

DATE 10/31/2005

Columbia County Building Permit

PERMIT 000023794

This Permit Expires One Year From the Date of Issue

APPLICANT MIKE TODD

ADDRESS 129 NE COLBURN AVENUE

OWNER PHIL & PAT RICHER

ADDRESS 755 NW DOGWOOD TERRACE

CONTRACTOR MIKE TODD

LOCATION OF PROPERTY LAKE JEFFERY ROAD TO OAKHAVEN S/D, TL GO 1 BLK TO INDIAN

SPRINGS, TL GO 1 BLK TO DOGWOOD, TL AND ITS 6/10 OF A MI. ON L

TYPE DEVELOPMENT SFD/UTILITY

HEATED FLOOR AREA 3540.00

FOUNDATION CONC

LAND USE & ZONING A-3

Minimum Set Back Requirements: STREET-FRONT 30.00

NO. EX.D.U. 0

FLOOD ZONE XFP

DEVELOPMENT PERMIT NO.

PARCEL ID 12-3S-15-00167-222

LOT 15

BLOCK B

PHASE

UNIT 2

TOTAL ACRES 4.00

COMMENTS: 1 FOOT ABOVE ROAD

000000872

Culvert Permit No.

Culvert Waiver

Contractor's License Number

CGC006209

Applicant/Owner/Contractor

JTH

Approved for Issuance

New Resident

Y

18"X32"MITERED

Driveway Connection

Septic Tank Number

05-0999-N

BLK

LU & Zoning checked by

Approved for Issuance

JTH

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New Resident

Y

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- 23794 -

William H. Freeman, P.E.
President
Cert. Of Authorization #00008701



Sincerely,

I have reviewed the Flood Insurance Rate Map and have determined the property is not located in a flood zone. I have performed a site evaluation of the existing area. I certify that placing the finished floor elevation at least 12" above existing grade is adequate to prevent flood and water damage. Grade the perimeter so that all runoff drains away from the building.

To whom it may concern:

RE: Lot 15 BLOCK B, OAK HAVEN SUBDIVISION UNIT 2

Columbia County Building and Zoning

November 3, 2005



Engineers • Planners

161 N.W. Madison St., Suite 102
Lake City, Florida 32055
Tel: 386-758-4209
Fax: 386-758-4290

Columbia County Building Permit Application

Revised 9-23-04

For Office Use Only	Application #	0509-77	Date Received	9/28/05	By	OK JTH	Permit #	872/-23794	
Application Approved by - Zoning Official	BLK	Date	9/11/05	Plans Examiner	OK JTH	Date	10-12-05	Flood Zone	Xpert
Comments	NOC, site plan see last page of plans								

Applicants Name	Mike Todd Construction Inc	Address	129 NE Colburn Avenue Lake City FL 32055	Phone	380755 4387
Owners Name	Phil & Pat Richer	Address	755 NW Dogwood Terrace Lake City 32055	Phone	501 307 7198
Contractors Name	Mike Todd Construction Inc	Address	129 NE Colburn Ave Lake City 32055	Phone	380755 4387
Fee Simple Owner Name & Address	N/A				
Bonding Co. Name & Address	N/A				
Architect/Engineer Name & Address	N/A				
Mortgage Lenders Name & Address	N/A				

Circle the correct power company -	FL Power & Light -	Clay Elec.	Suwannee Valley Elec.	Progressive Energy				
Property ID Number	12-35-15-00107-222							
Estimated Cost of Construction	\$307,000							
Subdivision Name	Oak Haven							
Driving Directions	Rt. 9 miles to Oak Haven S/D Turn Left 1st Left in Indian Springs, 1st Left Turn RT on Dorwood - 6 mi on left							
Type of Construction	New Residential							
Number of Existing Dwellings on Property	0							
Total Acreage	4							
Lot Size	Do you need a Culvert Permit or Culvert Waiver or Have an Existing Drive							
Actual Distance of Structure from Property Lines -	Front	190'	Side	90'	Side	98.67'	Rear	393'
Total Building Height	17'6"							
Number of Stories	1							
Heated Floor Area	3540							
Roof Pitch	5/12							
Garage	868							
Total	4772							
PLAN SHOW	3269							

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 Agent (Including Contractor)	[Signature]	
STATE OF FLORIDA	COUNTY OF COLUMBIA	
Sworn to (or affirmed) and subscribed before me	this 27th day of September 2005	
Personally known or Produced Identification	[Signature]	
Notary Signature	[Signature]	
Notary Seal	Notary Public State of Florida My Commission DD071248 Expires November 12, 2005	
Contractor Signature	[Signature]	
Contractors License Number	6006209	
Competency Card Number	[Blank]	
NOTARY STAMP/SEAL	[Blank]	

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION
Residential Component Prescriptive Method B
NORTH 1 2 3

Compliance with Method B of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptive packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: <u>Richer</u>	BUILDER: <u>Mike Todd Const, Inc.</u>	CLIMATE	ZONE: <u>1</u>	PERMIT NO.: <u>23794</u>	JURISDICTION NO.: <u>23794</u>
AND ADDRESS: <u>1755 NW Dogwood Ter</u>	OFFICE: <u>Mike Todd Const, Inc.</u>				
OWNER: <u>Pat & Richer</u>					

GENERAL DIRECTIONS
1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" from Table 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Read, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

Please Print

CK

1. Compliance package chosen (A-F)

2. New construction or addition

3. Single family detached or Multifamily attached

4. If Multifamily—No. of units covered by this submission

5. Is this a worst case? (yes / no)

6. Conditioned floor area (sq. ft.)

7. Predominant eave overhang (ft.)

8. Glass type and area :
a. Clear glass
b. Tint, film or solar screen

9. Percentage of glass to floor area

10. Floor type, area or perimeter, and insulation:
a. Slab on grade (R-value)
b. Wood, raised (R-value)
c. Wood, common (R-value)
d. Concrete, raised (R-value)
e. Concrete, common (R-value)

11. Wall type, area and insulation:
a. Exterior: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
b. Adjacent: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)

12. Ceiling type, area and insulation:
a. Under attic (Insulation R-value)
b. Single assembly (Insulation R-value)
13. Air Distribution System: Duct insulation, location
Test report (attach if required)

14. Cooling system
(Types: central, room unit, package terminal A.C., gas, none)

15. Heating system:
(Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)

16. Hot water system:
(Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)

1. <u>NEW</u>	11a-1	R=	sq. ft.
2. <u>SINGLE</u>	11a-2	R= <u>13</u>	sq. ft.
3. <u>N/A</u>	11b-1	R=	sq. ft.
4. <u>N/A</u>	11b-2	R=	sq. ft.
5. <u>NO</u>	12a	R= <u>38</u>	sq. ft.
6. <u>3269</u>	12b	R= <u>6</u>	sq. ft.
7. <u>NO</u>	13	R=	sq. ft.
8a. <u>438</u>	14a	Type: <u>Central</u>	SEER/EER: <u>13.0</u>
8b. <u>13</u>	14b	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
9. <u>13</u>	14c	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10a. <u>0</u>	15a	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10b. <u>0</u>	15b	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10c. <u>0</u>	15c	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10d. <u>0</u>	15d	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10e. <u>0</u>	15e	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10f. <u>0</u>	15f	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10g. <u>0</u>	15g	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10h. <u>0</u>	15h	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10i. <u>0</u>	15i	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10j. <u>0</u>	15j	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10k. <u>0</u>	15k	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10l. <u>0</u>	15l	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10m. <u>0</u>	15m	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10n. <u>0</u>	15n	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10o. <u>0</u>	15o	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10p. <u>0</u>	15p	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10q. <u>0</u>	15q	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10r. <u>0</u>	15r	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10s. <u>0</u>	15s	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10t. <u>0</u>	15t	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10u. <u>0</u>	15u	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10v. <u>0</u>	15v	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10w. <u>0</u>	15w	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10x. <u>0</u>	15x	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10y. <u>0</u>	15y	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>
10z. <u>0</u>	15z	Capacity: <u>57.8</u>	Type: <u>Heat Pump</u>

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

DATE: _____
BUILDING OFFICIAL: _____

DATE: 9/2/21
PREPARED BY: [Signature]
I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.

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

Warranty Deed

Individual to Individual

not:2003011511 Date:06/02/2003 Time:16:05

oc Stamp-Deed : 277.20

DC,P.Dewitt Cason,Columbia County B:984 P:2310

THIS WARRANTY DEED made the 30th day of May, 2003

Gail E. Oller Clardon

hereinafter called the grantor, to

Philip N. Richer, and his wife, Patricia C. Richer

whose post office address is: 697 Whippoorwill Row, Palm Beach, FL 33411

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# R00167-222

Lot 15, Block B, Oakhaven Unit II, a subdivision as per plat thereof recorded in Plat Book 5, Pages 86-86A, Public Records of Columbia County, Florida.

The above described property is not the homestead property of the aforesaid grantor who in fact resides at: 5461-H Lake Margaret DR, Orlando, FL 32812.

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, 2001.

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:

Witness: Mason Delaney

Witness: Allen Demand

STATE OF

COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 30th day of May, 2003 by Gail E. Oller Clardon personally known to me or, if not personally known to me, who produced Driver's License No. C445-225 (66-456-0 for identification and who did not take an oath.

Notary Public

(Notary Seal)

Peter S Dhanraj
My Commission DD123803
Expires July 14, 2008

Prepared by:
Michael H. Harrell
Abstract & Title Services, Inc.
382 SW Baya Drive
Lake City, FL 32025

DIRECTIONS TO RICHER

Lake Jeffrey Hwy,
approximately 9.0 miles to Oak Haven Subdivision
Turn Left
1 block, turn Left on Indian Springs
1 block, turn Right on Dogwood
0.6 miles on Left



- Outstanding Value
 - Sizes from 14 to 119 Gallons
 - Tough Glass Finish
 - Proven Diaphragm Design
- WEL-FLO®**
Pre-pressurized
Water System Tanks

AMTROL
INC.



PHONE NO. : 752-1477
FAX : 752-1477
E-MAIL : LUNCH WEL DRILLING 752-1477

MAR. 13 2002 02:23PM P.1

1. Air Valve. Allows air to be put into tank. Must be at or 2 psi below cut-in pressure with tank empty.

2. Pressure switch. Sets cut-in and cut-off pressure for pump.

3. Pressure gauge. Shows actual pressure in tank.

4. Hose bibb. May be used to drain tank or for watering purposes.

5. Pressure release valve. Safety device to prevent explosion of tank.

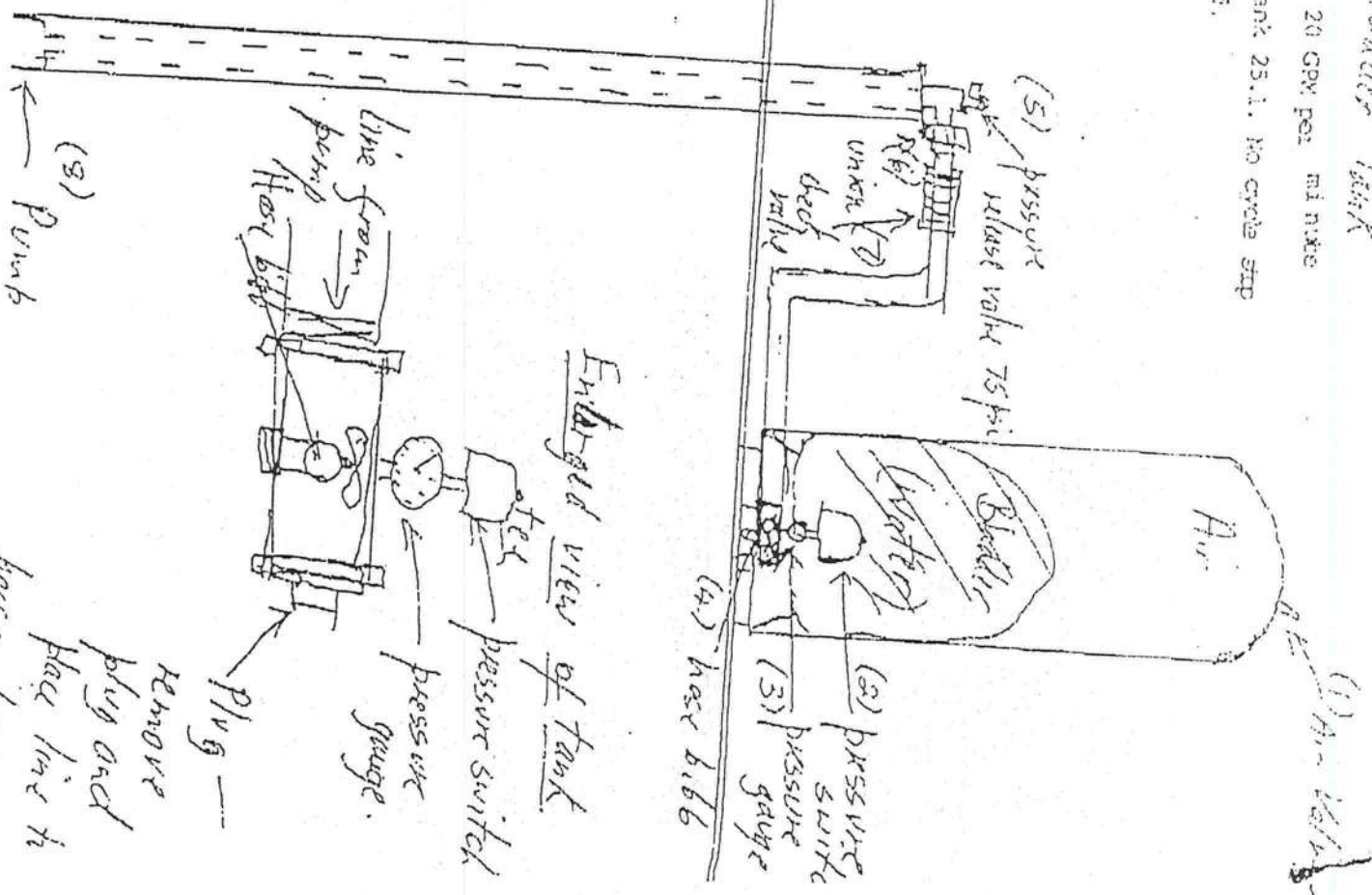
6. Union. Used to separate tank from well.

Check valve. Prevents water from running back down well.

7. Pump. Pumps water up from well into tank.

Bladder Tank

1 HP pump has a 20 GPM per minute
Draw down on tank 25.1. No cycle stop
valve will be used.



Compliance with Method B of the Florida Energy Efficiency Code may be demonstrated by the use of Form 600B for single and multifamily residences of 3 stories or less in height, and additions to existing residential buildings. To comply, a building must meet or exceed all of the energy efficiency prescriptives in any one of the prescriptive component packages and comply with the prescriptive measures listed in Table 6B-1 of this form. An alternative method is provided for additions of 600 square feet or less by use of Form 600C. If a building does not comply with this method, it may still comply under other sections in Chapter 6 of the Code.

PROJECT NAME: <u>1755 NW Dogwood Terr</u>	BUILDER: <u>Mike Todd Const, Inc</u>
OWNER: <u>Phil & Pat Richter</u>	PERMITTING OFFICE: <u>DADE CITY FL 32055</u>
PERMIT NO.: <u>23794</u>	CLIMATE ZONE: <u>1</u>
JURISDICTION NO.: <u>23794</u>	☒ 1 ☐ 2 ☐ 3

1. New construction including additions which incorporates any of the following features cannot comply using this method: steel stud walls, single assembly roof/ceiling construction, or skylights or other non-vertical roof glass.
2. Choose one of the component packages "A" through "E" from Table 6B-1 by which you intend to comply with the Code. Circle the column of the package you have chosen.
3. Fill in all the applicable spaces of the "To Be Installed" column on Table 6B-1 with the information requested. All "To Be Installed" values must be equal to or more efficient than the required levels.
4. Complete page 1 based on the "To Be Installed" column information.
5. Read "Minimum Requirements for All Packages", Table 6B-2 and check each box to indicate your intent to comply with all applicable items.
6. Head, sign and date the "Prepared By" certification statement at the bottom of page 1. The owner or owner's agent must also sign and date the form.

1. Compliance package chosen (A-F)
2. New construction or addition
3. Single family detached or Multifamily attached
4. If Multifamily—No. of units covered by this submission
5. Is this a worst case? (yes / no)
6. Conditioned floor area (sq. ft.)
7. Predominant eave overhang (ft.)
8. Glass type and area :
9. Percentage of glass to floor area
10. Floor type, area or perimeter, and insulation:
- a. Slab on grade (R-value)
- b. Wood, raised (R-value)
- c. Wood, common (R-value)
- d. Concrete, raised (R-value)
- e. Concrete, common (R-value)
11. Wall type, area and insulation:
- a. Exterior: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
- b. Adjacent: 1. Masonry (Insulation R-value)
2. Wood frame (Insulation R-value)
12. Ceiling type, area and insulation:
- a. Under attic (Insulation R-value)
- b. Single assembly (Insulation R-value)
13. Air Distribution System: Duct insulation, location
- Test report (attach if required)
14. Cooling system
- (Types: central, room unit, package terminal A.C., gas, none)
15. Heating system:
- (Types: heat pump, elec. strip, nat. gas, L.P. gas, gas h.p., room or PTAC, none)
16. Hot water system:
- (Types: elec., nat. gas, L.P. gas, solar, heat rec., ded. heat pump, other, none)

OWNER AGENT: _____	DATE: <u>9/2/01</u>
PREPARED BY: _____	DATE: <u>9/2/01</u>
I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.	
I hereby certify that the plans and specifications covered by the calculation are in compliance with the Florida Energy Code.	
BUILDING OFFICIAL: _____	
DATE: _____	
Review of plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed, this building will be inspected for compliance in accordance with Section 553.908, F.S.	

Please Print

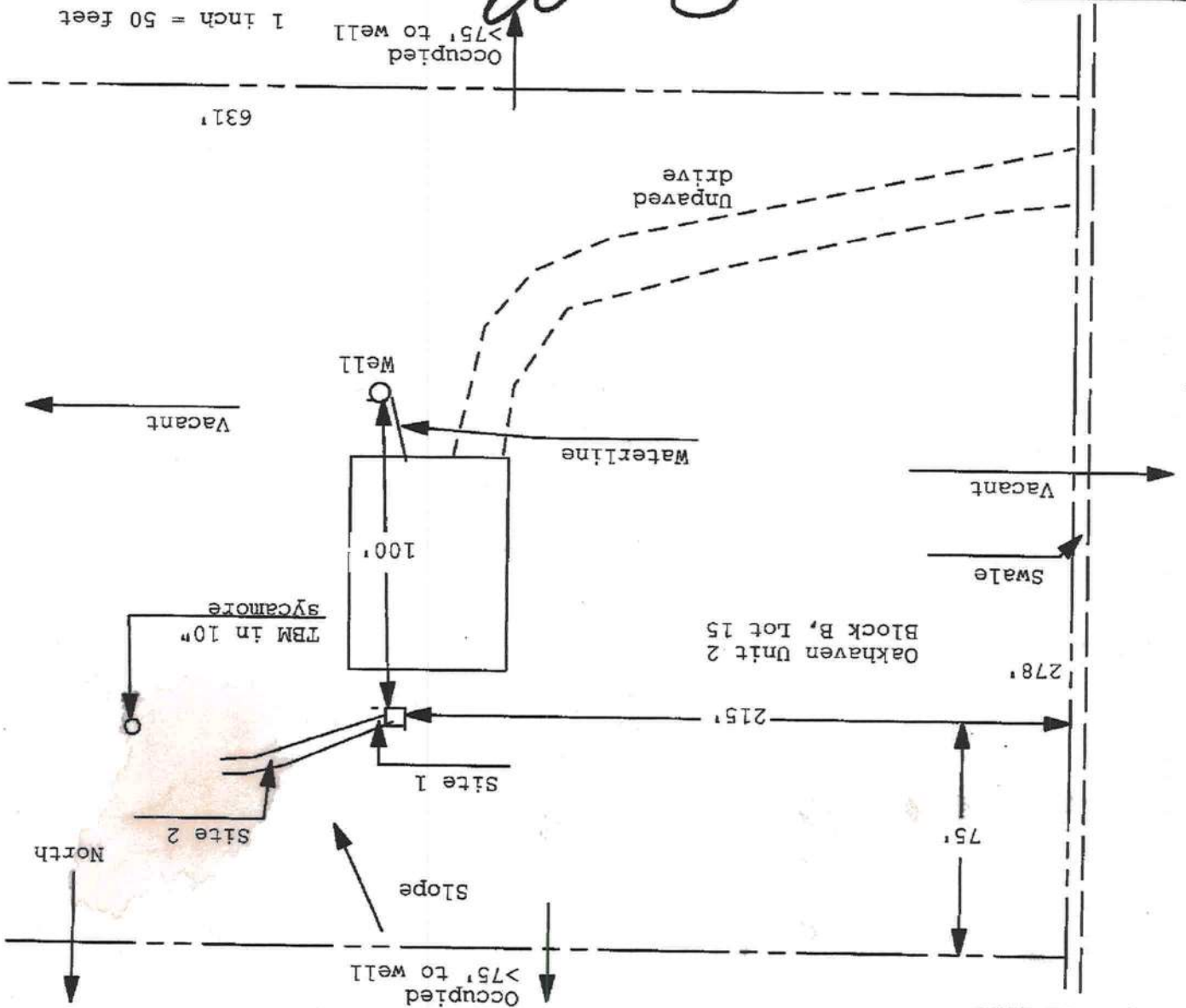
1. <u>NEW</u>	11a-1 R=	11a-1 sq. ft.
2. <u>SINGLE</u>	11a-2 R= <u>13</u>	11a-2 sq. ft.
3. <u>N/A</u>	11b-1 R=	11b-1 sq. ft.
4. <u>N/A</u>	11b-2 R=	11b-2 sq. ft.
5. <u>NO</u>	12a R= <u>8.2</u>	12a sq. ft.
6. <u>3269</u>	12b R= <u>6</u>	12b sq. ft.
7. <u>NO</u>	13 R=	13 sq. ft.
8a. <u>438</u>	14a Type: <u>Central</u>	14a SEER/EER: <u>13.0</u>
8b. <u>13</u>	14b SEER/EER: <u>13.0</u>	14b Capacity: <u>5.75</u>
9. <u>13</u>	14c Capacity: <u>5.75</u>	14d Type: <u>Heat Pump</u>
	15a Type: <u>Heat Pump</u>	15b HSPF/COP/AFUE:
	15c Capacity: <u>4.8 MBtu</u>	16a Type: <u>Electric</u>
	16b EF: <u>1.1</u>	

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

Permit Application Number: 05-0999N

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

RICHER/CR 02-1008



RICHER/CR 02-1008

ALL CHANGES MUST BE APPROVED BY THE COUNTY HEALTH UNIT

Permit Application Number: 05-0999N

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

Site Plan Submitted By Joe L. [Signature] Date 9/12/05
Plan Approved Not Approved Date 10-3-05
By Mr. [Signature] CPRU

Notes:

Occupied >75' to well
1 inch = 50 feet

Columbia County Building Department
Culvert Permit

Culvert Permit No. 000000872

DATE 10/31/2005 PARCEL ID # 12-3S-15-00167-222

APPLICANT MIKE TODD PHONE 386.755.4387

ADDRESS 129 NE COLBURN AVENUE LAKE CITY FL 32055

OWNER PHIL & PAT RICHER PHONE 561.307.7198

ADDRESS 755 NW DOGWOOD TERRACE LAKE CITY FL 32055

CONTRACTOR MIKE TODD PHONE 386.755.4387

LOCATION OF PROPERTY LAKE JEFFERY RD TO OAKHAVEN S/D, TL TO 1 BLK TO INDIAN SPRIGS, TL TO 1

BLK TI DOGWOOD, TR AND T'S 6/10 OF A MILE ON L.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT OAHAVEN 15 B 2

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.

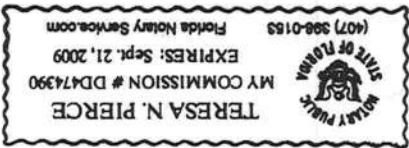
Other

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





Notary Public
My Commission Expires: Sept 21, 2009
Teresa N. Pierce

This Notice of Commencement shall expire upon completion of contract.
Sworn to and subscribed before me this 31 day of Oct, 2005.

Patricia Richer
Patricia Richer

Philip Richer
Philip Richer

ADDRESS: 129 NE Colburn Avenue, Lake City, Florida 32055

NAME: Mike Todd Construction, Inc.

