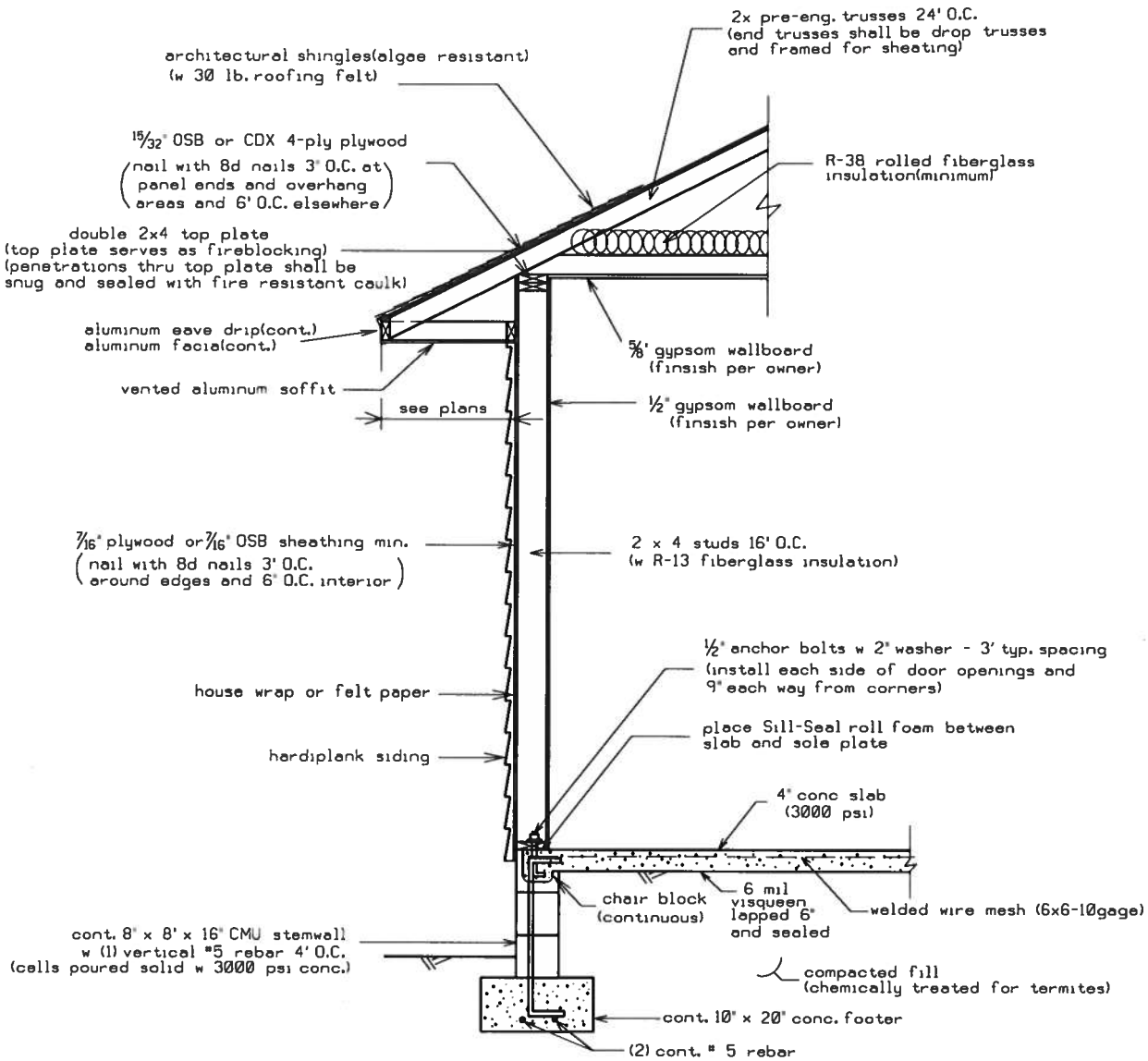
Windows & Doors: 2 - #2 SYP 2x12's with 1/2" plywood/OSB between.

Porch Beams: 2-#2 SYP 2x10's with 1/2" plywood/OSB between.

Garage Header: 2-#2 SYP 2x12's with 1/2" plywood/OSB between.

Note: Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.


8-30-06

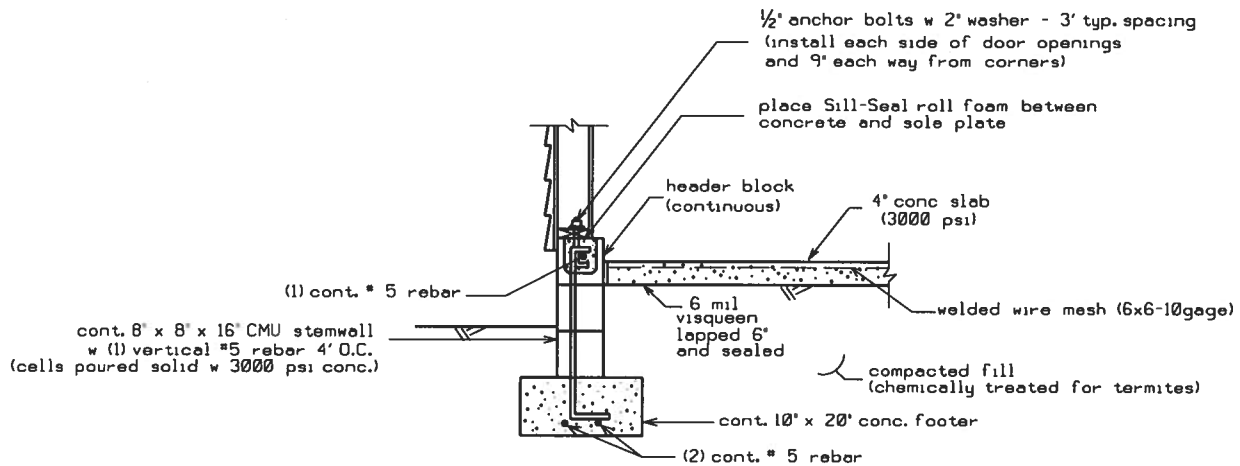


TYPICAL WALL DETAIL(N.T.S.)

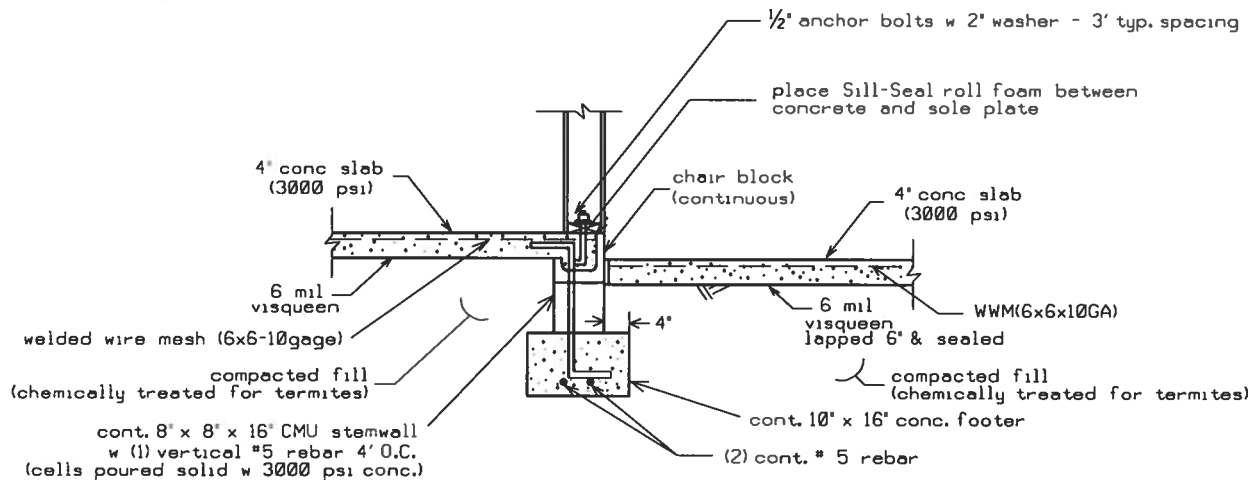
Marty J. Humphries
8-30-06

mjh
Ring Residence
Columbia County, FL

DETAIL PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071



EXTERIOR WALL GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)

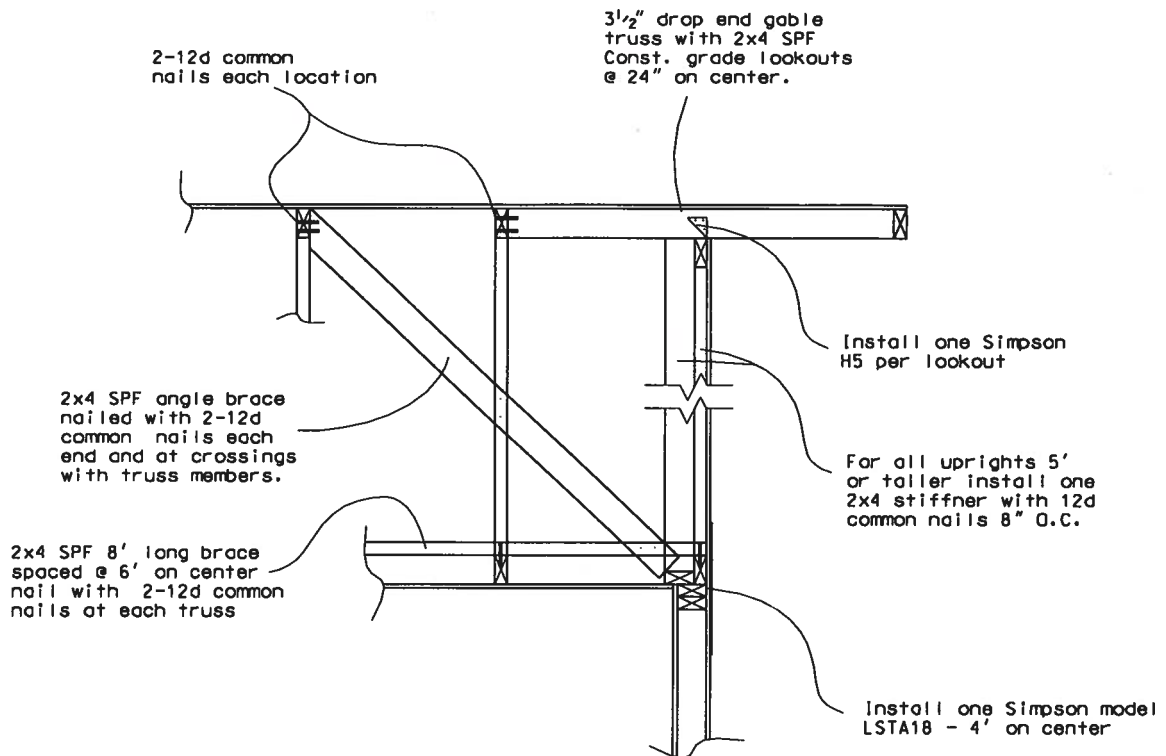


INTERIOR GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)

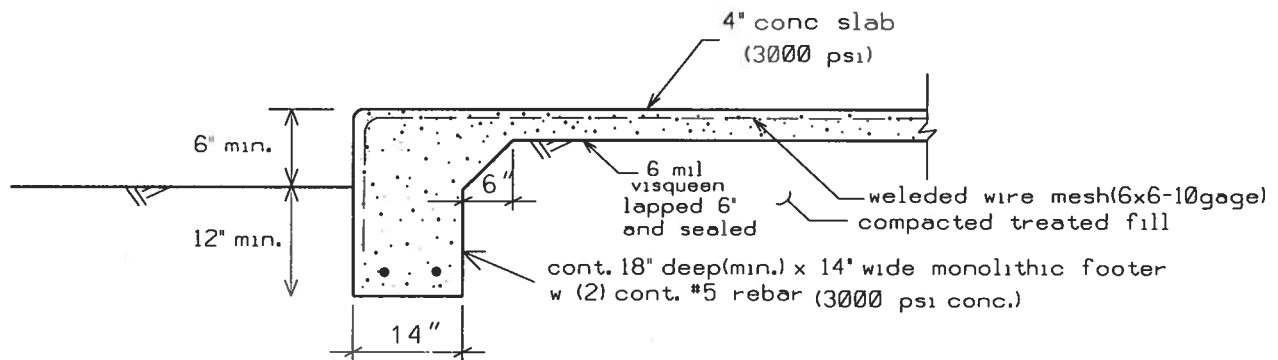
Marty J. Humphries
8-30-06

m.j.h.
Ring Residence
Columbia County, FL

DETAIL PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071



GABLE END BRACING DETAIL (N.T.S.)

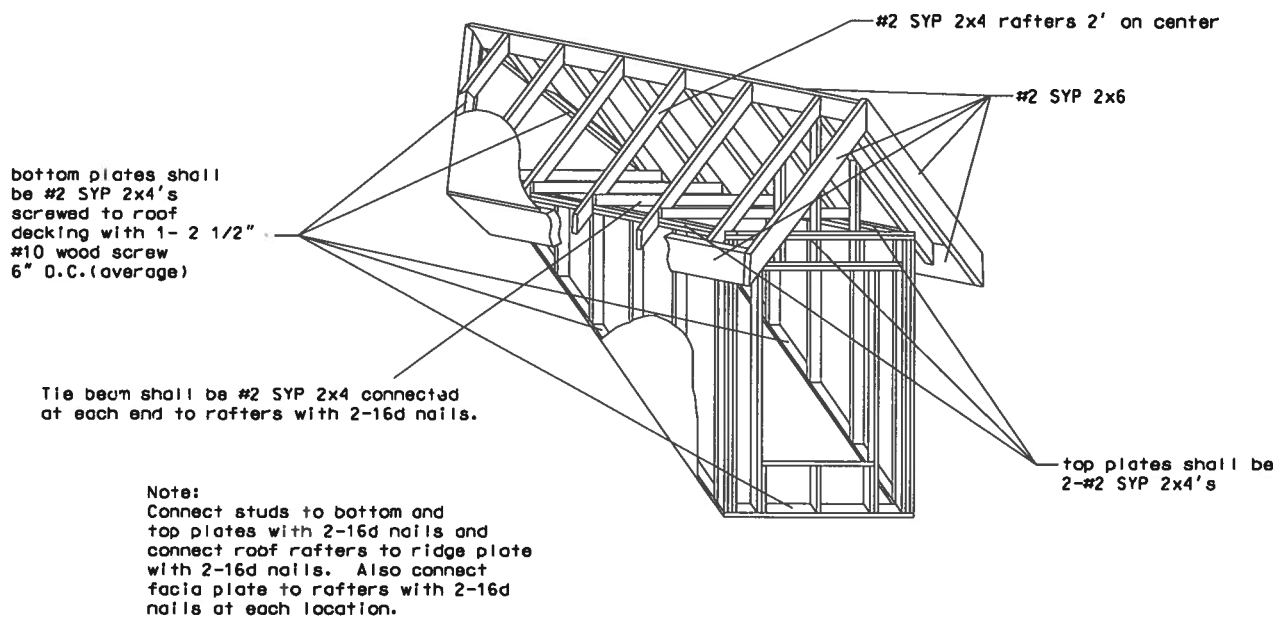


PORCH FOUNDATION DETAIL N.T.S.

Marty J. Humphries
8-30-06

m.j.h.
Ring Residence
Columbia County, FL

DETAIL PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071



DORMER FRAMING DETAIL

Marty J. Humphries
8-30-06

mjh
Ring Residence
Columbia County, FL

DETAIL PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
7932 240TH ST., O'BRIEN, FL 32071

Atten: Weigel

**Columbia County Building Department
Culvert Waiver**

**Culvert Waiver No.
000001282**

DATE: 12/21/2006 BUILDING PERMIT NO. 25326
APPLICANT AUBREY LAND PHONE 386-590-4830
ADDRESS 654 SE JIM LAND RD MAYO FL 32066
OWNER IAN AND ANDREA RING PHONE _____
ADDRESS 479 SW DEKLE RD LAKE CITY FL 32024
CONTRACTOR AUBREY LAND PHONE 386-590-4830
LOCATION OF PROPERTY 90 WEST, L 252, L DEKLE RD, ABOUT 400 YARDS ON THE LEFT
SEE GATED ENTRANCE, FOLLOW TO THE BACK

SUBDIVISION/LOT/BLOCK/PHASE/UNIT _____

PARCEL ID # 07-4S-16-02804-001

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

SIGNATURE: _____

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00

PUBLIC WORKS DEPARTMENT USE ONLY

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

APPROVED ✓ NOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: Needs Culvert 15" X 21" X 32'

SIGNED: Euto Plutgers DATE: 1-4-07

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

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

RECEIVED

DEC 22 2006

By: _____



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 07-4S-16-02804-001

Building permit No. 000025326

Use Classification SFD, UTILITY

Fire: 16.74

Permit Holder AUBREY LAND

Waste: 50.25

Owner of Building IAN AND ANDREA RING

Total: 66.99

Location: 479 SE DEKLE RD, LAKE CITY, FL

Date: 07/23/2007

Sherry Becker

Building Inspector

POST IN A CONSPICUOUS PLACE
(Business Places Only)



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
Page 1 of 1 Document ID:1T0F215-Z0107131517

Truss Fabricator: W.B. Howland
Job Identification: 3781-/Aubrey Land/Ring Residenc /CONTRACTOR -- Columbia County, FL
Truss Count: 42
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Version 7.25.
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 - 32.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -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: HCUSR215

Details: A11015EE-GBLLETIN-CNBRGBLK-A11015EC-BRCLBSUB-

Seal Date: 09/07/2006

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

#	Ref	Description	Drawing#	Date
1	38745--A1GE		06250006	09/07/06
2	38746--A2		06250007	09/07/06
3	38747--A3		06250008	09/07/06
4	38748--B1GE		06250001	09/07/06
5	38749--B2		06250009	09/07/06
6	38750--B3G (2-PLY)		06250025	09/07/06
7	38751--C1GE		06250011	09/07/06
8	38752--C2SR		06250012	09/07/06
9	38753--C3		06250002	09/07/06
10	38754--C4G (2-PLY)		06250026	09/07/06
11	38755--D1SR		06250020	09/07/06
12	38756--D2G (2-PLY)		06250027	09/07/06
13	38757--D3		06250009	09/07/06
14	38758--D4		06250001	09/07/06
15	38759--D5G (2-PLY)		06250028	09/07/06
16	38760--D6		06250010	09/07/06
17	38761--D7G (2-PLY)		06250030	09/07/06
18	38762--D8		06250011	09/07/06
19	38763--D9		06250002	09/07/06
20	38764--D10		06250012	09/07/06
21	38765--D11		06250013	09/07/06
22	38766--D12		06250014	09/07/06
23	38767--D13		06250015	09/07/06
24	38768--D14		06250016	09/07/06
25	38769--D15		06250017	09/07/06
26	38770--D16GE		06250018	09/07/06
27	38771--DGRD-1		06250019	09/07/06
28	38772--DGRD-2		06250022	09/07/06
29	38773--DGRD-3		06250021	09/07/06
30	38774--JC1		06250023	09/07/06
31	38775--JC3		06250003	09/07/06
32	38776--JC5		06250004	09/07/06
33	38777--JC7		06250005	09/07/06
34	38778--JE9		06250005	09/07/06
35	38779--JE9A		06250006	09/07/06
36	38780--JE9B		06250007	09/07/06

#	Ref	Description	Drawing#	Date
37	38781--JE9C		06250003	09/07/06
38	38782--JH13		06250024	09/07/06
39	38783--M1GE		06250010	09/07/06
40	38784--M2		06250004	09/07/06
41	38785--PB-D1		06250029	09/07/06
42	38786--PBGE1		06250008	09/07/06



Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0405 & GBLLTIN0405 for more requirements.

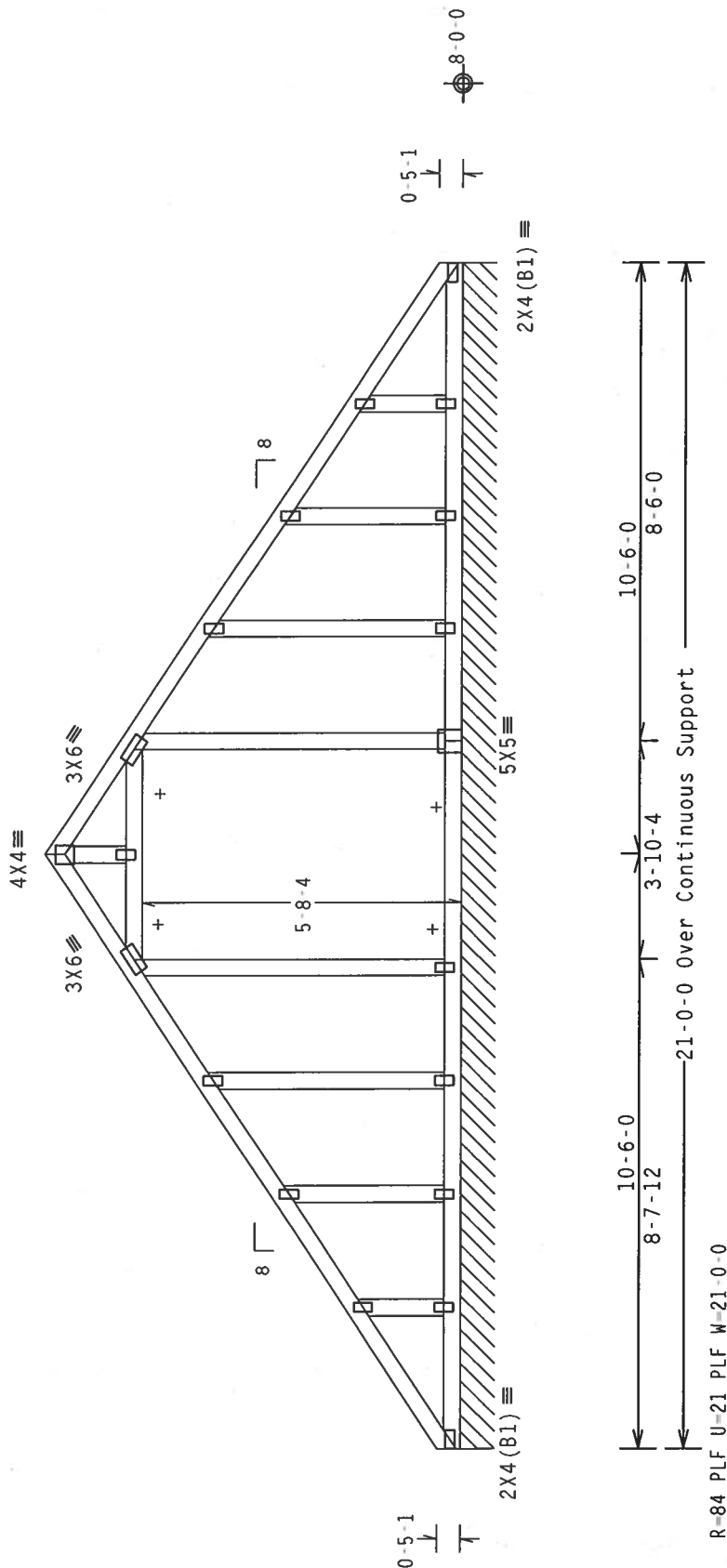
Deflection meets L/360 live and L/240 total load.

The building designer is responsible for the design of the roof and ceiling diaphragms, gable end shear walls, and supporting shear walls. Shear walls must provide continuous lateral restraint to the gable end. All connections to be designed by the building designer.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 7.5-1.

+ Member to be laterally braced for horizontal wind loads. Bracing system to be designed and furnished by others.



Note: All Plates Are 2X4 Except As Shown.

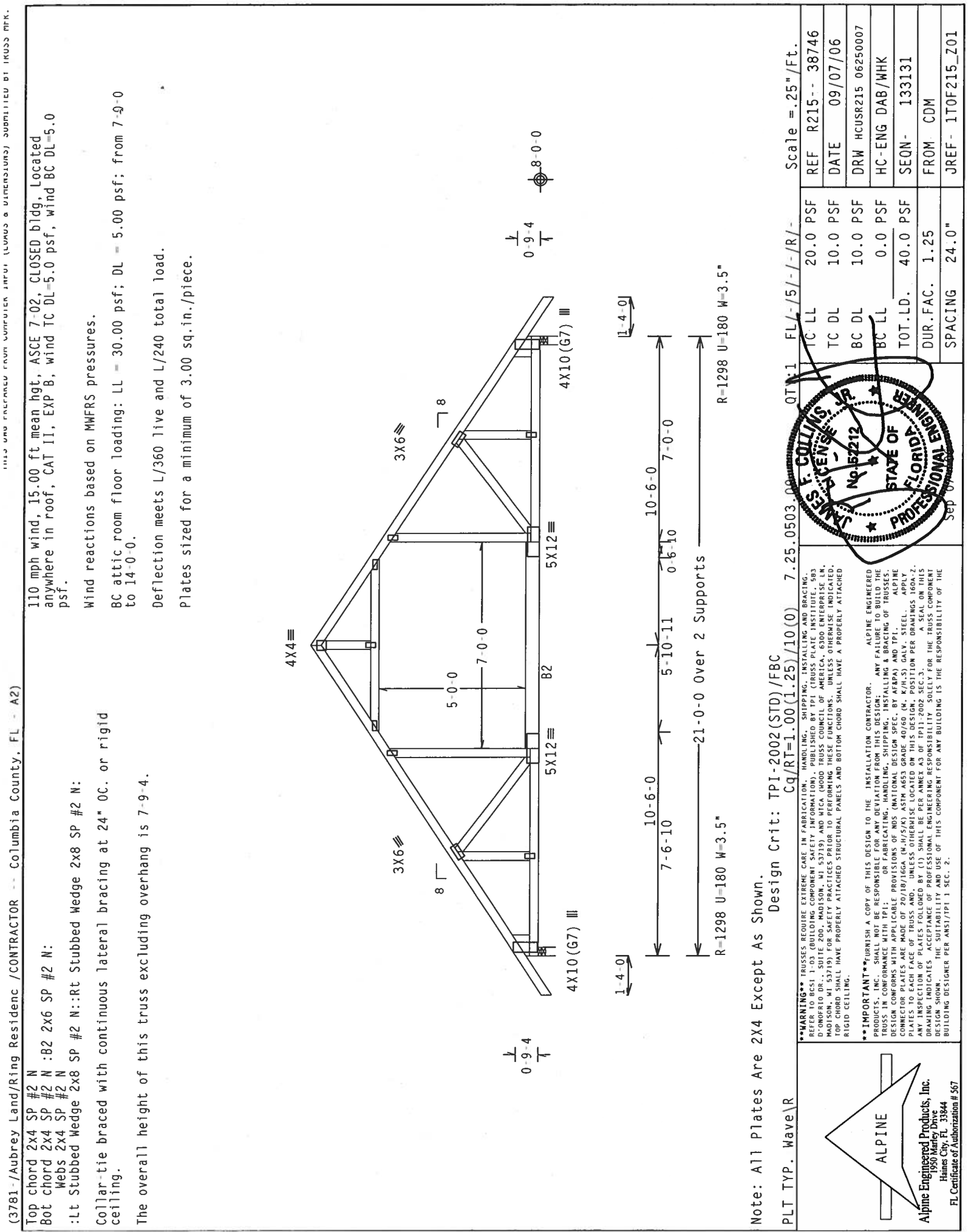
Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

$$Ca/RT = 1.00(1.25)/10(0) \quad 7.25.0503$$

Scale = .3125" / Ft.

[illegible]



(3781)-Aubrey Land/Ring Residenc /CONTRACTOR -- Columbia County, FL - A2)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2 2x6 SP #2 N:
Webs 2x4 SP #2 N
:Lt Stubby Wedge 2x8 SP #2 N::Rt Stubby Wedge 2x8 SP #2 N:

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

The overall height of this truss excluding overhang is 7-9-4.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 7-9-0 to 14-0-0.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

Scale = .25"/Ft.

REF R215-- 38746

DATE 09/07/06

DRW HCUR215 06250007

HC-ENG DAB/WHK

SEQN- 133131

FROM CDM

JREF- 1T0F215_Z01

PLT TYP. Wave\R

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

QT:1 FL/-/5/-/-/R/-

Scale = .25"/Ft.

21-0-0 Over 2 Supports

R=1298 U=180 W=3.5"

R=1298 U=180 W=3.5"

10-6-0 7-6-10 5-10-11 10-6-0 7-0-0

4X4= 3X6= 5X12= 4X10(G7) III 4X10(G7) III

0-9-4 0-9-4 0-9-4

1-4-0 1-4-0

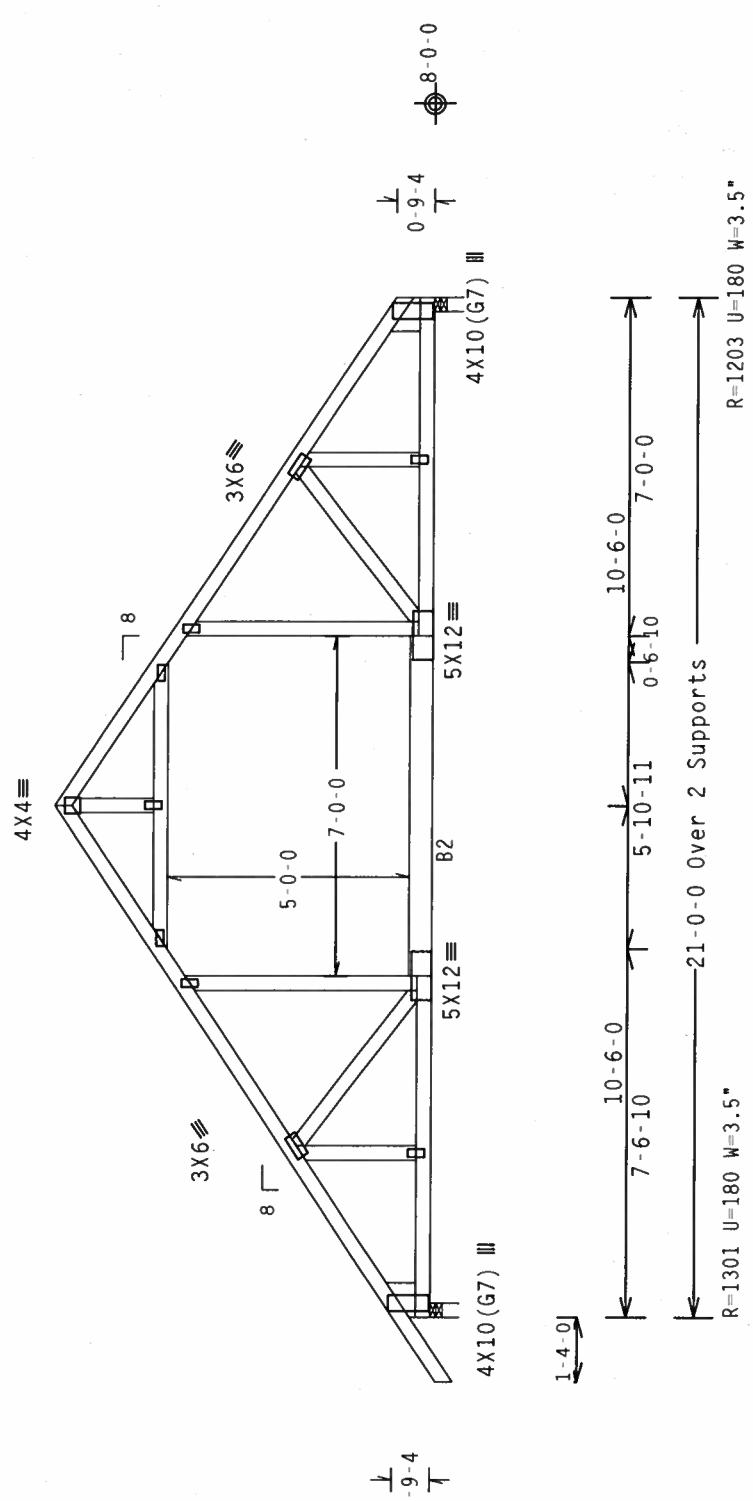
8 8

5-0-0 7-0-0

(3781 /Aubrey Land/Ring Residenc /CONTRACTOR -- Columbia County, FL - A3)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N :B2 2x6 SP #2 N:
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x8 SP #2 N::Rt Stubbed Wedge 2x8 SP #2 N:
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.
The overall height of this truss excluding overhang is 7-9-4.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
Wind reactions based on MMFRS pressures.
BC attic room floor loading: LL = 30.00 psf; DL = 5.00 psf; from 7-0-0 to 14-0-0.
Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave|R

Scale = .25"/Ft.

REF	R215--	38747
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"	

FL/-/5/-/-/R/-

Scale = .25"/Ft.

REF R215-- 38747

DATE 09/07/06

DRW HCUSR215 06250008

HC-ENG DAB/WHK

SEQN- 133139

FROM CDM

JREF- 1T0F215_Z01

ALPINE
Engineered Products, Inc.
1950 Marney Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE ENGINEERED PRODUCTS, INC. PROFESSIONAL ENGINEER
No. 17227
Sep 07 '06

FLORIDA
STATE OF
PROFESSIONAL ENGINEER

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord
outlookers. Cladding load shall not exceed 0.00 PSF. Top chord
must not be cut or notched.

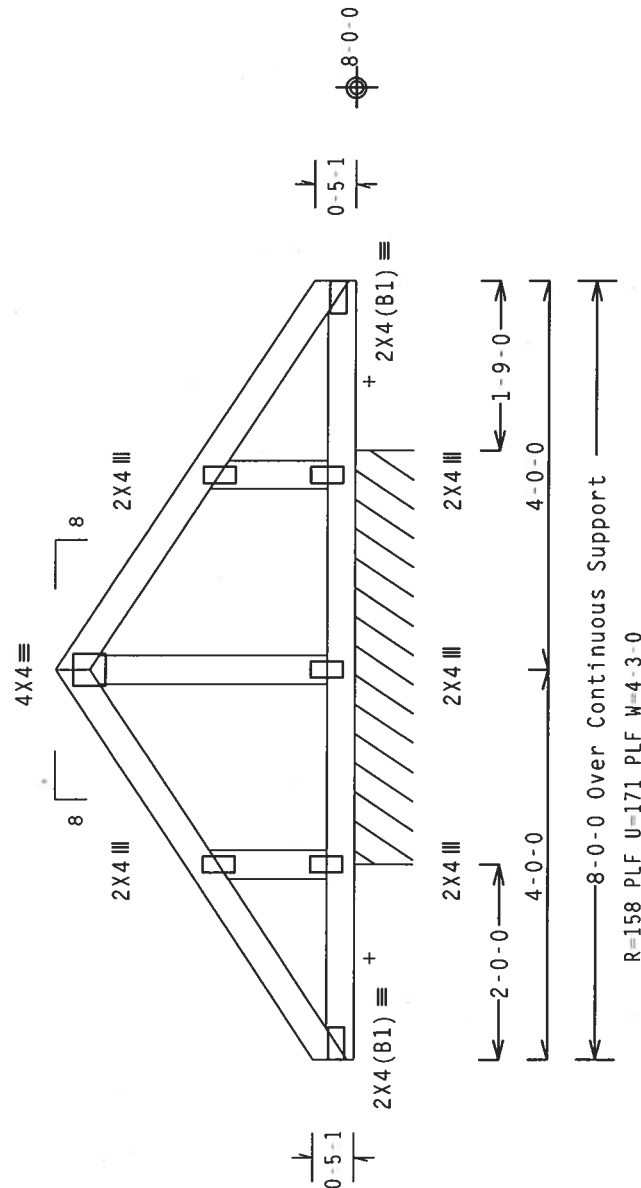
Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

See DWGS A11015EE0405 & GBULLETIN0405 for more requirements.

The overall height of this truss excluding overhang is 3-1-1.

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

+ MEMBER TO BE Laterally Braced for Horizontal Wind Loads.
Bracing System to be Designed and Furnished by Others.



Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

QTY:1 FL/-/5/-/-/R/-/

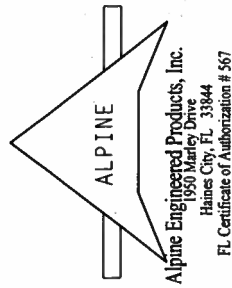
503 0000

$$C_q/RT=1.00(1.25)/10(0)$$

PLT TYP. Wave/R

WARNING TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 983 N. O'NEAL RD., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719), FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TPI1 OR ANY OTHER PROVISIONS OF ADOPTED NATIONAL DESIGN SPEC. BY AIAA3 AND TPI1 SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER. THE BUILDING DESIGNER SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENTS OF THIS COMPART FOR ANY BUILDING. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIAA3 TPI1 1 SEC. 2.



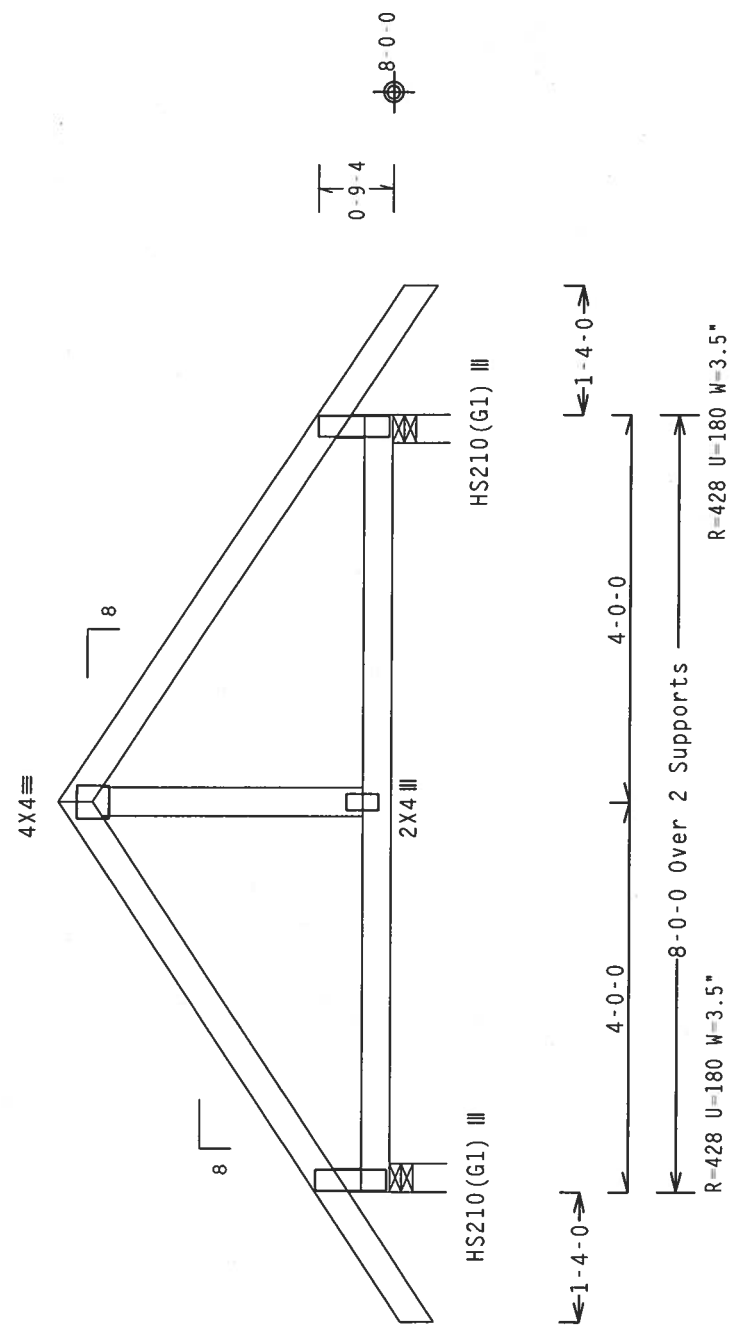
TC LL	20.0 PSF	REF R215-- 38748
TC DL	10.0 PSF	DATE 09/07/06
BC DL	10.0 PSF	DRW HCUSR215 06250001
BC LL	0.0 PSF	HC-ENG JK/WHK
TOT.LD.	40.0 PSF	SEQN- 134658
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T0F215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x4 SP #2 N::Rt Stubbed Wedge 2x4 SP #2 N:
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 3-5-4.



PLT TYP. 20 Gauge HS.Wave\R

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.25.0503

FL/-/5/-/-/R/-

Scale = 5"/Ft.

REF R215-- 38749

DATE 09/07/06

DRW HCUSR215 06250009

HC-ENG JK/WHK

SEQN- 134661

FROM CDM

JREF- 1T0F215_Z01

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"

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

STATE OF FLORIDA

PROFESSIONAL ENGINEER

SEP 07 06

(3781 - Aubrey Land/Ring Residence /CONTRACTOR -- Columbia County, FL - B3G (2-PLY))

Top chord 2x4 SP #2 N

Bot chord 2x6 SP #2 N

Webs 2x4 SP #2 N

:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

:Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.500'

SPECIAL LOADS

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

TC - From 64 PLF at 0.00 to 64 PLF at 8.00

BC - From 20 PLF at 0.00 to 20 PLF at 8.00

BC - 2484 LB Conc. Load at 1.85, 3.85, 5.85

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)

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

Bot Chord: 2 Rows @ 3.50" o.c. (Each Row)

Webs : 1 Row @ 4" o.c.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 3'-5.4".

4x5 (A3) III

3x4 III

3x6 III

4x5 (R) III

3x4 III

3x5 III

5x8 III

3x5 III

4x5 (A3) III

8'-0.0

4'-0.0

4'-0.0

8'-0.0 Over 2 Supports

R-4203 U-452 W=3.5"

R-3921 U-422 W=3.5"

0'-9.4

0'-9.4

0'-8.0-0

PLT TYP. Wave\R

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0)

7.25.0503

Scale = 5" / Ft.

OT: 1

FL / - / 5 / - / - / R / -

REF R215 -- 38750

DATE 09/07/06

DRW HCUSR215 06250025

HC-ENG DAB/WHK

SEQN- 133149

FROM CDM

JREF- 1T0F215_Z01

SPACING 24.0"

DUR.FAC. 1.25

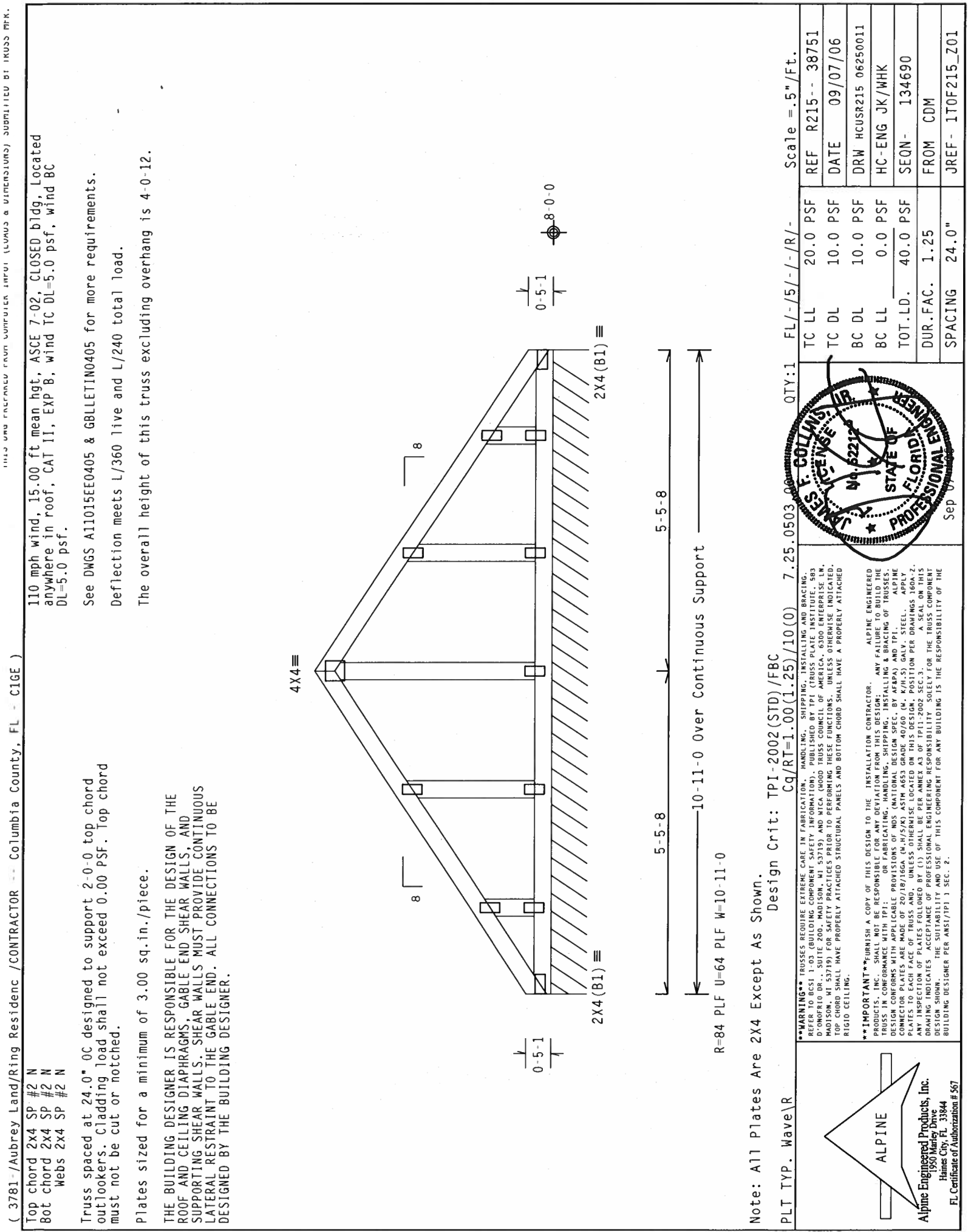
TOT.LD. 40.0 PSF

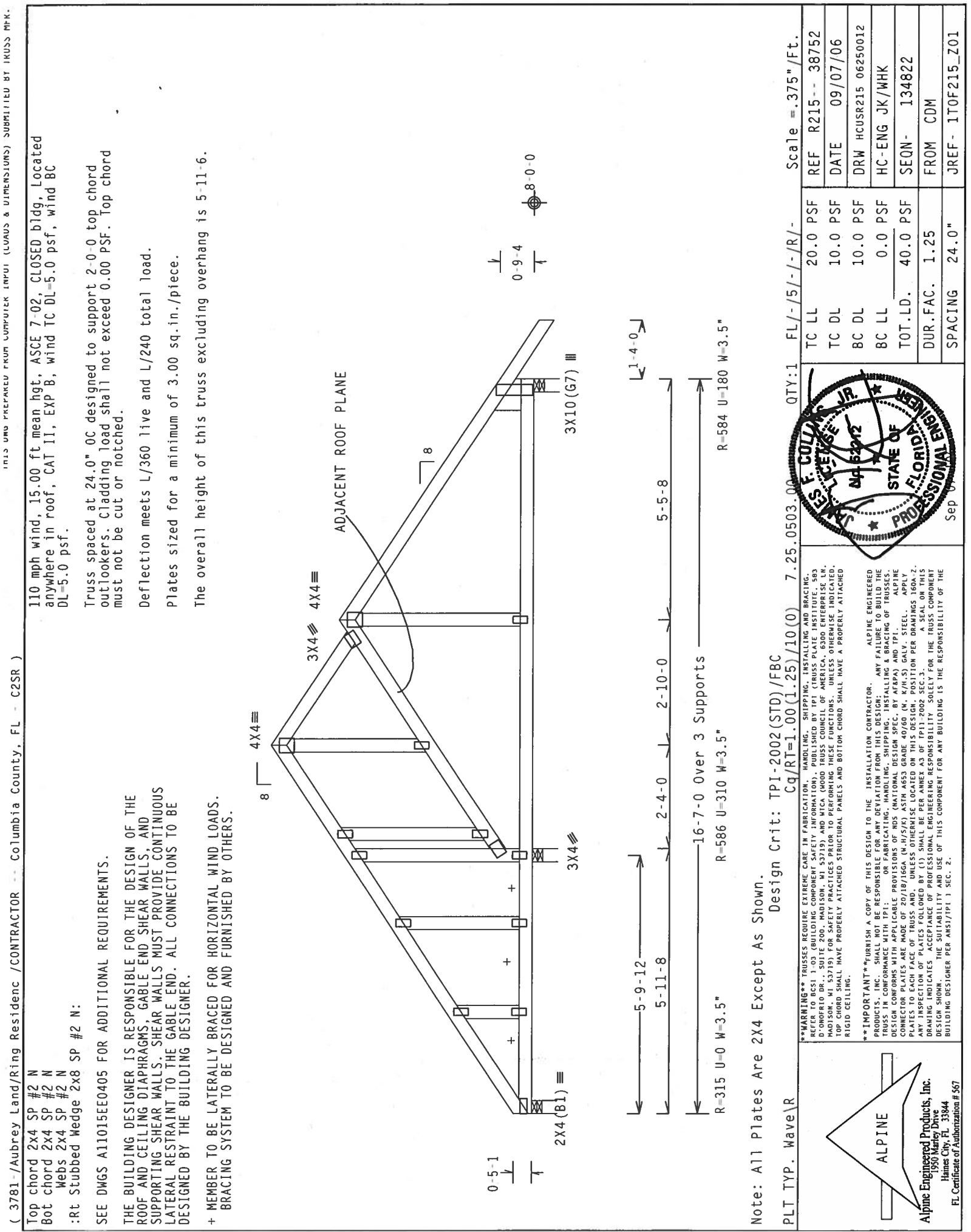
BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF





(3781-/Aubrey Land/Ring Residenc /CONTRACTOR -- Columbia County, FL - C2SR)

THIS DWG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY IKUSS PHK.