In addition to himself/herself, owner designates the following person to receive a copy of the Lienor's notice as provided in Section 713.06(2)(b), Florida Statutes:

NAME:
ADDRESS:

Any person within the State of Florida designated by owner upon whom notices or other documents may be served under Part I of Chapter 713, Florida Statutes, which service shall constitute service upon owner:

SURETY ON ANY PAYMENT BOND: N/A

ADDRESS: 129 NE Colburn Avenue, Lake City, Florida 32055

CONTRACTOR: Mike Todd Construction, Inc

Inst:2005027116 Date:10/31/2005 Time:16:07
DC,P.Dewitt Cason,Columbia County B:1063 P:1523

ADDRESS: N/A

OWNER'S INTEREST IN THE SITE OF THE IMPROVEMENTS (IF OTHER THAN FEE SIMPLE TITLE HOLDER):

ADDRESS: 755 NW Dogwood Terrace, Lake City, Florida 32055

OWNER: Phil & Patricia Richer

GENERAL DESCRIPTION OF IMPROVEMENTS: New Single Family Residential Construction

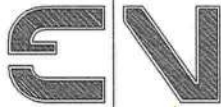
DESCRIPTION OF REAL PROPERTY TO BE IMPROVED: 12-3S-15-00167-222/Oak Haven Unit 2, Lot 15, Block B

The undersigned hereby informs you that improvements will be made to certain real property, and in accordance with Section 713.13, Florida Statutes, the following information is stated in this Notice of Commencement.

To Whom It May Concern:

NOTICE OF COMMENCEMENT

23794



**NICHOLAS
PAUL
GEISLER
ARCHITECT**
■ 1758 NW Brown Road
■ Lake City, FL 32055
■ 386/755-9021
N.C.A.R.B. Certified

12 OCTOBER 2005

JOE HALTIWANGER, PLANS REVIEW
COLUMBIA COUNTY, BUILDING DEPT.
COLUMBIA COUNTY COURTHOUSE ANNEX
LAKE CITY, FLORIDA 32055

RE: RICHER RESIDENCE, OAK HAVEN
PERMIT No. _____

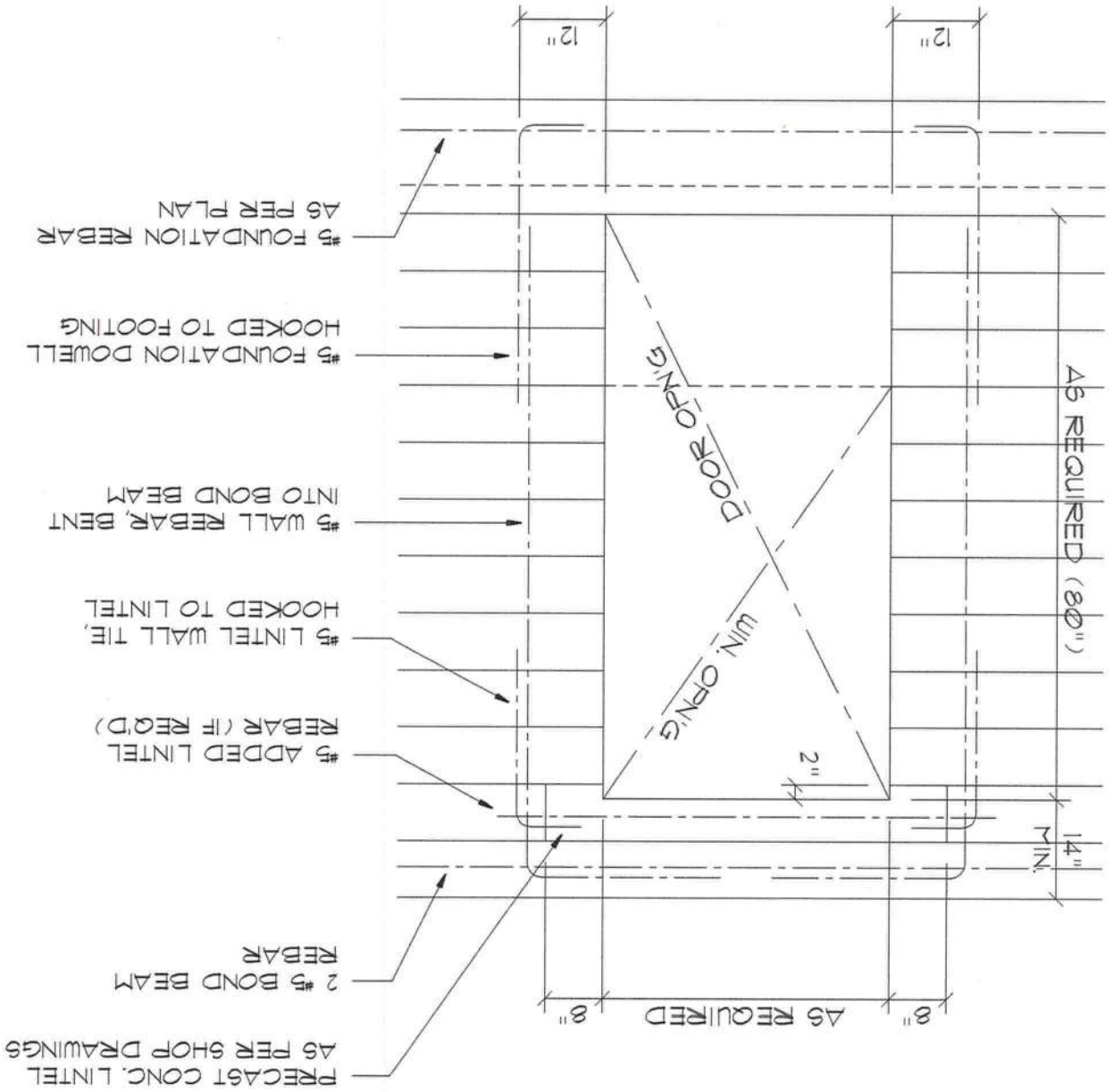
DEAR SIR:

PER YOUR REQUEST, FOLLOWING ARE SEVERAL DETAILS PERTAINING TO THE
INSTALLATION OF PRECAST CONCRETE LINTELS FOR THE ABOVE REFERENCED
PROJECT.

SHOULD YOU HAVE ANY FURTHER QUESTIONS WITH THIS, PLEASE CALL FOR
ASSISTANCE.

YOURS TRULY,
NICHOLAS PAUL GEISLER, ARCHITECT AR0007005

NOTE!
ALL BLOCK CELLS CONTAINING VERTICAL REINFORCING, SHALL
BE SOLIDLY FILLED WITH CONCRETE - SEE GENERAL NOTES



Typical Door/Window Opening Reinforcing Detail

SCALE: 1/2" = 1'-0"

NOTE!
REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK
MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

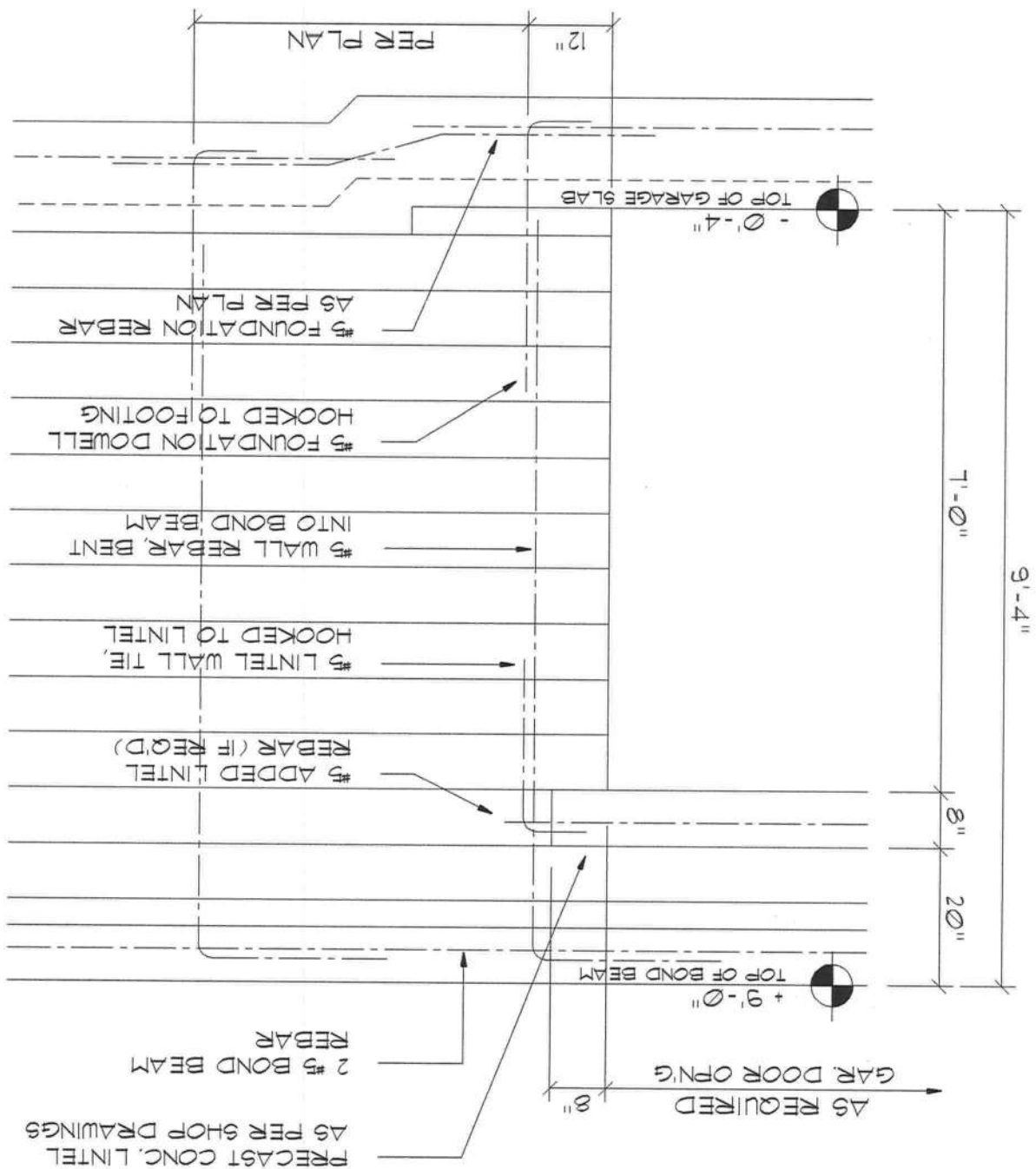
4/2/2005 12:00:25
JRM

REFER TO GENERAL NOTES FOR LAP SPLICE AND HOOK
MINIMUM LENGTH/SIZE - ALL PER ACI 318-LATEST

NOTE:

SCALE: 1/2" = 1'-0"

Typ. Garage Door Opening
Reinfg DETAIL - 9'-0" CMU wall



APR 2005 1200+2K5

COLUMBIA COUNTY BUILDING DEPARTMENT

RESIDENTIAL MINIMUM PLAN REQUIREMENTS AND CHECKLIST FOR
FLORIDA BUILDING CODE 2001
ONE (1) AND TWO (2) FAMILY DWELLINGS
ALL REQUIREMENTS ARE SUBJECT TO CHANGE
EFFECTIVE MARCH 1, 2002

ALL BUILDING PLANS MUST INDICATE THE FOLLOWING ITEMS AND INDICATE COMPLIANCE WITH CHAPTER 1606 OF THE FLORIDA BUILDING CODE 2001 BY PROVIDING CALCULATIONS AND DETAILS THAT HAVE THE SEAL AND SIGNATURE OF A CERTIFIED ARCHITECT OR ENGINEER REGISTERED IN THE STATE OF FLORIDA, OR ALTERNATE METHODOLOGIES, APPROVED BY THE STATE OF FLORIDA BUILDING COMMISSION FOR ONE-AND-TWO FAMILY DWELLINGS. FOR DESIGN PURPOSES THE FOLLOWING BASIC WIND SPEED AS PER FIGURE 1606 SHALL BE USED.

- WIND SPEED LINE SHALL BE DEFINED AS FOLLOWS: THE CENTERLINE OF INTERSTATE 75.
- 1. ALL BUILDINGS CONSTRUCTED EAST OF SAID LINE SHALL BE ----- 100 MPH
 - 2. ALL BUILDINGS CONSTRUCTED WEST OF SAID LINE SHALL BE ----- 110 MPH
 - 3. NO AREA IN COLUMBIA COUNTY IS IN A WIND BORNE DEBRIS REGION

APPLICANT - PLEASE CHECK ALL APPLICABLE BOXES BEFORE SUBMITTAL
GENERAL REQUIREMENTS: Two (2) complete sets of plans containing the following:

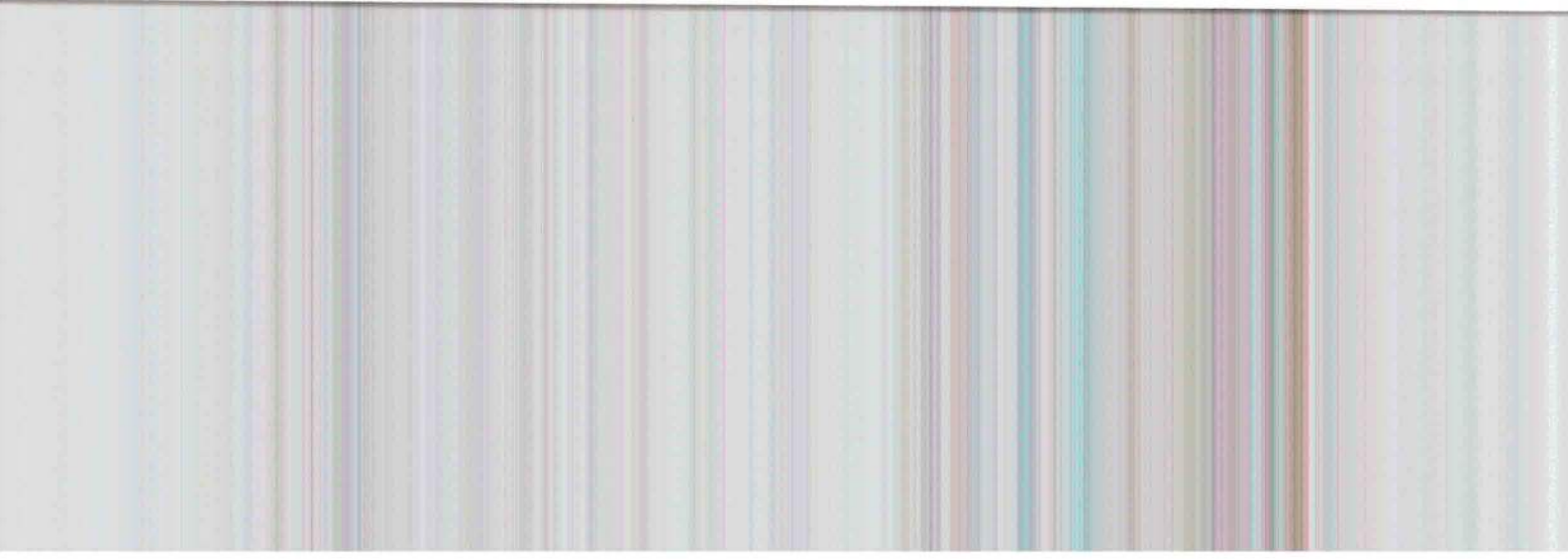
- | | |
|-------------------------------------|---|
| ☐ | Applicant |
| ☒ | Plans Examiner |
| ☐ | All drawings must be clear, concise and drawn to scale ("Optional" details that are not used shall be marked void or crossed off). Square footage of different areas shall be shown on plans. |
| ☒ | Designers name and signature on document (FBC 104.2.1). If licensed architect or engineer, official seal shall be affixed. |
| ☐ | Site Plan including: |
| ☐ | a) Dimensions of lot |
| ☐ | b) Dimensions of building set backs |
| ☐ | c) Location of all other buildings on lot, well and septic tank if applicable, and all utility easements. |
| ☒ | d) Provide a full legal description of property. |

Wind-load Engineering Summary, calculations and any details required

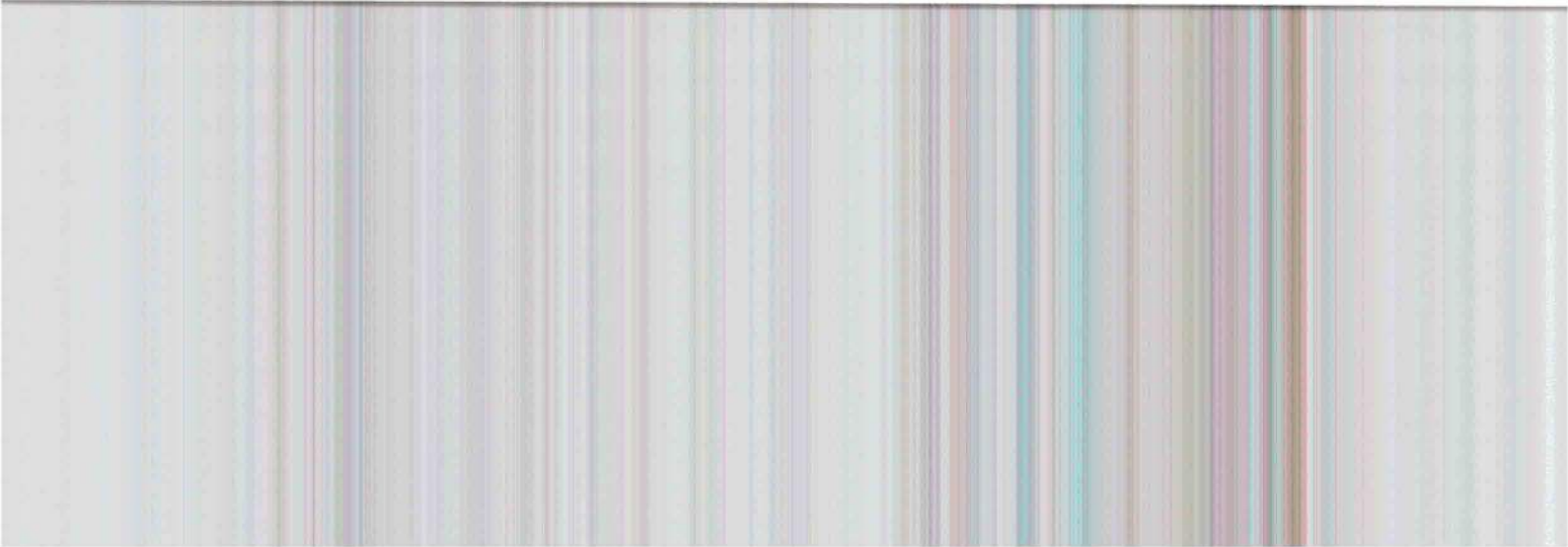
- a) Plans or specifications must state compliance with FBC Section 1606
- b) The following information must be shown as per section 1606.1.7 FBC
 - a. Basic wind speed (MPH)
 - b. Wind importance factor (I) and building category
 - c. Wind exposure - if more than one wind exposure is used, the wind exposure and applicable wind direction shall be indicated
 - d. The applicable internal pressure coefficient
 - e. Components and Cladding. The design wind pressure in terms of psf (kN/m²), to be used for the design of exterior component and cladding materials not specifically designed by the registered design professional

Elevations including:

- a) All sides
- b) Roof pitch
- c) Overhang dimensions and detail with attic ventilation
- d) Location, size and height above roof of chimneys
- e) Location and size of skylights
- f) Building height
- e) Number of stories



Floor Plan including:	☐	☐	☐	☐
a) Rooms labeled and dimensioned	☐			
b) Shear walls	☐			
c) Windows and doors (including garage doors) showing size, mfg., approval listing and attachment specs. (FBC 1707) and safety glazing where needed (egress windows in bedrooms to be shown)	☐			
d) Fireplaces (gas appliance) (vented or non-vented) or wood burning with hearth	☐			
e) Stairs with dimensions (width, tread and riser) and details of guardrails and handrails	☐			
f) Must show and identify accessibility requirements (accessible bathroom)	☐			
Foundation Plan including:	☐	☐	☐	☐
a) Location of all load-bearing wall with required footings indicated as standard	☐			
Or monolithic and dimensions and reinforcing				
b) All posts and/or column footing including size and reinforcing	☐			
c) Any special support required by soil analysis such as piling	☐			
d) Location of any vertical steel	☐			
Roof System:	☐	☐	☐	☐
a) Truss package including:	☐			
1. Truss layout and truss details signed and sealed by Fl. Pro. Eng.				
2. Roof assembly (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☐			
b) Conventional Framing Layout including:	☐			
1. Rafter size, species and spacing				
2. Attachment to wall and uplift				
3. Ridge beam sized and valley framing and support details				
4. Roof assembly (FBC 104.2.1 Roofing systems, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	☐			
Wall Sections including:	☐	☐	☐	☐
a) Masonry wall	☐			
1. All materials making up wall				
2. Block size and mortar type with size and spacing of reinforcement				
3. Lintel, tie-beam sizes and reinforcement				
4. Gable ends with rake beams showing reinforcement or gable truss and wall bracing details				
5. All required connectors with uplift rating and required number and size of fasteners for continuous tie from roof to foundation				
6. Roof assembly shown here or on roof system detail (FBC 104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with resistance rating)				
7. Fire resistant construction (if required)				
8. Fireproofing requirements				
9. Shoe type of termite treatment (termicide or alternative method)				
10. Slab on grade				
a. Vapor retardant (6mil. Polyethylene with joints lapped 6 inches and sealed)				
b. Must show control joints, synthetic fiber reinforcement or Welded fire fabric reinforcement and supports				
11. Indicate where pressure treated wood will be placed				
12. Provide insulation R value for the following:				
a. Attic space				
b. Exterior wall cavity				
c. Crawl space (if applicable)				



☐	☐	b) Wood frame wall	☐
☐	☐	1. All materials making up wall	
☐	☐	2. Size and species of studs	
☐	☐	3. Sheathing size, type and nailing schedule	
☐	☐	4. Headers sized	
☐	☐	5. Gable end showing balloon framing detail or gable truss and wall hinge bracing detail	
☐	☐	6. All required fasteners for continuous tie from roof to foundation (truss anchors, straps, anchor bolts and washers)	
☐	☐	7. Roof assembly shown here or on roof system detail (FBC104.2.1 Roofing system, materials, manufacturer, fastening requirements and product evaluation with wind resistance rating)	
☐	☐	8. Fire resistant construction (if applicable)	
☐	☐	9. Fireproofing requirements	
☐	☐	10. Show type of termite treatment (termicide or alternative method)	
☐	☐	11. Slab on grade	
☐	☐	a. Vapor retardant (6Mil. Polyethylene with joints lapped 6 inches and sealed	
☐	☐	b. Must show control joints, synthetic fiber reinforcement or welded wire fabric reinforcement and supports	
☐	☐	12. Indicate where pressure treated wood will be placed	
☐	☐	13. Provide insulation R value for the following:	
☐	☐	a. Attic space	
☐	☐	b. Exterior wall cavity	
☐	☐	c. Crawl space (if applicable)	
☐	☐	c) Metal frame wall and roof (designed, signed and sealed by Florida Prof. Engineer or Architect)	
☐	☐	Floor Framing System:	
☐	☐	a) Floor truss package including layout and details, signed and sealed by Florida Registered Professional Engineer	
☐	☐	b) Floor joist size and spacing	
☐	☐	c) Girder size and spacing	
☐	☐	d) Attachment of joist to girder	
☐	☐	e) Wind load requirements where applicable	
☐	☐	Plumbing Fixture layout	
☐	☐	Electrical layout including:	
☐	☐	a) Switches, outlets/receptacles, lighting and all required GFCI outlets identified	
☐	☐	b) Ceiling fans	
☐	☐	c) Smoke detectors	
☐	☐	d) Service panel and sub-panel size and location(s)	
☐	☐	e) Meter location with type of service entrance (overhead or underground)	
☐	☐	f) Appliances and HVAC equipment	
☐	☐	g) Arc Fault Circuits (AFCI) in bedrooms	
☐	☐	HVAC information	
☐	☐	a) Manual J sizing equipment or equivalent computation	
☐	☐	b) Exhaust fans in bathroom	
☐	☐	Energy Calculations (dimensions shall match plans)	
☐	☐	Gas System Type (LP or Natural) Location and BTU demand of equipment	
☐	☐	Disclosure Statement for Owner Builders	
☐	☐	***Notice Of Commencement Required Before Any Inspections Will Be Done	
☐	☐	Private Potable Water	
☐	☐	a) Size of pump motor	
☐	☐	b) Size of pressure tank	
☐	☐	c) Cycle stop valve if used	

THE FOLLOWING ITEMS MUST BE SUBMITTED WITH BUILDING PLANS

1. **Building Permit Application:** A current Building Permit Application form is to be completed and submitted for all residential projects.

2. **Parcel Number:** The parcel number (Tax ID number) from the Property Appraiser (386) 758-1084 is required. A copy of property deed is also requested.

3. **Environmental Health Permit or Sewer Tap Approval:** A copy of the Environmental Health permit, existing septic approval or sewer tap approval is required before a building permit can be issued. (386) 758-1058 (Toilet facilities shall be provided for construction workers)

4. **City Approval:** If the project is to be located within the city limits of the Town of Fort White, prior approval is required. The Town of Fort White approval letter is required to be submitted by the owner or contractor to this office when applying for a Building Permit. (386) 497-2321

5. **Flood Information:** All projects within the Floodway of the Suwannee or Santa Fe Rivers shall require permitting through the Suwannee River Water Management District, before submitting application to this office. Any project located within a flood zone where the base flood elevation (100 year flood) has been established shall meet the requirements of Section 8.8 of the Columbia County Land Development Regulations. Any project located within a flood zone where the base flood elevation has not been established (Zone A) shall meet the requirements of Section 8.7 of the Columbia County Land Development Regulations. **CERTIFIED FINISHED FLOOR ELEVATIONS WILL BE REQUIRED ON ANY PROJECT WHERE THE BASE FLOOD ELEVATION (100 YEAR FLOOD) HAS BEEN ESTABLISHED.** A development permit will also be required. Development permit cost is \$50.00

6. **Driveway Connection:** If the property does not have an existing access to a public road, then an application for a culvert permit (\$25.00) must be made. If the applicant feels that a culvert is not needed, they may apply for a culvert waiver (\$50.00). All culvert waivers are sent to the Columbia County Public Works Department for approval or denial.
7. **911 Address:** If the project is located in an area where the 911 address has been issued, then the proper paperwork from the 911 Addressing Department must be submitted. (386) 752-8787

ALL REQUIRED INFORMATION IS TO BE SUBMITTED FOR REVIEW. YOU WILL BE NOTIFIED WHEN YOUR APPLICATION AND PLANS ARE APPROVED AND READY TO PERMIT. PLEASE DO NOT EXPECT OR REQUEST THAT PERMIT APPLICATIONS BE REVIEWED OR APPROVED WHILE YOU ARE HERE - TIME WILL NOT ALLOW THIS - PLEASE DO NOT ASK

NOTICE:

ADDRESSES BY APPOINTMENT ONLY!

TO OBTAIN A 9-1-1 ADDRESS THE REQUESTER MUST CONTACT THE

COLUMBIA COUNTY 9-1-1 ADDRESSING DEPARTMENT AT (386) 752-8787 FOR

AN APPOINTMENT TIME AND DATE:

YOU CAN NOT OBTAIN A NEW ADDRESS OVER THE

TELEPHONE. MUST MAKE AN APPOINTMENT!

THE ADDRESSING DEPARTMENT IS LOCATED AT 263 NW LAKE CITY AVENUE (OFF OF WEST U.S. HIGHWAY 90 WEST OF INTERSTATE 75 AT THE COLUMBIA COUNTY

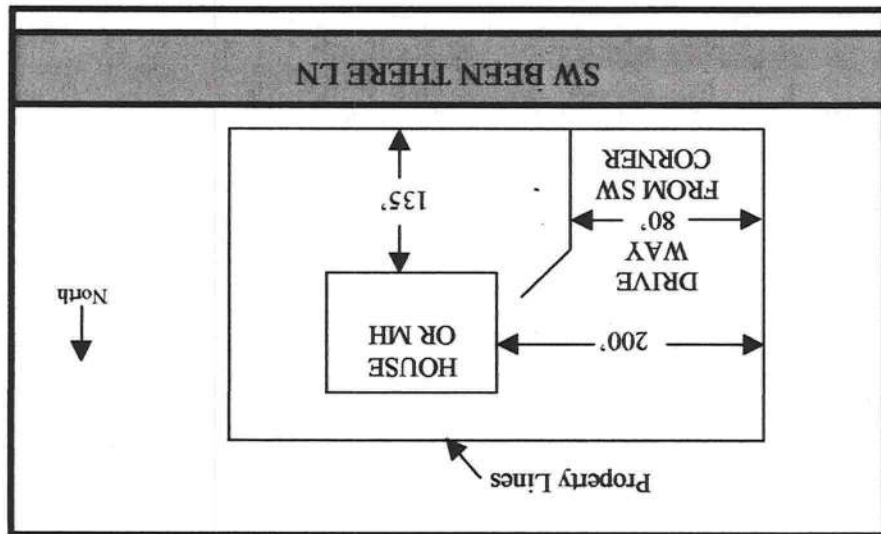
EMERGENCY OPERATIONS CENTER).

THE REQUESTER WILL NEED THE FOLLOWING:

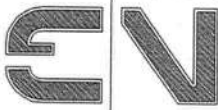
1. THE PARCEL OR TAX ID NUMBER (SAMPLE: "25-4S-17-12345-123" OR "R12345-123") FOR THE PROPERTY.
2. A PLAT, PLAN, SITE PLAN, OR DRAWING SHOWING THE PROPERTY LINES OF THE PARCEL.

- a. LOCATION OF PLANNED RESIDENT OR BUSINESS STRUCTURE ON THE PROPERTY WITH DISTANCES FROM TWO OF THE PROPERTY LINES TO THE STRUCTURE (SEE SAMPLE BELOW).
- b. LOCATION OF THE ACCESS POINT (DRIVEWAY, ETC.) ON THE ROADWAY FROM WHICH LOCATION IS TO BE ADDRESSED WITH A DISTANCE FROM A PARALLEL PROPERTY LINE AND OR PROPERTY CORNER (SEE SAMPLE BELOW).
- c. TRAVEL OF THE DRIVEWAY FROM THE ACCESS POINT TO THE STRUCTURE (SEE SAMPLE BELOW).

SAMPLE:



NOTE: 5 TO 7 WORKING DAYS MAY BE REQUIRED IF ADDRESSING DEPARTMENT NEEDS TO CONDUCT AN ON SITE SURVEY.



**NICHOLAS
PAUL
GEISLER
ARCHITECT**
1758 NW Brown Road
Lake City, FL 32055
386/755-9021
N.C.A.R.B. Certified

FLORIDA BUILDING CODE SECTION 1606

COMPLIANCE SUMMARY

OWNER: RØCHER RESIDENCE

COLUMBIA COUNTY, FLORIDA

TYPE OF CONSTRUCTION

ROOF: Gable Construction, Wood Trusses @ 24" O.C.
WALLS: 8" CMU, w/ 1 #5 Rebar @ 80" O.C., Max., w/ 8" x 16" bond beam
FLOOR: 4" Thk. Conc. Slab, w/ 6x6 10/10 W.W.M., dbl 3' from edge
FOUNDATION: Continuous Footer/Stemwall

ROOF DECKING

MATERIAL: 1/2" CDX Plywood or 7/16" OSB
SHEET SIZE: 48"x96" Sheets Placed Perpendicular to Roof Framing
FASTENERS: 8D Common Nails @ 4" O.C. Ends, 8" O.C. Interior

SHEAR WALLS

MATERIAL: 8" CMU, w/ 1 #5 vertical Rebar @ each end of segment
hooked to footing and bond beam
BOND BEAM: 8" x 16" w/ 2 #5 top, 2 #5 bottom
minimum 40 bar dia. lap splices

HURRICANE UPLIFT CONNECTORS

TRUSS CLIPS: SIMPSON H2.5 @ Each Truss End, Typ. U.N.O.
multiple connectors required - see computations

FOOTINGS AND FOUNDATIONS

HOUSE FOOTINGS: 20"x10" Continuous w/ 2 - #5 Rebars
HOUSE STEMWALL: 8" CMU w/ #5 Rebar DOWELS @ 80" O.C.

PREPARER'S CERTIFICATION

I hereby certify that the attached Wind Load Design and Analysis calculations are in compliance with the 2001 Florida Building Code, Section 1606, to the best of my knowledge and belief.

Nicholas Paul Geisler, Architect AR0007005

Date: 27 Sep 2005

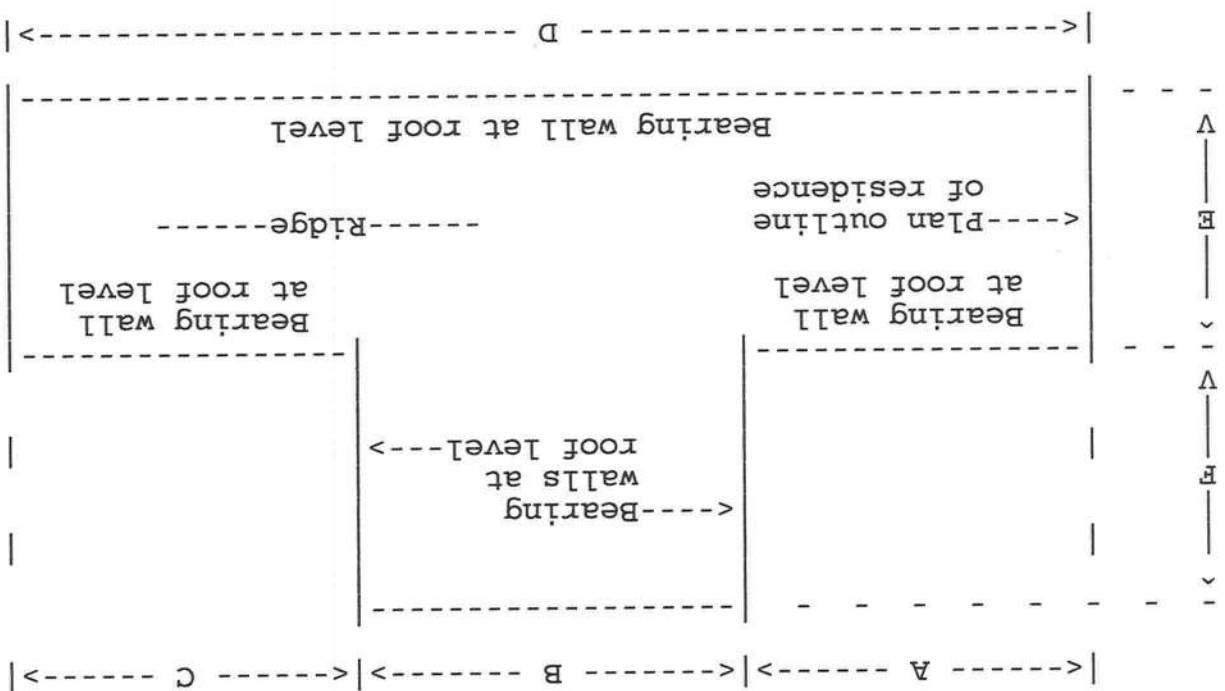
Project name: M
Location : M
Col
Co.

W I N D D E S I G N

Version 1.0
Copyright 1998---EDA Software, Inc.
Based on the Standard Building Code, 1997 edition

**** GENERAL INPUT DATA ****

Permanent construction
T-shaped building



All dimensions are out to out of studs (block).

Dimension A = 11.33 feet
Dimension B = 46.67 feet
Dimension C = 37.33 feet
Dimension D = 95.33 feet
Dimension E = 34.67 feet
Dimension F = 55.33 feet
Roof overhang in long direction from outer face of stud (block) = 2 feet
Roof overhang at short end wall from outer face of stud (block) = 2 feet
Height of exterior wall to top of plate (tie bm) on long side = 9 feet
Roof cross slope = 6 / 12

Wind velocity = 110 mph

**** DEGREE OF ENCLOSURE ****

Assume that this building is an 'Enclosed building' per Code 1606.2.3.

ALC0007005 278245

**** STRUCTURAL FRAMING INPUT DATA ****

*** Roof Structural Data ***

Member number 1
Common truss--supported by exterior walls only
Span length out to out of supports = 39.67 feet
Roof cross slope = 6 / 12
Truss spacing = 24 inches
Overhang = 2 feet

Member number 2
Common truss--supported by exterior walls only
Span length out to out of supports = 23 feet
Roof cross slope = 6 / 12
Truss spacing = 24 inches
Overhang = 2 feet

Member number 3
Common truss--supported by exterior walls only
Span length out to out of supports = 19 feet
Roof cross slope = 6 / 12
Truss spacing = 24 inches
Overhang = 2 feet

Member number 4
Common truss--supported by exterior walls only
Span length out to out of supports = 17.33 feet
Roof cross slope = 6 / 12
Truss spacing = 24 inches
Overhang = 2 feet

*** Wall Structural Data ***

Spacing of the columns = 80 inches
Depth of the beam = 1.33333 feet
The column number 1 is 9 feet--fin. floor to top of the beam
*** Wall Structural Data ***

Spacing of wall studs = 16 inches
Total thickness of plates = 0 feet
Wall stud number 2 is 9 feet high out to out of plates
*** Wall Structural Data ***

Spacing of the columns = 80 inches
Depth of the beam = 1.33333 feet
The column number 3 is 9 feet--fin. floor to top of the beam
The column number 4 is 9 feet--fin. floor to top of the beam
The column number 5 is 9 feet--fin. floor to top of the beam
The column number 6 is 9 feet--fin. floor to top of the beam
The column number 7 is 9 feet--fin. floor to top of the beam
The column number 8 is 9 feet--fin. floor to top of the beam

COEFFICIENTS AND PRESSURES

Main Wind Force Resisting Systems

Actual wind pressure = Velocity pressure x Use factor x Coefficient

Mean roof height is 13.70643 feet

Velocity pressure is 24.7 psf

Use factor is 1.0

Roof cross slope is 6 on 12, which equals 26.56505 degrees to horizontal

End zone width is 6.934 feet

For illustration see Code, Figure 1606.2B1.

Coefficient

Actual Pressure (psf)

End zone:		
Windward wall (1E)	.7	17.29
Windward roof (2E)	-1	-24.7
Leeward roof (3E)	-1	-24.7
Leeward wall (4E)	-.95	-23.47
Interior zone:		
Windward wall (1)	.4	9.88
Windward roof (2)	-.75	-18.53
Leeward roof (3)	-.75	-18.53
Leeward wall (4)	-.7	-17.3

TOTAL WIND FORCES ON ENTIRE BUILDING

Main Wind Force Resisting Systems

Forces transverse:

Lateral forces (pounds):
Windward wall = 8746 inward
Leeward wall = 14524 outward
Upfit forces (pounds):
Windward roof = 32104 upward
Leeward roof = 32104 upward
Windward overhang = 7065 upward

Forces longitudinal:

Lateral forces (pounds):
Windward wall = 12815 inward
Leeward wall = 3222 outward

COEFFICIENTS AND PRESSURES
Roof Components

Actual wind pressure = Velocity pressure x Use factor x Coefficient
Velocity pressure = 24.7 psf
Use factor = 1.0
Edge strip width = 3.467 feet
End zone width = 6.934 feet

Common truss 1 --Span 39.67 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in interior zone: Tributary area = 524.5696 square feet
Interior area : Coefficient = -1.1
Eave and ridge areas: Coefficient = -1.2
Overhang area : Coefficient = -1.55
Wind uplift at bearing = 1269 pounds

Common truss 2 --Span 39.67 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in end zone: Tributary area = 524.5696 square feet
Interior area : Coefficient = -1.8
Eave and ridge areas: Coefficient = -1.8
Overhang area : Coefficient = -1.6
Wind uplift at bearing = 1925 pounds

Common truss 3 --Span 23 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in interior zone: Tributary area = 176.3333 square feet
Interior area : Coefficient = -1.1
Eave and ridge areas: Coefficient = -1.2
Overhang area : Coefficient = -1.55
Wind uplift at bearing = 818 pounds

Common truss 4 --Span 23 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in end zone: Tributary area = 176.3333 square feet
Interior area : Coefficient = -1.8
Eave and ridge areas: Coefficient = -1.8
Overhang area : Coefficient = -1.6
Wind uplift at bearing = 1187 pounds

Pressure = -44.46 psf
Pressure = -44.46 psf
Pressure = -39.52 psf

Pressure = -27.171 psf
Pressure = -29.641 psf
Pressure = -38.285 psf

Pressure = -44.46 psf
Pressure = -44.46 psf
Pressure = -39.52 psf

Pressure = -27.171 psf
Pressure = -29.641 psf
Pressure = -38.285 psf

Common truss 5 --Span 19 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in interior zone: Tributary area = 120.3333 square feet
Interior area : Coefficient = -1.1
Eave and ridge areas: Coefficient = -1.2
Overhang area : Coefficient = -1.55
Wind uplift at bearing = 711 pounds

Common truss 6 --Span 19 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in end zone: Tributary area = 120.3333 square feet
Interior area : Coefficient = -1.8
Eave and ridge areas: Coefficient = -1.8
Overhang area : Coefficient = -1.6
Wind uplift at bearing = 1011 pounds

Common truss 7 --Span 17.33 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in interior zone: Tributary area = 100.1096 square feet
Interior area : Coefficient = -1.1
Eave and ridge areas: Coefficient = -1.2
Overhang area : Coefficient = -1.55
Wind uplift at bearing = 667 pounds

Common truss 8 --Span 17.33 ft., Spacing 24 in., Slope 6 /12, Overhang 2 ft.
Member located in end zone: Tributary area = 100.1096 square feet
Interior area : Coefficient = -1.8
Eave and ridge areas: Coefficient = -1.8
Overhang area : Coefficient = -1.6
Wind uplift at bearing = 937 pounds

Pressure = -44.46 psf
Pressure = -44.46 psf
Pressure = -39.52 psf

Pressure = -44.46 psf
Pressure = -44.46 psf
Pressure = -39.52 psf

Pressure = -27.171 psf
Pressure = -29.641 psf
Pressure = -38.285 psf

Pressure = -27.171 psf
Pressure = -29.641 psf
Pressure = -38.285 psf

COEFFICIENTS AND PRESSURES
Wall Components

Actual wind pressure = Velocity pressure x Use factor x Coefficient
Velocity pressure = 24.7 psf
Use factor = 1.0

The column number 1 --Column height 7.66667 feet, Spacing 80 inches
Column located in interior zone: Tributary area = 51.1111 square feet
Coefficient = -1.284
Pressure = -31.715 psf
Outward wind force on column = 1620 pounds

The column number 2 --Column height 7.66667 feet, Spacing 80 inches
Column located in end zone: Tributary area = 51.1111 square feet
Coefficient = -1.467
Pressure = -36.235 psf
Outward wind force on column = 1852 pounds

Coefficient = -1.294
Pressure = -31.962 psf

Coefficient = -1.487
Pressure = -36.729 psf

ROOF LOADING--Roof Number 1 (pounds per square foot)

Roof cross slope = 6 inches per foot

Fiberglass shingles 240 # per square and 1 layer of 15 # felt = 2.55
Rigid isocyanurate insulation 5.5 in. average depth = .935
15/32 in. roof sheathing, 1 layer = 1.41

Total roof unit weight on slope = 4.895
Cosine of roof cross slope = .8944272

Roof unit weight on horizontal = 5.472776
2 in. x 4 in. wood trusses at 24 in. spacing = 2.215147
1 layer of 1/2 in. gypsum board ceiling--plain = 2
Air-conditioning ductwork = 1
Full lighting = .3
Miscellaneous = 0

Total = 10.98792

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 201.9756 plf

ROOF LOADING--Roof Number 2 (pounds per square foot)

Roof cross slope = 6 inches per foot

Fiberglass shingles 240 # per square and 1 layer of 15 # felt = 2.55
Rigid isocyanurate insulation 5.5 in. average depth = .935
15/32 in. roof sheathing, 1 layer = 1.41

Total roof unit weight on slope = 4.895
Cosine of roof cross slope = .8944272

Roof unit weight on horizontal = 5.472776
2 in. x 4 in. wood trusses at 24 in. spacing = 2.215147
1 layer of 1/2 in. gypsum board ceiling--plain = 2
Air-conditioning ductwork = 1
Full lighting = .3
Miscellaneous = 0

Total = 10.98792

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 201.9756 plf

ROOF LOADING--Roof Number 3 (pounds per square foot)

Roof cross slope = 6 inches per foot

Fiberglass shingles 240 # per square and 1 layer of 15 # felt = 2.55
Rigid isocyanurate insulation 5.5 in. average depth = .935
15/32 in. roof sheathing, 1 layer = 1.41

Total roof unit weight on slope = 4.895
Cosine of roof cross slope = .8944272

Roof unit weight on horizontal = 5.472776
2 in. x 4 in. wood trusses at 24 in. spacing = 2.215147
1 layer of 1/2 in. gypsum board ceiling--plain = 2

Air-conditioning ductwork = 1
Full lighting = .3
Miscellaneous = 0

=====
Total = 10.98792

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 201.9756 plf

ROOF LOADING--Roof Number 4 (pounds per square foot)

Roof cross slope = 6 inches per foot

Fiberglass shingles 240 # per square and 1 layer of 15 # felt = 2.55
Rigid isocyanurate insulation 5.5 in. average depth = .935
15/32 in. roof sheathing, 1 layer = 1.41

Total roof unit weight on slope = 4.895
Cosine of roof cross slope = .8944272

Roof unit weight on horizontal = 5.472776
2 in. x 4 in. wood trusses at 24 in. spacing = 2.215147
1 layer of 1/2 in. gypsum board ceiling--plain = 2

Air-conditioning ductwork = 1
Full lighting = .3
Miscellaneous = 0

=====
Total = 10.98792

Roof Unit Dead Load = 11 psf

Roof dead load supported generally by wall = 201.9756 plf

ROOF LOADING--Roof Number 5 (pounds per square foot)

Roof cross slope = 6 inches per foot	
Fiberglass shingles 240 # per square and 1 layer of 15 # felt	= 2.55
Rigid isocyanurate insulation 5.5 in. average depth	= .935
15/32 in. roof sheathing, 1 layer	= 1.41

Total roof unit weight on slope	= 4.895
Cosine of roof cross slope	= .8944272

Roof unit weight on horizontal	= 5.472776
2 in. x 4 in. wood trusses at 24 in. spacing	= 2.215147
1 layer of 1/2 in. gypsum board ceiling--plain	= 2
Air-conditioning ductwork	= 1
Full lighting	= .3
Miscellaneous	= 0
=====	
Total	= 10.98792
Roof Unit Dead Load = 11 psf	
Roof dead load supported generally by wall = 201.9756 plf	

ROOF LOADING--Roof Number 6 (pounds per square foot)

Roof cross slope = 6 inches per foot	
Fiberglass shingles 240 # per square and 1 layer of 15 # felt	= 2.55
Rigid isocyanurate insulation 5.5 in. average depth	= .935
15/32 in. roof sheathing, 1 layer	= 1.41

Total roof unit weight on slope	= 4.895
Cosine of roof cross slope	= .8944272

Roof unit weight on horizontal	= 5.472776
2 in. x 4 in. wood trusses at 24 in. spacing	= 2.215147
1 layer of 1/2 in. gypsum board ceiling--plain	= 2
Air-conditioning ductwork	= 1
Full lighting	= .3
Miscellaneous	= 0
=====	
Total	= 10.98792
Roof Unit Dead Load = 11 psf	
Roof dead load supported generally by wall = 201.9756 plf	

ROOF LOADING--Roof Number 7 (pounds per square foot)

Roof cross slope = 6 inches per foot	
Fiberglass shingles 240 # per square and 1 layer of 15 # felt = 2.55	
Rigid isocyanurate insulation 5.5 in. average depth = .935	
15/32 in. roof sheathing, 1 layer = 1.41	
Total roof unit weight on slope = 4.895	
Cosine of roof cross slope = .8944272	
Roof unit weight on horizontal = 5.472776	
2 in. x 4 in. wood trusses at 24 in. spacing = 2.215147	
1 layer of 1/2 in. gypsum board ceiling--plain = 2	
Air-conditioning ductwork = 1	
Full lighting = .3	
Miscellaneous = 0	
Total = 10.98792	
Roof Unit Dead Load = 11 psf	
Roof dead load supported generally by wall = 201.9756 plf	

ROOF LOADING--Roof Number 8 (pounds per square foot)

Roof cross slope = 6 inches per foot	
Fiberglass shingles 240 # per square and 1 layer of 15 # felt = 2.55	
Rigid isocyanurate insulation 5.5 in. average depth = .935	
15/32 in. roof sheathing, 1 layer = 1.41	
Total roof unit weight on slope = 4.895	
Cosine of roof cross slope = .8944272	
Roof unit weight on horizontal = 5.472776	
2 in. x 4 in. wood trusses at 24 in. spacing = 2.215147	
1 layer of 1/2 in. gypsum board ceiling--plain = 2	
Air-conditioning ductwork = 1	
Full lighting = .3	
Miscellaneous = 0	
Total = 10.98792	
Roof Unit Dead Load = 11 psf	
Roof dead load supported generally by wall = 201.9756 plf	

ROOF MEMBER DEAD LOAD REACTIONS AT BEARINGS (pounds)

Roof member number 1	--Span 39.67 feet, Slope 6 /12, interior zone----	458
Roof member number 2	--Span 39.67 feet, Slope 6 /12, end zone-----	458
Roof member number 3	--Span 23 feet, Slope 6 /12, interior zone----	275
Roof member number 4	--Span 23 feet, Slope 6 /12, end zone-----	275
Roof member number 5	--Span 19 feet, Slope 6 /12, interior zone----	231
Roof member number 6	--Span 19 feet, Slope 6 /12, end zone-----	231
Roof member number 7	--Span 17.33 feet, Slope 6 /12, interior zone----	213
Roof member number 8	--Span 17.33 feet, Slope 6 /12, end zone-----	213

EXTERIOR WALL LOADING (pounds per linear foot)

Concrete masonry wall-- 9 ft. from finished floor to top of the beam

= 333.9825 Concrete masonry 8 in. wide--stucco 1 faces

= 122.8472 Concrete tie beam 8 in. x 16 in.