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outloaders. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

Deflection meets L/360 live and L/240 total load. Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 5-11-6.

SEE DWGS A11015EE0405 FOR ADDITIONAL REQUIREMENTS.

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

+ MEMBER TO BE Laterally Braced For Horizontal Wind Loads. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Rt Stubby Wedge 2x8 SP #2 N:

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

PLT TYP. Wave\R

Note: All Plates Are 2X4 Except As Shown.

Scale = .375"/Ft.

QTY:1 FL/- /5/- /- /R/-

REF R215 -- 38752
DATE 09/07/06
DRW HCUSR215 06250012
HC-ENG JK/WHK
SEQN- 134822
FROM CDM
JREF- 1T0F215_Z01

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

SEP 07 2006
F. COLLINS JR.
STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 52072

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE TO ORDER. PROVIDE TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, APPLY PLATES ON PERMANENTLY ATTACHED PANELS. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

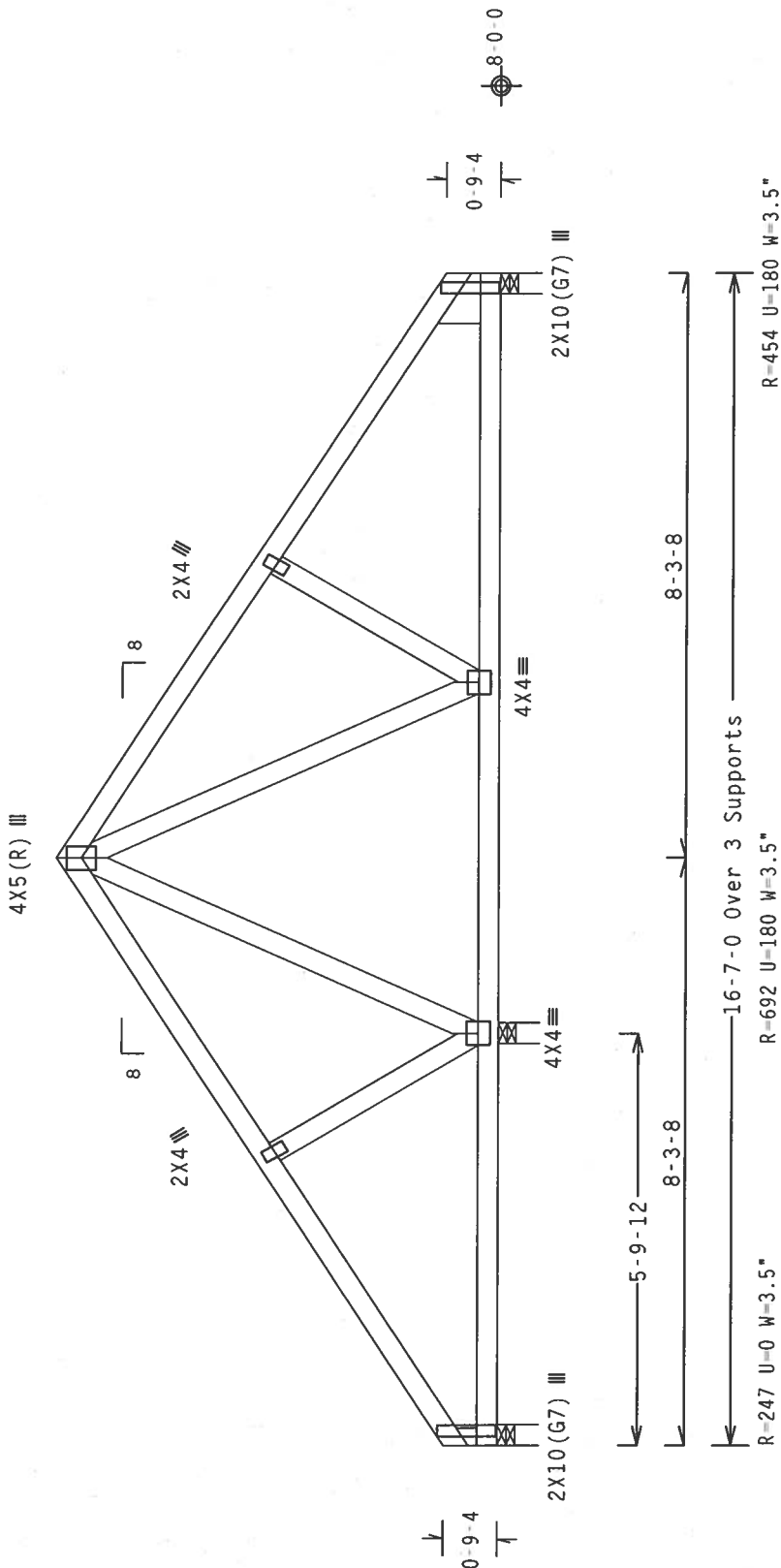
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

:Lt Stubb'd Wedge 2x4 SP #2 N::Rt Stubb'd Wedge 2x8 SP #2 N:

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

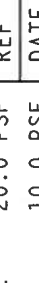
The overall height of this truss excluding overhang is 6-3-10.



Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/-
Scale = .375" / Ft.

PLT TYP. Wave\ R



Alpine Engineered Products, Inc.
 1950 Marney Drive
 Gaines City, FL 32644
 FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 BUILDING COMPONENT SAFETY INFORMATION. TRUSS COMPANY: (PRESS PLATE INSTITUTE); 583 D'ORFELIO DR., SUITE 200, MADISON, MI 48219, AND MTC (WOOD TRUSS COMPANY); 10000 W. GREENWICH LN., MADISON, MI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE NOTICED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THIS DESIGN OR FOR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING THE TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TP11. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (W./H./K) ASTM A653 GRADE 40/60 (W. /H./S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP1 1 SEC. 2.



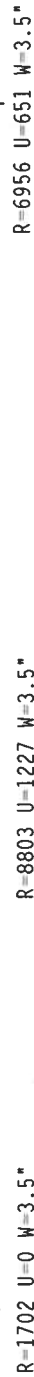
James F. Collins, Jr.
 State of Florida
 Professional Engineer
 License No. 62212

Sep 07

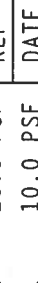
TC LL	20.0	PSF	REF R215--	38753
TC DL	10.0	PSF	DATE	09/07/06
BC DL	10.0	PSF	DRW HCUSR215	06250002
BC LL	0.0	PSF	HC-ENG JK/WHK	
TOT. LD.	40.0	PSF	SEQN-	134810
DUR.-FAC.	1.25		FROM	CDM
SPACING	24.0"		JREF-	1TOF215_201

1800

Plates sized for a minimum of 3.00 sq.in./piece.


$$Cq/RT=1.00(1.25)/10(0) \quad 7.25.0503.00$$

Scale = .375"/Ft.



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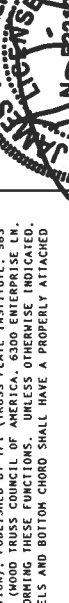
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W, K/H, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

REF	R215--	38754	
DATE	09/07/06		
DRW	HCUSR215	06250026	
	HC-ENG	DAB/WHK	
	SEQN-	133145	
	FROM	CDM	
	JREF-	1T0F215_Z01	

TCLL	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"		



James F. Collins
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 82212
 Exp. 9/2006

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N
:Lt Stubbed Wedge 2x8 SP #2 N:

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Plates sized for a minimum of 3.00 sq.in./piece.
Gable end supports 8" max rake overhang.

See DWGS A11015EC1103 & GBLLETIN0405 for more requirements.

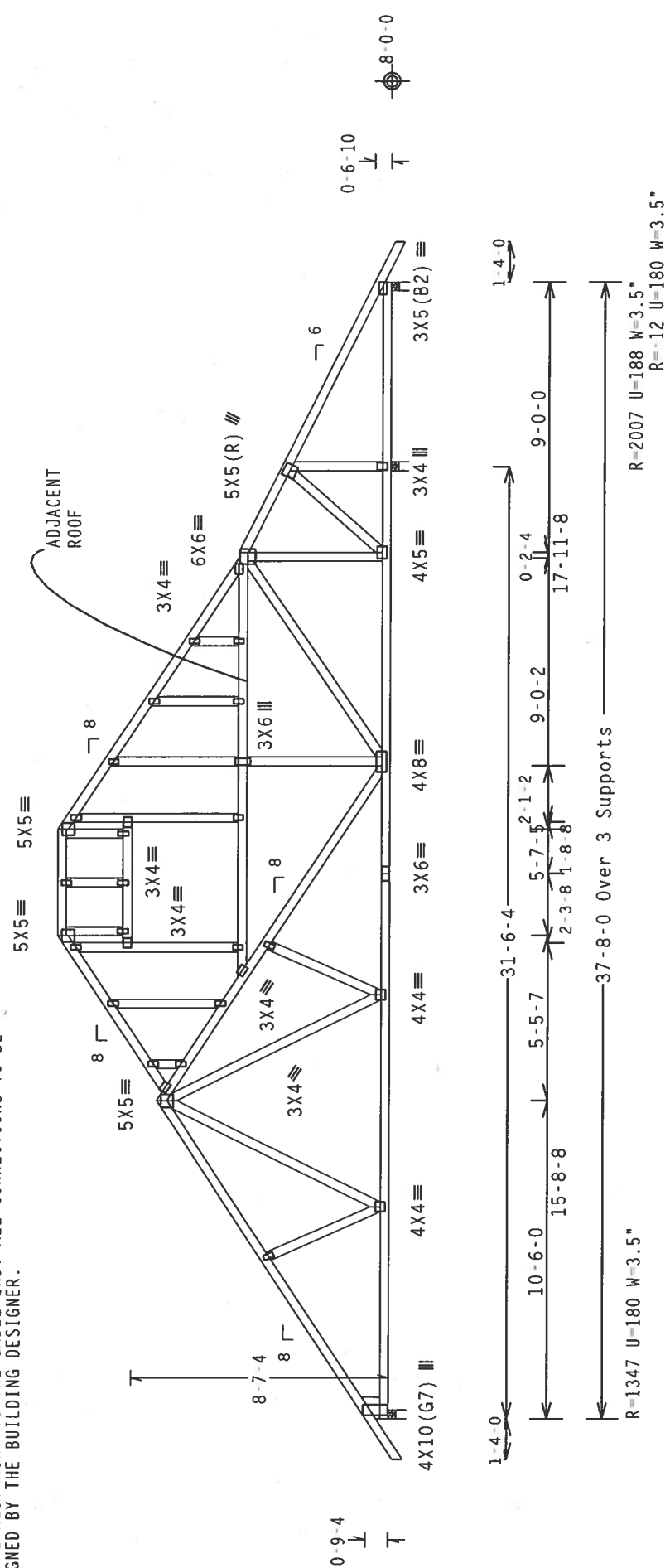
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11'-0"-11'.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

Scale = .1875"/Ft.

ALPINE

Alpine Engineered Products, Inc.
1950 Main Street
Haines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 543 O'DONELLO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO HANDING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFSA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W./I./S/K) ASTM A653 GRADE 40/60 (W. K./H./S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANEAS A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.

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 R215-- 38755

DATE 09/07/06

DRW HCUSR215 06250020

HC-ENG DAB/JWHK

SEON- 133114

FROM CDM

JREF- 1TOF215_Z01

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 1 Row @ 9.00" o.c.
 Webs : 1 Row @ 4" o.c.

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

(**) 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 7-02, CLOSED bldg, not located within 4.56 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

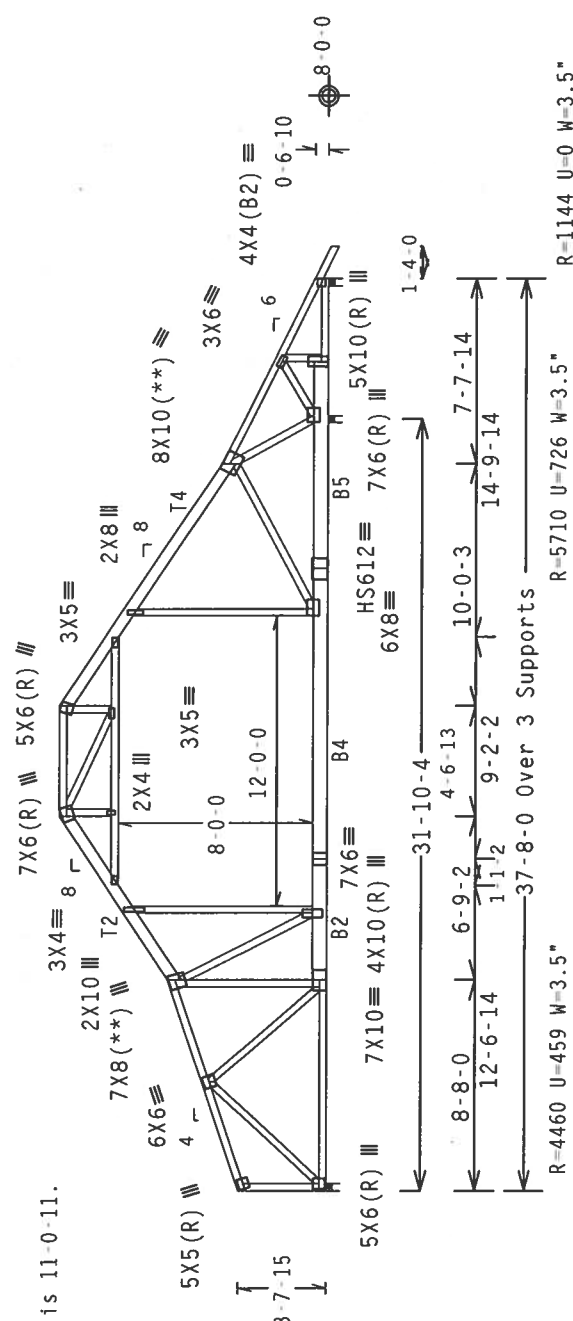
Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.12" due to live load and 0.16" due to dead load.

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

Trusses to be spaced at 48.8" OC maximum.

Plates sized for a minimum of 3.00 sq.in./piece.



R=4460 U=459 W=3.5"

R=1144 U=0 W=3.5"

Design Crit: TPI-2002(STD)/FBC

Scale = .125"/Ft.

QTY:1 FL/-/5/-/-/R/-

0503 0000

0) 7.2

$$Cq/RT=1.00(1.25)/$$

1

have/R

PLT TYP. 20 Gauge HS

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 S. D'AMICO RD., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE IN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

***IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. DESIGNER, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO THE BUILDING OR THE DESIGN CONFORMS WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALL, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MOD (NATIONAL DESIGN SPEC. BY AISC) CONNECTOR PLATES ARE MADE OF 20/18/16GA (H/WS/K) ASTM A653 GRADE 40/60 (H. POS) PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THIS DESIGN. PRIOR TO ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC. 1 DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLE DESIGNER SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS BUILDING DESIGNER PER ANNEX/TPII 1 SEC. 2

ALPINE ENGINEERS
ANY FAILURE TO BUILD THE
G & BRACING OF TRUSSES
AND TPI. ALPINE
GALV. STEEL. APPLY
TION PER DRAWINGS 160A-2.
A SEAL ON THIS
FOR THE TRUSS COMPONENT
THE RESPONSIBILITY OF THE

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12586
Sep 01, 2008

TC LL	20.0 PSF	REF	R215--	38756
TC DL	10.0 PSF	DATE	09/07/06	
BC DL	10.0 PSF	DRW	HCUSR215	06250022
BC LL	0.0 PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0 PSF	SEQN-	133024	
DUR.FAC.	1.25	FROM	CDM	
SPACING	48.8"	JREF-	1T0F215_Z01	

ALPINE

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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

	Top	chord	2x4	SP	#2	N
	Bot	chord	2x4	SP	#2	N
		webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

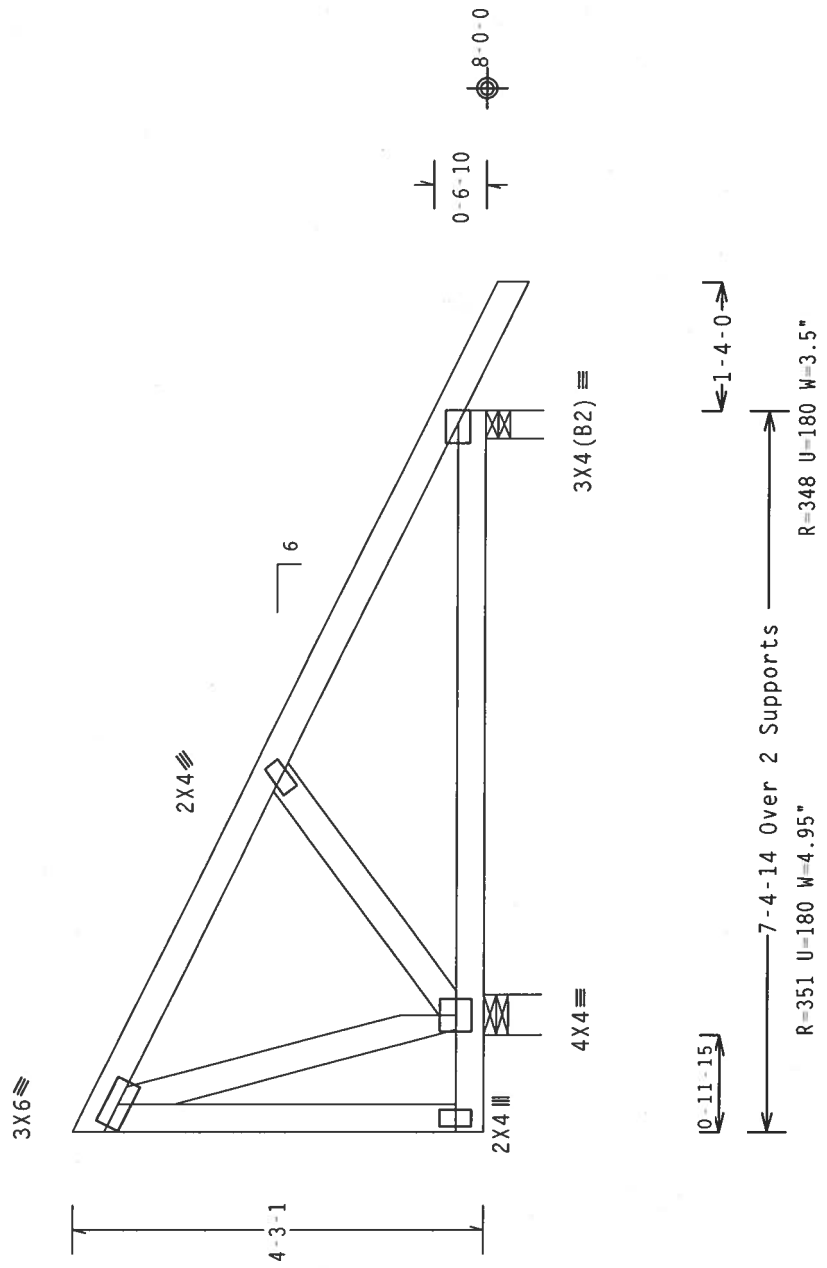
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Left end vertical not exposed to wind pressure.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-3-1.

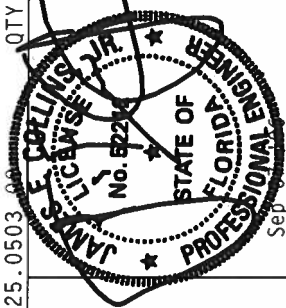


PLT TYP. Wave R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/

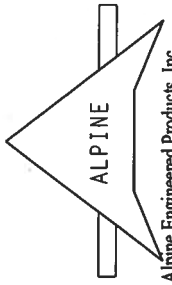
Scale = .5" / Ft.

TC LL	20.0	PSF	REF R215-- 38757
TC DL	10.0	PSF	DATE 09/07/06
BC DL	10.0	PSF	DRW HCUR215 06250009
BC LL	0.0	PSF	HC-ENG DAB/WHK
TOT.LD.	40.0	PSF	SEQN- 132991
DUR.FAC.	1.25		FROM CDM
SPACING	24.0"		JREF- 1T0F215_Z01



***WARNING:** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-033 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TP1 (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED TRUSS INC. ASSUMES NO LIABILITY OR DETENTION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE SPECIFICATIONS, OR FOR ANY REASON, INCLUDING THE TRUSS DESIGN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TYPE CONNECTOR PLATES ARE MADE OF 2018/176GA (MM/H/S/K) ASTM A653 GRADE 40/60 (K/MI) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND (UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TP11 SEC. 2.



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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

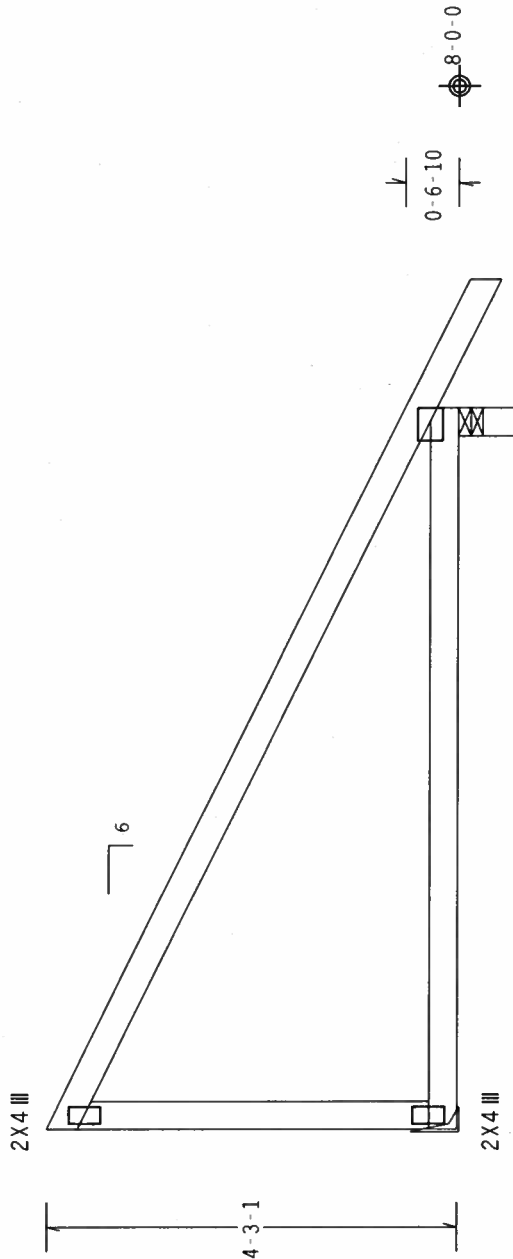
Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Left end vertical not exposed to wind pressure.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-3-1.


$$3 \times 4(B2) \equiv$$

7-4-07

7-4-14 Over 2 Supports

 $R=293 \text{ U}=180$

R=406 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

 $C_0/RT=1.00(1.25)/10(0) \quad 7.25.0503$

Scale = .5" / Ft.

*****WARNING*** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO SPEC. 1 (FLOOR JOIST INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR RD., SUITE 200, MADISON, WI 53719) AND SPEC. 2 (WOOD JOIST INFORMATION), PUBLISHED BY FPI (TRUSS PLATE INSTITUTE, 583 O'CONNOR RD., SUITE 200, MADISON, WI 53719) PRIOR TO PERFORMING THESE FUNCTIONS. TRUSSES ARE INDICATED BY THE TOP CHORD SHALL HAVE SAFETY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.**

*****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN WILL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

DESIGN CONFORMS WITH ALL APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC.) BY APPLYING BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 20X18X16GA. W/H S/ECS ASTM A563 GRADE 40/60 (4. K/H.S) GALV STEEL. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/APT1 1 SEC. 2.