= 2.25 R-13 insulation

= 2 Other-type siding

1/2 in. Gypsum board--Total 1 layer---

=====

= 480

Total

Exterior wall Dead Load = 480 plf

S U M M A R Y O F H U R R I C A N E A N C H O R A N A L Y S I S

All forces are in pounds. Resistances have been increased by 60 percent.
End zone width = 6.934 feet
Code: C = Compliance N = Non-compliance
Simpson Strong-Tie hurricane anchors

Member 1 --Common truss--Span 39.67 feet, at 24 in. oc--in interior zone:
Uplift = 1269 Dead = 458 Net = 811 Model Special, Resistance = 830 C
Model 2 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 2 --Common truss--Span 39.67 feet, at 24 in. oc--in end zone:
Uplift = 1925 Dead = 458 Net = 1467 Model Special, Resistance = 1660 C
Model 4 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 3 --Common truss--Span 23 feet, at 24 in. oc--in interior zone:
Uplift = 818 Dead = 275 Net = 543 Model Special, Resistance = 830 C
Model 2 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 4 --Common truss--Span 23 feet, at 24 in. oc--in end zone:
Uplift = 1187 Dead = 275 Net = 912 Model Special, Resistance = 1245 C
Model 3 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 5 --Common truss--Span 19 feet, at 24 in. oc--in interior zone:
Uplift = 711 Dead = 231 Net = 480 Model Special, Resistance = 830 C
Model 2 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 6 --Common truss--Span 19 feet, at 24 in. oc--in end zone:
Uplift = 1011 Dead = 231 Net = 780 Model Special, Resistance = 830 C
Model 2 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 7 --Common truss--Span 17.33 feet, at 24 in. oc--in interior zone:
Uplift = 667 Dead = 213 Net = 454 Model Special, Resistance = 830 C
Model 2 H2.5--all nails per mfr.--data supplied by operator, not FDA

Member 8 --Common truss--Span 17.33 feet, at 24 in. oc--in end zone:
Uplift = 937 Dead = 213 Net = 724 Model Special, Resistance = 830 C
Model 2 H2.5--all nails per mfr.--data supplied by operator, not FDA

**** ANALYSIS OF ROOF SHEATHING FOR FASTENER WITHDRAWAL ****

Interior zone (area R1)

Roof trusses are Southern Pine Lumber, spaced at 24 inches

Sheathing is 15/32 inch with no intermediate blocking

Size of sheathing is 48 inches by 96 inches

Fasteners along end trusses are 8d nails spaced 4 in.

Fasteners along int. trusses are 8d nails spaced 8 in.

Total outward wind force on sheathing = 815 pounds

Total withdrawal resistance of 47 common nails = 3512 pounds

Fastening of roof sheathing satisfies Code requirements.

Edge strip (area S1) width = 3.467 feet

Roof trusses are Southern Pine Lumber, spaced at 24 inches

Sheathing is 15/32 inch with no intermediate blocking

Size of sheathing is 48 inches by 96 inches

Fasteners along end trusses are 8d nails spaced 4 in.

Fasteners along int. trusses are 8d nails spaced 8 in.

Total outward wind force on sheathing = 1261 pounds

Total withdrawal resistance of 47 common nails = 3512 pounds

Fastening of roof sheathing satisfies Code requirements.

End zone (areas Se and C) width = 6.934 feet

Roof trusses are Southern Pine Lumber, spaced at 24 inches

Sheathing is 15/32 inch with no intermediate blocking

Size of sheathing is 48 inches by 96 inches

Fasteners along end truss are 8d nails spaced 4 in.

Fasteners along end wall are 8d nails spaced 4 in.

Fasteners along int. trusses are 8d nails spaced 8 in.

Total outward wind force on sheathing = 1696 pounds

Total withdrawal resistance of 47 common nails = 3512 pounds

Fastening of roof sheathing satisfies Code requirements.

*** ANALYSIS OF FOUNDATION ***

Stemwall is 8 inch concrete masonry, filled with grout, 24 inches high
Footing is 20 inches wide by 10 inches deep (including slab)
Earth cover over top of footing is 4 inches

Total uniform wind uplift on foundation = 413 pounds per linear foot
Uniform dead loads in pounds per linear foot:
Roof = 201.9756 plf
Wall = 479.0797 plf

Total = 681.0553 plf
Total uniform dead load times 2/3 = 454 pounds per linear foot
Net uplift force at top of foundation = -41 pounds per linear foot
Weight of stemwall footing earth x 2/3 = 325 pounds per linear foot
Net uplift at bottom of footing = 0 pounds per linear foot

*** Summary of Analysis ***
Foundation is stable.

*** ANALYSIS OF REINFORCING STEEL ***

Grade 40 reinforcing steel, Number 5 vert. bars at 72 inch centers

Total uniform wind uplift on foundation = 413 pounds per linear foot
Uniform dead loads in pounds per linear foot:
Roof = 201.9756 plf
Wall = 479.0797 plf

Total = 681.0553 plf
Total uniform dead load times 2/3 = 454 pounds per linear foot
Net uplift force on foundation = -41 pounds per linear foot
Weight of concrete block stemwall x 2/3 = 122 pounds per linear foot
Net uplift at top of footing = 0 pounds per linear foot

Total uplift force on each re-bar = 0 pounds
Safe tension value of each re-bar = 8181 pounds (increased by 1/3)

*** Summary of Analysis ***
Reinforcing steel satisfies all code requirements.

**** SUMMARY OF REINFORCING DATA ****

Foundation wall data:
Wall is composed of 8 inch concrete masonry, fully grouted.
Wall reinforcing is Grade 40 steel, Number 5 at 72 inch centers.
Minimum required lap splice for Number 5 bar is 25 inches.
Minimum required clearance for Number 5 bar is 1.5 inches.
For poured floor slabs--Number 5 bar extends to 1 inch below top of slab.
Wall reinf. in footing has a std. A.C.I. hook, 6 inches below top of footing.

Footing data:
Footing is continuous, 20 inches wide by 10 inches deep.
Footing concrete is 2500 psi
Footing reinforcing is Grade 40 steel, 2--# 5 longitudinal.
Minimum required splice length = 16 inches
Reinforcing steel shall have cover as follows:
Top-----6 inches
Sides-----3 inches
Bottom----3 inches

MIKE TODD CONSTRUCTION, INC
CGC006209
129 NE COLBURN AVENUE
LAKE CITY, FLORIDA 32055
386-755-4387

Re: Richer
Application #: 0509-77

This is to certify that the attic area above the garage shall be used for light storage and shall remain unfinished, unconditioned space.


CGC 006209

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: ISQ9487-Z0106131412

Truss Fabricator: Anderson Truss Company
Job Identification: 5-374-MIKE TODD - RICHER

Truss Count: 71

Model Code: Florida Building Code 2001

Truss Criteria: ANSI/TPI-1995 (STD)/FBC

Engineering Software: Alpine Software, Versions 7.04, 7.02.

Structural Engineer of Record:

Address:

Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE 7-98 - 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 1-1995 Section 2.2

2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.

3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

No Standard Details

#	Ref	Description	Drawing#	Date
1	40532--A1		05249038	09/06/05
2	40533--A2		05249017	09/06/05
3	40534--A3		05249019	09/06/05
4	40535--A4		05249020	09/06/05
5	40536--A5		05249021	09/06/05
6	40537--A6		05249024	09/06/05
7	40538--A7		05249025	09/06/05
8	40539--A8		05249037	09/06/05
9	40540--A9		05249033	09/06/05
10	40541--A10		05249022	09/06/05
11	40542--A10G		05249056	09/06/05
12	40543--A11		05249031	09/06/05
13	40544--B1		05249026	09/06/05
14	40545--B2		05249030	09/06/05
15	40546--B3		05249057	09/06/05
16	40547--B4		05249035	09/06/05
17	40548--B5		05249058	09/06/05
18	40549--B6		05249059	09/06/05
19	40550--B7		05249042	09/06/05
20	40551--B8		05249041	09/06/05
21	40552--B9		05249036	09/06/05
22	40553--C1		05249061	09/06/05
23	40554--C2		05249069	09/06/05
24	40555--C3		05249062	09/06/05
25	40556--C3G		05249070	09/06/05
26	40557--C4		05249063	09/06/05
27	40558--C5		05249071	09/06/05
28	40559--C01		05249064	09/06/05
29	40560--C02		05249065	09/06/05
30	40561--C03		05249066	09/06/05
31	40562--D1		05249054	09/06/05
32	40563--D2		05249006	09/06/05
33	40564--D3		05249009	09/06/05
34	40565--D4		05249008	09/06/05
35	40566--D5		05249011	09/06/05
36	40567--D6		05249007	09/06/05

#	Ref	Description	Drawing#	Date
37	40568--D7		05249013	09/06/05
38	40569--D8		05249014	09/06/05
39	40570--D9		05249047	09/06/05
40	40571--D10		05249051	09/06/05
41	40572--D12		05249050	09/06/05
42	40573--D13		05249049	09/06/05
43	40574--D14		05249067	09/06/05
44	40575--H07		05249055	09/06/05
45	40576--H08		05249068	09/06/05
46	40577--H05		05249040	09/06/05
47	40578--E07		05249016	09/06/05
48	40579--J7A1		05249029	09/06/05
49	40580--J7A2		05249028	09/06/05
50	40581--J7A3		05249027	09/06/05
51	40582--E07R		05249004	09/06/05
52	40583--E07B		05249045	09/06/05
53	40584--M06		05249060	09/06/05
54	40585--H05		05249052	09/06/05
55	40586--J5		05249002	09/06/05
56	40587--E05		05249046	09/06/05
57	40588--J5B		05249043	09/06/05
58	40589--E05		05249039	09/06/05
59	40590--J3		05249023	09/06/05
60	40591--J3B		05249012	09/06/05
61	40592--J1		05249032	09/06/05
62	40593--J1B		05249044	09/06/05
63	40594--K1		05249015	09/06/05
64	40595--K2		05249018	09/06/05
65	40596--K3G		05249010	09/06/05
66	40597--N1		05249003	09/06/05
67	40598--N2		05249034	09/06/05
68	40599--R1		05249048	09/06/05
69	40600--R2		05249053	09/06/05
70	40601--R3G		05249005	09/06/05
71	40602--S1		05249001	09/06/05



ALPINE

#	Ref	Description	Drawing#	Date
1	40542--A10G	05249056	09/06/05	
2	40546--B3	05249057	09/06/05	

Revised Trusses

- Notes:
- 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 1-1995 Section 2.2
 - The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
 - As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 09/06/2005
-Truss Design Engineer-
Arthur R. Fisher
Florida License Number: 59687
1950 Marley Drive
Haines City, FL 33844

Alpine Engineered Products, Inc.
1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: 18Q9487-Z0106131412

Truss Fabricator: Anderson Truss Company
Job Identification: 5-374-MIKE TODD - RICHER (5-374-MIKE TODD - RICHER)
Truss Count: 2
Model Code: Florida Building Code 2001
Truss Criteria: ANSI/TPI-1995(STD)/FBC
Engineering Software: Alpine Software, Versions 7.04, 7.02.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-98 - Closed

Top chord 2x6 SP #2 :T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3 :W2, W4, W14 2x4 SP #2 Dense:

SPECIAL LOADS

-----	(LUMBER	DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	60 PLF at -2.00 to	60 PLF at 4.59
TC - From	122 PLF at 4.59 to	122 PLF at 33.67
BC - From	4 PLF at -2.00 to	4 PLF at 0.00
BC - From	20 PLF at 0.00 to	20 PLF at 4.59
BC - From	44 PLF at 4.59 to	44 PLF at 33.67
BC - From	0 PLF at 33.67 to	44 PLF at 33.67
BC -	243 LB Conc. Load at	2.06, 4.06

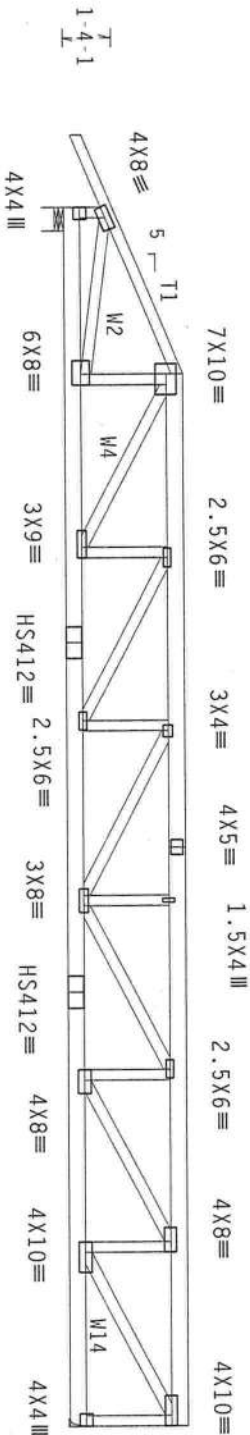
110 mph wind, 9.88 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



33-8-0 Over 2 Supports
R=2991 U=554 W=8"

R=2796 U=518 H=Simpson HUS26
16d, 0.162"x2.5" nails in Truss
16d, 0.162"x2.5" nails in Girder
1s (1)2X6 min. So. Pine

PLT TYP. 20 Gauge HS.Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

803.16

OTV 1

PL/-/3/-/R/-

Scale = .1875"/Ft.

REF R487-- 40532

DATE 09/06/05

DRW HCUSR487 05249038

HC-ENG JB/AF

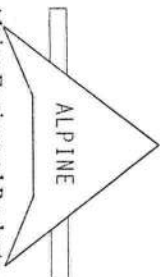
SEQN- 28487

FROM JP

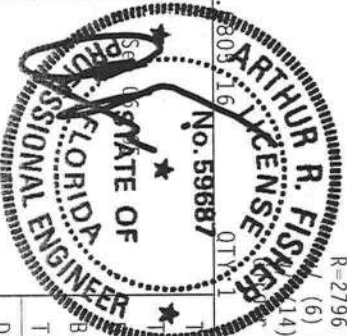
JREF- 1509487_201

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (QUALITY CONTROL COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 500 DUNSTON DR., SUITE 200, HOUSTON, TX 83719) AND BCMA (BUILT UP COLD FORMED SHAPES ASSOCIATION, 55379) FOR SAFETY PRACTICES. ALL TRUSSES MUST BE BRACED TO PREVENT BUCKLING. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS 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 DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. APPLY ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AREA AS OF TPI-2002 SEC.3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOCIETY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



REF R487-- 40532

DATE 09/06/05

DRW HCUSR487 05249038

HC-ENG JB/AF

SEQN- 28487

FROM JP

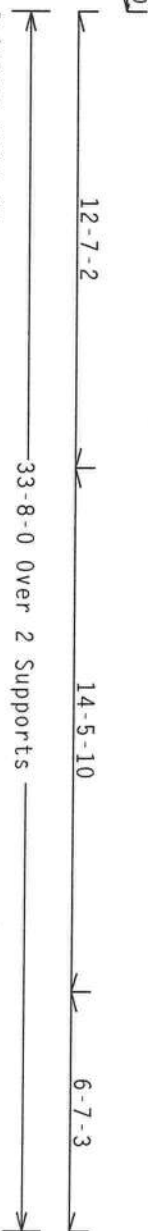
JREF- 1509487_201

[illegible]

110 mph wind, 11.55 ft mean hgt, ASCE 7-98, 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.

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



-33-8-0 Over 2 Supports

$R=1.343$ $U=245$ $H=\text{Simpson}$ $HIS=26$

Truss
Girders

Design Crit: TPI-1995(STD)/FBC

7.04

805.16

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

Scale = .1875" / Ft.

No. 59687

ALPINE

1950 Marney Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

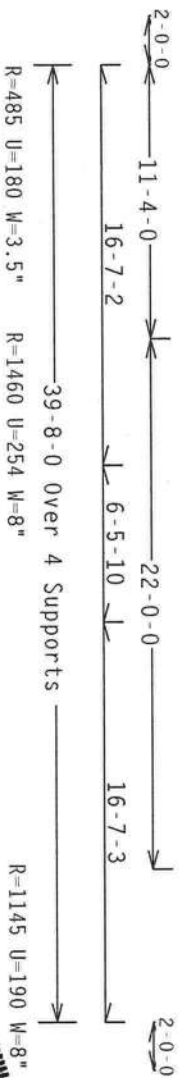
No. 59687
STATE OF

REF	R487 -	40536
DATE	09/06/05	
DRW	HCUSR487	05249021
HC-ENG	JB/AF	
SEQN-	28406	
FROM	JP	
JREF -	1S09487_	Z01

THIS DMG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY KUDZ MFG.

110 mph wind, 12.38 ft mean hgt, ASCE 7-98, 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.



R=1145 U=190 W=8"

R=340 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

805.16	QTY:1
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FL/-/3/-/-/R/-

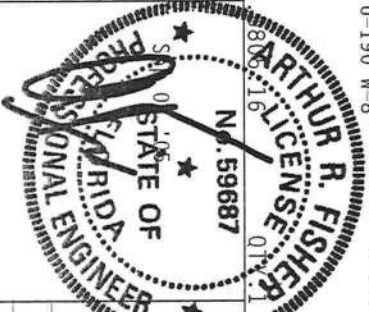
Scale = .125"/Ft.

STATE OF
N. 59687



ALPINE

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



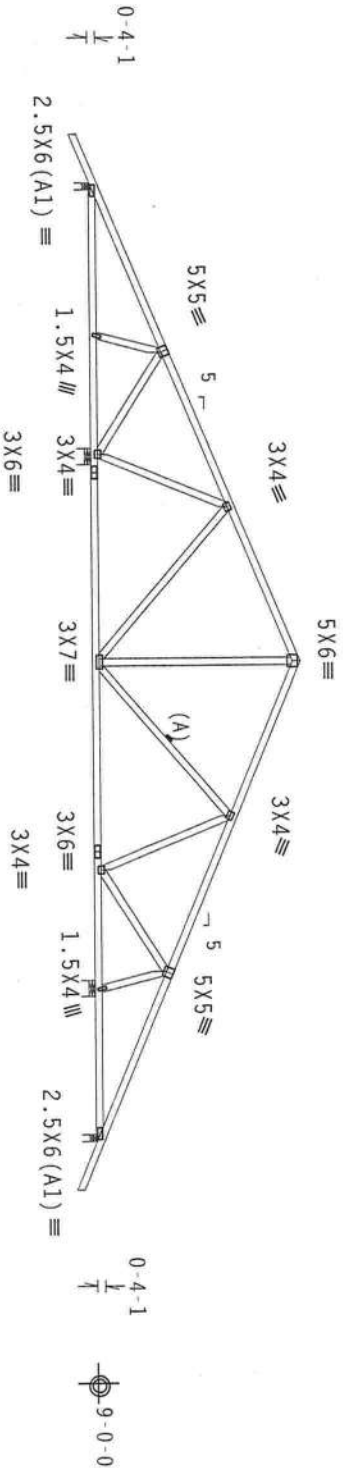
C LL	20.0 PSF	REF	R487 - - 40538
C DL	10.0 PSF	DATE	09/06/05
C DL	10.0 PSF	DRW	HCUSR487 05249025
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	28422
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF -	1509487_Z01

(5-374-MIKE TODD - RICHER - A9)
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 13.05 ft mean hgt, ASCE 7-98, 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.

(A) Continuous lateral bracing equally spaced on member.

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



2'-0"-0
11'-4"-0
19'-10"-0
22'-0"-0
19'-10"-0
2'-0"-0
39'-8"-0 over 4 Supports
R-478 U=180 W=3.5" R=1472 U=253 W=8"
R=1149 U=193 W=8" R=330 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.805

QTY 11

LL/-/3/-/-/R/-

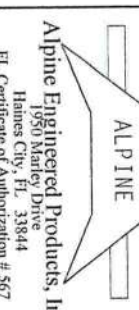
Scale = .125"/ft.

****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), 500 DUNFORD DR., SUITE 200, MADISON, WI 53719 AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 1000 W. WISCONSIN, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING TRUSS ERECTION. TRUSS MANUFACTURER 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 BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE SUBMITTAL 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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1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567



TOT. LD.	40.0 PSF	HC-ENG JB/AF
DUR. FAC.	1.25	SEON- 28443
SPACING	24.0"	FROM JP

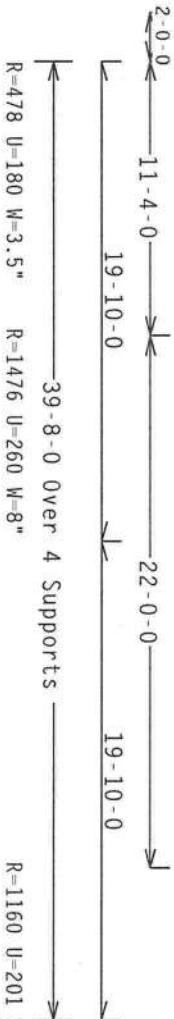
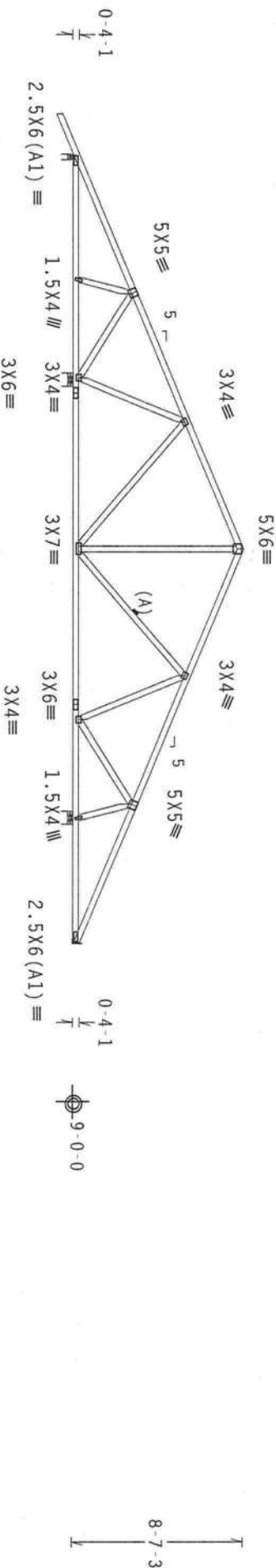
REF	R487-- 40540
DATE	09/06/05
DRW	HCUSR487 05249033
JREF	1S09487_201

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

110 mph wind, 13.05 ft mean hgt, ASCE 7-98, 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.

H = recommended connection based on manufacturer tested capacities and
calculations. Conditions may exist that require different connections
than indicated. Refer to manufacturer publication for additional information.