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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

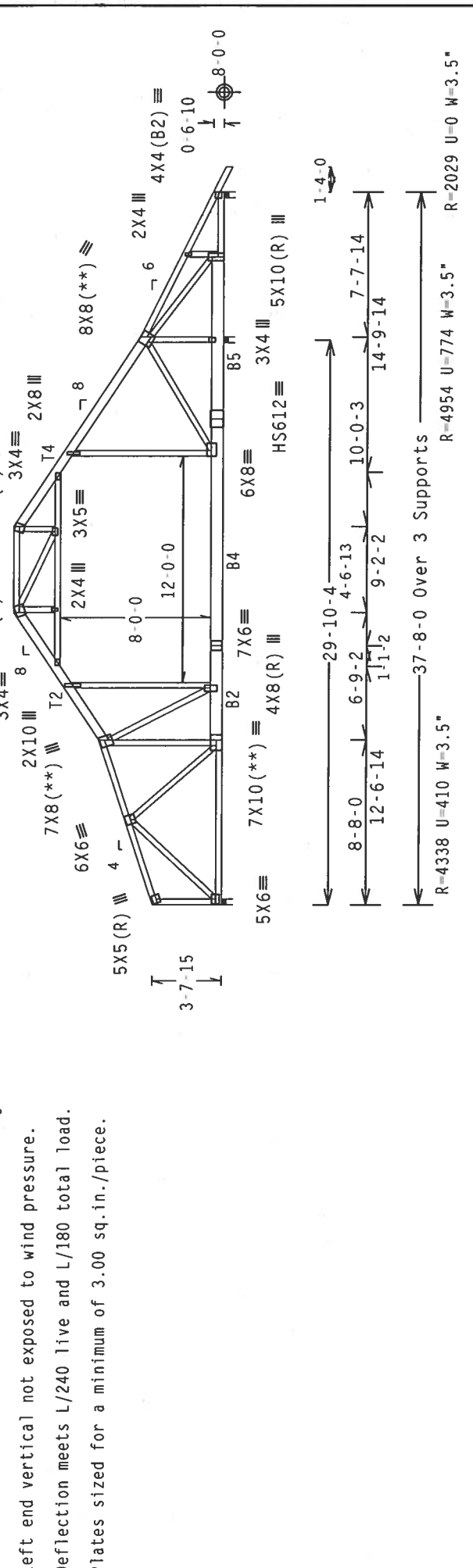
James City, FL 33844
FL Certificate of Authorization # 567

FL/-/5/-/-/R/-		Scale = .5"/Ft..
TC LL	20.0 PSF	REF R215 - - 38758
TC DL	10.0 PSF	DATE 09/07/06
BC DL	10.0 PSF	DRW HCUSR215 06250001
BC LL	0.0 PSF	HC-ENG DAB/WHK *
TOT.LD.	40.0 PSF	SEQN- 132986
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF- 1T0F215_Z01

Top chord 2x4 SP #2 N :T2, T4 2x6 SP SS:
Bot chord 2x4 SP #2 N :B2 2x8 SP #2 N:
:B4, B5 2x8 SP SS:
Webs 2x4 SP #2 N

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 124 PLF at 0.00 to 124 PLF at 8.67
TC - From 130 PLF at 8.67 to 130 PLF at 11.71
TC - From 179 PLF at 11.71 to 179 PLF at 12.57
TC - From 130 PLF at 12.57 to 130 PLF at 15.43
TC - From 124 PLF at 15.43 to 124 PLF at 19.99
TC - From 170 PLF at 19.99 to 196 PLF at 22.85
TC - From 245 PLF at 22.85 to 252 PLF at 23.71
TC - From 203 PLF at 23.71 to 260 PLF at 30.01
TC - From 127 PLF at 30.01 to 127 PLF at 39.00
PLT - From 41 PLF at 12.95 to 41 PLF at 22.47
BC - From 41 PLF at 0.00 to 41 PLF at 11.71
BC - From 244 PLF at 11.71 to 244 PLF at 23.71
BC - From 41 PLF at 23.71 to 41 PLF at 37.67
BC - From 9 PLF at 37.67 to 9 PLF at 39.00
BC - 302 LB Conc. Load at 11.71, 23.71
BC - 140 LB Conc. Load at 30.20

The overall height of this truss excluding overhang is 11-0-11.
Collar-tie braced with continuous lateral bracing at 24" OC.
Left end vertical not exposed to wind pressure.
Deflection meets L/240 live and L/180 total load.
Plates sized for a minimum of 3.00 sq.in./piece.



PLT TYP. 20 Gauge HS.Wave\R

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503

QTY:1 FL/-5/-/-/R/-

Scale =.125"/Ft.

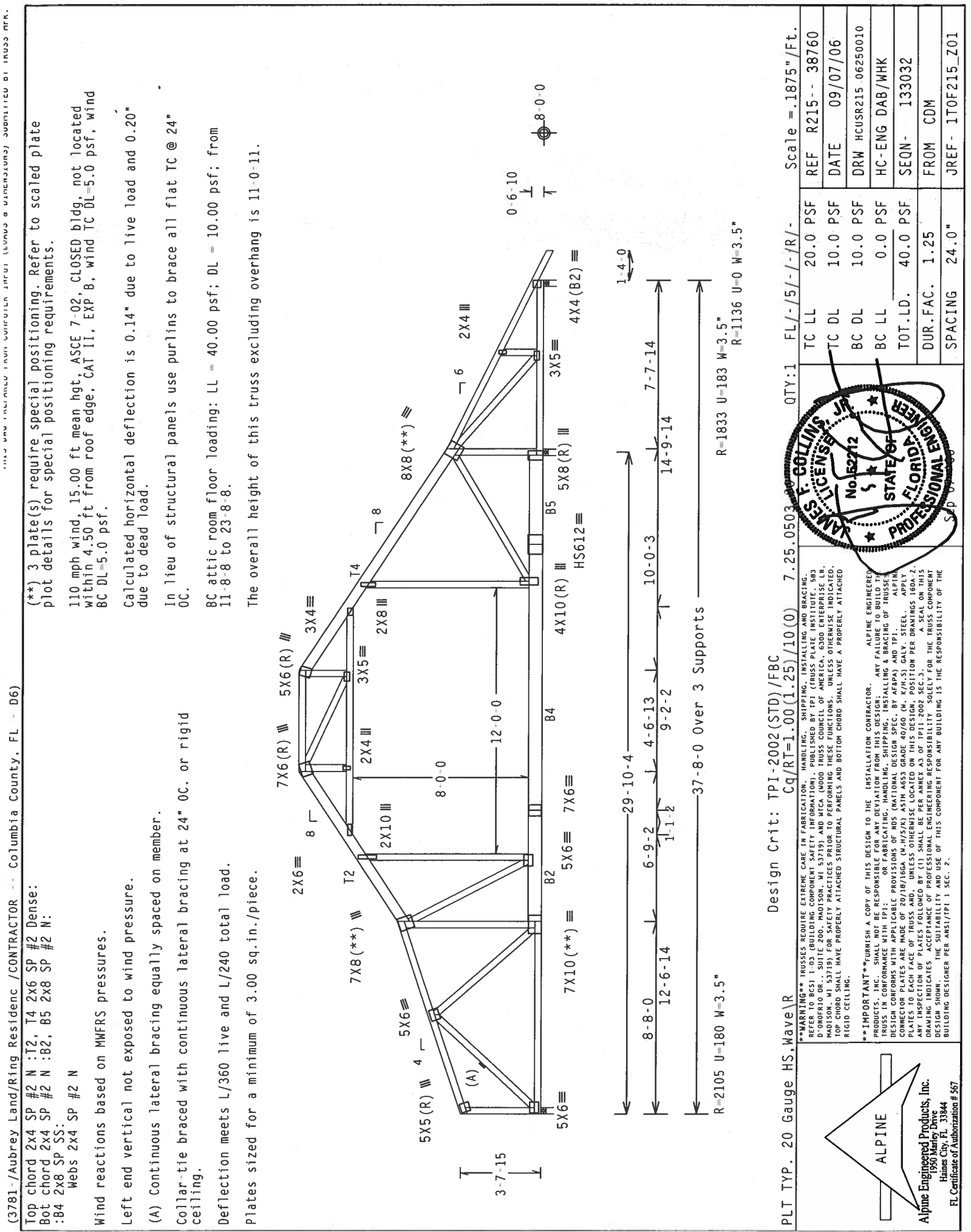
REF	R215--	38759
DATE	09/07/06	
DRW	HCUSR215	06250028
HC-ENG	DAB/WHK	
SEQN-	133028	
FROM	CDM	
JREF-	1T0F215_Z01	

ALPINE
Alpine Engineered Products, Inc.
1950 Marney Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

STATE OF FLORIDA
Professional Engineer
No. 62212
Sep 07, 2006

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND NCTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Top chord 2x4 SP #2 N :T2, T4 2x6 SP #2 Dense:
Bot chord 2x4 SP #2 N :B2, B5 2x8 SP #2 N:
:B4 2x8 SP SS:
Webs 2x4 SP #2 N

SPECIAL LOADS

TC - From	76 PLF at 0.00 to	76 PLF at 8.67
TC - From	80 PLF at 8.67 to	80 PLF at 11.71
TC - From	110 PLF at 11.71 to	110 PLF at 12.57
TC - From	80 PLF at 12.57 to	80 PLF at 15.43
TC - From	76 PLF at 15.43 to	76 PLF at 19.99
TC - From	120 PLF at 19.99 to	146 PLF at 22.85
TC - From	176 PLF at 22.85 to	183 PLF at 23.71
TC - From	153 PLF at 23.71 to	210 PLF at 30.01
TC - From	78 PLF at 30.01 to	78 PLF at 39.00
PLT - From	25 PLF at 12.95 to	25 PLF at 22.47
BC - From	25 PLF at 0.00 to	25 PLF at 11.71
BC - From	150 PLF at 11.71 to	150 PLF at 23.71
BC - From	25 PLF at 23.71 to	25 PLF at 37.67
BC - From	6 PLF at 37.67 to	6 PLF at 39.00
BC -	384 LB Conc. Load at	11.52
BC -	186 LB Conc. Load at	11.71, 23.71
BC -	302 LB Conc. Load at	30.20

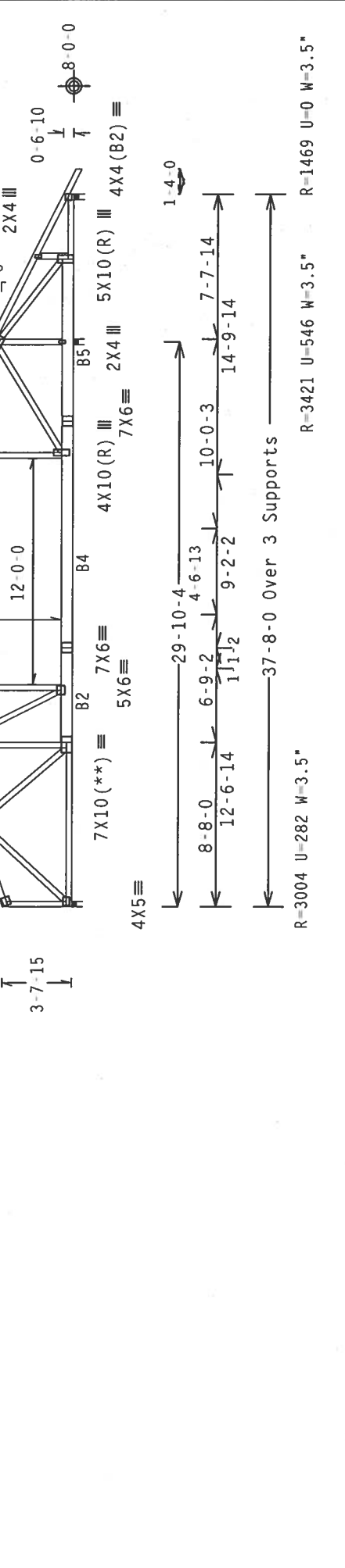
Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 11'-0" 11-11.

Collar-tie braced with continuous lateral bracing at 24" OC.

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

Plates sized for a minimum of 3.00 sq.in./piece.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

Scale = .125"/Ft.

REF	R215--	38761
DATE	09/07/06	
DRW	HCUSR215	06250030
HC-ENG	DAB/WHK	
SEQN-	133036	
FROM	CDM	
JREF-	1T0F215_Z01	

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FLORIDA PROFESSIONAL ENGINEER
No. 52412
STATE OF FLORIDA
JAMES L. COLLINS, JR.
EXPIRATION DATE 09/07/06

PLT TYP. Wave\R

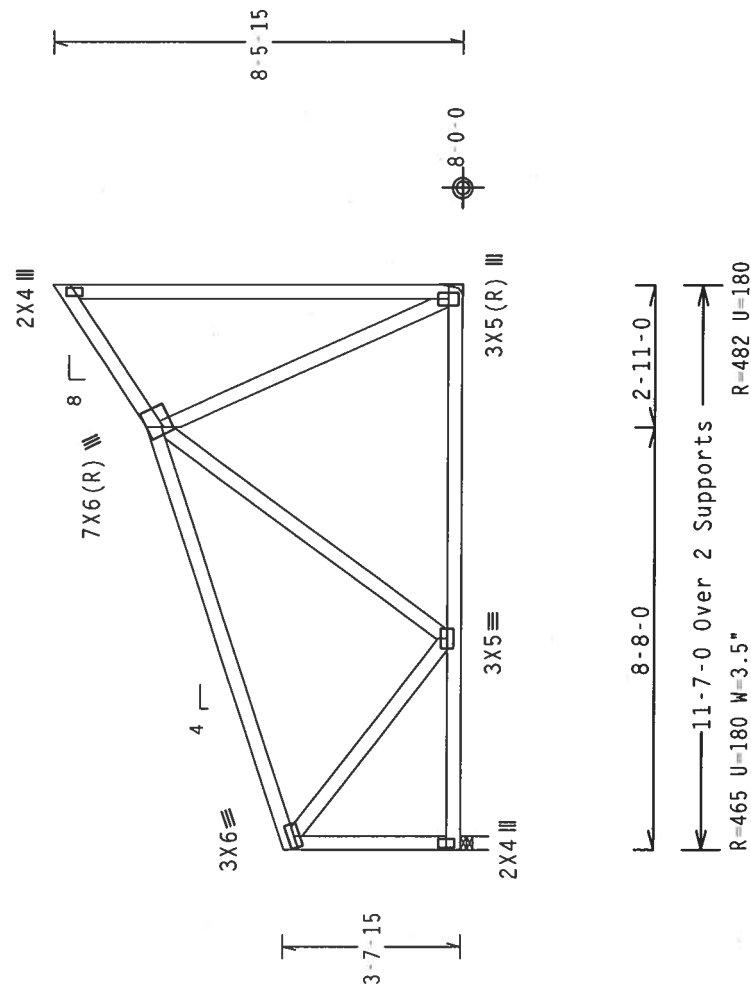
Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	Webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

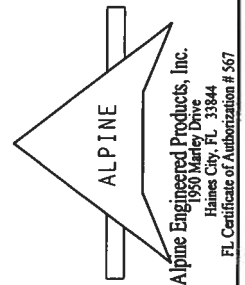
The overall height of this truss excluding overhang is 8-5-15.



PLT TYP. Wave\ R

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE FOLLOWING INFORMATION FOR THE PROPER BRACING OF TRUSSES SHOWN BY THIS CROSS PLATE INSTITUTE: 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719, AND WEEDON TRUSSES, INC., 1000 W. WISCONSIN AVE., SUITE 100, MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS IS NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE PROVISIONS OF NOS (NATIONAL DESIGN SPEC.) INSTALLING & BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE DESIGN CONFORMS WITH THE FOLLOWING CODES AND STANDARDS: PERMANENT CONNECTIONS-STEEL PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. CONNECTOR PLATES ARE MADE OF 2018/16GA W/H S/EAST ASTM A553 GRADE 40/50 (W 4 X 1/8) GALV STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 4 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSII/TPI 1 SEC. 2.



FL/-/5/-/-/R/-		Scale = .25"/Ft..	
TC LL	20.0 PSF	REF	R215-- 38762
TC DL	10.0 PSF	DATE	09/07/06
BC DL	10.0 PSF	DRW	HCUSR215 06250011
BC LL	0.0 PSF	HC-ENG	DAB/JHK
TOT.LD.	40.0 PSF	SEQN-	132924
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T0F215_Z01

(3781-Aubrey Land/Ring Residenc /CONTRACTOR -- Columbia County, FL - D9)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 4-3-1.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

2x4

4-3-1

7-4-14 Over 2 Supports

2x4

3x4 (B2)

0-6-10

8-0-0

R-293 U=180

R-406 U=180 W=3.5

1/4"=1'-0"

PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

Scale = .5" / Ft.

QTY: 1

FL / - / 5 / - / - / R / -

REF R215 -- 38763

DATE 09/07/06

DRW HCUSR215 06250002

HC-ENG DAB/WHK

SEQN- 132938

FROM CDM

JREF- 1T0F215_Z01

SPACING 24.0"

DUR.FAC. 1.25

TOT.LD. 40.0 PSF

BC LL 0.0 PSF

BC DL 10.0 PSF

TC DL 10.0 PSF

TC LL 20.0 PSF

FLORIDA PROFESSIONAL ENGINEER
S. COLLINS
No. 87212
Sep 07 2006

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, REFER TO BC91 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, REFER TO BC91 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Top chord 2x4 SP #2 N :T2, T4 2x6 SP #2 Dense:
Bot chord 2x4 SP #2 N :B2, B5 2x8 SP #2 N:
:B4 2x8 SP SS:
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

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

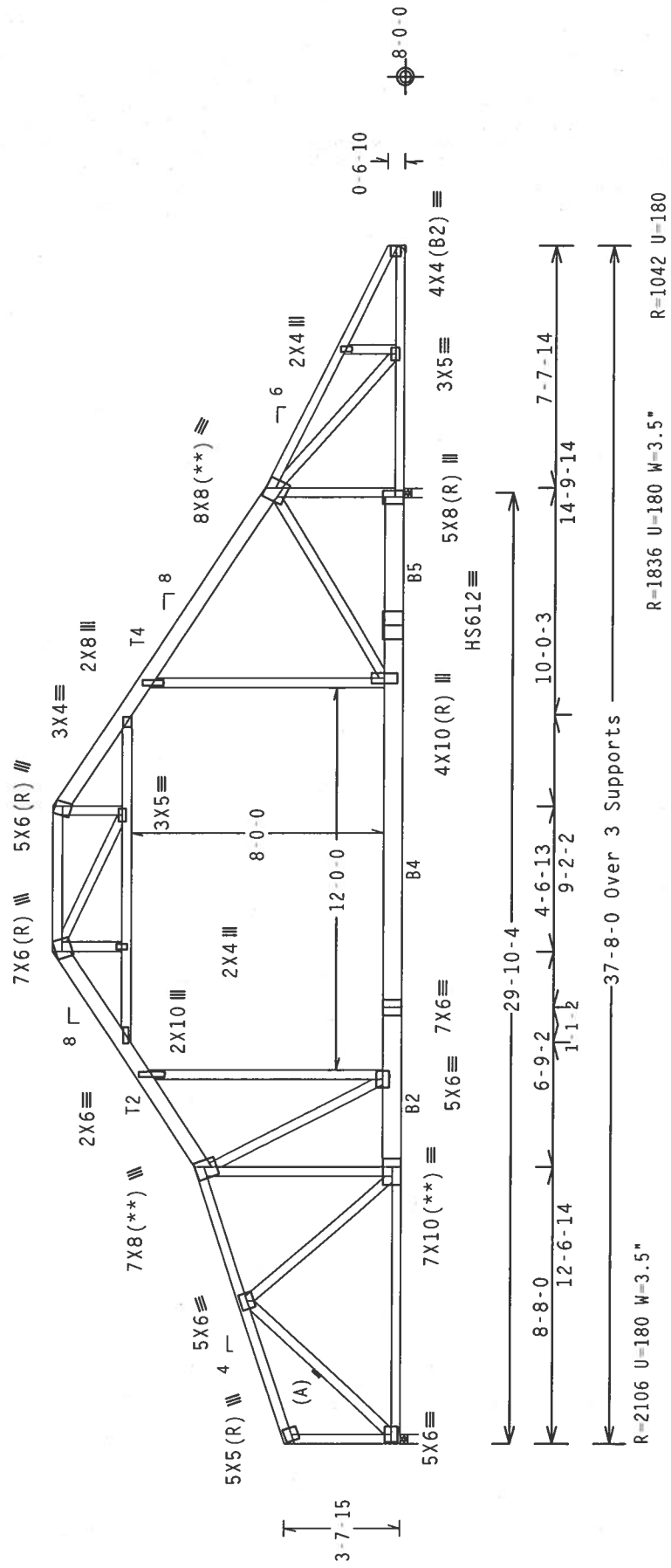
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Calculated horizontal deflection is 0.15" due to live load and 0.20" due to dead load.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 11-8-8 to 23-8-8.

The overall height of this truss excluding overhang is 11-0-11.



PLT TYP. 20 Gauge HS.Wave/R

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503 00

Scale = .1875"/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"

QTY:1 FL/-/5/-/-/R/-

REF R215-- 38764

DATE 09/07/06

DRW HCUSR215 06250012

HC-ENG DAB/WHK

SEQN- 133040

FROM CDM

JREF- 1T0F215_Z01

ALPINE ENGINEERED PRODUCTS, INC.
1350 Marney Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No 52472
JAMES E. COLLINGS JR.

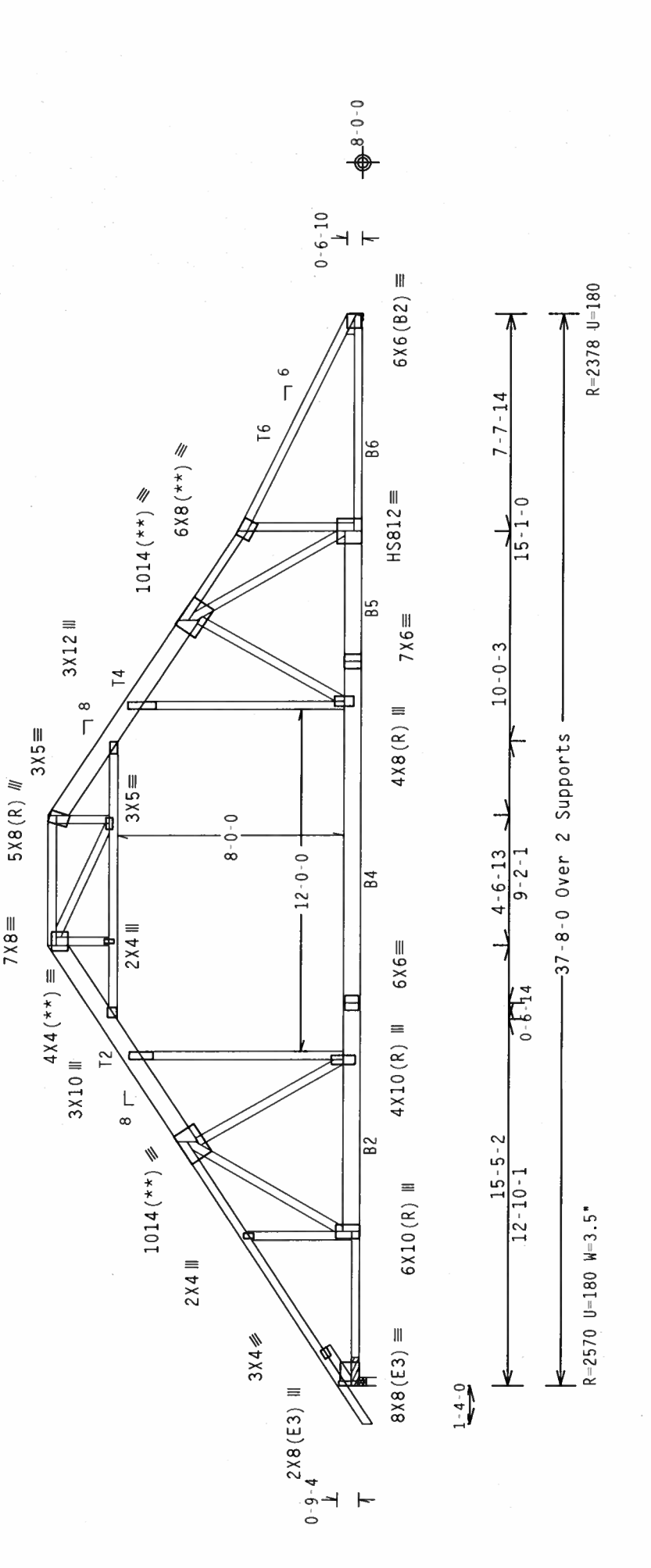
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS, INCLUDING THE INSTALLATION OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGN SPECIFICATIONS ARE MADE OF 20/18/16GA (W-H/S/K) ASTM A653 GRADE 40/60 (W-H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SPECIFICATIONS, INCLUDING THE INSTALLATION OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGN SPECIFICATIONS ARE MADE OF 20/18/16GA (W-H/S/K) ASTM A653 GRADE 40/60 (W-H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION). PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) AND WTA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

Top chord 2x4 SP #2 N :T2, T4 2x8 SP SS: :T6 2x4 SP SS:
Bot chord 2x4 SP #2 N :B2, B4 2x8 SP SS:
:B5 2x8 SP #2 N: :B6 2x4 SP SS:
Webs 2x4 SP #2 N
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.617'
:Rt Wedge 2x4 SP #2 N:

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 11-8-8 to 23-8-8.
Plates sized for a minimum of 3.00 sq.in./piece.



PLT TYP. 20 Gauge HS.Wave/R

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503 00

QTY:1 FL/-/5/-/-/R/-

Scale =.1875"/Ft.

REF	R215--	38765
DATE	09/07/06	
DRW	HCUSR215	06250013
HC-ENG	DAB/WHK	
SEQN-	133105	
FROM	CDM	
JREF-	1T0F215_Z01	

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

ALPINE ENGINEERED PRODUCTS, INC.

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 5212

JR

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CORRELATOR PLATES ARE MADE OF 20/18/16GAL. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1601.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

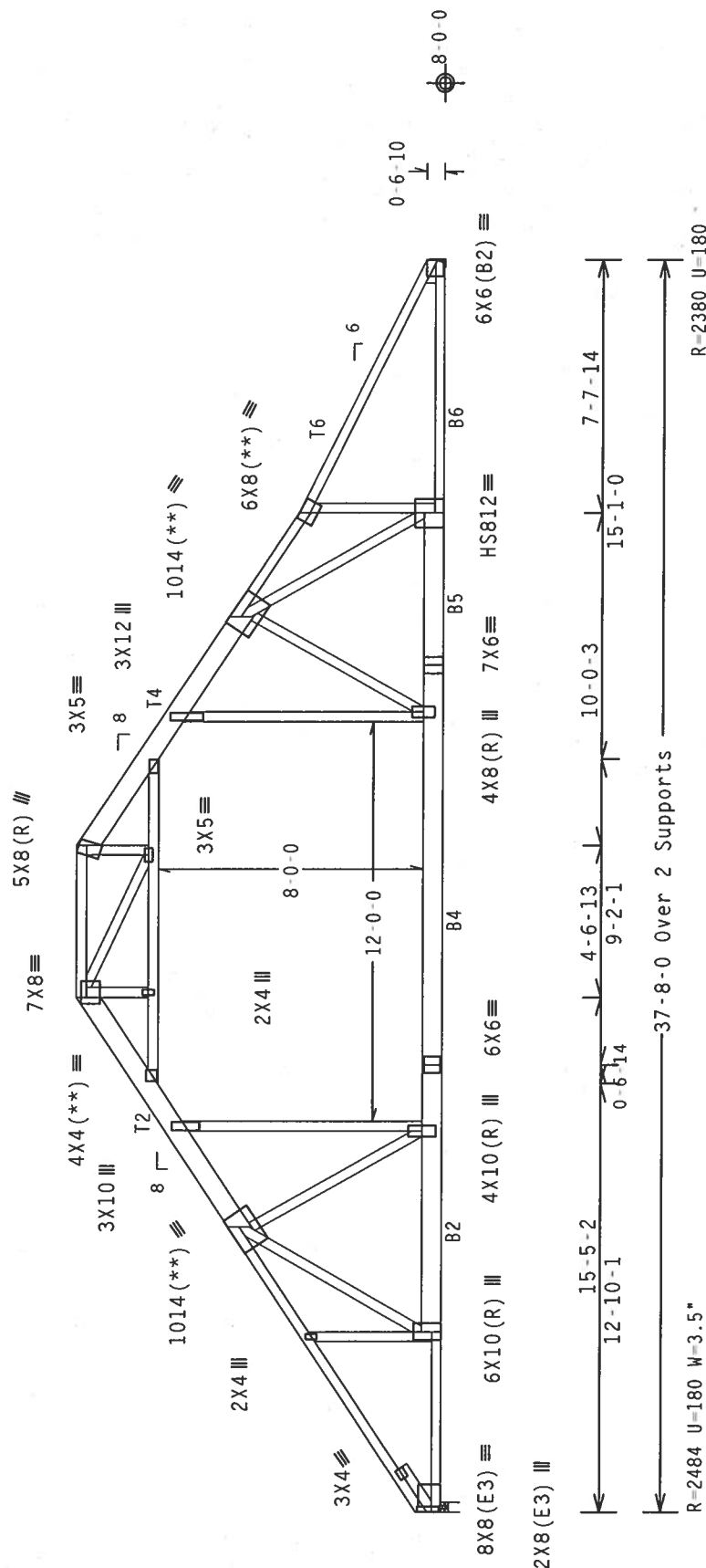
Top chord 2x4 SP #2 N :T2, T4 2x8 SP SS: :16 2x4 SP SS:
Bot chord 2x4 SP #2 N :B2, B4 2x8 SP SS:
:B5 2x8 SP #2 N :B6 2x4 SP SS:
Webs 2x4 SP #2 N
:1:1t Slider 2x4 SP #2 N: BLOCK LENGTH = 1.617'
:Rt Wedge 2x4 SP #2 N:

Wind reactions based on MWFRS pressures.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

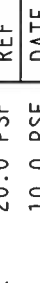
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11'-0"-11'.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave R



ALPINE Engineered Products, Inc.
 1950 Marley Drive
 Gaines City, FL 32644
 FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSSING PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, MI 48219, AND METCA, INWOOD TRUSS COUNCIL OF AMERICA, 10000 W. 46TH AVE., MADISON, MI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE PROVISIONS OF THIS "NATIONAL DESIGN SPEC." INSTALLING & BRACING OF TRUSSES, DESIGNER CONFORMS WITH APPLICABLE PROVISIONS OF NDS "NATIONAL DESIGN SPEC." (NDS) AND THE APPLICABLE CONNECTION PLATES ARE MADE OF 20/18/16GA (W/M/S/K) ASTM A955 GRADE 40/60 (W/M/S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANS A3 OF TP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/TP1 1 SEC. 2.

Top chord 2x4 SP #2 N :T2, T4 2x8 SP SS: :T6 2x4 SP SS:

Bot chord 2x4 SP #2 N :B2, B4 2x8 SP SS:

:B5 2x8 SP #2 N: :B6 2x4 SP SS:

Webbs 2x4 SP #2 N

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webs 2x4 SP #2 N
: Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 1.617.

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:Rt Wedge 2x4 SP #2 N:

Wind reactions based on MWFRS pressures.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11'-0"-11'.

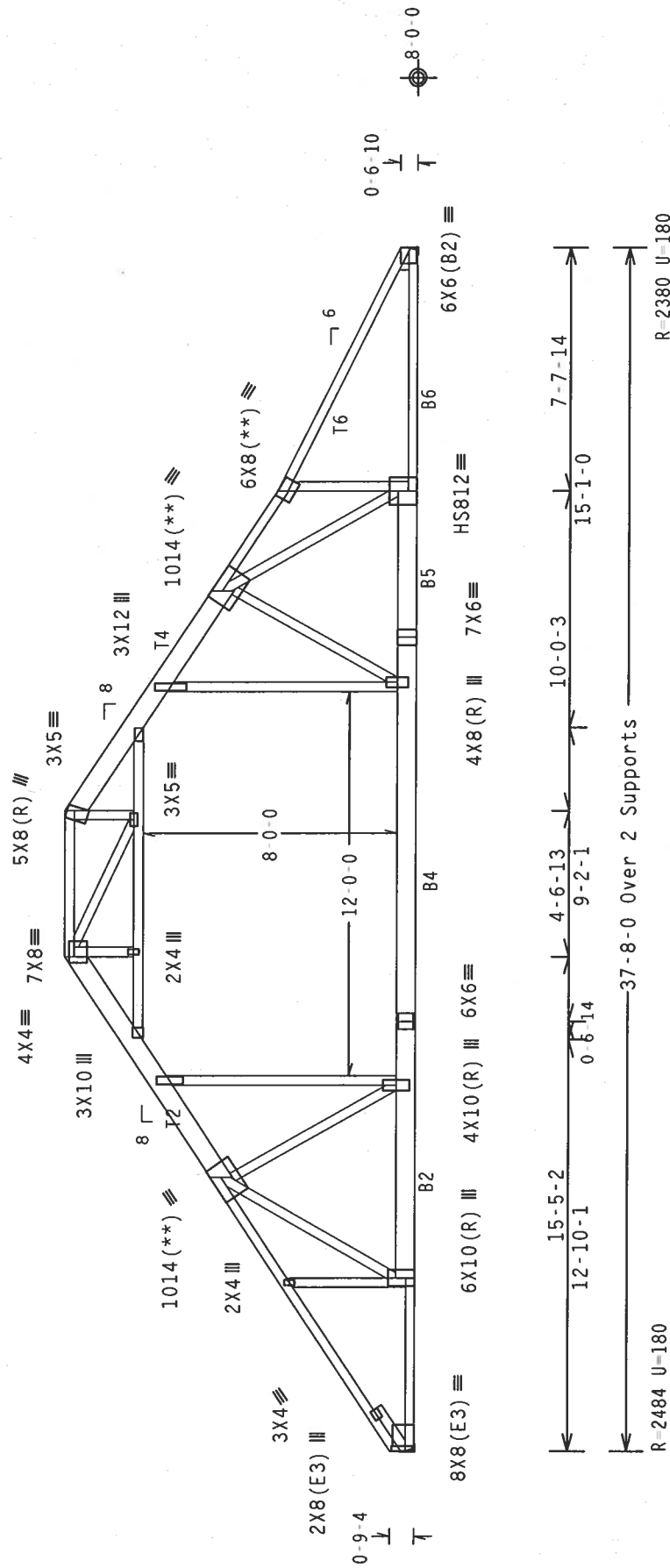
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hog, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL=5.0 psf.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 11-8-8 to 23-8-8.

Plates sized for a minimum of 3.00 sq.in./piece.

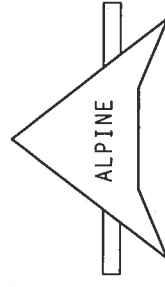


Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave\R

OTY:1 El / - / 5 / - - / R / - - Scale = 1875" / Ft

TC LL	20.0	PSF	REF	R215 --	38767
TC DL	10.0	PSF	DATE	09/07/06	
BC DL	10.0	PSF	DRW	HCUSR215	06250015
BC LL	0.0	PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0	PSF	SEQN-	133089	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T0F215	Z01



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844

(**) 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 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Top chord 2x4 SP #2 N :T2, T4 2x8 SP SS:	:T6 2x4 SP SS:
Bot chord 2x4 SP #2 N :B2, B4 2x8 SP SS:	
:B5 2x8 SP #2 N :B6 2x4 SP SS:	
Webs 2x4 SP #2 N	
:Lt Slider 2x4 SP #2 N: BLOCK LENGTH =	1.617'
:Rt Wedge 2x4 SP #2 N:	

Wind reactions based on MWFRS pressures.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

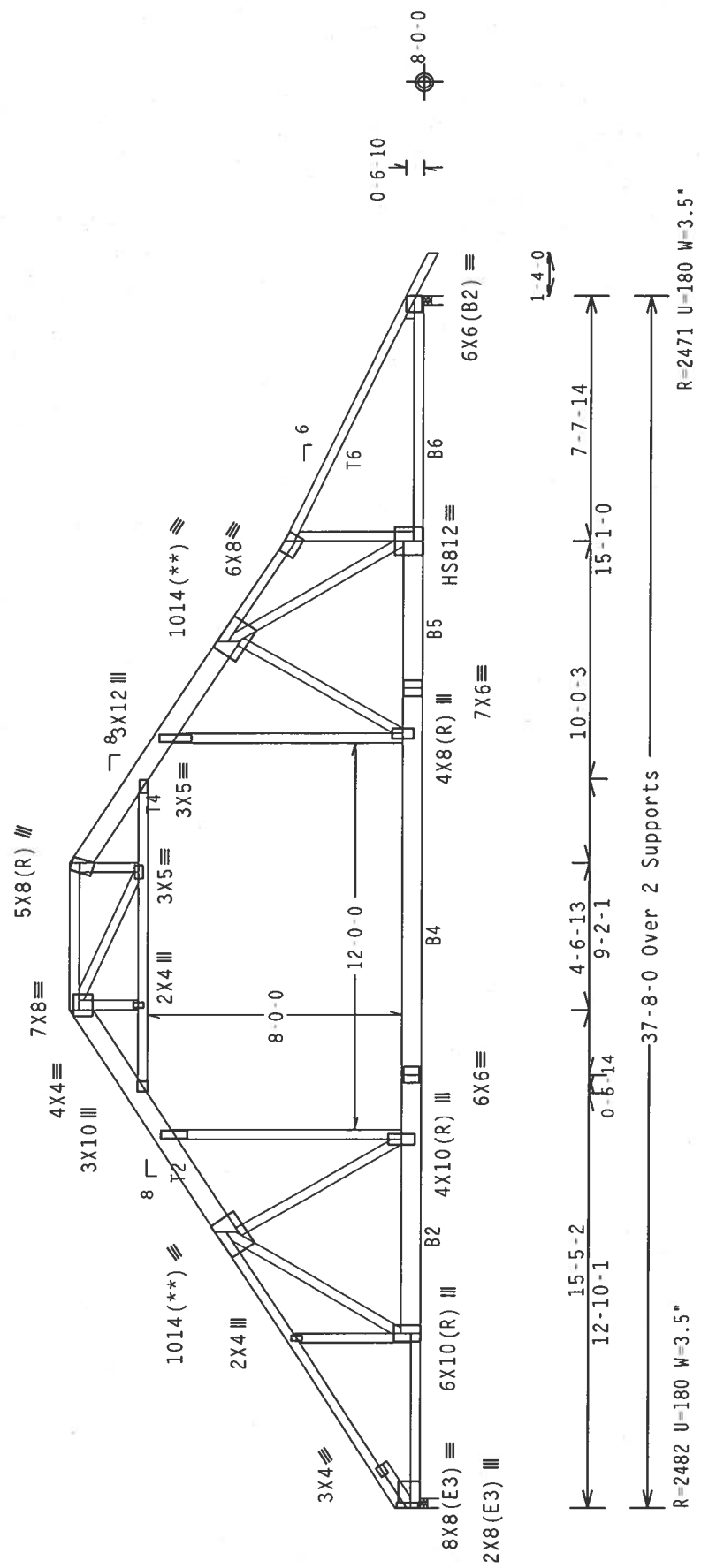
Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 11-0-11.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 11-8-8 to 23-8-8.

Plates sized for a minimum of 3.00 sq.in./piece.



PLT TYP. 20 Gauge HS.Wave\ R

Scale = .1875"/Ft.

ALPINE ALPINE Engineered Products, Inc. 1950 Mulvey Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT**FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES WERE MADE OF 20/18/16GA (W./S./T) ASTM A653 GRADE 40/60 (W. K./M./S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		<table><tr><td>TC LL</td><td>20.0</td><td>PSF</td><td>REF</td><td>R215--</td><td>38768</td></tr><tr><td>TC DL</td><td>10.0</td><td>PSF</td><td>DATE</td><td>09/07/06</td><td></td></tr><tr><td>BC DL</td><td>10.0</td><td>PSF</td><td>DRW</td><td>HCUSR215</td><td>06250016</td></tr><tr><td>BC LL</td><td>0.0</td><td>PSF</td><td>HC-ENG</td><td>DAB/WHK</td><td></td></tr><tr><td>TOT.LD.</td><td>40.0</td><td>PSF</td><td>SEQN-</td><td>133081</td><td></td></tr><tr><td>DUR.FAC.</td><td>1.25</td><td></td><td>FROM</td><td>CDM</td><td></td></tr><tr><td>SPACING</td><td>24.0"</td><td></td><td>JREF-</td><td>1T0F215_Z01</td><td></td></tr></table>	TC LL	20.0	PSF	REF	R215--	38768	TC DL	10.0	PSF	DATE	09/07/06		BC DL	10.0	PSF	DRW	HCUSR215	06250016	BC LL	0.0	PSF	HC-ENG	DAB/WHK		TOT.LD.	40.0	PSF	SEQN-	133081		DUR.FAC.	1.25		FROM	CDM		SPACING	24.0"		JREF-	1T0F215_Z01	
	TC LL	20.0	PSF	REF	R215--	38768																																							
	TC DL	10.0	PSF	DATE	09/07/06																																								
	BC DL	10.0	PSF	DRW	HCUSR215	06250016																																							
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	TOT.LD.	40.0	PSF	SEQN-	133081																																								
	DUR.FAC.	1.25		FROM	CDM																																								
SPACING	24.0"		JREF-	1T0F215_Z01																																									