(A) Continuous lateral bracing equally spaced on member.
Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04 0805.16

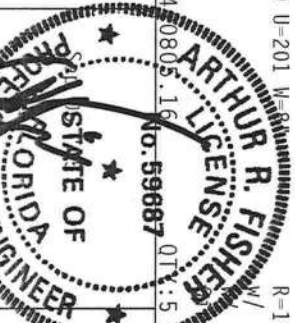
OT: 5 FL/-/3/-/-/R/-

Scale = .125"/Ft.

****WARNING**** TROSSES 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), 563 N. 10TH AVE., SUITE 200, CHICAGO, IL 60642-1000. FOR ADDITIONAL INFORMATION. ALL TROSSES MUST BE BRACED TO THE BUILDING STRUCTURE TO PREVENT EXCESSIVE DEFLECTION. 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 TROSS IN CONFORMANCE WITH TPI: ON FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TROSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BCS (NATIONAL DESIGN SPEC. BY AIA/AIA AND TPI. APPLY PLATES TO EACH FACE OF TROSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-Z.

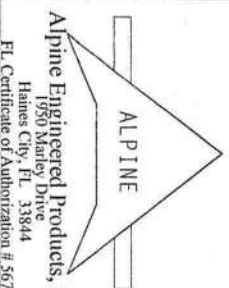
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANHX A1 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANHX TPI 1 SEC. 2.



R=188 U=180 H=Simpson LU24
W/ (2) 10d, 0.148"x1.5" nails in Truss
(4) 10d Common, 0.148"x3.0" nails in Girder
After is (1)2X6 min. So.Pine

C LL	20.0 PSF	REF R487-- 40541
C DL	10.0 PSF	DATE 09/06/05
BC DL	10.0 PSF	DRW HCUSR487 05249022
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 28454

DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1S09487_Z01



Top chord 2x4 SP #2
Bot chord 2x8 SP 2400f-2.0E
Webs 2x4 SP #3

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 22.67
BC - From 408 PLF at 0.00 to 408 PLF at 7.54
BC - From 20 PLF at 7.54 to 20 PLF at 22.67
BC - 5607 LB Conc. Load at 8.54

End verticals not exposed to wind pressure.

(A) (2) #3 or better scab braces. Same size & 80% length of web member.
Attach one to each face w/10d nails @ 6" OC.

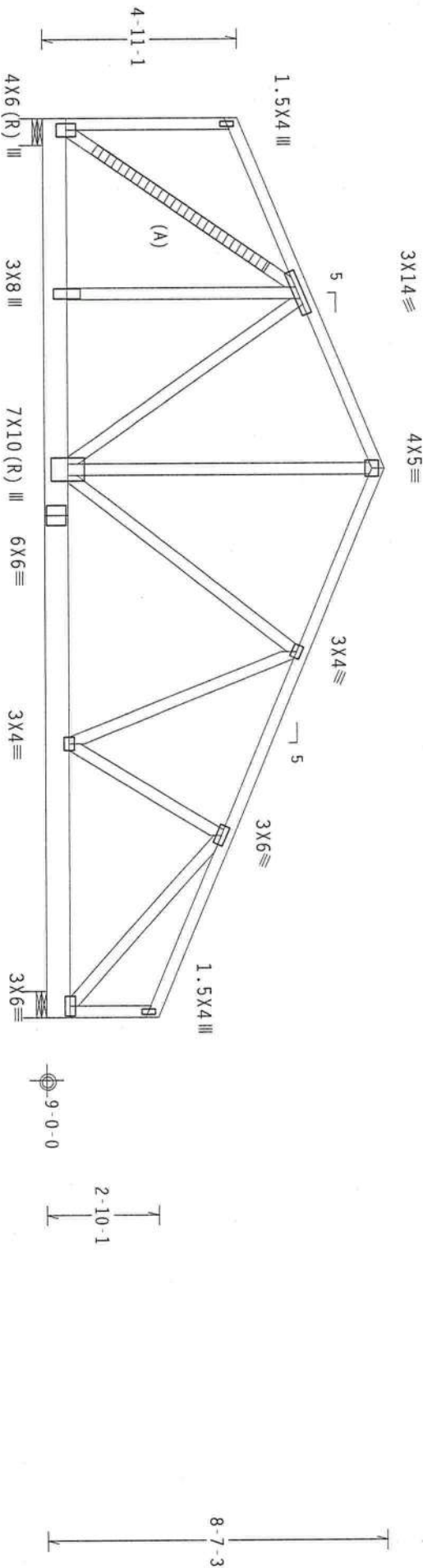
2 COMPLETE TRUSSES REQUIRED

MAILING SCHEDULE: (12d box nails)

TOP CHORD: 1 ROW @ 12" O.C.
BOT CHORD: 1 ROW @ 4" O.C.
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 7-98, 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.
12d BOX NAILS (0.128"x3.25")



8-10-0 13-10-0
22-8-0 over 2 Supports
R=6838 U=1927 W=8"

R=3506 U=1250 W=8"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.02.

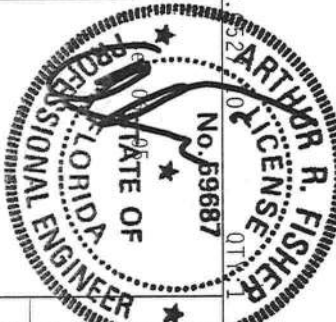
FL/-/3/-/-/R/-

Scale =.25"/Ft.

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, 500 O'DONOHIO DR., SUITE 200, MADISON, WI 53719) AND UPCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE DR., 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 THE FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PD) AND TPI. APPLY CONNECTOR PLATES ARE NONE OR 20/18/16/6, (W/S/R) ASH AREA GRADE 40/60 (W, R/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES 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 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.



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

LL	20.0 PSF	REF R487-- 40542
DL	10.0 PSF	DATE 09/06/05
BC DL	10.0 PSF	DRW HCUR487 05249056
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 111527 REV
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1509487_201

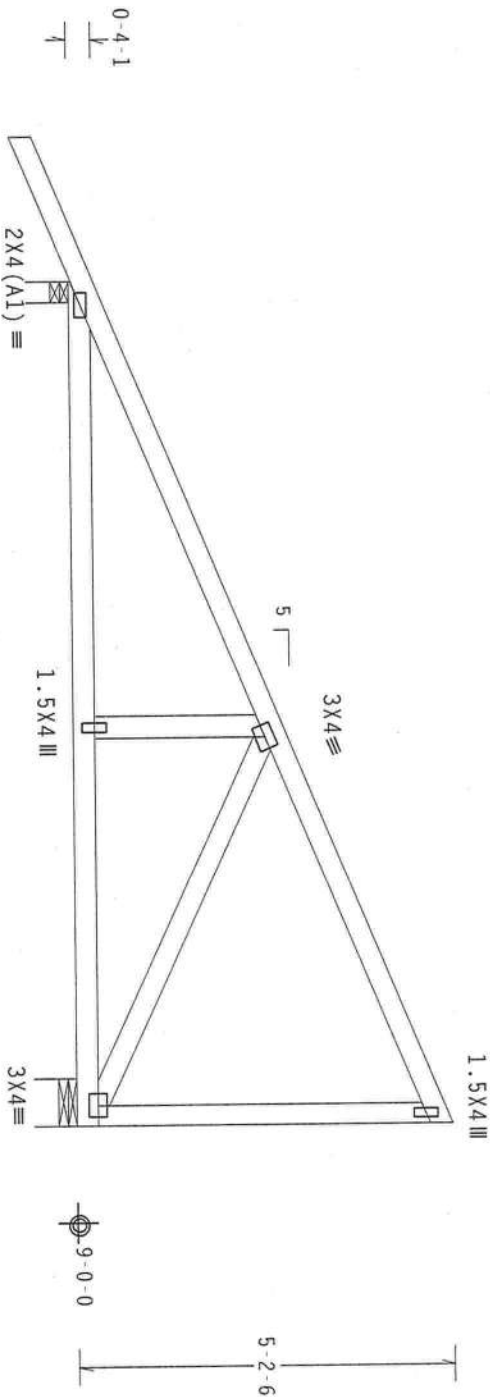
(5-374-MIKE TODD - RICHER - A11)

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

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

110 mph wind, 11.35 ft mean hgt, ASCE 7-98, 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.



←2-0-0→

11-8-0 Over 2 Supports
R=621 U=180 W=3.5"
R=440 U=180 W=8"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

805.16

DTY 1

CL/-/3/-/-/R/-

Scale = .375"/Ft.

REF R487 - 40543

DATE 09/06/05

DRW HCUSR487 05249031

HC-ENG JB/AF

SEQN - 28126

FROM JP

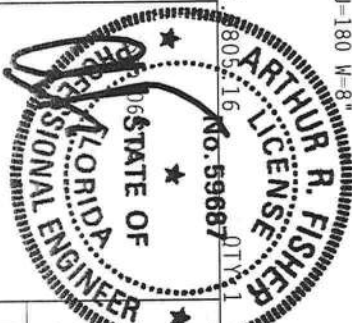
JREF - 1S09487_201

****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, 505 D'AMORETTO DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 505 D'AMORETTO 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.

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

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

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
E1 Certificate of Authorization #567



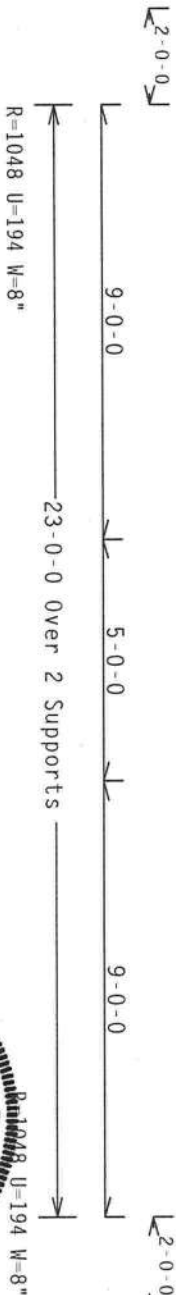
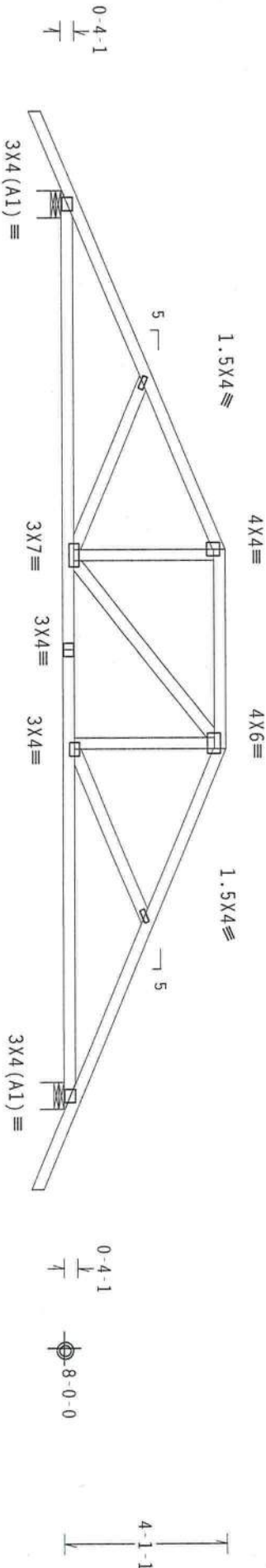
(5-374-MIKE TODD - RICHER - B2)

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

110 mph wind, 9.80 ft mean hgt., ASCE 7-98, 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.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04.1803.16

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

Scale = .25" /ft.

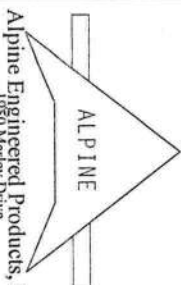
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 569 O'CONNOR DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE RD, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED KIDCO CEILING.

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

PRODUCTS, THE SHOWN BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY NDS) AND TPI.

CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/5/25) 45TH AGES GRADE 40/60 (W/ 4/4.5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-Z.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SHOWN. THE SUSTAINABILITY 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



TYP		REF	
LL	20.0 PSF	R487--	40545
DL	10.0 PSF	DATE	09/06/05
DL	10.0 PSF	DRW	HCUSR487 05249030
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	28325
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1509487_201

Top chord 2x4 SP #2
Bot chord 2x8 SP #2400f-2.0E
Meds 2x4 SP #3

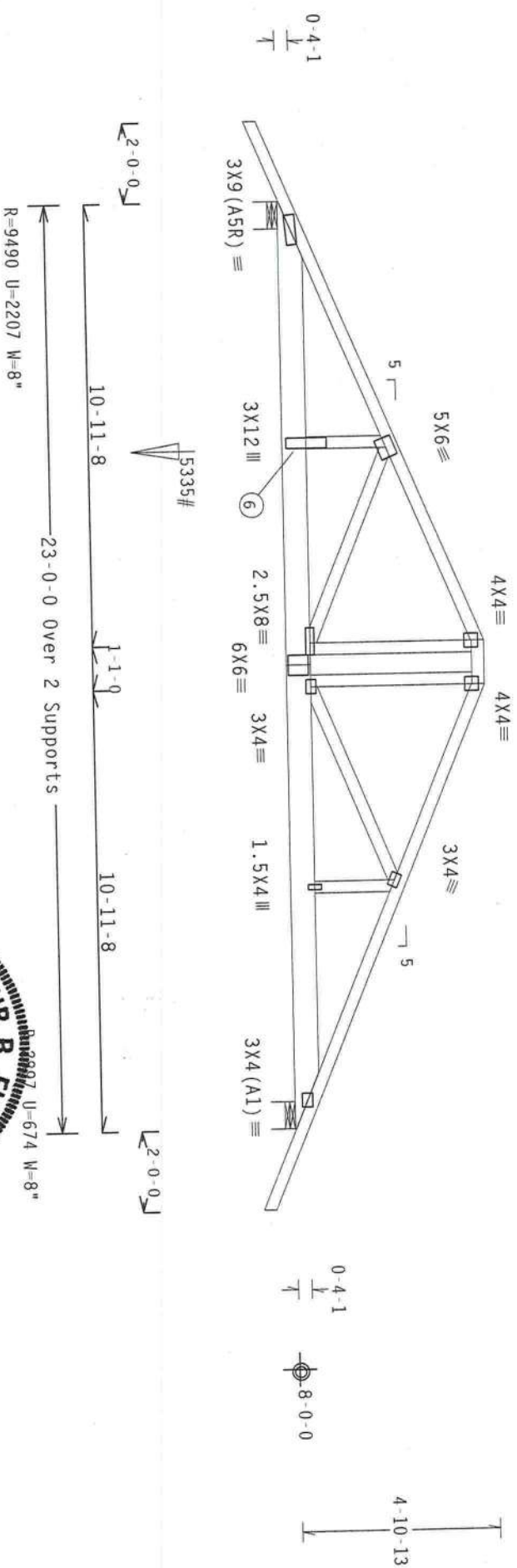
SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -2.00 to 60 PLF at 25.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 23.00
BC - From 4 PLF at 23.00 to 4 PLF at 25.00
BC - 1652 LB Conc. Load at 0.40, 2.33, 4.33
BC - 5335 LB Conc. Load at 6.15

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

3 COMPLETE TRUSSES REQUIRED

MAILING SCHEDULE: (12d box nails)
TOP CHORD: 1 ROW @ 12" o.c.
BOT CHORD: 1 ROW @ 4" o.c.
WEBS: 1 ROW @ 4" o.c.
REPEAT MAILING AS EACH LAYER IS APPLIED. USE EQUAL SPACING BETWEEN ROWS AND STAGGER NAILS IN EACH ROW TO AVOID SPLITTING.
110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.
12d BOX NAILS (0.128"x3.25")
CLUSTER (0.128x3.0 10d BOX NAILS) TO OUTER FACE OPPOSITE OF HANGER ON (3) PLY UNIT AS SHOWN BY NAIL CIRCLES.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.02

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

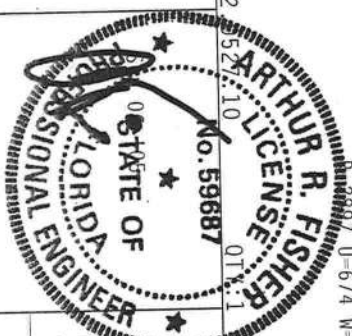
Scale = .25" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 563 RIVER ROAD, 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. INSTALLING AND BRACING OF TRUSSES, TRUSS TO CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AISC 360, 360I, 360J, 360K, 360L, 360M, 360N, 360O, 360P, 360Q, 360R, 360S, 360T, 360U, 360V, 360W, 360X, 360Y, 360Z, 360AA, 360AB, 360AC, 360AD, 360AE, 360AF, 360AG, 360AH, 360AI, 360AJ, 360AK, 360AL, 360AM, 360AN, 360AO, 360AP, 360AQ, 360AR, 360AS, 360AT, 360AU, 360AV, 360AW, 360AX, 360AY, 360AZ, 360BA, 360BB, 360BC, 360BD, 360BE, 360BF, 360BG, 360BH, 360BI, 360BJ, 360BK, 360BL, 360BM, 360BN, 360BO, 360BP, 360BQ, 360BR, 360BS, 360BT, 360BU, 360BV, 360BW, 360BX, 360BY, 360BZ, 360CA, 360CB, 360CC, 360CD, 360CE, 360CF, 360CG, 360CH, 360CI, 360CJ, 360CK, 360CL, 360CM, 360CN, 360CO, 360CP, 360CQ, 360CR, 360CS, 360CT, 360CU, 360CV, 360CW, 360CX, 360CY, 360CZ, 360DA, 360DB, 360DC, 360DD, 360DE, 360DF, 360DG, 360DH, 360DI, 360DJ, 360DK, 360DL, 360DM, 360DN, 360DO, 360DP, 360DQ, 360DR, 360DS, 360DT, 360DU, 360DV, 360DW, 360DX, 360DY, 360DZ, 360EA, 360EB, 360EC, 360ED, 360EE, 360EF, 360EG, 360EH, 360EI, 360EJ, 360EK, 360EL, 360EM, 360EN, 360EO, 360EP, 360EQ, 360ER, 360ES, 360ET, 360EU, 360EV, 360EW, 360EX, 360EY, 360EZ, 360FA, 360FB, 360FC, 360FD, 360FE, 360FF, 360FG, 360FH, 360FI, 360FJ, 360FK, 360FL, 360FM, 360FN, 360FO, 360FP, 360FQ, 360FR, 360FS, 360FT, 360FU, 360FV, 360FW, 360FX, 360FY, 360FZ, 360GA, 360GB, 360GC, 360GD, 360GE, 360GF, 360GG, 360GH, 360GI, 360GJ, 360GK, 360GL, 360GM, 360GN, 360GO, 360GP, 360GQ, 360GR, 360GS, 360GT, 360GU, 360GV, 360GW, 360GX, 360GY, 360GZ, 360HA, 360HB, 360HC, 360HD, 360HE, 360HF, 360HG, 360HH, 360HI, 360HJ, 360HK, 360HL, 360HM, 360HN, 360HO, 360HP, 360HQ, 360HR, 360HS, 360HT, 360HU, 360HV, 360HW, 360HX, 360HY, 360HZ, 360IA, 360IB, 360IC, 360ID, 360IE, 360IF, 360IG, 360IH, 360II, 360IJ, 360IK, 360IL, 360IM, 360IN, 360IO, 360IP, 360IQ, 360IR, 360IS, 360IT, 360IU, 360IV, 360IW, 360IX, 360IY, 360IZ, 360JA, 360JB, 360JC, 360JD, 360JE, 360JF, 360JG, 360JH, 360JI, 360JJ, 360JK, 360JL, 360JM, 360JN, 360JO, 360JP, 360JQ, 360JR, 360JS, 360JT, 360JU, 360JV, 360JW, 360JX, 360JY, 360JZ, 360KA, 360KB, 360KC, 360KD, 360KE, 360KF, 360KG, 360KH, 360KI, 360KJ, 360KK, 360KL, 360KM, 360KN, 360KO, 360KP, 360KQ, 360KR, 360KS, 360KT, 360KU, 360KV, 360KW, 360KX, 360KY, 360KZ, 360LA, 360LB, 360LC, 360LD, 360LE, 360LF, 360LG, 360LH, 360LI, 360LJ, 360LK, 360LL, 360LM, 360LN, 360LO, 360LP, 360LQ, 360LR, 360LS, 360LT, 360LU, 360LV, 360LW, 360LX, 360LY, 360LZ, 360MA, 360MB, 360MC, 360MD, 360ME, 360MF, 360MG, 360MH, 360MI, 360MJ, 360MK, 360ML, 360MM, 360MN, 360MO, 360MP, 360MQ, 360MR, 360MS, 360MT, 360MU, 360MV, 360MW, 360MX, 360MY, 360MZ, 360NA, 360NB, 360NC, 360ND, 360NE, 360NF, 360NG, 360NH, 360NI, 360NJ, 360NK, 360NL, 360NM, 360NN, 360NO, 360NP, 360NQ, 360NR, 360NS, 360NT, 360NU, 360NV, 360NW, 360NX, 360NY, 360NZ, 360OA, 360OB, 360OC, 360OD, 360OE, 360OF, 360OG, 360OH, 360OI, 360OJ, 360OK, 360OL, 360OM, 360ON, 360OO, 360OP, 360OQ, 360OR, 360OS, 360OT, 360OU, 360OV, 360OW, 360OX, 360OY, 360OZ, 360PA, 360PB, 360PC, 360PD, 360PE, 360PF, 360PG, 360PH, 360PI, 360PJ, 360PK, 360PL, 360PM, 360PN, 360PO, 360PP, 360PQ, 360PR, 360PS, 360PT, 360PU, 360PV, 360PW, 360PX, 360PY, 360PZ, 360QA, 360QB, 360QC, 360QD, 360QE, 360QF, 360QG, 360QH, 360QI, 360QJ, 360QK, 360QL, 360QM, 360QN, 360QO, 360QP, 360QQ, 360QR, 360QS, 360QT, 360QU, 360QV, 360QW, 360QX, 360QY, 360QZ, 360RA, 360RB, 360RC, 360RD, 360RE, 360RF, 360RG, 360RH, 360RI, 360RJ, 360RK, 360RL, 360RM, 360RN, 360RO, 360RP, 360RQ, 360RR, 360RS, 360RT, 360RU, 360RV, 360RW, 360RX, 360RY, 360RZ, 360SA, 360SB, 360SC, 360SD, 360SE, 360SF, 360SG, 360SH, 360SI, 360SJ, 360SK, 360SL, 360SM, 360SN, 360SO, 360SP, 360SQ, 360SR, 360SS, 360ST, 360SU, 360SV, 360SW, 360SX, 360SY, 360SZ, 360TA, 360TB, 360TC, 360TD, 360TE, 360TF, 360TG, 360TH, 360TI, 360TJ, 360TK, 360TL, 360TM, 360TN, 360TO, 360TP, 360TQ, 360TR, 360TS, 360TT, 360TU, 360TV, 360TW, 360TX, 360TY, 360TZ, 360UA, 360UB, 360UC, 360UD, 360UE, 360UF, 360UG, 360UH, 360UI, 360UJ, 360UK, 360UL, 360UM, 360UN, 360UO, 360UP, 360UQ, 360UR, 360US, 360UT, 360UU, 360UV, 360UW, 360UX, 360UY, 360UZ, 360VA, 360VB, 360VC, 360VD, 360VE, 360VF, 360VG, 360VH, 360VI, 360VJ, 360VK, 360VL, 360VM, 360VN, 360VO, 360VP, 360VQ, 360VR, 360VS, 360VT, 360VU, 360VV, 360VW, 360VX, 360VY, 360VZ, 360WA, 360WB, 360WC, 360WD, 360WE, 360WF, 360WG, 360WH, 360WI, 360WJ, 360WK, 360WL, 360WM, 360WN, 360WO, 360WP, 360WQ, 360WR, 360WS, 360WT, 360WU, 360WV, 360WW, 360WX, 360WY, 360WZ, 360XA, 360XB, 360XC, 360XD, 360XE, 360XF, 360XG, 360XH, 360XI, 360XJ, 360XK, 360XL, 360XM, 360XN, 360XO, 360XP, 360XQ, 360XR, 360XS, 360XT, 360XU, 360XV, 360XW, 360XX, 360XY, 360XZ, 360YA, 360YB, 360YC, 360YD, 360YE, 360YF, 360YG, 360YH, 360YI, 360YJ, 360YK, 360YL, 360YM, 360YN, 360YO, 360YP, 360YQ, 360YR, 360YS, 360YT, 360YU, 360YV, 360YW, 360YX, 360YY, 360YZ, 360ZA, 360ZB, 360ZC, 360ZD, 360ZE, 360ZF, 360ZG, 360ZH, 360ZI, 360ZJ, 360ZK, 360ZL, 360ZM, 360ZN, 360ZO, 360ZP, 360ZQ, 360ZR, 360ZS, 360ZT, 360ZU, 360ZV, 360ZW, 360ZX, 360ZY, 360ZZ

ALPINE

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



FL / - / 3 / - / - / R / -	Scale = .25" / Ft.
LL	20.0 PSF
REF	R487 - 40546
DATE	09/06/05
DRW	HCUSR487 05249057
HC-ENG	JB/AF
SEQN	111536 REV
FROM	JP
DUR.FAC.	1.25
SPACING	24.0"
JREF	1509487_201

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

110 mph wind, 10.32 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Trusses to be spaced at 52.0" OC maximum.