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Top chord 2x4 SP #2 N :T2, T4 2x8 SP SS: :T6 2x4 SP SS:
Bot chord 2x4 SP #2 N :B2, B4 2x8 SP SS:
:Rt Webs 2x4 SP #2 N :B6 2x4 SP SS:
:Lt Slider 2x4 SP #2 N :BLOCK LENGTH = 1.617'
:Rt Wedge 2x4 SP #2 N :

```

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind 8C DL=5.0 psf.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 11-8-8 to 23-8-8.

Plates sized for a minimum of 3.00 sq.in./piece.

Bearing blocks: Nail type: 0.131"x3" Gun nails
 1 0.000' 1 12" 4 Match Truss
 #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 X-LOC
 BBRG

Bearing block to be same size and species as bottom chord.
 Refer to drawing CMBRGLK1103 for additional information.

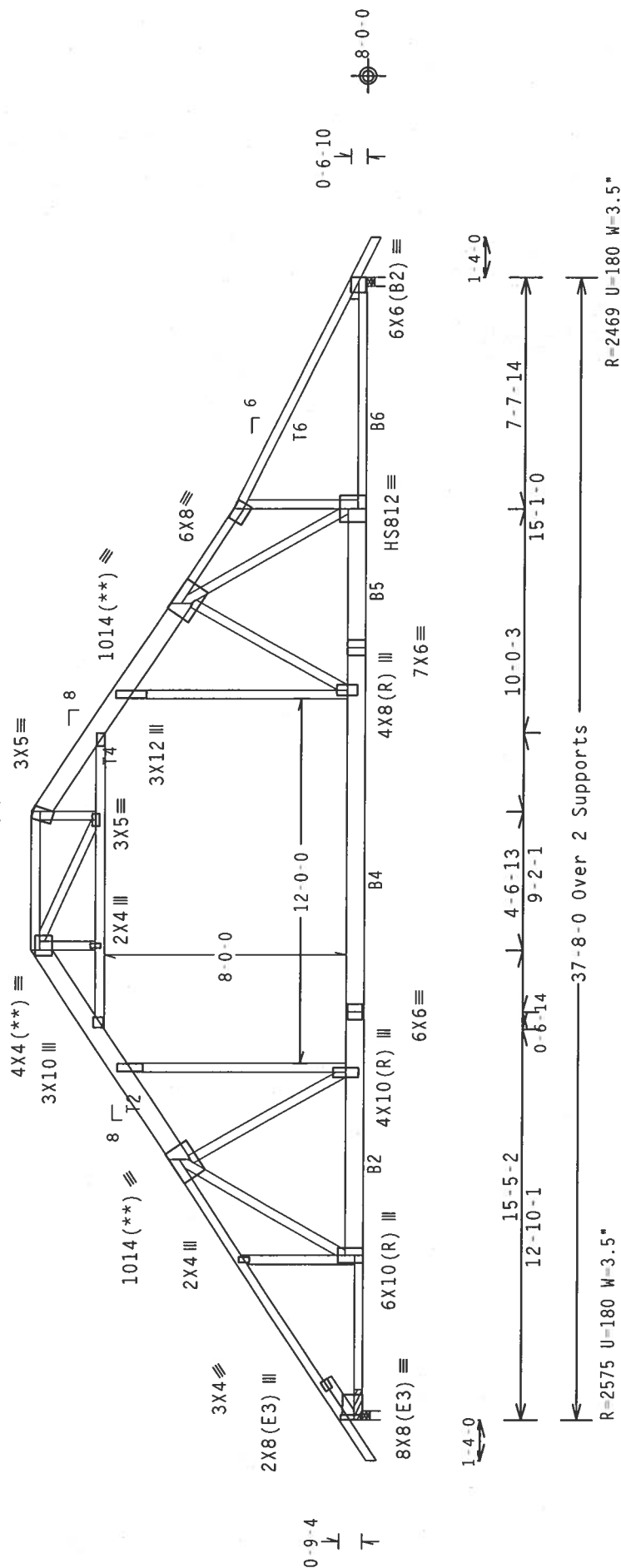
(**) 3 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

Wind reactions based on MWFRS pressures.

Collar tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load.

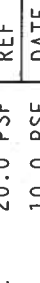
The overall height of this truss excluding overhang is 11'-0"-11'.



PLT TYP. 20 Gauge HS.Wave\ R

Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/-
Scale = 1875"/Fl.



Alpine Engineered Products, Inc.
 1936 Marney Drive
 Haines City, FL 33844

FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 BUILDING COMPONENTS SECTION FOR INFORMATION. UNLESS SHOWN BY TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, MI 48219, AND METAL FABRICATORS ASSOCIATION OF AMERICA, 6000 WILSON RD., SUITE 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. IF TRUSSES, OR COMPONENTS, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL GRADE SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (W-H/S/K) ASTM A653 GRADE 40/60 (W. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPII-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



SEP 07 2002

REF R215 --	38769	IC LL	20.0 PSF
DATE	09/07/06	TC DL	10.0 PSF
DRW HCUSR215	06250017	BC DL	10.0 PSF
HC-ENG DAB/WHK		BC LL	0.0 PSF
SEQN-	133074	TOT. LD.	40.0 PSF
FROM CDM		DUR. FAC.	1.25
JREF-	1TOF215_Z01	SPACING	24.0"

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

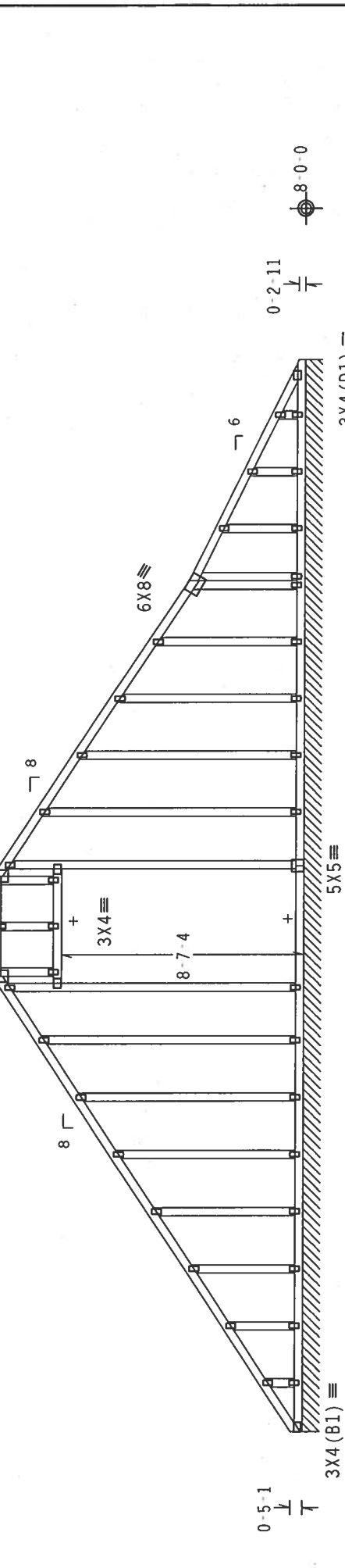
Wind reactions based on MWFRS pressures.
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.
The overall height of this truss excluding overhang is 11'-0"-11".

+ Member to be laterally braced for horizontal wind loads.
Bracing system to be designed and furnished by others.

5X5 ≡
3X4 ≡

5X5 ≡
3X4 ≡



0-5-1
0-2-11
3X4 (B1) ≡
3X4 (D1) ≡

15-11-7
15-8-8
3-6-3
4-1-6
10-4-12
17-10-2
7-9-10
37-8-0 Over Continuous Support
R-84 PLF U=21 PLF W=37-8-0

Note: All Plates Are 2X4 Except As Shown.
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave\R
Scale = .1875\"/>

REF	R215--	38770
DATE	09/07/06	
DRW	HCUSR215	06250018
HC-ENG	DAB/WHK	
SEQN-	132894	
FROM	CDM	
JREF-	1T0F215_Z01	

ALPINE

Alpine Engineered Products, Inc.
1550 Marney Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 12742
J. COLLINS, JR.
Sep 07 '06

PLT TYP. Wave\R
Scale = .1875\"/>

Top	chord	2x4	SP	#2	N
Bot	chord	2x6	SP	#2	N
	webs	2x4	SP	#2	N

1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

SPECIAL LOADS

	(LUMBER	DUR.FAC.=1.25	/	PLATE	DUR.FAC.=1.25)
TC -	From	60 PLF at	0.00 to	60 PLF at	5.88
8C -	From	20 PLF at	0.00 to	20 PLF at	5.88
8C -	293 LB Conc.	Load at	4.06		

Truss must be installed as shown with top chord up.

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

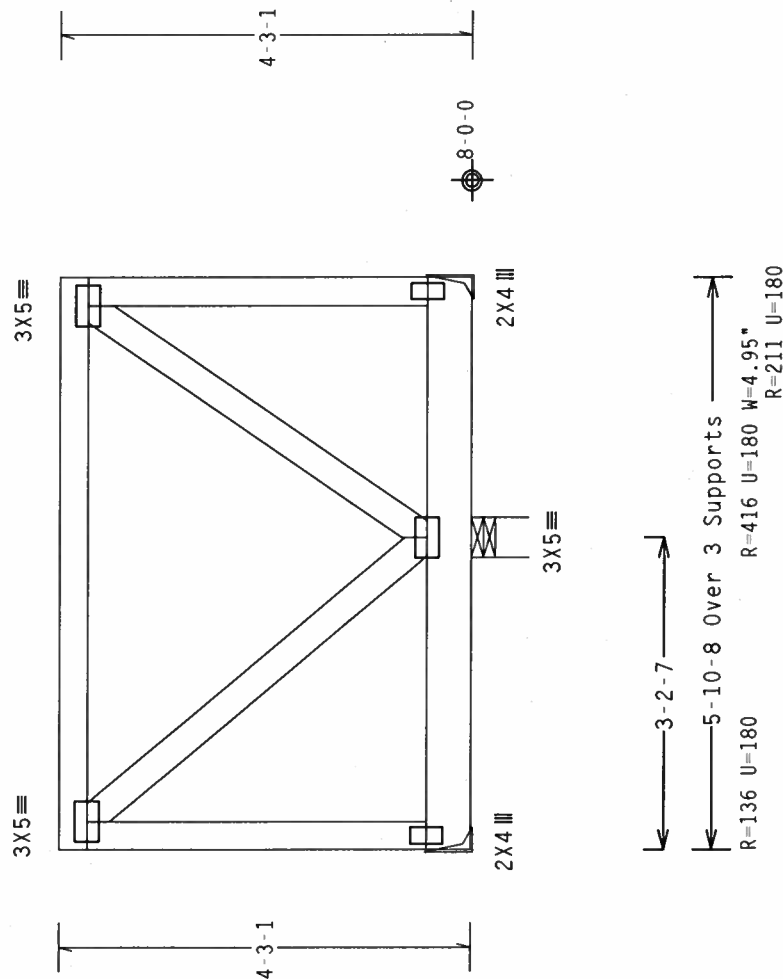
Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4-3-1.

Design Crit: $\text{TPI-2002(STD)}/\text{FBC}$

Scale = .5"/Ft.

FL/-/5/-/-/R/-/

WARNING: TRUSSES REQUIRE EXTREME CARE IN INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSSING PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND NCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE
TRUSS IN CONFORMANCE WITH: FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES
IN CONFORMANCE WITH: PROVISIONS OF THE AISC DESIGN SPEC., (BY AISC) AND THE ALPINE
CONNECTION PLATES ARE MADE OF TP1/16GA/50KSI (WITH LOW CARBON STEEL) AND THE STEEL
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2.
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEK 4 OF TP11-2002 SEC.3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT
OF THIS DESIGN. THE USE OF THIS CONFORM FOR ANY BUILDING IS THE RESPONSIBILITY OF THE
BUILDING DESIGNER PER ANNEK 1.1 SEC.2.

REF R215-- 38771

DATE 09/07/06

00/10/50 FIVE
00/10/50 FIVE

ENCLOSURE

HC-ENG DAB/WHK

5EQN- 132998

FROM CDM

REF- 1T0F215_Z01

Haines City, FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	N
Bot	chord	2x6	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.

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

SPECIAL LOADS

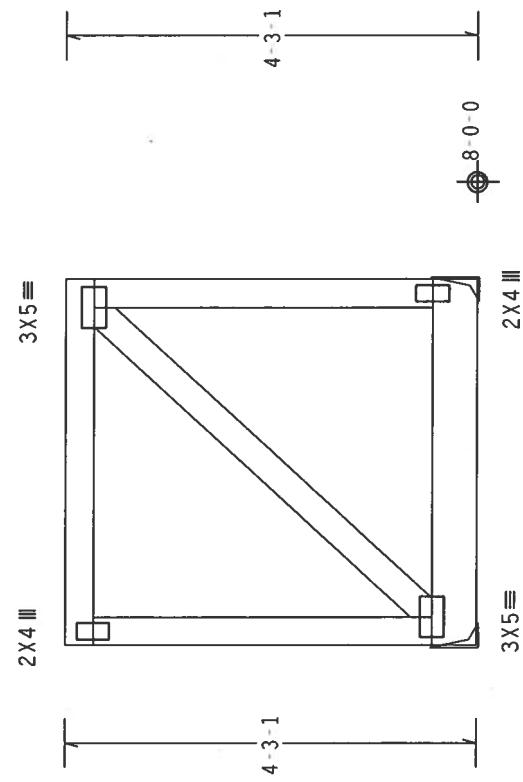
TC	- From	60 PLF at 0.00 to	60 PLF at 3.75
BC	- From	20 PLF at 0.00 to	20 PLF at 3.75
BC	-	293 LB Conc.	Load at 1.81

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 4.31.



3-9-0 Over 2 Supports $\rightarrow$
R=302 U=180 R=292 U=180

Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

Alpine Engineered Products, Inc. Haines City, FL 33844 1950 Marley Drive FL Certificate of Authorization # 567 **WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. RECOMMENDATIONS FOR SAFETY INFORMATION: PUBLISHED BY TPI (TRUSS PLATE INSTITUTE); 593 D'ONOFIO DR., SUITE 200, MADISON, MI 48208-1527; TEL# 313-661-4000 FAX# 313-661-4001 E-MAIL: INFO@TPI.COM WEBSITE: WWW.TPI.COM. THESE RECOMMENDATIONS ARE BASED ON THE ASSUMPTION THAT ALL TRUSSES WILL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS. UNLESS OTHERWISE NOTED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. - OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, TRUSSES IN CONFORMANCE WITH TPI; THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (.N./I/S/M) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	JAMES H. COLLINS Sep 07 '08 STATE OF FLORIDA PROFESSIONAL ENGINEER No. B2212-JH
	REF R215-- 38772
	DATE 09/07/06
	DRW HCUSR215 06250022
	HC-ENG DAB/WHK
	SEQN- 132946
	FROM CDM
	JREF- 1TOF215_Z01

Top	chord	2x4	SP	#2	N
Bot	chord	2x6	SP	#2	N
	webs	2x4	SP	#2	N

1110 mph wind, 16.50 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

End verticals not exposed to wind pressure.

Truss must be installed as shown with top chord up.

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

SPECIAL LOADS

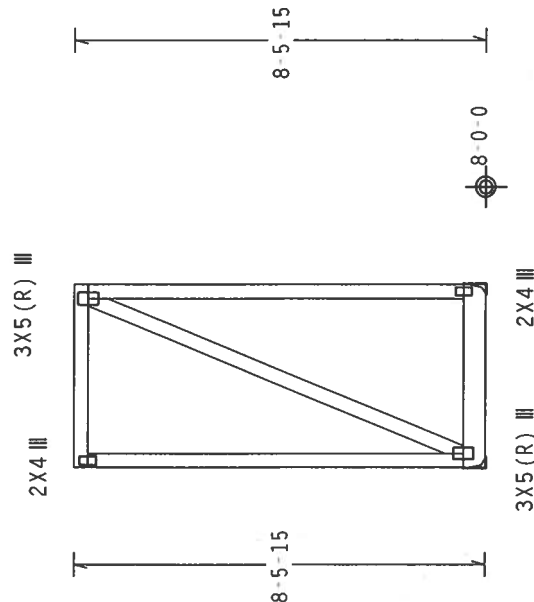
		(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC	From 60 PLF at 0.00 to 60 PLF at 3.75	
BC	From 20 PLF at 0.00 to 20 PLF at 3.75	
BC	482 LB Conc. Load at 1.94	

Wind reactions based on MWFRS pressures.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 8-5-15.



3-9-0 Over 2 Supports

$$R=383 \quad U=180$$

R=399 U=180

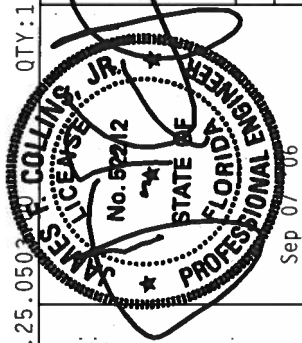
Design Crit: TPI-2002(STD)/FBC

QTY:1 FL/-/5/-/-/R/-/- Scale = .25" / Ft.

 $Cq/RT=1.00(1.25)/10(0)$

PLT TYP. Wave\R

TC LL	20.0	PSF	REF	R215 --	38773
TC DL	10.0	PSF	DATE	09/07/06	
BC DL	10.0	PSF	DRW	HCUSTR215	06250021
BC LL	0.0	PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0	PSF	SEQN-	132932	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T0F215_Z01	



Sep 07 '06



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
Fl Certificate of Authorization # 567

James C. James, Jr., FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

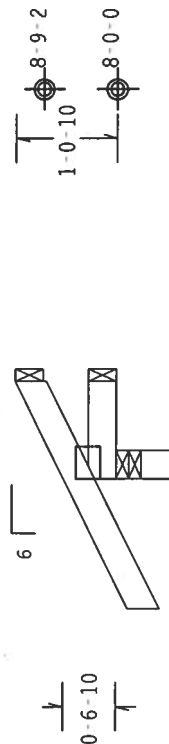
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq. in./piece.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 1-0-10.


$$R = 30 \quad U = 180$$
 $R = -2 \quad U = 180$
$$3 \times 4(B2) = 12$$

1-4-0
1-0-0 Over 3 Supports

R-203 U=180 W=3.5"

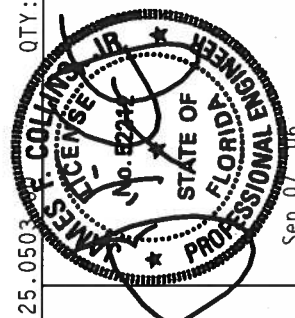
Design Crit: TPI-2002(STD)/FBC

PLT_TYP: Wave\R

$$Cq/RT = 1.00(1.25)/10(0) \quad 7.25 \cdot 0503$$

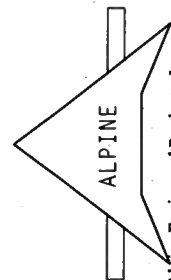
Scale = .5" / Ft.

TC LL	20.0	PSF	REF	R215--	38774
TC DL	10.0	PSF	DATE	09/07/06	
BC DL	10.0	PSF	DRW	HCUSR215	06250023
BC LL	0.0	PSF	HC-ENG	DAB/WHK	
TOT.LD.	40.0	PSF	SEQN-	134764	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T0F215_Z01	



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. **SAFETY INFORMATION:** PUBLISHED BY TPI (TRUSSING INSTITUTE), 963 S. KENNEDY DR., SUITE 200, MADISON, WI 53719. FOR SAFETY INFORMATION, CALL 800-368-5543. **PERMITS:** IN MADISON, WI 53719, FOR SAFETY INFORMATION, CALL 800-368-5543. **TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.**

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THIS DESIGN IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TRUSSES IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ASEA) AND TPI: ALPINE DESIGN CONSTRUCTION SPECIFICATIONS FOR TRUSSES SHALL BE THE RESPONSIBILITY OF THE INSTALLER. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING. 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1-2002 SECTION 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT THE DESIGN AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING-DESIGNER PER ANNEX A OF TPI-1-2002 SECTION 3.



Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567
Haines City, FL 33844

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

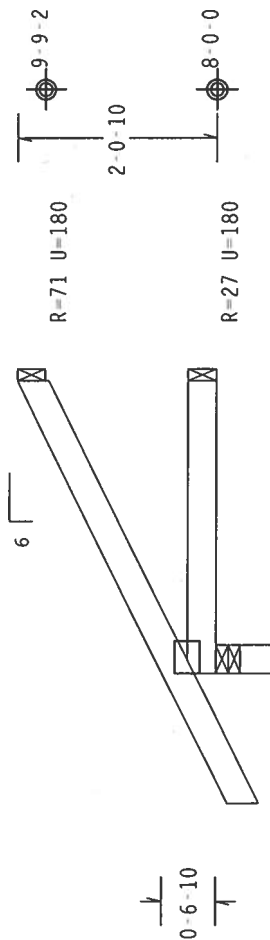
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 2-0-10.


$$3 \times 4(B2) =$$

1-4-07

3-0-0 Over 3 Supports

R=238 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0)$ 7.25.0503

Scale = .5"/Ft.

QTY:1 FL/-/5/-/-/R/-/-

0503 0000

$$\log(0) = 7.$$
 $T=1.00(1.$

... and we

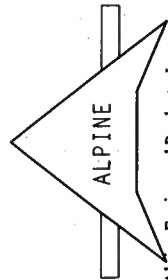
243

R

DLT TYP. W

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. *REFER TO BECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 WEST 40TH AVENUE DR., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., SUITE 100, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS CONFORMS WITH THE DRAWING REQUIREMENTS, INCLUDING THE FOLLOWING: ANY TYPICAL APPLICABLE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NATIONAL BUILDING CODES AND ALL CITY, COUNTY AND STATE ORDINANCES. CONNECTOR PLATES ARE MADE OF 20X18/16GA (W X V)X¹/₈" ASTM A563 GRADE 40/50 (A / F) S. GALV. STEEL PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER HANDBOOK 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IP11-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IP1 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # 567

TC LL	20.0	PSF	REF R215--	38775
TC DL	10.0	PSF	DATE	09/07/06
BC DL	10.0	PSF	DRW	HCUSR215.06250003
BC LL	0.0	PSF	HC-ENG DAB/WHK	*
TOT.LD.	40.0	PSF	SEQN-	134769
DUR.FAC.	1.25		FROM	CDM
SPACING	24.0"		JREF-	1T0F215.Z01

ENGINEERING AND BRACING.
THE INSTITUTE, 583
1500 ENTERPRISE LN.,
HERMISTON, OR 97131.
FURNISHING THE
PROPERLY ATTACHED

[illegible][illegible]

PROVIDE A COPY OF THIS DESIGN TO THE MANUFACTURER OF THE EQUIPMENT TO BE USED. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE EQUIPMENT TO BE USED. THE DESIGN SHALL BE WITH THE FOLLOWING APPLICABLE PROVISIONS: (1) THE DESIGN SHALL BE MADE OF 20/18/16GA (1/8" X 1/8" X 1/8") OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, SHALL BE FOLLOWED BY (1) THE ACCEPTANCE OF PROFESSIONAL ENGINEER AND (2) THE SUITABILITY AND USE OF THE EQUIPMENT AS PER ANSI/TPI 1 SEC. 2.

****WARNING**** TRUSTS
 REFER TO BC51 1.03
 D'ONOFIO DR., SUITE
 MADISON, WI 53719)
 TOP CHORD SHALL HAVE
 RIGID CEILING.

****IMPORTANT**** FUTURE
 PRODUCTS, INC. SHAM
 TRUSS IN CONFORMAN
 DESIGN CONFORMS WITH
 CONNECTOR PLATES ARE
 PLATES TO EACH FACE
 ANY INSPECTION OF P
 DRAWING INDICATES
 DESIGN SHOWN. THE
 BUILDING DESIGNER P

ALPINE
ered Products, Inc.
Marley Drive
City, FL 33844
of Authorization # 567

Alpine Engineering
1950
Haines
FL Certificate

(3781 - Aubrey Land/Ring Residence / CONTRACTOR - Columbia County, FL - JC5)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

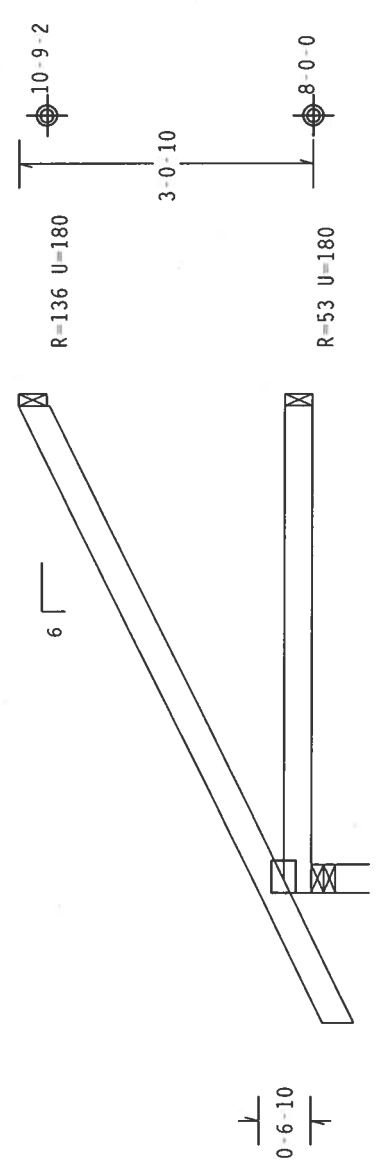
Wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt. ASCE 7-02. 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.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 3-0-10.



3X4 (B2) =

L=1-4-0

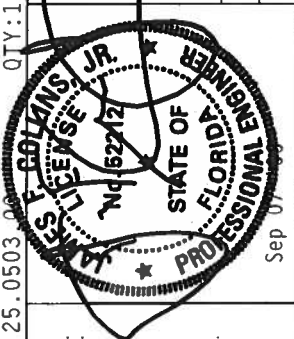
5-0-0 Over 3 Supports
R=311 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC
Cg/RT=1.00(1.25)/10(0)

Scale = .5" / Ft.

QTY:1	FL/-/5/-/-/R/-	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	R215--	38776
DATE	09/07/06	
DRW	HCUSR215 06250004	
HC-ENG	DAB/WHK	*
SEQN-	134772	
FROM	CDM	
JREF-	1T0F215_Z01	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. RESISTANCE WITH APPLICABLE ANDS (NATIONAL DESIGN SPEC. BY AFRPA) AND TPI. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, AND BRACING OF THE TRUSS. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER A SEAL ON THIS ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

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Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N

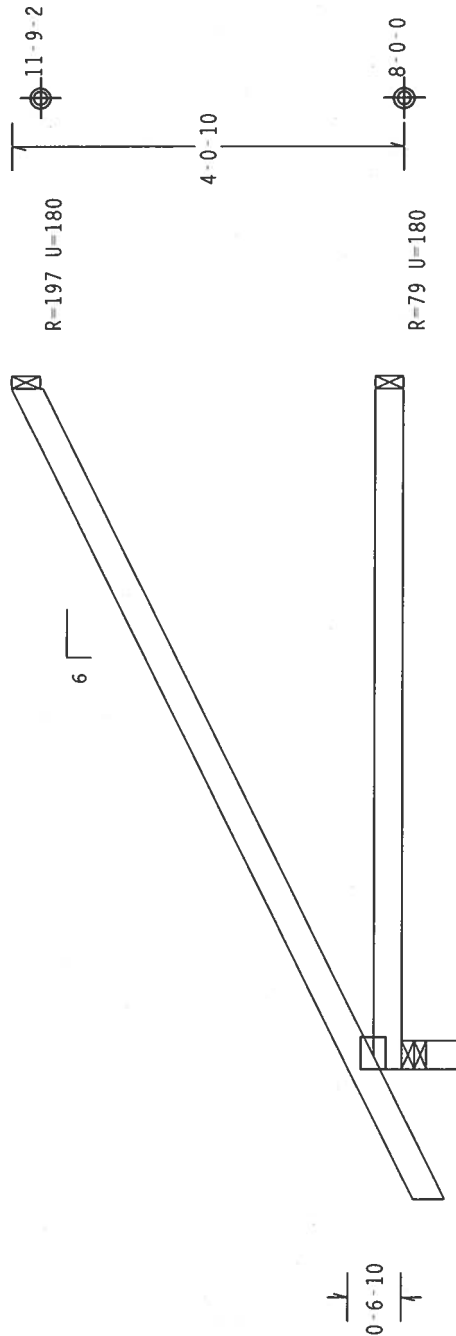
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

wind reactions based on MWFRS pressures.

Plates sized for a minimum of 3.00 sq.in./piece.

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 4-0-10.


$$3 \times 4(B2) =$$

7-4-07

7-0-0 Over 3 Supports

R=390 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7.25.0503.00$$

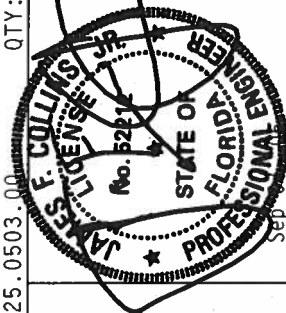
Scale = .5"/Ft.

QTY:1 FL/-/5/-/-/R/-

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH, 1015 N. MICHIGAN AVE., ANN ARBOR, MI 48106-0001, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.


ALPINE
Alpine Engineered Products, Inc.
 1950 Marley Drive
 Gaines City, FL 33844

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRODUCTS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THE NATIONAL DESIGN SPEC. INSTALLING & BRACING OF TRUSSES. CONNECTOR PLATES ARE MADE OF 20/18/16GA (4 W/5/3/4) ASTM A563 GRADE 40/60 (74 K/101 KSI) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANX 3 OF IPT1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/11 AND 2.



TC LL	20.0 PSF	REF	R215-- 38777
TC DL	10.0 PSF	DATE	09/07/06
BC DL	10.0 PSF	DRW	HCUSR215 06250005
BC LL	0.0 PSF	HC-ENG	DAB/WHK *
TOT.LD.	40.0 PSF	SEQN-	134775
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T0F215_Z01

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

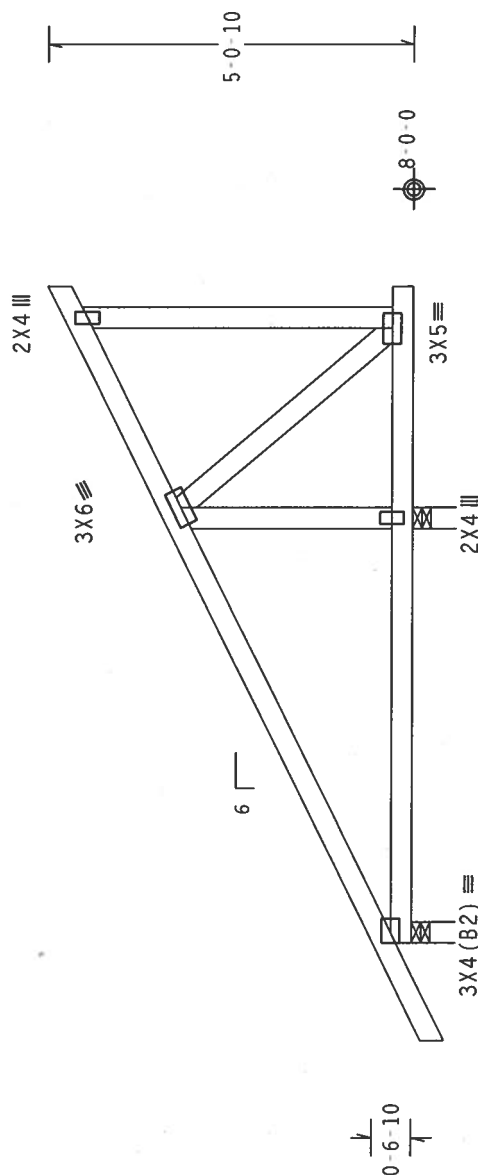
1110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

Right end vertical not exposed to wind pressure.

Plates sized for a minimum of 3.00 sq. in./piece.

The overall height of this truss excluding overhang is 5-0-10.



L-407

3.08

9-0-0 Over 2 Supports

R=270 U=180 W=3.5"

Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0) \quad 7$$

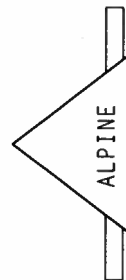
03

~~QTY: 1~~

$$\text{Scale} = 375''/\text{ft}$$

TC LL	20.0	PSF	REF	R215 --	38778
TC DL	10.0	PSF	DATE	09/07/06	
BC DL	10.0	PSF	DRW	HCUSR215	06250005
BC LL	0.0	PSF	HC-ENG	JK/WHK	
TOT.LD.	40.0	PSF	SEQN-	134782	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1T0F215_Z01	

Sep 07 '06



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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THIS CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLATION AND ERECTION OF THIS DESIGN. THIS DESIGN CONFORMS WITH THE AISC DESIGN PROVISIONS OF AISC NATIONAL DESIGN SPEC. BY AISC 360-10. THIS DESIGN IS FOR THE FABRICATING OF PLATES TO EACH FACE OF TRUSS AND JOINTS, UNLESS OTHERWISE NOTED ON THIS DESIGN. ALL INSPECTION OF PLATES FOLLOWED BY 1) SHALL BE PER ANEX A3 OF TP11 2002 SEC. 2. THE FOLLOWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY BY THE DESIGNER PER ANEX A3 OF TP11 2002 SEC. 2. THE FOLLOWING COMPONENT FOR BUILDING IS: BUILDING DESIGNER PER ANEX A3 OF TP11 1 SEC. 2.

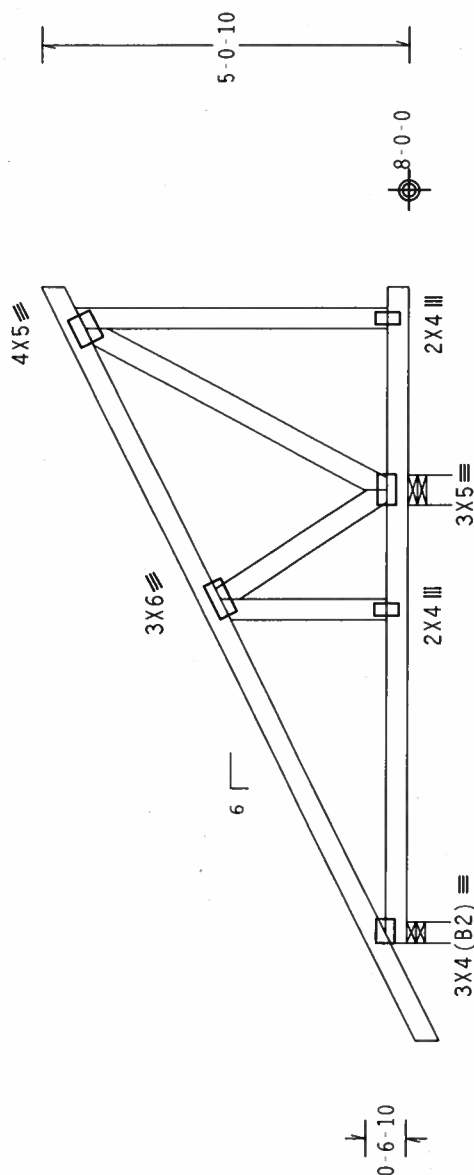
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

plates sized for a minimum of 3.00 sq.in./piece.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 5-0-10.



$\overleftrightarrow{1-4-0}$
 $\overleftrightarrow{9-0-0}$ Over 2 Supports
 $\overleftrightarrow{2-7-1}$
 $R=306$ $U=180$ $W=3.5"$
 $R=525$ $U=180$ $W=4.95"$

PLT TYP. Wave\ R

Scale = .375"/Ft.

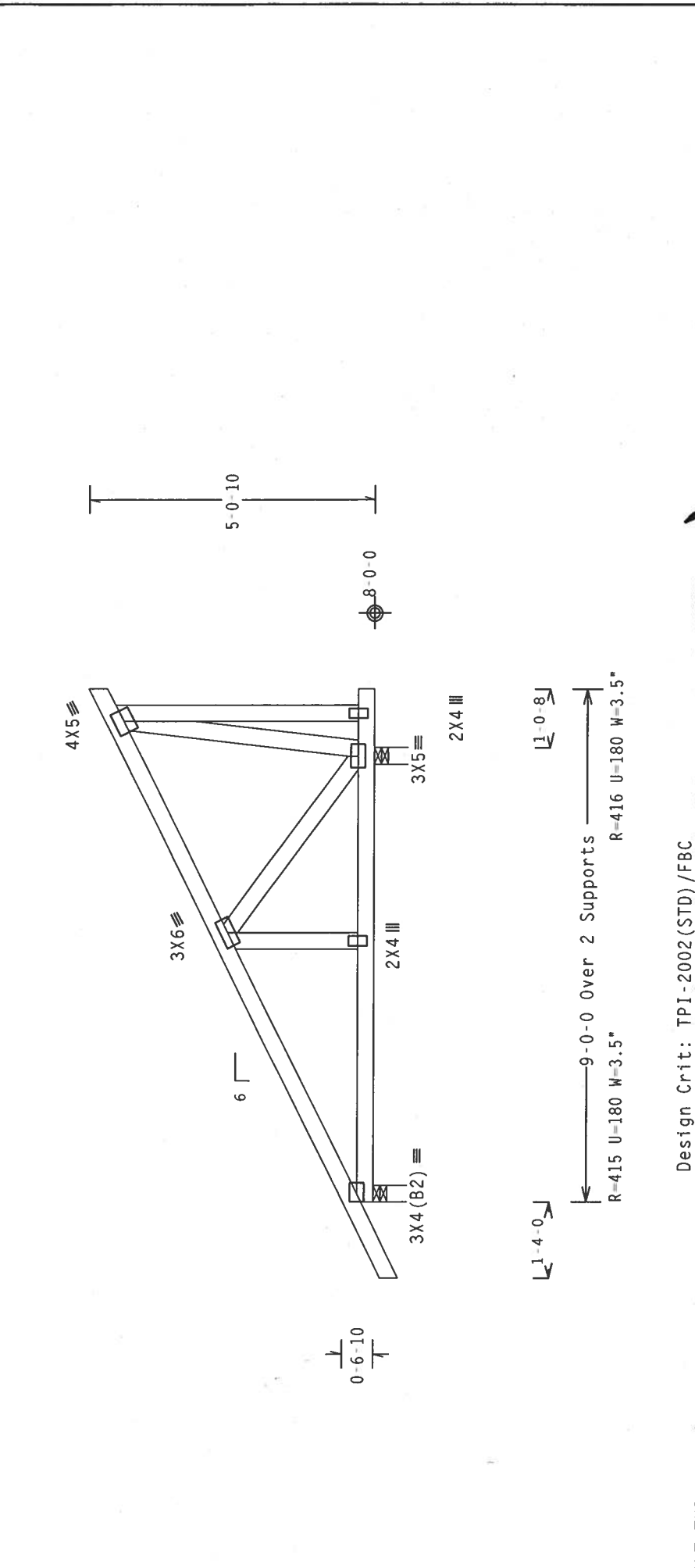
ALPINE Alpine Engineered Products, Inc. 1950 Mader Drive Gaines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'NEHRIO DR., SUITE 200, MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. **IMPORTANT**TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AF&P) AND TPI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (M, K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		REF R215 - 38779	TOT.L	20.0 PSF
	DATE 09/07/06		TC DL	10.0 PSF	
	DRW HCUSR215 06250006		BC DL	10.0 PSF	
	HC-ENG JK/WHK		BC LL	0.0 PSF	
	SEQN- 134785		TOT.LD.	40.0 PSF	
	FROM CDM		DUR.FAC.	1.25	
	JREF- 1T0F215_Z01		SPACING	24.0"	
Sep 07 '06					

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Right end vertical not exposed to wind pressure.
The overall height of this truss excluding overhang is 5-0-10.



PLT TYP. Wave\R

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215--	38780
TC DL	10.0 PSF	DATE	09/07/06	
BC DL	10.0 PSF	DRW	HCUSR215	06250007
BC LL	0.0 PSF	HC-ENG	JK/WHK	*
TOT.LD.	40.0 PSF	SEQN-	134788	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T0F215_Z01	

ALPINE

Alpine Engineered Products, Inc.

1950 Marley Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

STATE OF FLORIDA

PROFESSIONAL ENGINEER

SEP 07 2006

ALPINE ENGINEER

NO. 8212

JR

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017/160A (N.H/S/K) ASTM A653 GRADE 40/60 (N. K/H/S) GALV. STEEL. APPLY ANY INSPECTION OF PLATES ONE BY ONE. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS AND BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

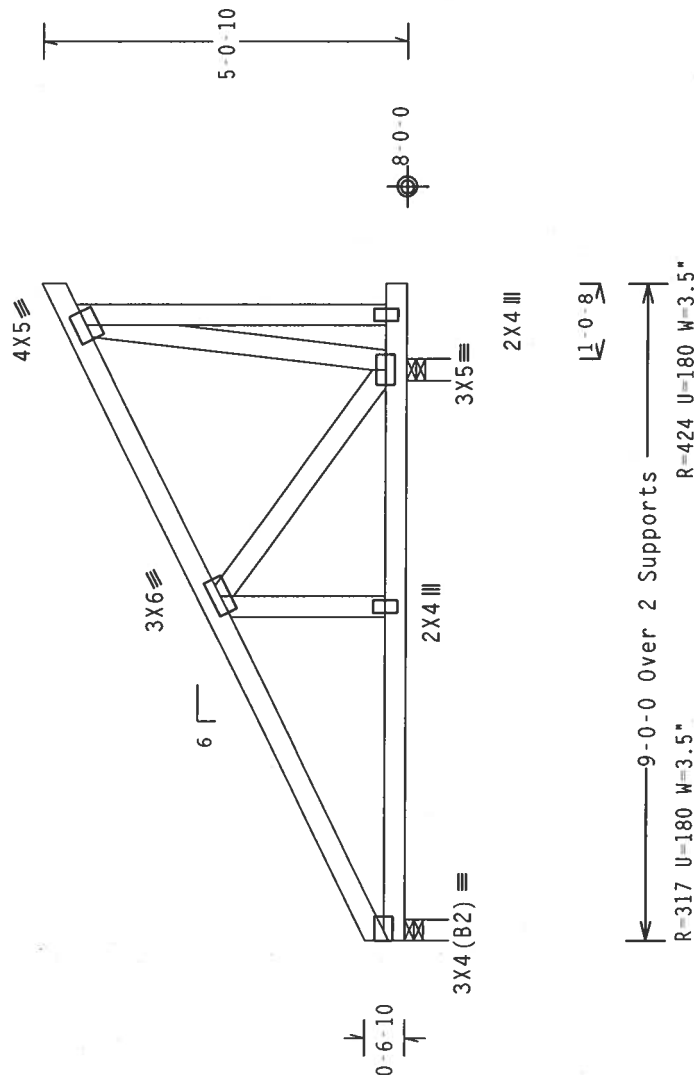
11110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq. in./piece.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 5-0-10.



Design Crit: TPI-2002(STD)/FBC

Scale = .375"/Ft.

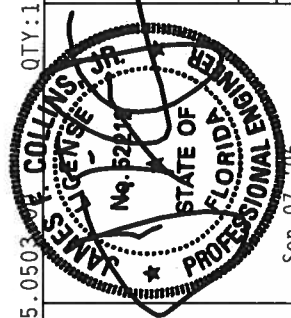
QTY:1 FL/-/5/-/-/R/-

 $Cq/RT=1.00(1.25)/10(0) \quad 7.25.0503$

PLT TYP. Wave/R

WARNING: THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUISE PLATE INSTITUTE, 1543 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALDINE ENGINEERS & ARCHITECTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE DESIGNER ASSUMES NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY THAT MAY OCCUR IF THE DESIGN DOESN'T CONFORM WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI: ALPINE TRUSS SYSTEMS, INC. (ALPINE TRUSS SYSTEMS, INC. IS THE MANUFACTURER OF THE TRUSS). THE DESIGNER SHALL PROVIDE PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI-1:2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS PROJECT. THE REMAINING PORTION OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX I(1) SEC.2.



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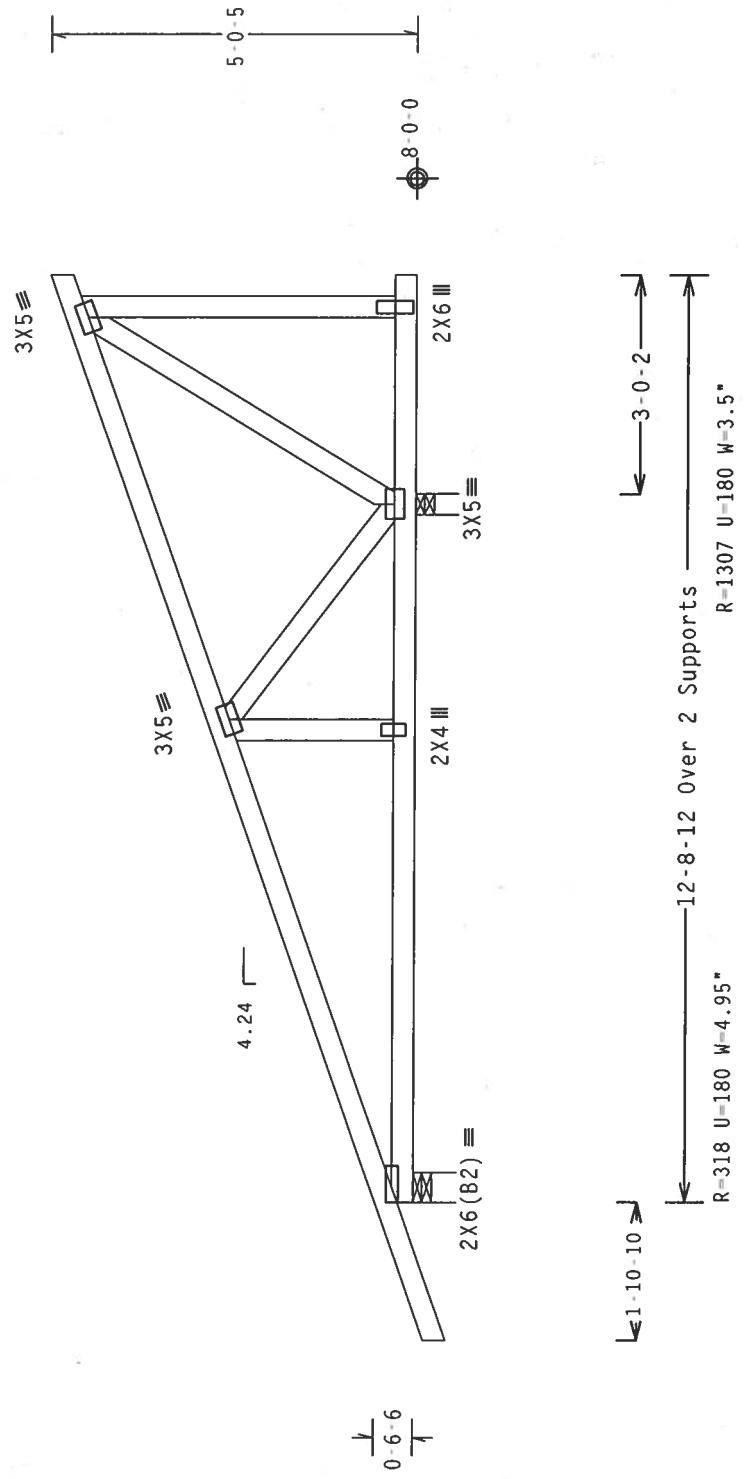
Haines City, FL 33844
FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Wind reactions based on MWFRS pressures.
Hipjack supports 8'-9" set back jacks. Jacks up to 7' have no webs.
Longer jacks supported to BC.
The overall height of this truss excluding overhang is 5'-0.5".

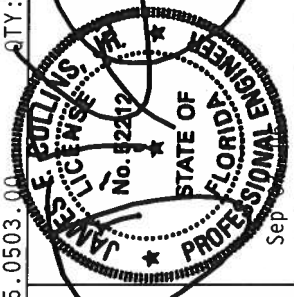
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R	QTY: 1	FL/-/5/-/R/-	Scale = .375"/Ft.
REF R215-- 38782	TC LL	20.0 PSF	
DATE 09/07/06	TC DL	10.0 PSF	
DRW HCUSR215 06250024	BC DL	10.0 PSF	
HC-ENG DAB/WHK	BC LL	0.0 PSF	
SEQN- 134779	TOT.LD.	40.0 PSF	
FROM CDM	DUR.FAC.	1.25	
JREF- 1T0F215_Z01	SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND MTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS TO THIS DESIGN SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.



ALPINE
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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Top	chord	2x4	SP	#2	N
Bot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Truss spaced at 24.0" OC designed to support 2'-0" top chord
outlookers. Cladding load shall not exceed 0.00 PSF. Top chord
must not be cut or notched.

Right end vertical not exposed to wind pressure.

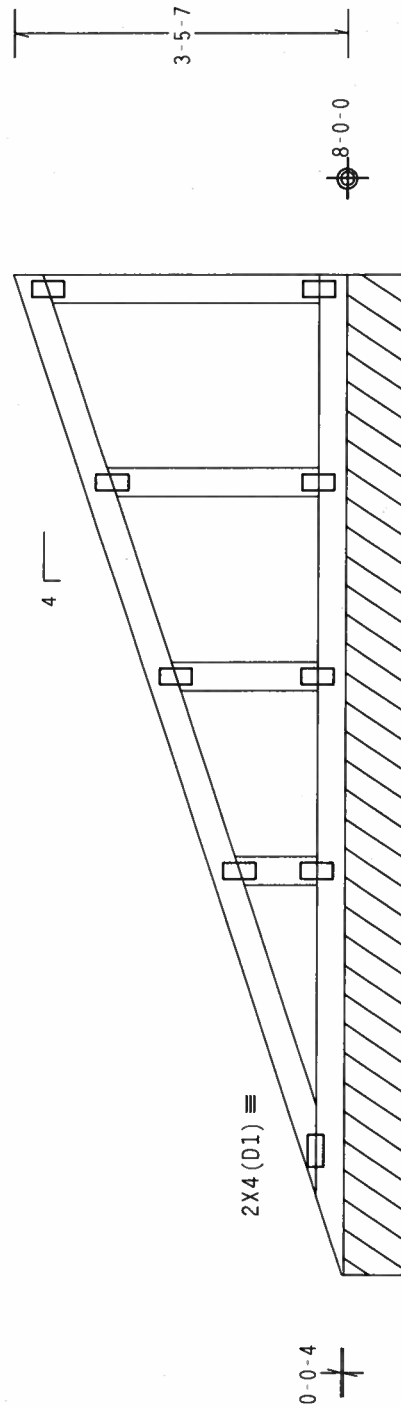
See DWGS A11015EE0405 & GBLLETIN0405 for more requirements.

Deflection meets L/360 live and L/240 total load.

Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 3-5-7.

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



10-3-8 Over Continuous Support

R=81 PLF U=62 PLF W=10-3-8

Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave\R

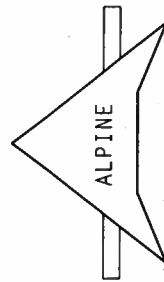
0503 0200

OTY·1 : EI / - / 5 / - / - / R / -

Scale = .5"/Ft.

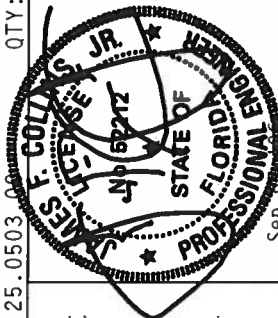
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1, BUILDING CODES, COMPOSITION, PUBLISHED BY FPI (CRUSS PAPER INSTITUTE, 583 D'ONGLOFF RD., SUITE 200, MADISON, WI, 53719), AND VICTOR TRUSS COMPANY, 6000 FERRISLE LN., MADISON, WI, 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE TRUSSES ARE DESIGNED TO BE USED AS A CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS AND REQUIREMENTS OF THE AISC STEEL EDITION 1989. ALL CONNECTOR PLATES ARE MADE OF 20/18/16GA (W 1/2X3/4) ASTM A563 GRADE 40/50 (A7). ALL GALV. STEEL PLATES TO EACH FACE ARE THICKNESS LOCATED ON THIS POSITION PER DRAWINGS 160A, 2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF IPTL 2002 SEC-3. A SEAL OR THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/AP1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

FL Certificate of Authorization # S67



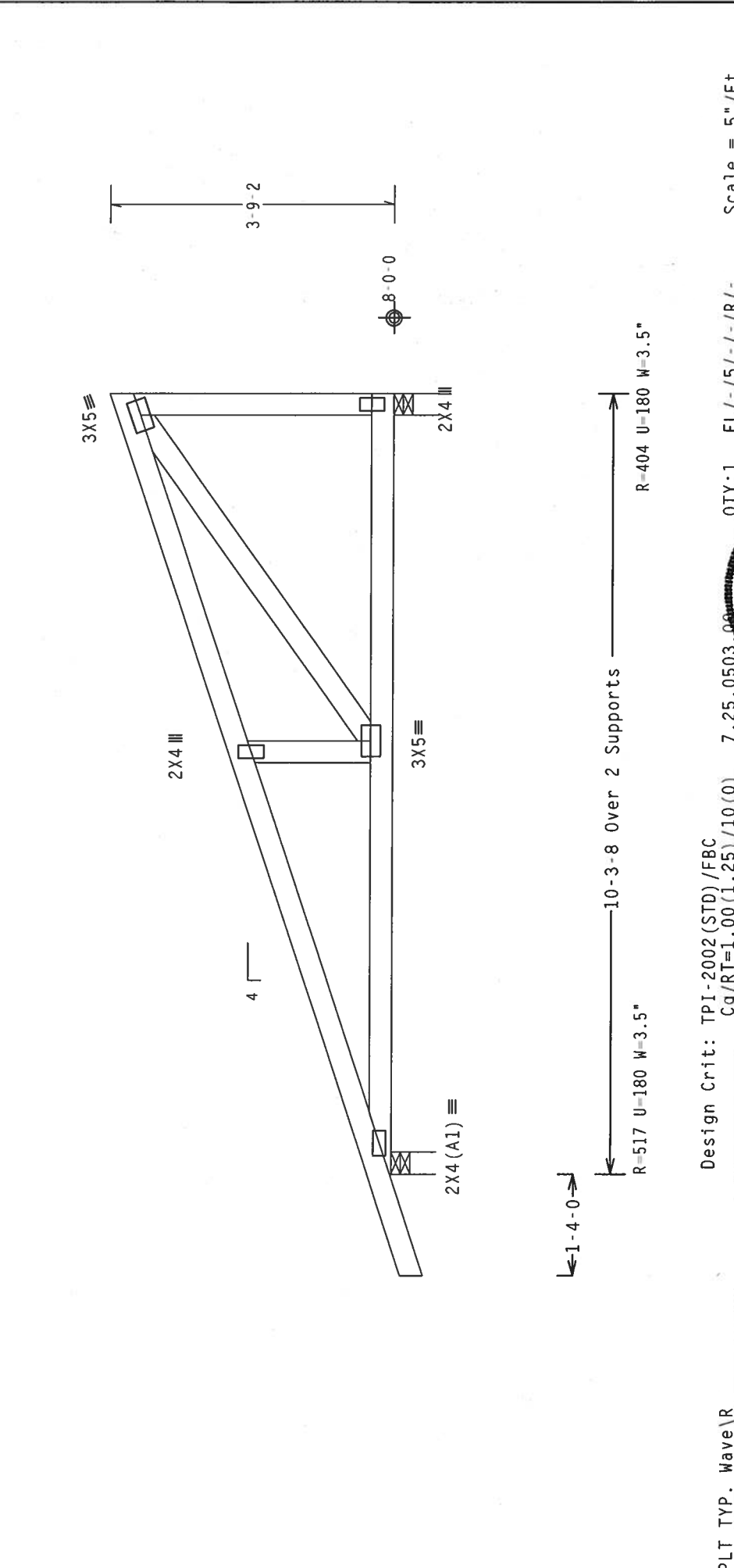
TC LL	20.0 PSF	REF	R215-- 38783
TC DL	10.0 PSF	DATE	09/07/06
BC DL	10.0 PSF	DRW	HCUHR215 06250010
BC LL	0.0 PSF	HC-ENG	JK/WHK
TOT.LD.	40.0 PSF	SEQN-	134650
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1T0F215_Z01

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Deflection meets L/360 live and L/240 total load.
Plates sized for a minimum of 3.00 sq.in./piece.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, 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.

Right end vertical not exposed to wind pressure.