2 COMPLETE TRUSSES REQUIRED

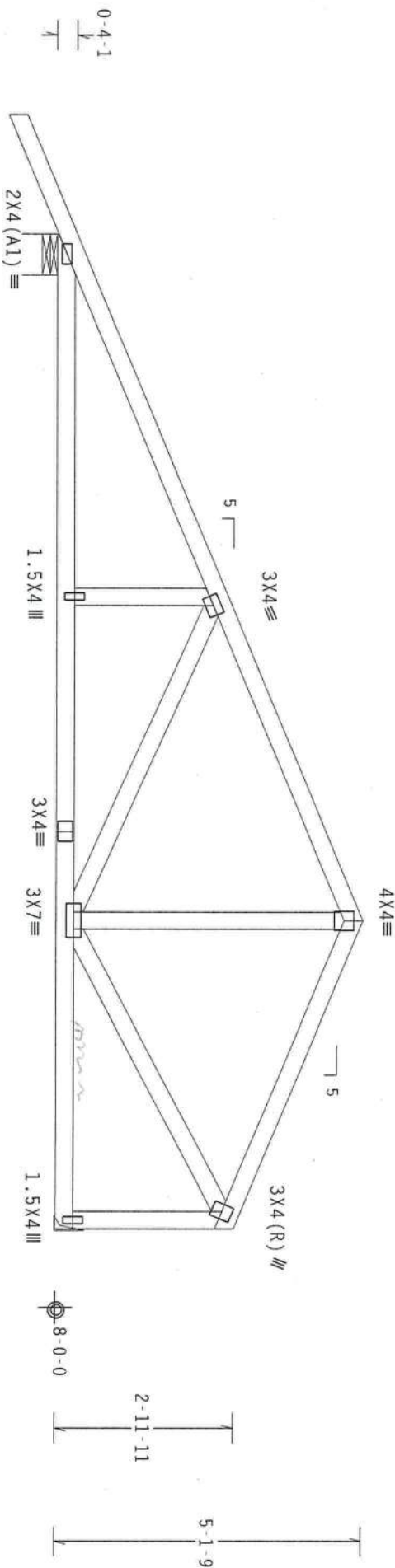
Nailing Schedule: (12d_Box_or_Gun_(0.128"x3.25",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 120" OC.

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



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

863.16

0.01

FL/-/3/-/R/-

Scale = .375"/ft.

REF R487-- 40548

DATE 09/06/05

DRW HCUR487 05249058

HC-ENG JB/AF

SEON- 28966

FROM JP

JREF - 1S09487_Z01

****WARNING**** TRUSSES REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 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, ALL TRUSSES 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 THE DESIGN OR INSTALLATION OF TRUSSES OR FOR THE BRACING OF TRUSSES IN CONFORMANCE WITH TPI. DESIGN CORRECTIONS WITH APPLICABLE PROVISIONS OF MOD. (MODIFIED) DESIGN SPEC. BY A/E/C/S/ AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/10/16GA (W/H/S/K) ASH A563 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 TPI-2002 SEC. 3. A SEAL ON THIS BRACING 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.

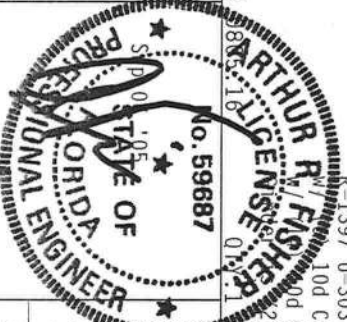


Alpine Engineered Products, Inc.

1050 Maple Drive

Haines City, FL 33844

FL Certificate of Authorization #567



C LL	20.0 PSF	REF R487-- 40548
C DL	10.0 PSF	DATE 09/06/05
C DL	10.0 PSF	DRW HCUR487 05249058
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 28966
DUR. FAC.	1.25	FROM JP
SPACING	52.0"	JREF - 1S09487_Z01

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

110 mph wind, 10.51 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.83 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

In lieu of structural panels or rigid ceiling use purlins to brace TC @ 24" OC, BC @ 48" OC.

2 COMPLETE TRUSSES REQUIRED

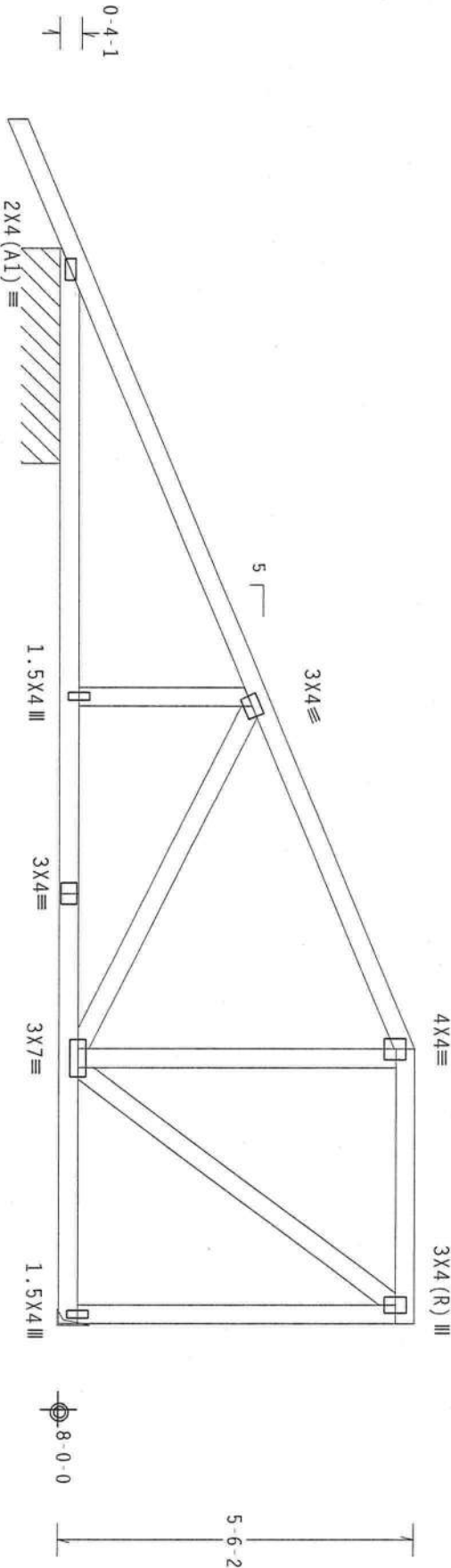
Nailing Schedule: (12d Box or Gun (0.128"x3.25",_min.)_nails)

Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical not exposed to wind pressure.

Trusses to be spaced at 52.0" OC maximum.

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



12-5-0

16-8-0

4-3-0

5-6-2

R-541 PLF U=106 PLF W=3-4-0

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

803.16

FL/-13/-1/-R/-

Scale =.375"/Ft.

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, 503 MADISON AVE., SUITE 200, ST. LOUIS, MO 63102) FOR ADDITIONAL INFORMATION. TRUSSES ARE TO BE USED IN ACCORDANCE WITH THE TPI SAFETY PRACTICES. 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 TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (W.M.S/E) ASH 6653 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 TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SAFETY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Markey Drive
Haines City, FL 33844
FL Certificate of Authorization #367

LL	20.0 PSF	REF R487-- 40549
DL	10.0 PSF	DATE 09/06/05
CL	10.0 PSF	DRW HCUR487 05249059
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEON- 28986
DUR. FAC.	1.25	FROM JP
SPACING	52.0"	JREF- 1S09487_201

110 mph wind, 9.80 ft mean hgt, ASCE 7-98, 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.

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

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



R=483 U=180 H=Stimpson LU24
W=102 10d, 0.148"x1.5" nails in Truss
10d Common, 0.148"x3.0" nails in Girder
(1)2x6 min. So. Pine

PLT TYP. Wave TPI

APPROPRIATE

*IMPORTANT*⁴ FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR

ALPINE ENGINEERED
ATTEMPT TO BUILD THE

ALPINE

1930 Mauley Drive
Haines City, FL 33844

Source: *U.S. Census Bureau, 1980*



C LL	20.0 PSF	REF	R487 - - 40551
C DL	10.0 PSF	DATE	09/06/05
C DL	10.0 PSF	DRW	HCSUR487 05249041
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN -	28246
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF -	1S09487_Z01

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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

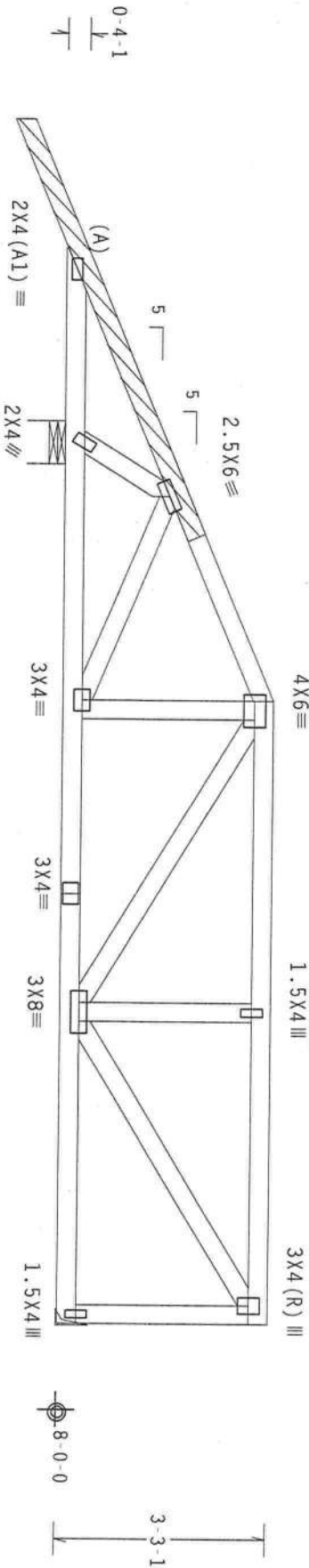
-----	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	60 PLF at -2.00 to 60 PLF at 7.00
TC - From	122 PLF at 7.00 to 122 PLF at 16.67
BC - From	4 PLF at -2.00 to 4 PLF at 0.00
BC - From	20 PLF at 0.00 to 20 PLF at 7.00
BC - From	44 PLF at 7.00 to 44 PLF at 16.67
TC -	205 LB Conc. Load at -2.00
BC -	160 LB Conc. Load at 7.00

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

(A) (1) 2x4X7-0-12 SP #2 Dense Top chord scab centered 1-3-2 from left end. Attach to one face of chord with (2) rows of 12d_Box or_Gun_(0.128"x3.25",_min.)_nails @ 6" O.C., staggered 3".



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

805.16

FL/-13/-1-/R/-

Scale = .375"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 560 DORRHOFF DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO REPAIRING 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.

PROJECTS, CONTRACTORS, ARCHITECTS, ENGINEERS, CONTRACTORS, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE OF THE DESIGN OR CONSTRUCTION OF THE TRUSS SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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



LL	20.0 PSF	REF	R487-- 40552
DL	10.0 PSF	DATE	09/06/05
CL	10.0 PSF	DRW	HCUSR487 05249036
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEUN-	28235
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1S09487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

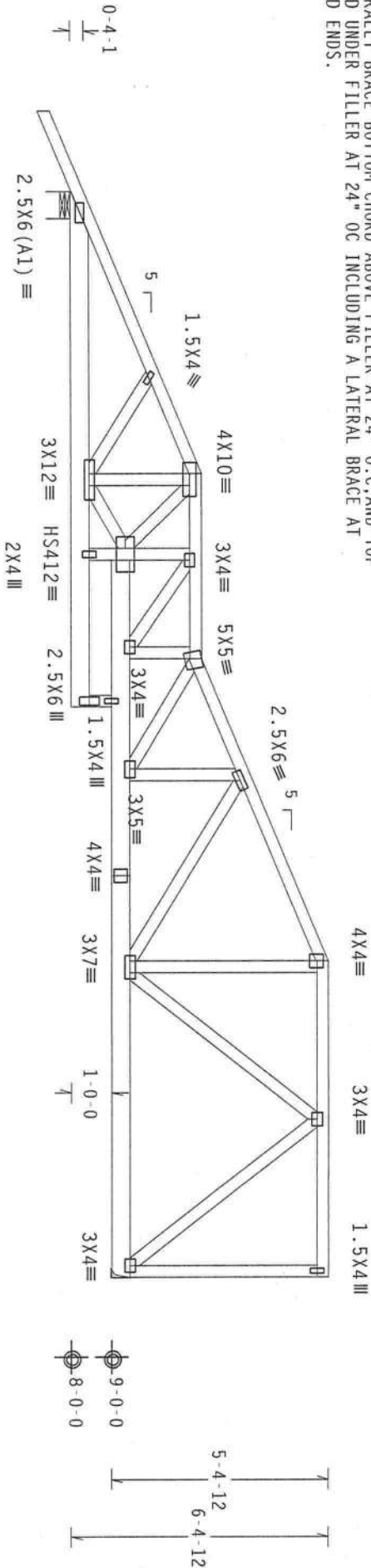
SPECIAL LOADS

------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at -2.00 to 60 PLF at 27.00
BC - From 4 PLF at -2.00 to 4 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 27.00
TC - 173 LB Conc. Load at 7.00
BC - 536 LB Conc. Load at 7.00
BC - 1154 LB Conc. Load at 9.00

Roof overhang supports 2.00 psf soffit load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun (0.128"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
110 mph wind, 10.95 ft mean hgt, ASCE 7-98, 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.

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

PLT TYP. 20 Gauge HS.Wave TPI Design Crtt: TPI-1995(STD)/FBC

7.04

805.1

DTY1

FL/-/3/-/R/-

Scale = .25"/Ft.

REF R487-- 40553

DATE 09/06/05

DRW HCUR487 05249061

HC-ENG JB/AF

SEON- 29235

FROM JP

JREF- 1509487_201

PLT TYP. 20 Gauge HS.Wave TPI

Design Crtt: TPI-1995(STD)/FBC

7.04

805.1

DTY1

FL/-/3/-/R/-

Scale = .25"/Ft.

REF R487-- 40553

DATE 09/06/05

DRW HCUR487 05249061

HC-ENG JB/AF

SEON- 29235

FROM JP

JREF- 1509487_201

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI CROSS PLATE INSTITUTE, 563 D GORRISON DR., SUITE 200, MADISON, WI 53719, AND WICK (WOOD TRUSS CONNECT) OF AMERICA, 6500 ENTERPRISE DR., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE PROCEDURES. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT MAINTAIN 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 CONNECTIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASEP) AND TPI, ALPINE CORP. SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE TRUSS OR TO THE BUILDING. A SEAL ON THIS PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z.

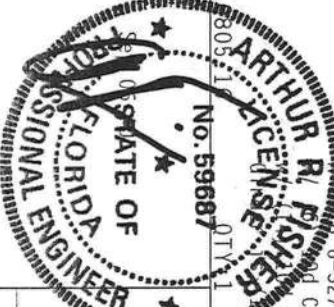
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE RESPONSIBILITY OF THE TRUSS CONFORMANCE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE ENGINEERED PRODUCTS, INC. 1950 Marley Drive, Suite 200, Madison, WI 53719, USA. Phone: 608-271-1111, Fax: 608-271-1112, Email: alpinedesign@alpineeng.com, Website: www.alpineeng.com

ALPINE

Alpine Engineered Products, Inc. 1950 Marley Drive, Suite 200, Madison, WI 53719, USA. Phone: 608-271-1111, Fax: 608-271-1112, Email: alpinedesign@alpineeng.com, Website: www.alpineeng.com

James City, FL 33844
FL Certificate of Authorization # 567



U-327 H-Simpson HHUS26-2

Common, 0.148"x3.0" nails in Truss

Common, 0.148"x3.0" nails in Girder

2x6 min. So.Pine

DTY1

FL/-/3/-/R/-

Scale = .25"/Ft.

REF R487-- 40553

DATE 09/06/05

DRW HCUR487 05249061

HC-ENG JB/AF

SEON- 29235

FROM JP

JREF- 1509487_201

PLT TYP. 20 Gauge HS.Wave TPI

Design Crtt: TPI-1995(STD)/FBC

7.04

805.1

DTY1

FL/-/3/-/R/-

Scale = .25"/Ft.

REF R487-- 40553

DATE 09/06/05

DRW HCUR487 05249061

HC-ENG JB/AF

SEON- 29235

FROM JP

JREF- 1509487_201

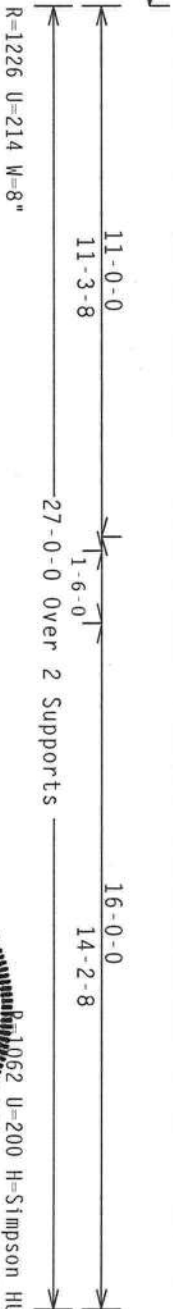
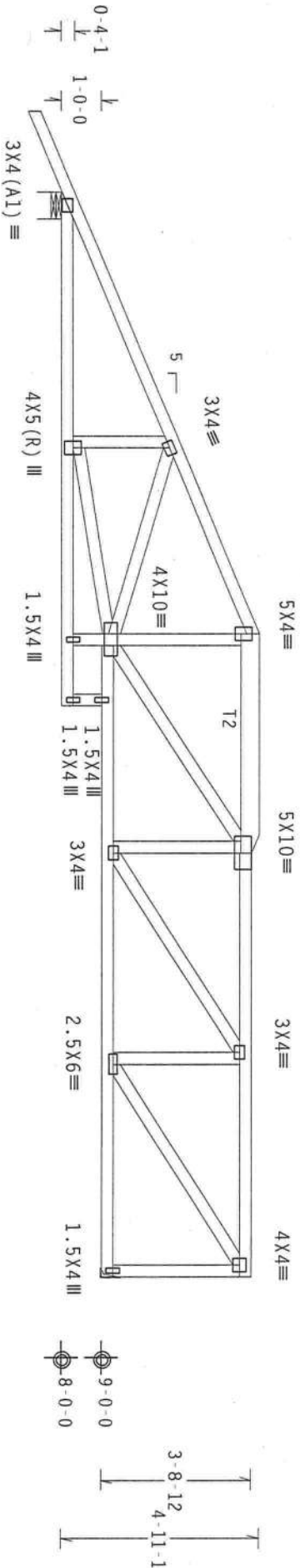
Top chord 2x4 SP #2 Dense :T2 2x6 SP #2:
Bot chord 2x4 SP #2 Dense
Weds 2x4 SP #3

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SEE DWGS TCFFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.

110 mph wind, 10.21 ft mean hgt, ASCE 7-98, 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.
Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

805.16

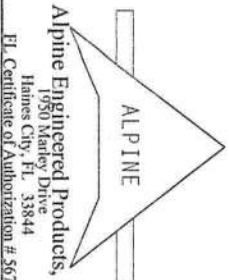
011.1

FL/-13/-1/-R/-

Scale =.25"/Ft.

****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), 5830 MONROE DR., SUITE 200, ROCKFORD, IL 61109, (815) 998-3333, AND BC32 (BRACING OF TRUSSES), PUBLISHED BY TPI, 5830 MONROE DR., SUITE 200, ROCKFORD, IL 61109, (815) 998-3333, AND BC33 (BRACING OF TRUSSES), PUBLISHED BY TPI, 5830 MONROE DR., SUITE 200, ROCKFORD, IL 61109, (815) 998-3333. 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 BCS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/166A (U.N./S.Y.) AS PER AISC GRADE 40/60 (U. K/U.S.) GALV. STEEL. ALPINE 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 AISC AS OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN SIGN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1050 Manley Drive
Haines City, FL 33844
FL Certificate of Authorization # 507



LL	20.0 PSF	REF R487-- 40555
DL	10.0 PSF	DATE 09/06/05
CL DL	10.0 PSF	DRW HCUSR487 05249062
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN- 29139
DUR. FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1S09487_201

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



13-6-0

7-6-8

PLT TYP. Wave TPI

Design Crit: TPI-1995(SIU)/TBC

-27-0-0 Over 2 Supports	7.04
I-1995(SIU)/FBL	

805.

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

Scale = .1875"/Ft.

WARNING: THESE REQUIRE EXPERT CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING, AND BRACING. REFER TO BC51-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CROSS PLATE INSTITUTE, 5830 S. D'AMORIO RD., SUITE 200, MADISON, WI 53719, AND APCA (WOOD ROSS COUNCIL OF AMERICA, 6500 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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

PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY VIOLATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE: OR FABRICATING, WELDING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ALPINE

ANY INSPECTION OF PLATES FOLLOWED BY IT) SHALL BE PER ANHX A.3 OF 1711-2002 SEC.3.3.
DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY BY

BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2

1000



Top chord 2x6 SP #2 :T2, T3 2x8 SP SS:
Bot chord 2x8 SP SS
Webs 2x4 SP #3

Calculated horizontal deflection is 0.15" due to live load and 0.14" due to dead load.

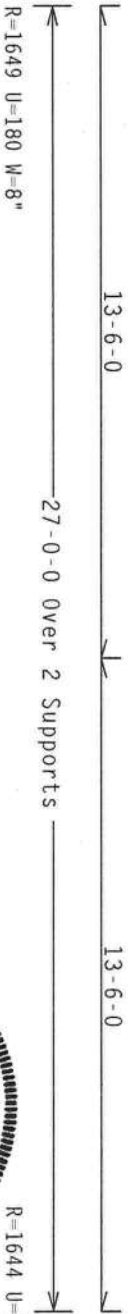
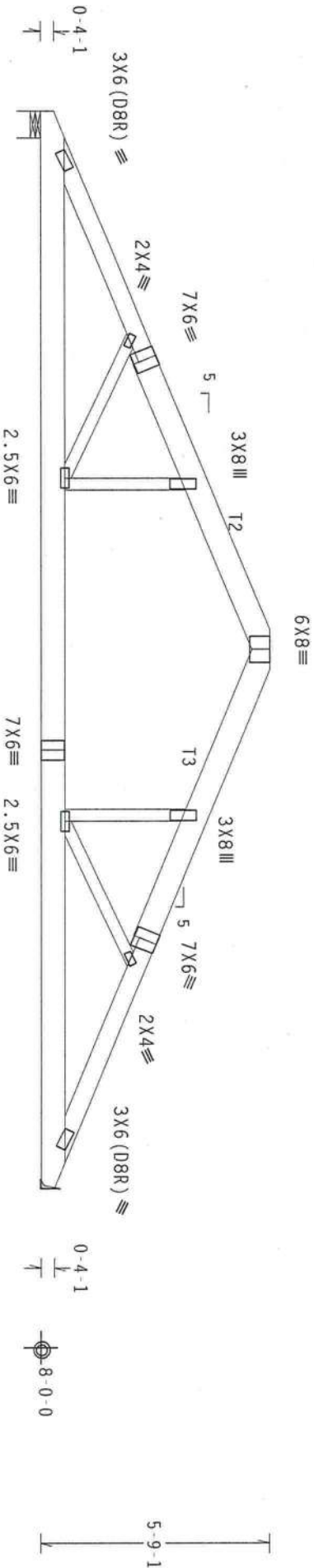
Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

110 mph wind, 11.18 ft mean hgt, ASCE 7-98, 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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 9-6-0 to 17-6-0.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

0805.16

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

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC&I 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 560 D'AMORETTO DR., SUITE 200, MAIDEN, VT 05751) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MAIDEN, VT 05751) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS 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 COMPONENTS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY AIA/AS) AND TPI. ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1604-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 AOS/TPI 1 SEC. 2.



R=1644 U=180 H=Simpson HUS26

W/(4) 16d, 0.162"x2.5" nails in Truss
(14) 16d, 0.162"x2.5" nails in Girder
Refer to (2)2X8 min. So. Pine

BC LL	20.0 PSF	REF R487-- 40557
BC DL	10.0 PSF	DATE 09/06/05
BC DL	10.0 PSF	DRW HCUSR487 05249063
BC LL	0.0 PSF	HC-ENG JB/AF
TOT. LD.	40.0 PSF	SEQN- 29103
DUR. FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1509487_201

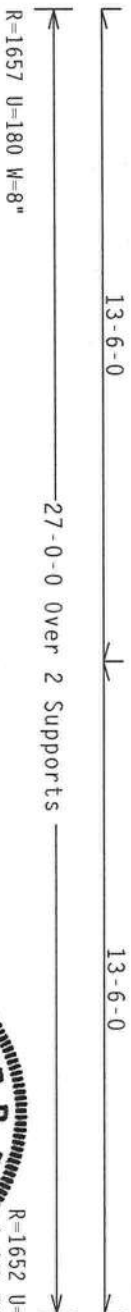


Alpine Engineered Products, Inc.
1950 Santa Fe Blvd.
Maites City, FL 33844
FL Certificate of Authorization # 567

Top chord	2x6	SP	#2	T2,	T3	2x8	SP	SS:
Bot chord	2x8	SP	SS					
Webs	2x4	SP	#3					

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

110 mph wind, 11.28 ft mean hgt, ASCE 7-98, 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.



R=1652 U=180 H=Simpson HUS26
(4) 16d, 0.162"x2.5" nails in Truss
(14) 16d, 0.162"x2.5" nails in Girders
is (2) 2x8 min. So. Pine

Et.

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

CONNECTOR PLATES ARE MADE OF 20/18/1656 (G/115/K) A518M A563 GRADE 40/60 (U, K/115) GALV. STEEL. APPLY PLATES TO EACH FACE OF TROUSS. UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS 160A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF 1911-2002 SEC. 3. A SEAL ON THIS

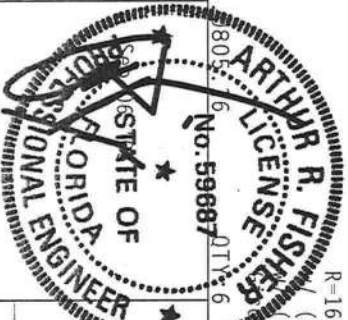
DRAWING INDICATE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE 1988 COMPONENT DESIGN SHOW. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ASH/TP1 1 SEC. 2.



Alpine Engineered Products,

1950 MARNEY DRIVE
HAINES CITY, FL. 33844
FL. Certificate of Authorization

F1. Certificate of Authorization # 567



LL	20.0 PSF	REF	R487 - - 40558
DL	10.0 PSF	DATE	09/06/05
CL	10.0 PSF	DRW	HCHSR487 05249071
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEON -	28379
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF -	1SQ9487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

110 mph wind, 13.56 ft mean hgt, ASCE 7-98, 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.

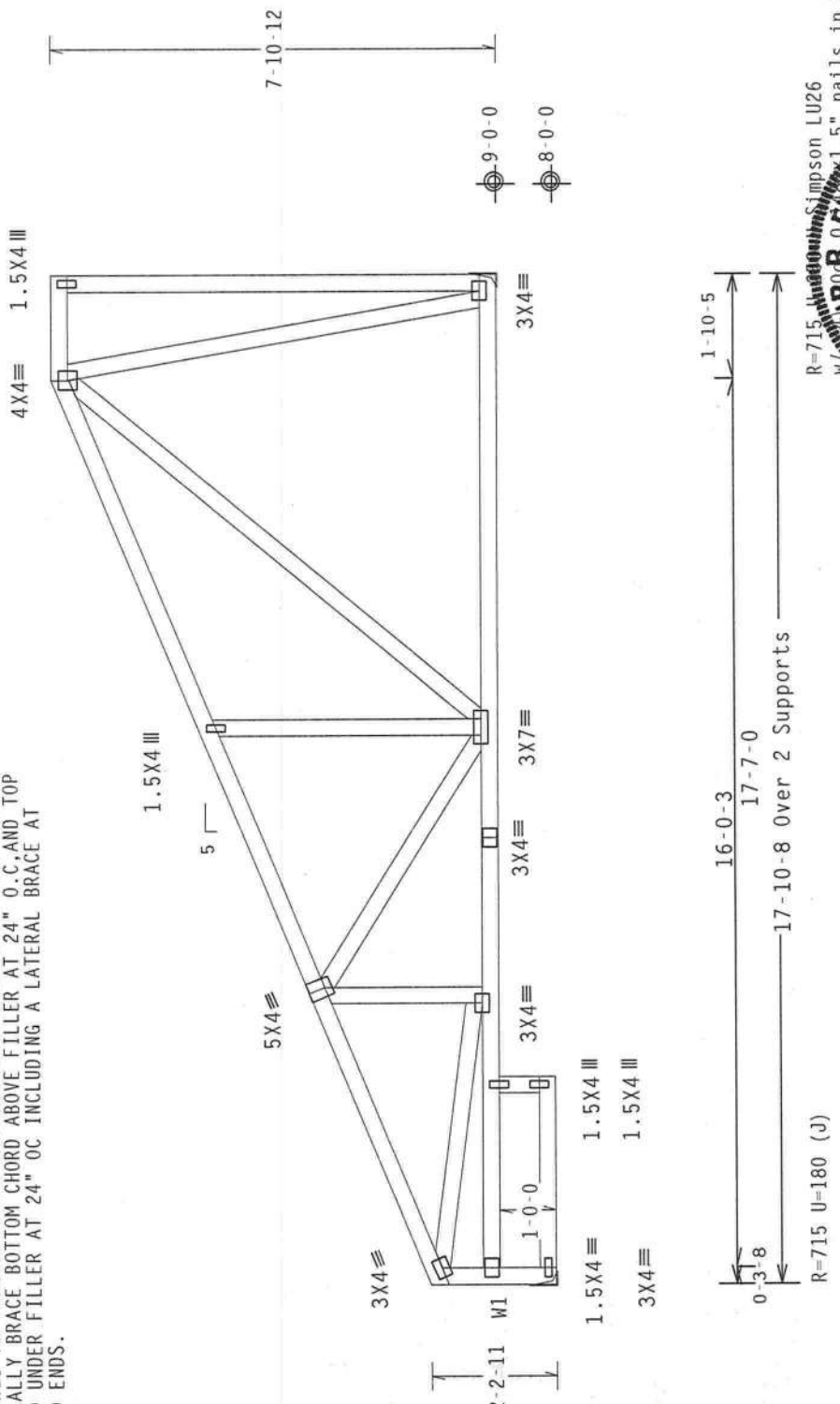
End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(J) hanger connection not found in inventory file for this condition. Provide connection.

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

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.



R=715 U=180 (J)
W/ 1.5" nails in Truss
148"x3.0" nails in Girder
Simpson LU26
R. FISHER
LICENSED PROFESSIONAL ENGINEER
No. 59687
FLORIDA
STATE OF
ALPINE ENGINEERED PRODUCTS, INC.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04	0805.12	FL/-/3/-/R/-	Scale = .3125"/Ft.
					REF R487-- 40559
					DATE 09/06/05
					DRW HCUSR487 05249064
					HC-ENG JB/AF
					SEQN- 29058
					FROM JP
					JREF- 1509487_Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:

110 mph wind, 13.14 ft mean hgt, ASCE 7-98, 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.

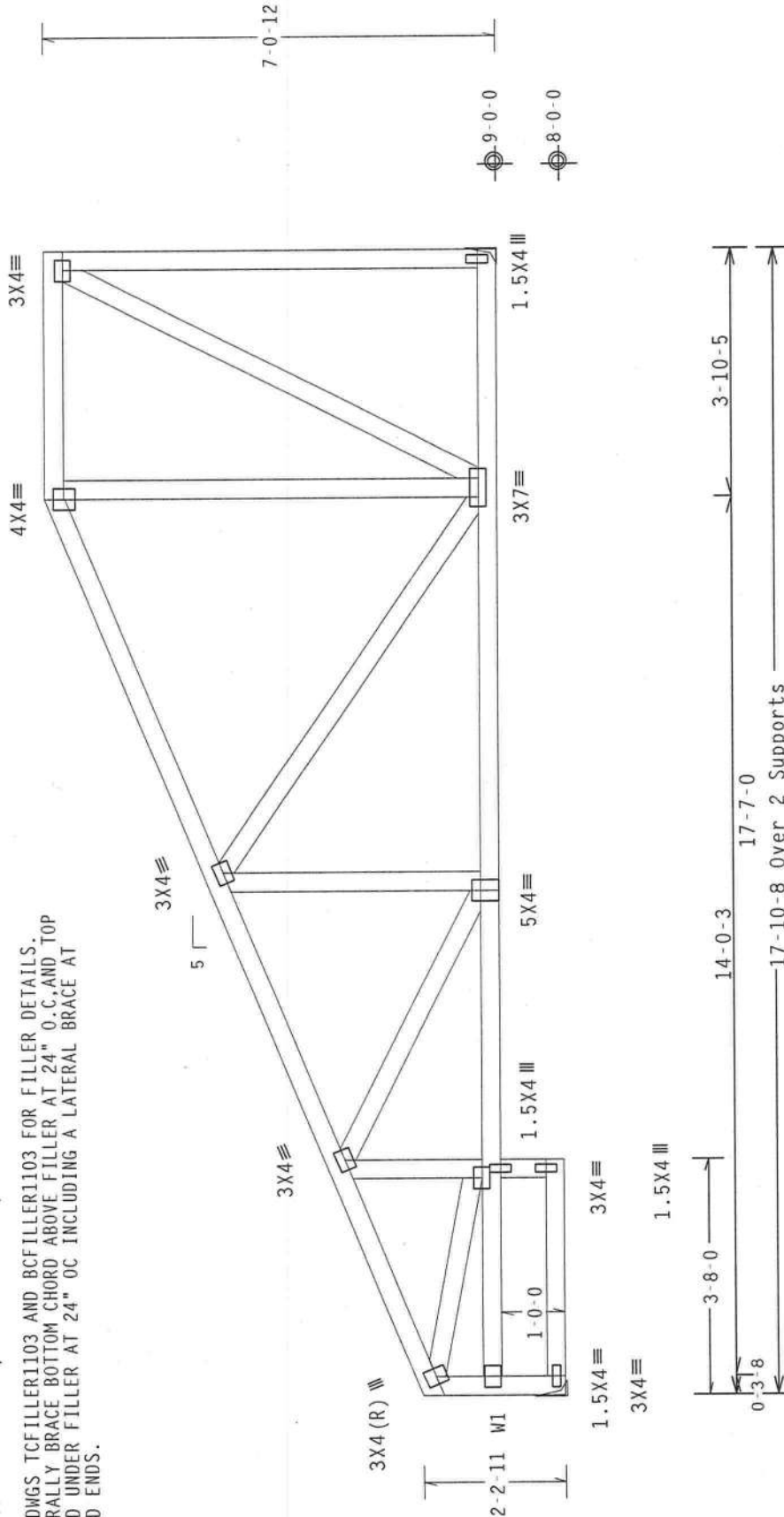
End verticals not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

(J) hanger connection not found in inventory file for this condition. Provide connection.

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

SEE DWGS TCFILLER1103 AND BCFILLER1103 FOR FILLER DETAILS.
LATERALLY BRACE BOTTOM CHORD ABOVE FILLER AT 24" O.C. AND TOP CHORD UNDER FILLER AT 24" OC INCLUDING A LATERAL BRACE AT CHORD ENDS.



R=715 U=234 H=Simpson LU26

10d, 0.148"x1.5" nails in Truss
Common, 0.148"x3.0" nails in Girder
(1)2X6 min. So.Pine

Scale = .375"/Ft.

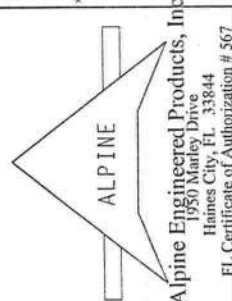
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

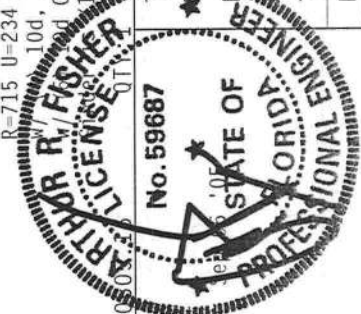
7.04.0000 FL/-/3/-/-R/-

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BPI) FOR TRUSS FABRICATION AND BRACING. THE ALPINE TRUSS INSTITUTE (ATI) HAS DEVELOPED A SERIES OF BEST PRACTICES FOR TRUSS FABRICATION AND BRACING. THESE PRACTICES ARE AVAILABLE AT: www.alpine-truss.com. ANY TRUSS FABRICATOR OR INSTALLER MUST BE A MEMBER OF THE ALPINE TRUSS INSTITUTE (ATI) AND MUST FOLLOW THE ALPINE TRUSS INSTITUTE (ATI) BEST PRACTICES FOR TRUSS FABRICATION AND BRACING. 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 IBCS (NATIONAL DESIGN SPEC, BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W-H/S/K) ASTM A653 GRADE 40/60 (H. 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 PERFORMED AS OF 10/11/2002 PER 100A-2. UNLESS OTHERWISE INDICATED, THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEER. THE SUFFICIENCY OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



FL Certificate of Authorization # 567



T	LL	20.0	PSF	REF	R487--	40560
DL	DL	10.0	PSF	DATE	09/06/05	
DL	DL	10.0	PSF	DRW	HCUSR487	05249065
LL	LL	0.0	PSF	HC-ENG	JB/AF	
TOT.LD.	TOT.LD.	40.0	PSF	SEQN-	29072	
DUR.FAC.	DUR.FAC.	1.25		FROM	JP	
SPACING	SPACING	24.0"		JREF-	15Q9487_Z01	

(5-374-MIKE 1000 - RICHER - DL)

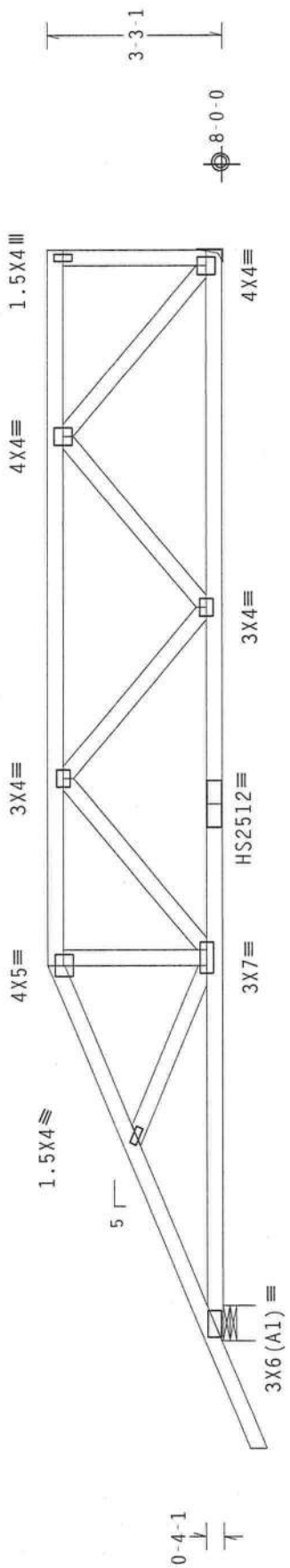
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.
#1 hip supports 7-0-0 jacks with no webs.



2-0-0
7-0-0
13-4-0
20-4-0 Over 2 Supports
R=1650 U=444 W=8"

1708 U=419 H-Simpson HUS26
10d Common, 0.148"x3.0" nails in Truss
Common, 0.148"x3.0" nails in Girder
)2X6 min. So.Pine

PLT TYP. 20 Gauge HS.Wave TPI Design Crit: TPI-1995(STD)/FBC 7.04 FL/-3/-1-R/- Scale =.3125"/Ft.

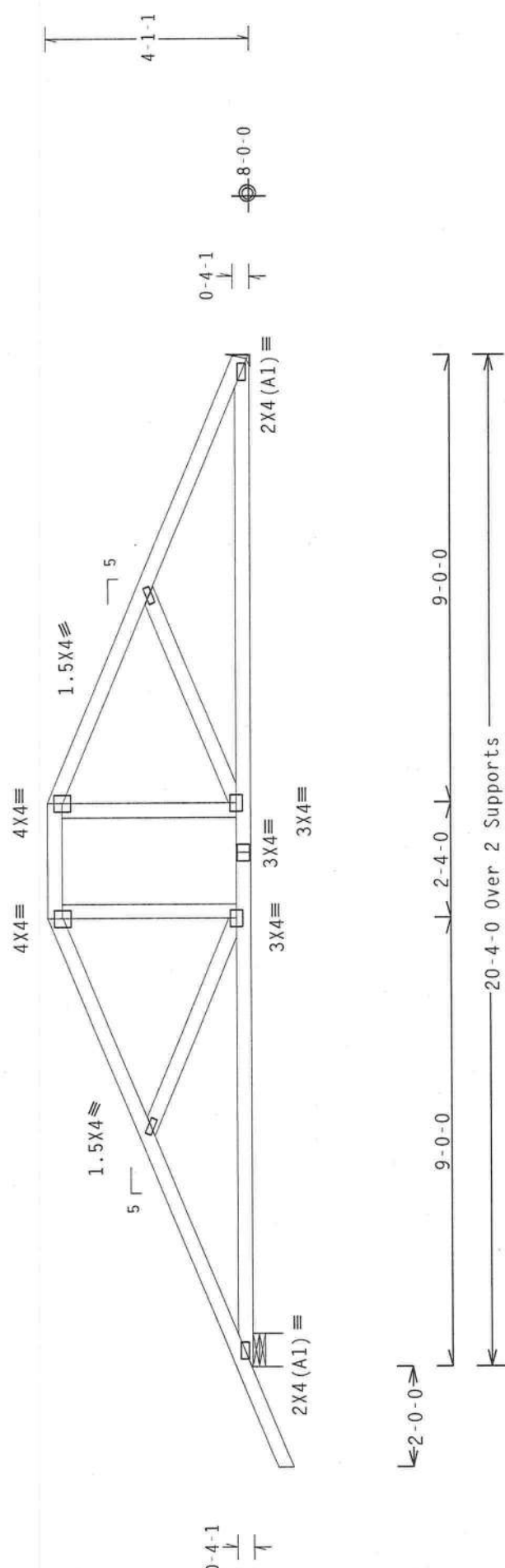
ALPINE		No. 59687		C LL	20.0	PSF
ALPINE		No. 59687		C DL	10.0	PSF
ALPINE		No. 59687		BC DL	10.0	PSF
ALPINE		No. 59687		BC LL	0.0	PSF
ALPINE		No. 59687		TOT.LD.	40.0	PSF
ALPINE		No. 59687		DUR.FAC.	1.25	
ALPINE		No. 59687		SPACING	24.0"	
ALPINE		No. 59687		REF	R487--	40562
ALPINE		No. 59687		DATE	09/06/05	
ALPINE		No. 59687		DRW	HCUSR487	05249054
ALPINE		No. 59687		HC-ENG	JB/AF	
ALPINE		No. 59687		SEON-	28513	
ALPINE		No. 59687		FROM	JP	
ALPINE		No. 59687		JREF-	1SQ9487_Z01	

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

110 mph wind, 9.80 ft mean hgt., ASCE 7-98, 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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R=951 U=180 W=8"

R=803 U=180 H=Simpson HUS26
w/ (4) 16d, 0.162"x2.5" nails in Truss
w/ (14) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2X6 min. So.Pine

Scale = .3125" / Ft.

Design Crit: TPI-1995(STD)/FBC 7.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-003 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSSING PLATE INSTITUTE, 583 1/2 OGDEN DR., SUITE 200, MADISON, WI 53719) AND WICA (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 PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY ELECTION TO BUILD THE TPOSS IN CONFORMANCE WITH THE FOLLOWING SPECIFICATIONS SHALL BE AT THE RISK OF THE USER.

TPOSS SHALL BE MANUFACTURED BY THE FOLLOWING: ALLIANCE, BELL & HOWELL, BRIDGES, COLUMBIAN, DOW CORNING, HENKELS, KLEIN, LARSEN, MCMILLAN, PPG INDUSTRIES, SHERWIN WILLIAMS, TRUSSCO, WILSON JONES, YOUNG & RUBICAM AND ZEPHYRUS.

CONNECTOR PLATES ARE MADE OF 2019/16GA OR M16/P2 ASTM A653 UNDRIP 40/40 (F/H)51 GALV. STEEL. APPLY PLATES TO EACH FACE OF TPOSS AND, WHEN NECESSARY, LOCATED ON THIS DESIGN, POSITIONED PER DRAWINGS 360A-2.

IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER 4.3 OF TP-11-2002 SEC.2.

WARRANTY INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TPOSS 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.



C LL	20.0 PSF	REF R487 - -	40563
C DL	10.0 PSF	DATE	09/06/05
BC DL	10.0 PSF	DRW HCUSR487	05249006
BC LL	0.0 PSF	HC-ENG JB/AF	
TOT.LD.	40.0 PSF	SEQN -	27993
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF -	1SQ9487_Z01



ALPINE

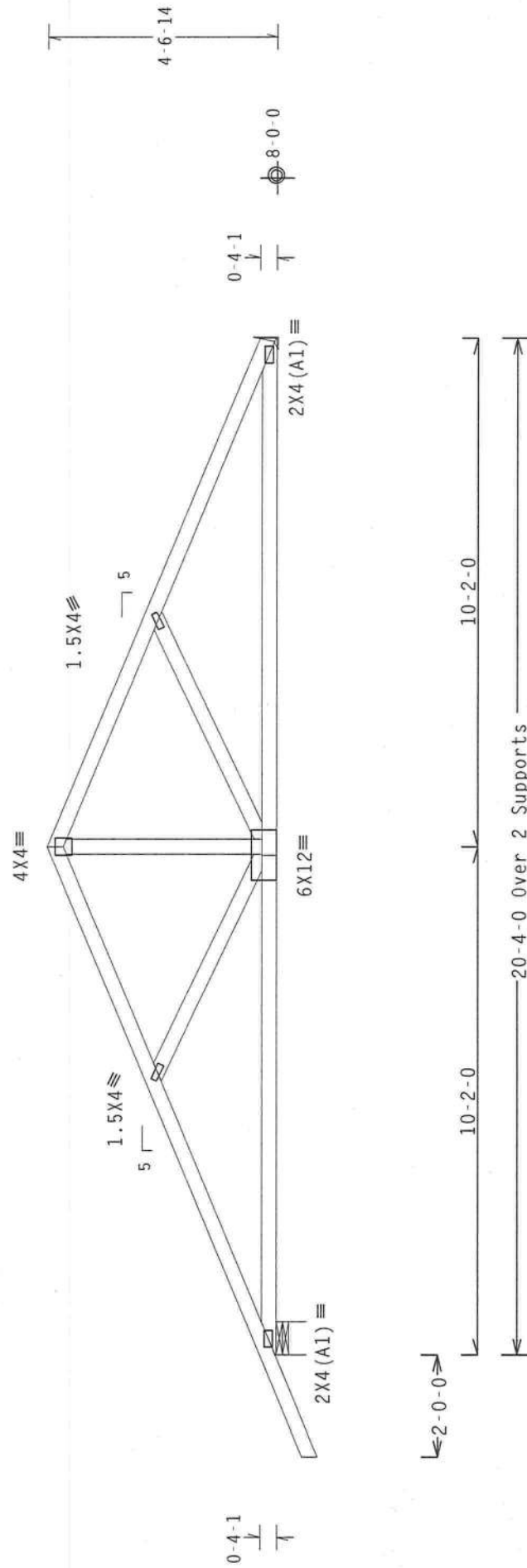
Alpine Engineered Products, Inc.

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

110 mph wind, 10.04 ft mean hgt., ASCE 7-98, 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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

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



R-803 U=180 H=Simpson HUS26
w/ (4) 16d, 0.162"x2.5" nails in Truss
w/ (14) 16d, 0.162"x2.5" nails in Girder
Girder is (1)2x6 min. So.Pine

Scale = .3125"/Ft.