The overall height of this truss excluding overhang is 3-9-2.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

Scale = 5" / Ft.

QTY:1

FL / - / 5 / - / R / -

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 R215 -- 38784

DATE 09/07/06

DRW HCUSR215 06250004

HC-ENG JK/WHK

SEQN- 134653

FROM CDM

JREF- 1T0F215_Z01

ALPINE

Alpine Engineered Products, Inc.

1950 Marney Drive

Haines City, FL 33844

FL Certificate of Authorization # 567

James F. Collins, P.E.

Professional Engineer

State of Florida

My Exp. 09/22/27

Sep 07

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

(3781 - Aubrey Land/Ring Residence /CONTRACTOR -- Columbia County, FL - PB-D1)

Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

Plates sized for a minimum of 3.00 sq.in./piece.

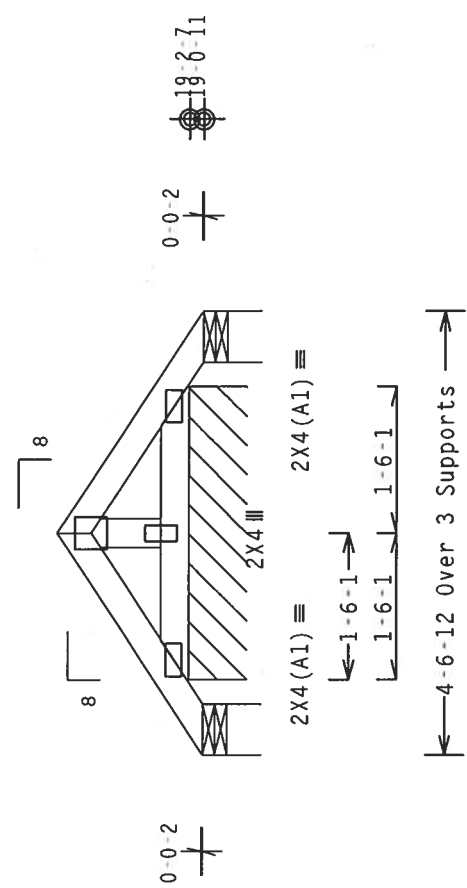
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

Deflection meets L/360 live and L/240 total load.

The overall height of this truss excluding overhang is 16'-4".

4X4



R-15 U=180 W=6.31"
(6.122" Effective Contact)

R-15 U=180 W=6.31"
(6.122" Effective Contact)

R-81 PLF U-21 PLF W-3-0-2

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave/R

Cq/RT=1.00(1.25)/10(0)

QTY:1

FL/-/5/-/-/R/-

Scale = .5"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-H/57K) ASTM A553 GRADE 40/60 (4. K/MILS) GALV. STEEL. APPLY A LAYER OF PROTECTANT TO ALL EXPOSED SURFACES OF TRUSSES. UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ALL TRUSSES SHALL BE DESIGNED AND MANUFACTURED IN ACCORDANCE WITH TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR.
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
No. 52212
Sep 07 '06

TC LL	20.0 PSF	REF	R215--	38785
TC DL	10.0 PSF	DATE	09/07/06	
BC DL	2.0 PSF	DRW	HCUSR215	06250029
BC LL	0.0 PSF	HC-ENG	DAB/WHK	
TOT.LD.	32.0 PSF	SEQN-	134664	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T0F215_Z01	

Top	chord	2x4	SP	#2	N
30t	chord	2x4	SP	#2	N
	Webs	2x4	SP	#2	N

111111 mph wind, 19.64 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Truss spaced at 24.0" OC designed to support 2-0-0 top chord outlookers. Cladding load shall not exceed 0.00 PSF. Top chord must not be cut or notched.

Deflection meets L/360 live and L/240 total load.

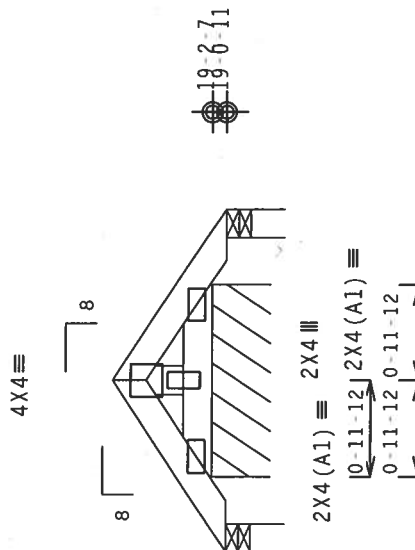
Plates sized for a minimum of 3.00 sq.in./piece.

The overall height of this truss excluding overhang is 12-2-12.

REFER TO PIGBACKA0405 OR PIGBACKB0405 FOR PIGYBACK DETAILS.

TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED

@ 24" O.C., UNLESS OTHERWISE SPECIFIED:



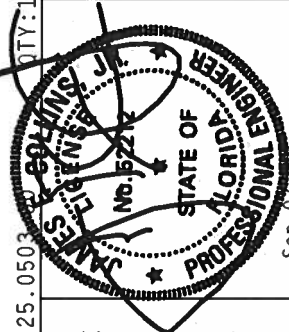
3-6-3 Over 3 Supports

R=30 U=180 W=3.5" R=30 U=180 W=3.5"
R=98 PLF U=158 PLF W=111-9

Design Crit: TPI-2002(STD)/FBC

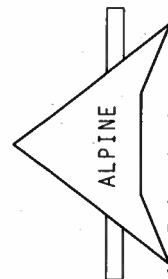
Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215--	38786
TC DL	10.0 PSF	DATE	09/07/06	
BC DL	10.0 PSF	DRW	HCUSR215	06250008
BC LL	0.0 PSF	HC-ENG	JK/WHK	
TOT.LD.	40.0 PSF	SEQN-	134857	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1T0F215	Z01



~~Sep 07 '06~~

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03, BUILDING COMPONENT SAFETY INFORMATION, FOR THE LATEST LIST OF TRUSS MANUFACTURERS. TRUSS MANUFACTURERS TO CONTACT: AMERICAN TRUSS INSTITUTE, 983 N. OXFORD DR., SUITE 200, MADISON, WI 53719; AND WICA (WOOD TRUSS COUNCIL OF AMERICA), 1000 TRUSS DR., SUITE 200, MADISON, WI 53719. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

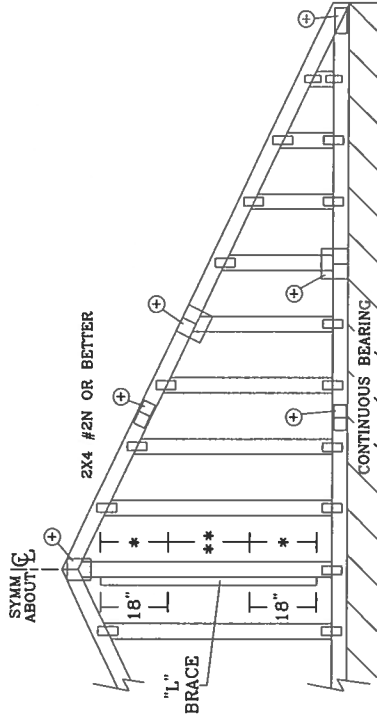
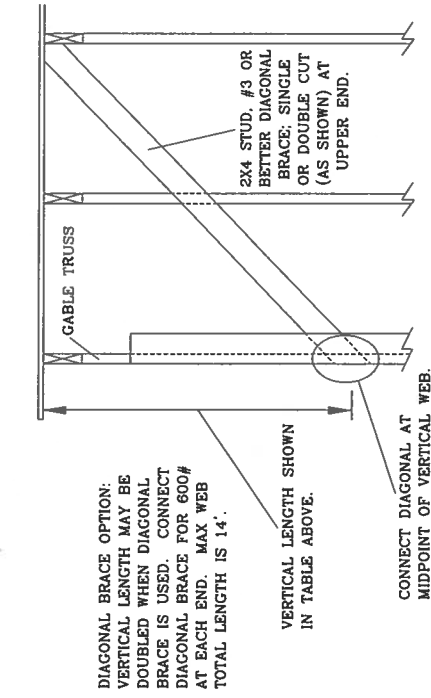
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Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # S67
 Gaines City, FL 33844

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

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



BRACING GROUP SPECIES AND GRADES:

GROUP A:

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

DOUGLAS FIR-LARCH

DOUGLAS FIR-LARCH		SOUTHERN PINE	
#1	STUD	#3	STUD
#2	STANDARD	#3	STANDARD

GROUP B:

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

SOUTHERN PINE

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

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

CABLE 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" BRACES: SPACE NAILS AT 2" O.C. IN 18" END ZONES AND 4" O.C. BETWEEN ZONES.

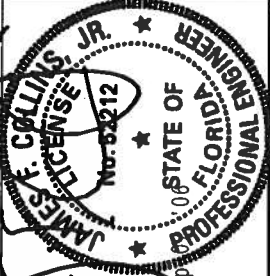
** FOR (2) "L" BRACES: SPACE NAILS AT 3" O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

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

GABLE VERTICAL PLATE SIZES

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

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



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 DUNDRIED DR., SUITE 200, MADISON, WI. 53719) AND WTC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/X) ASTM A653 GRADE 40/60 (W/H/S/X) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY THIS DESIGN, POSITION PLATES 16GA-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE TRUSS COMPANY'S DESIGN MANUAL. THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY'S DESIGN SHALL BE THE DESIGNER, PER ANSI/TPI 1 SEC. 2.

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

REF	ASCE7-02-GAB11015
DATE	04/15/05
DRWG	A11015EE0405
-ENG	

MAX. TOT. LD. 60 PSF	MAX. SPACING 24.0"
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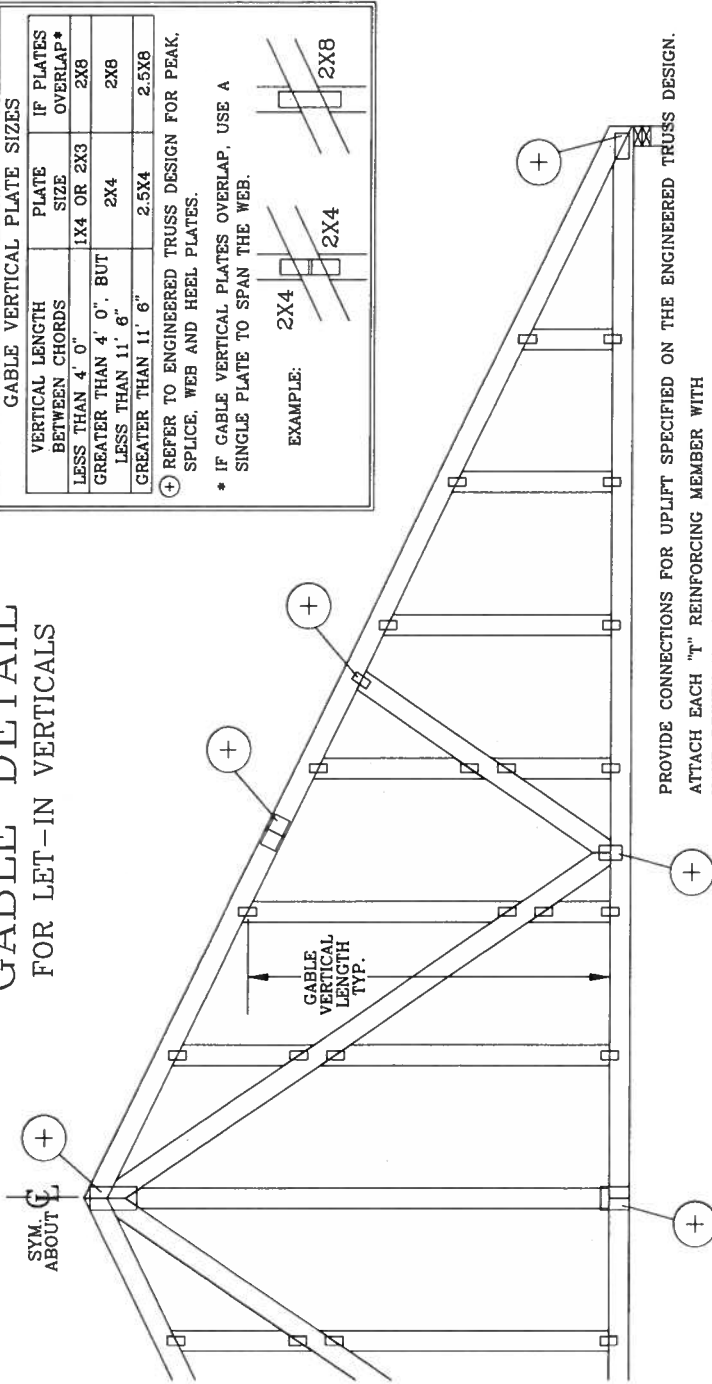
GABLE DETAIL FOR LET-IN VERTICALS

GABLE VERTICAL PLATE SIZES		
VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

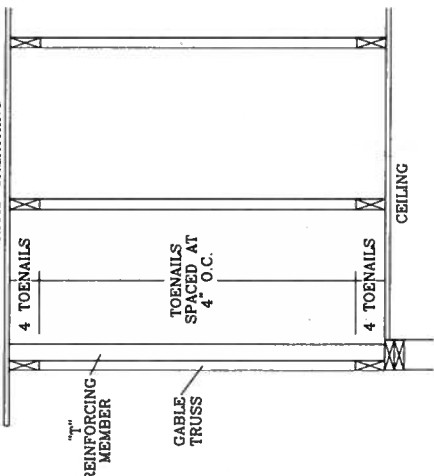
+ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE: 2X4 2X8



RIGID SHEATHING



PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

10d COMMON (0.148" X 3" MIN) TOENAILS AT 4" O.C. PLUS

(4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS

(4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

A11015EN1103, A09015EN1103, A08015EN1103, A07015EN1103

A11030EN1103, A10030EN1103, A09030EN1103, A08030EN1103, A07030EN1103

ASCE 7-98 GABLE DETAIL DRAWINGS

A13015EC1103, A12015EC1103, A11015EC1103, A10015EC1103, A08515EC1103

A13030EC1103, A12030EC1103, A11030EC1103, A10030EC1103, A08530EC1103

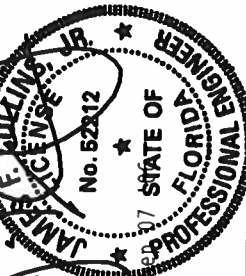
ASCE 7-02 GABLE DETAIL DRAWINGS

A13015EE0405, A12015EE0405, A11015EE0405, A10015EE0405, A08515EE0405, A13030EE0405, A12030EE0405, A11030EE0405, A10030EE0405, A08530EE0405

SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

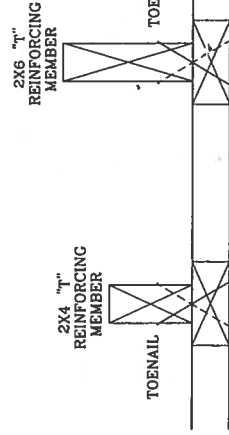
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 E. BROADWAY DR., SUITE 200, MADISON, WI 53719 AND WTCA (WOOD TRUSS COUNCIL) 1000 N. 10TH ST., SUITE 100, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL BE PROPERLY ATTACHED TO RIGID CEILING STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD CONSTRUCTION) AND ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A553 GRADE, 40/60 (W/K/H/S) GALV. STEEL W/PLATE. IF ANY INSPECTION OF PLATES FOR DEFECTS IS REQUIRED, IT SHALL BE PER ANNEX A3 OF TPI 1-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2.



THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	04/14/05
DRWG	GBLETTIN0405
-ENG	DLJ/KAR
MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

EXAMPLE:

ASCE WIND SPEED = 100 MPH

MEAN ROOF HEIGHT = 30 FT

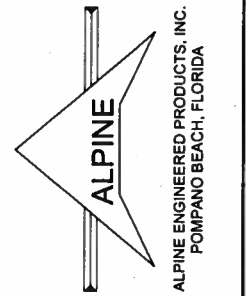
GABLE VERTICAL = 24" O.C. SP #3

"T" REINFORCING MEMBER SIZE = 2X4

"T" BRACE INCREASE (FROM ABOVE) = 10% = 1.10

(1) 2X4 "L" BRACE LENGTH = 6' 7"

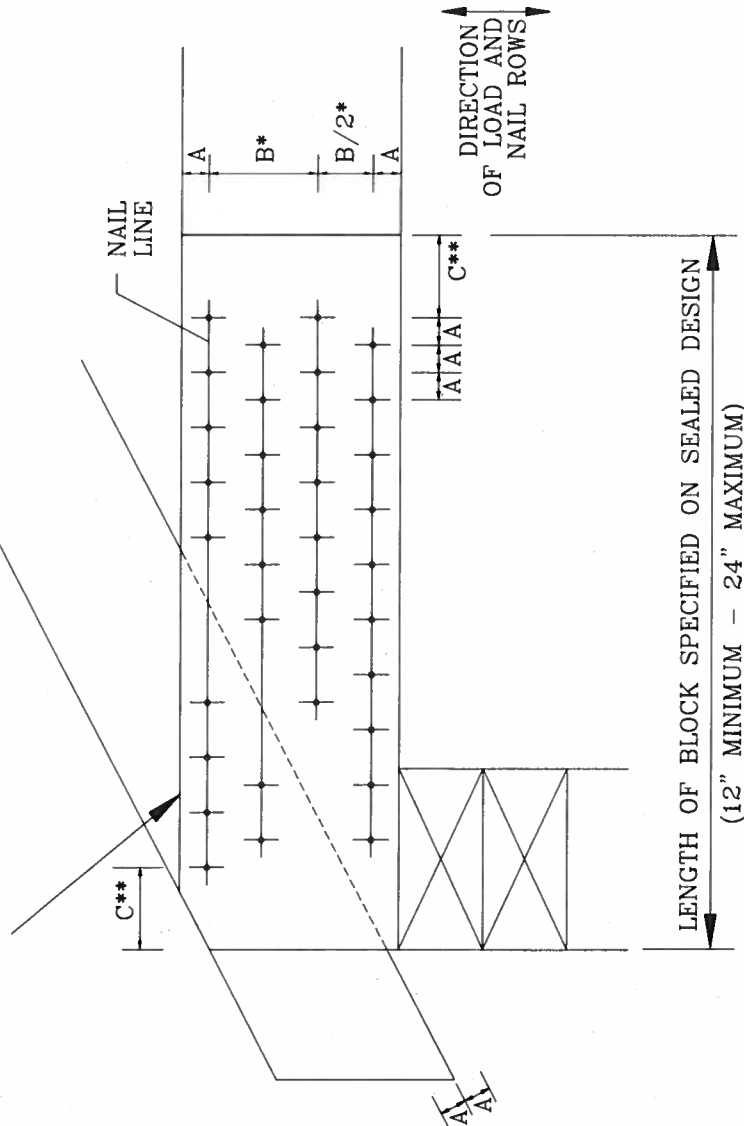
MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH = 1.10 x 6' 7" = 7' 3"



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

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

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fc-perp) IS AT LEAST THAT OF THE CHORD.

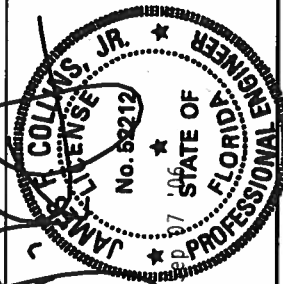


MINIMUM NAIL SPACING DISTANCES

DISTANCES	
NAIL TYPE	A B* C**
8d BOX (0.113"x2.5")	3/4" 1 3/8" 1 3/4"
10d BOX (0.128"x3")	7/8" 1 5/8" 2"
12d BOX (0.128"x3.25")	7/8" 1 5/8" 2"
16d BOX (0.135"x3.5")	7/8" 1 5/8" 2 1/8"
20d BOX (0.148"x4")	1" 1 7/8" 2 1/4"
8d COMMON (0.131"x2.5")	7/8" 1 5/8" 2"
10d COMMON (0.148"x3")	1" 1 7/8" 2 1/4"
12d COMMON (0.148"x3.25")	1" 1 7/8" 2 1/4"
16d COMMON (0.162"x3.5")	1" 2" 2 1/2"
0.120"x2.5" GUN	3/4" 1 1/2" 1 7/8"
0.131"x2.5" GUN	7/8" 1 5/8" 2"
0.120"x3.0" GUN	3/4" 1 1/2" 1 7/8"
0.131"x3.0" GUN	7/8" 1 5/8" 2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

REF	BEARING BLOCK
DATE	11/26/03
DRWG	CNBRGBLK1103
-ENG	SJP/KAR



• **WARNING—** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST-1-03 BUILDING COMPONENT SAFETY INFORMATION PUBLISHED BY THE NATIONAL PLATE INSTITUTE, 583 DUNDRAFF DR., SUITE 200, MADISON, WI 53719 AND VCA WOOD TRUSS COMPANY, 1001 W. ALPINE AVE., SUITE 200, MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING ANY OF THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID JOINT.

IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY DEVIATION FROM THE BUILDING TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS NATIONAL DESIGN SPEC. BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI. STEEL CONNECTOR PLATES ARE MADE OF 2018/16GA X/MS/ASTM A653 GRADE 40/60 GALV/HP. STEEL CONNECTOR PLATES ARE MADE OF 2018/16GA X/MS/ASTM A653 GRADE 40/60 GALV/HP. GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY THE PERMITS. POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN. THE SUITABILITY AND USE OF THIS DESIGN COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSI/TPI 1 SEC. 2

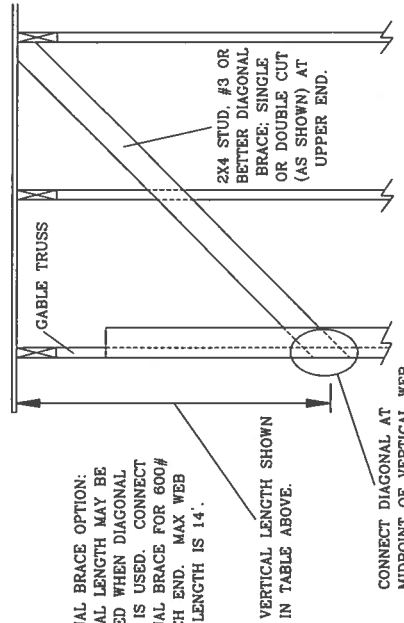


ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

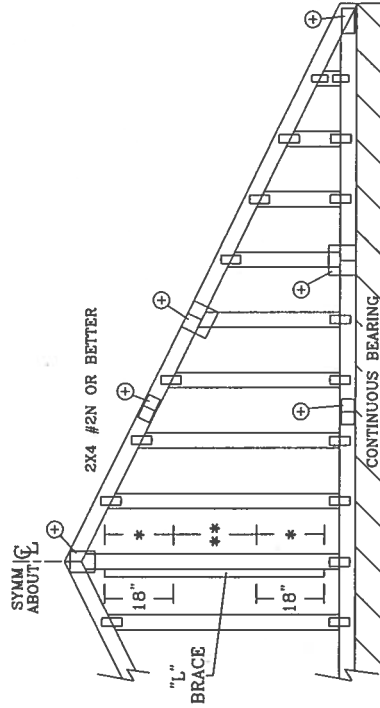
2X4 GABLE VERTICAL SPACING		BRACE		NO BRACES	(1) 1X4 "L" BRACE •		(1) 2X4 "L" BRACE •		(2) 2X4 "L" BRACE ••		(1) 2X6 "L" BRACE •		(2) 2X6 "L" BRACE ••		(1) 2X6 "L" BRACE •		(2) 2X6 "L" BRACE ••							
		GABLE SPECIES	GRADE		GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP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

MAX GABLE VERTICAL LENGTH

DIAGONAL BRACE OPTION:
VERTICAL LENGTH MAY BE
DOUBLED WHEN DIAGONAL
BRACE IS USED. CONNECT
DIAGONAL BRACE FOR 600#
AT EACH END. MAX WEB
TOTAL LENGTH IS 14'.



CONNECT DIAGONAL AT
MIDPOINT OF VERTICAL



REFER TO CHART ABOVE FOR MAX ~~CABLE~~ VERTICAL LENGTH

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).

CABLE 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.

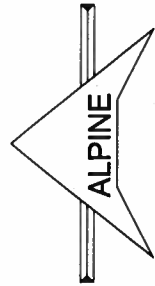
GABLE VERTICAL PLATE SIZES	
VERTICAL LENGTH	NO SPlice
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

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

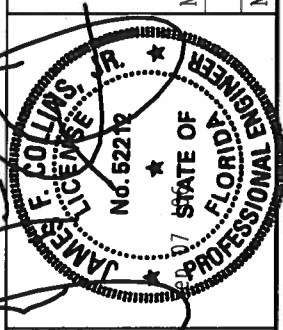
+ REFER TO COMMON TRUSS DESIGN PEAK SPLICE AND HEEL PLATES

[illegible]

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ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA



REF	ASCE7-98-GABI1015
DATE	11/26/03
DRWG	A11015EC1103
-ENG	
MAX. TOT. LD. 60 PSF	
MAX. SPACING	24.0"

TC LL	PSF	REF	CLB SUBST.
TC DL	PSF	DATE	11/26/03
BC DL	PSF	DRWG	BRCLBSUB1103
BC LL	PSF	-ENG	MLH/KAR
TOT. LD.	PSF		
DUR. FAC.			
SPACING			