Scale = .3125"/Ft.
REF R487 - - 40564

DATE	09/06/05
DRW	HCUSR487 05249009

HC-ENG JB/AF
SEON- 28012

FROM JP

JREF- 1S09487_Z01

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

.04

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. AFTER TO BEG-103 (BUILDING COMPONENTS INFORMATION), PUBLISHED BY THE CONSTRUCTION INDUSTRY RESEARCH CENTER, UNIVERSITY OF MICHIGAN, ANN ARBOR, MI 48106-0719, IS USED AS A GUIDE FOR PROPER FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING, FOLLOW THE MANUFACTURER'S INSTRUCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP PLATE.

*****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY OVIATION FROM THIS DESIGN: ANY FAILURE TO BUILD THE DESIGN CONFORMING WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. IN WEDGES AND TYPICAL CONNECTOR PLATES ARE MADE OF 20X18X1/8 ALUMINUM ASTM A653 GRADE 40/50 (IN 2 1/8") GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND HANGERS/USUALLY LOCATED ON THE CORNER, POSITION PER DRAWINGS 160A-2. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BEING SHOWN. THE SUBMITAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER A518/TP1 1 SEC. 2.



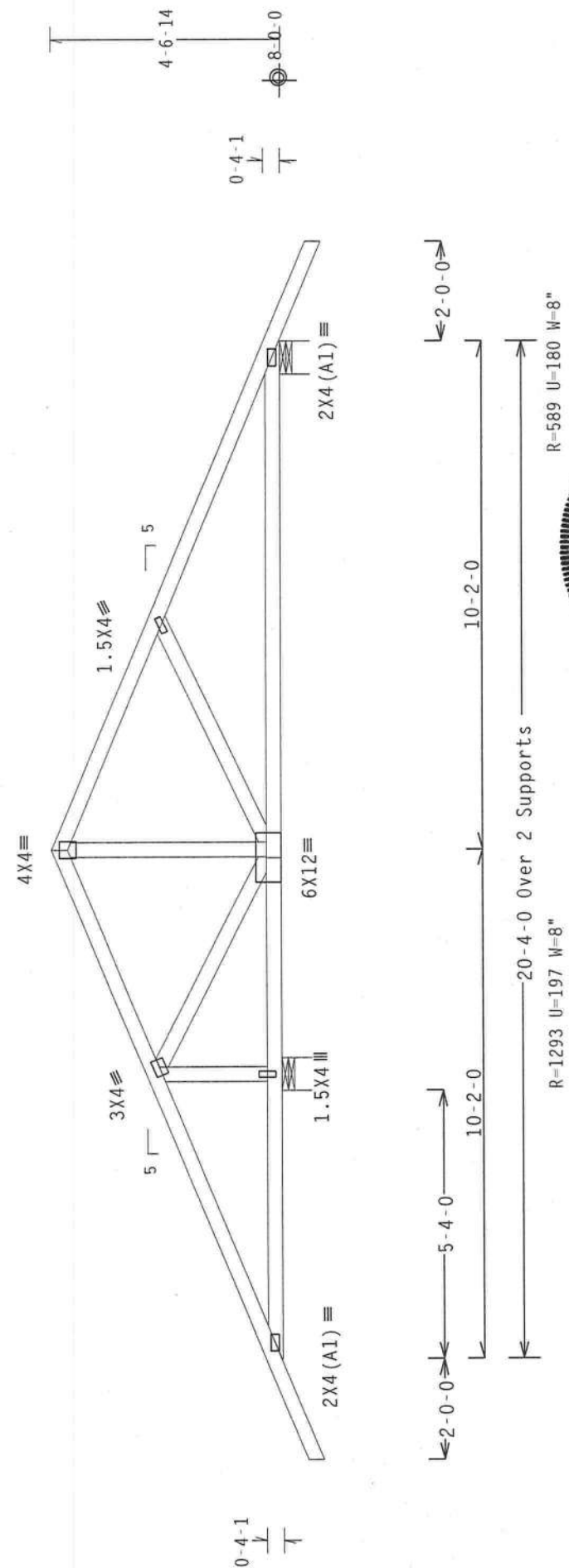
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

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

110 mph wind, 10.04 ft mean hgt, ASCE 7-98, 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

FL/-/3/-/R/-

Scale = .3125"/Ft.

REF	R487--	40565
DATE	09/06/05	
DRW	HCUSR487	05249008
HC-ENG	JB/AF	
SEQN	28025	
FROM	JP	
JREF	1S09487_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'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 THE DESIGN OR CONSTRUCTION OF THE TRUSS OR FOR THE FAILURE OF THE TRUSS. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE TRUSS. ANY FAILURE TO BUILD THE TRUSS TO THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER.

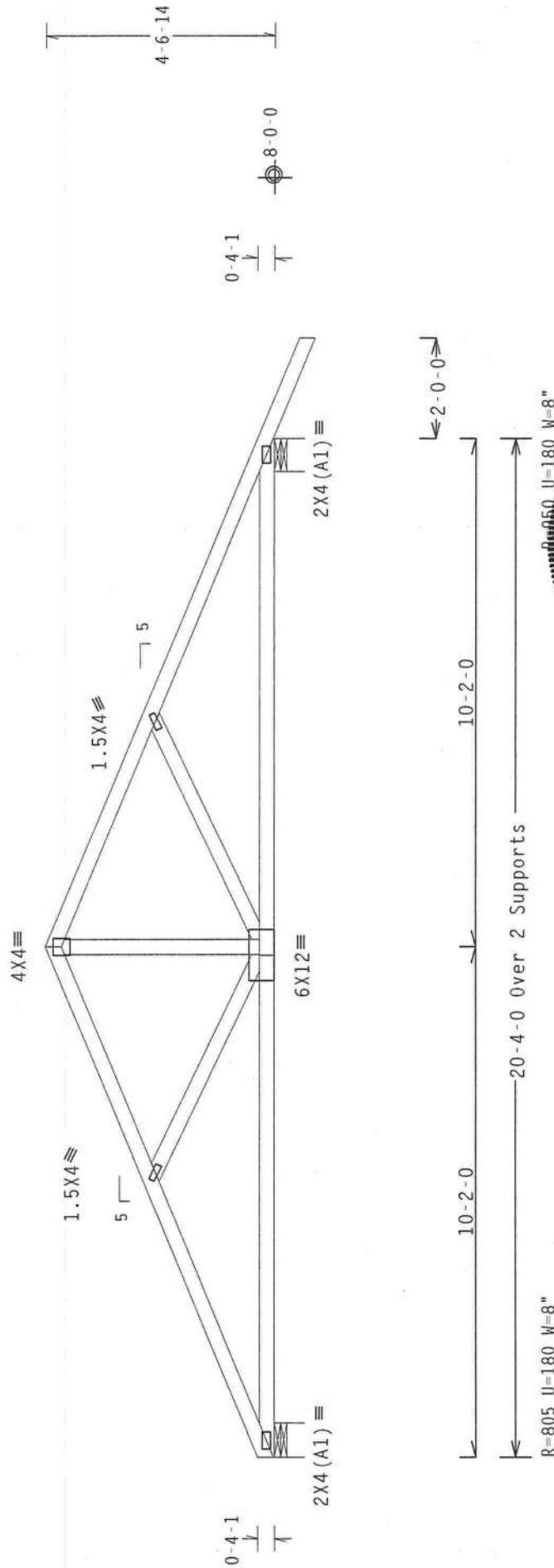
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A2 OF TPI-2002 SEC.3. A SEAL ON THIS DESIGN INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

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110 mph wind, 10.04 ft mean hgt., ASCE 7-98, 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.



Scale = .3125" / Ft.

REF R487-- 40567

URW HCUSR48/ 05249007

HC-ENG JB/AF

SEQN- 28041

FROM JP

JREF - 1S09487 701

100

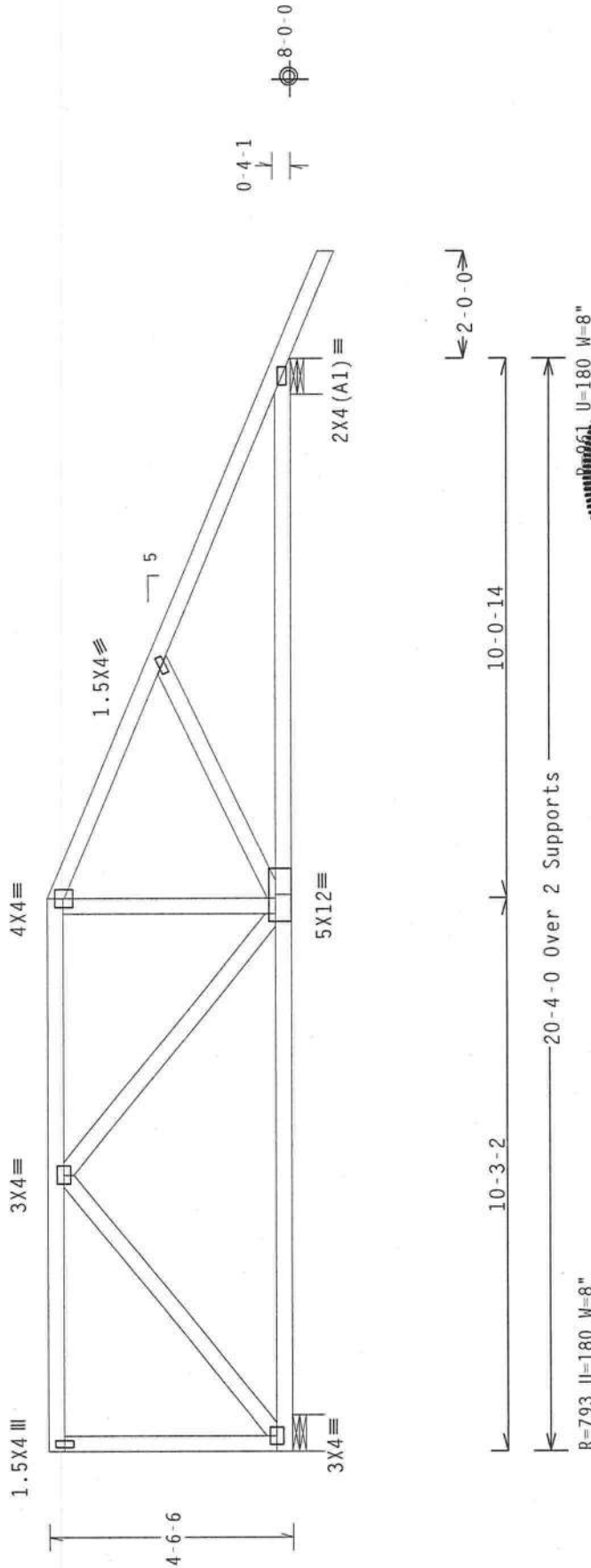
(5-374-MIKE 1000 - RICHER - U /)

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

110 mph wind, 10.02 ft mean hgt, ASCE 7-98, 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.

Left end vertical not exposed to wind pressure.

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

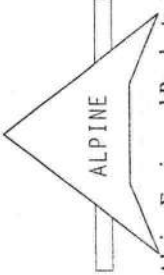


PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .3125"/Ft.

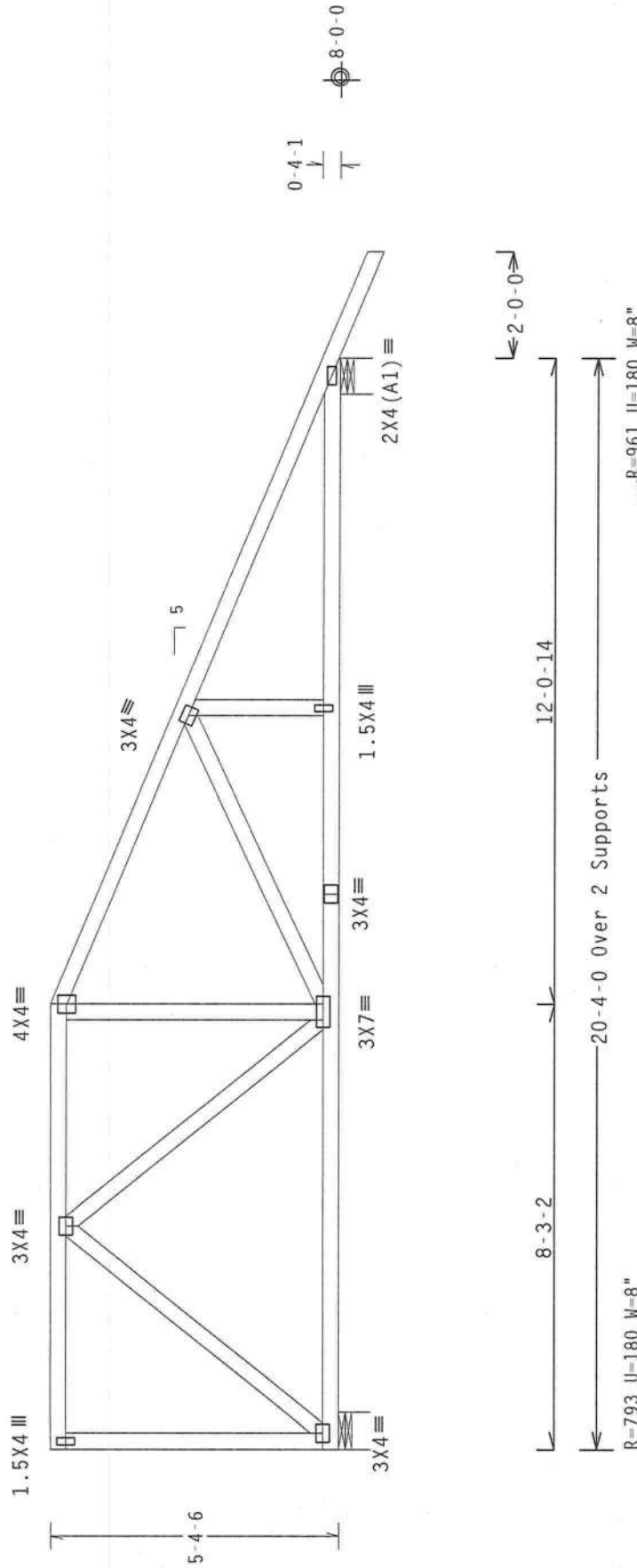
 ALPINE Alpine Engineered Products, Inc. 1950 Matley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC, BY AIA) AND TPI1. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER BRACING DETAIL 2. ANY INSPECTION OF PLATE INSTALLATION SHALL BE THE RESPONSIBILITY OF THE ENGINEER. THE SUIABILITY 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, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN.	
	R=793 U=180 W=8"		R=793 U=180 W=8"	
	10-3-2		10-0-14	
	20-4-0 Over 2 Supports		20-0-0	
	10-3-2		10-0-14	
PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FBC		Scale = .3125"/Ft.
7.04		FL / - / 3 / - / - / R / -		REF R487 -- 40568
20.0 PSF		C LL		DATE 09/06/05
10.0 PSF		C DL		DRW HCUSR487 05249013
10.0 PSF		C DL		HC-ENG JB/AF *
0.0 PSF		BC LL		SEQN- 28050
40.0 PSF		TOT.LD.		FROM JP
1.25		DUR.FAC.		JREF- 1S09487_Z01
24.0"		SPACING		

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

110 mph wind, 10.43 ft mean hgt., ASCE 7-98, 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.

Left end vertical not exposed to wind pressure.

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



PLT_TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FBC

7.04

$$\text{Scale} = 3125''/\text{Ft}$$

CC LL	20.0 PSF	REF R487-- 40569
CC DL	10.0 PSF	DATE 09/06/05
CC DL	10.0 PSF	DRW HCUSR487 05249014
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 28059
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1509487 701

*****WARNING***** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE 8651-103 (BUILDING COMPANION SAFETY INFORMATION), PUBLISHED BY THE CONCRETE RESEARCH AND DEVELOPMENT BOARD, 3801 UNIVERSITY DRIVE, MADISON, WI 53710. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, 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 DETAILATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS COMPONENTS WITH PROPER FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, CONNECTORS OR PLATES WILL BE PROHIBITED AND SHALL BE AT THE USER'S RISK. THE FOLLOWING TYPE OF CONNECTION PLATES ARE MADE ON 20X18/16GAL W/25K/ASIN A453 OR 70K/ASIN A453 ONLY.

PLATES TO EACH FACE OF TRUSS AND, WHEN OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A-2. AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER A95X 43 OF TP11-2002 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 A95X/TP1 1 SEC. 2.

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FL Certificate of Authorization # 567

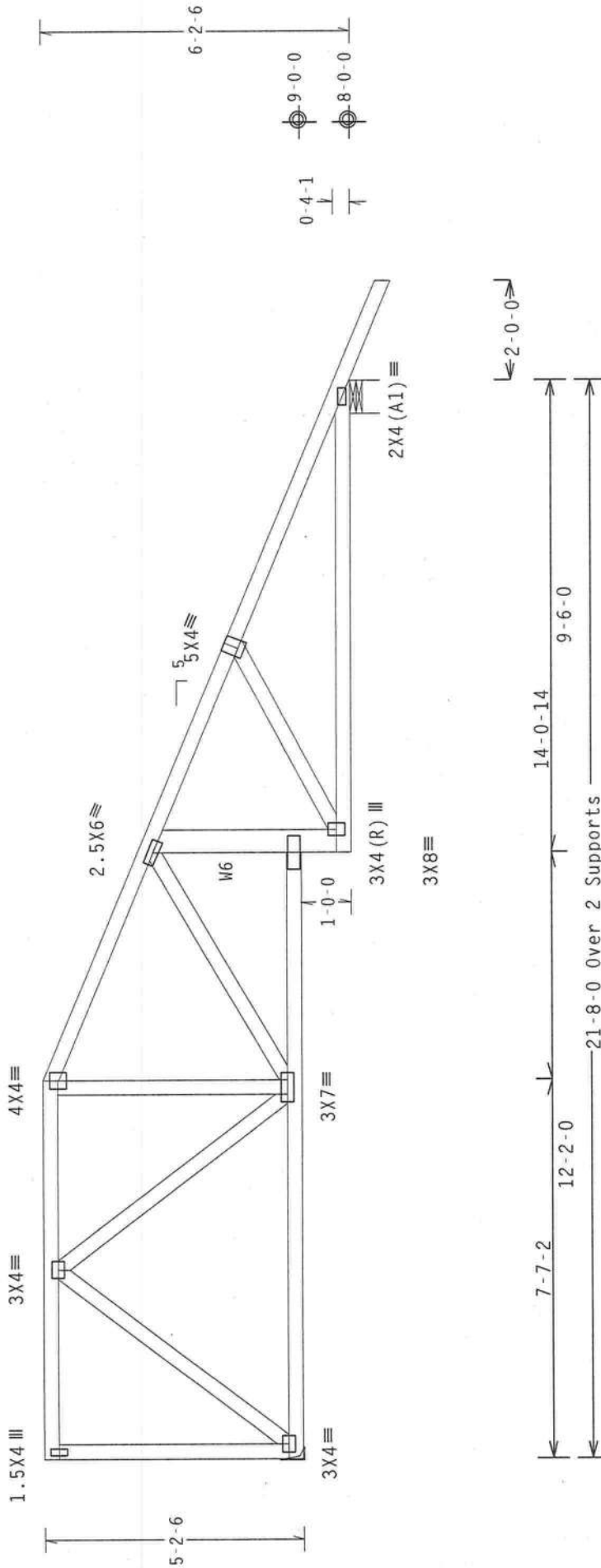
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W6 2x6 SP #1 Dense:

Left end vertical not exposed to wind pressure.

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

110 mph wind, 10.85 ft mean hgt, ASCE 7-98, 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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



R=847 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .3125" / Ft.

REF	R487--	40570
DATE	09/06/05	
DRW	HCUSR487	05249047
HC-ENG	JB/AF	
SEQN-	28073	
FROM	JP	
JREF-	1SQ9487_Z01	

****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 NICA (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 FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF BOIS (NATIONAL DESIGN SPEC. BY NDS) AND AIA (STEEL CONSTRUCTION MANUAL) AND/OR ANY OTHER APPLICABLE CODES. UNLESS OTHERWISE INDICATED, ALL TRUSSES SHALL BE BUILT TO MEET THE REQUIREMENTS OF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS 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

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



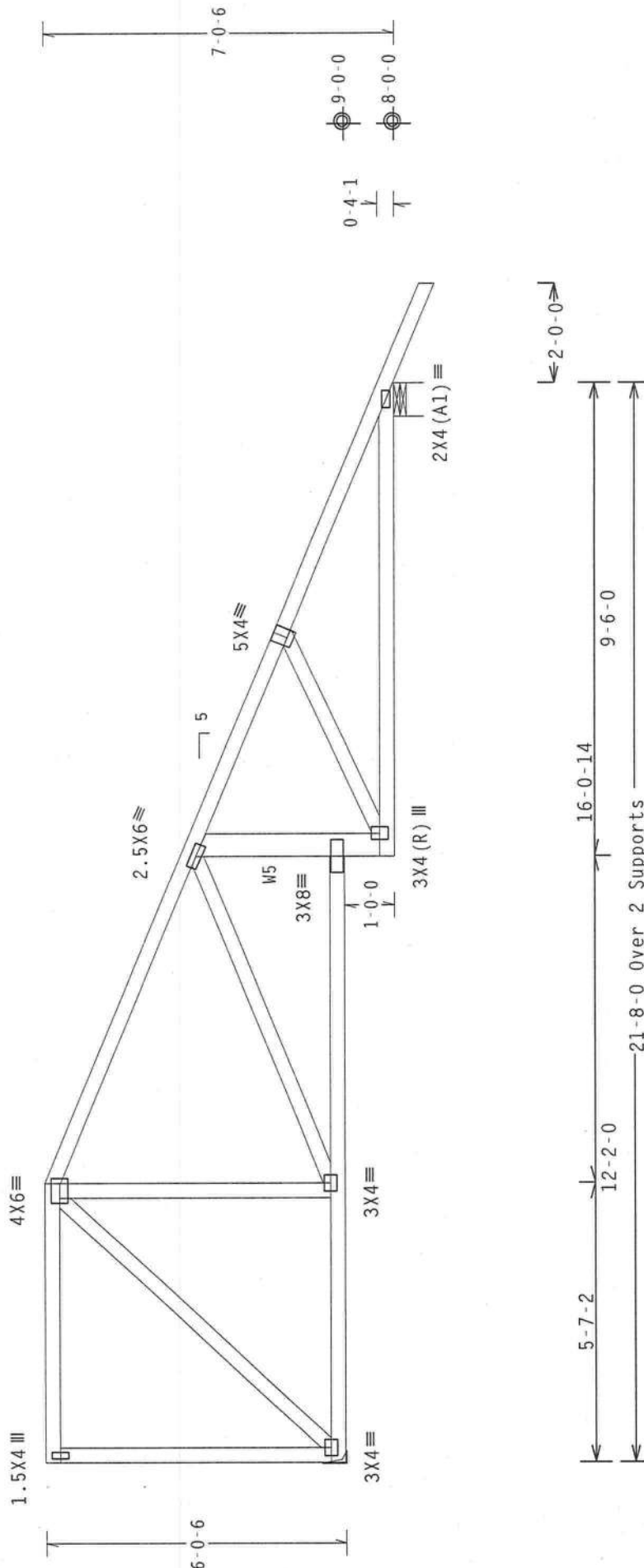
Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	:W5 2x4

1110 mph wind, 11.27 ft mean hgt, ASCE 7-98, 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.

Left end vertical not exposed to wind pressure.

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



R-847 U=180 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP.: Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .3125"/Ft.

****WARNING**** THROUSGHT EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. **WARNING** 1-03 BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 W. CONROE RD., SUITE 400, MADISON, WI 53719, AND NITA (WOOD TRUSS COUNCIL OF AMERICA, 6500 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 FIELD CEILING.

[illegible]

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1950 Marley Drive
Haines City, FL 33844

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REF	R487--	40571
DATE	09/06/05	
DRW	HCUSR487	05249051
HC-ENG	JB/AF	
SEQN-	28084	
FROM	JP	
JREF-	1S09487_Z01	

Top chord	2x4	SP	#2	Dense
Bot chord	2x4	SP	#2	Dense
Webbs	2x4	SP	#3	:W6 2

110 mph wind, 12.10 ft mean hgt, ASCE 7-98, 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.

Left end vertical not exposed to wind pressure.

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

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

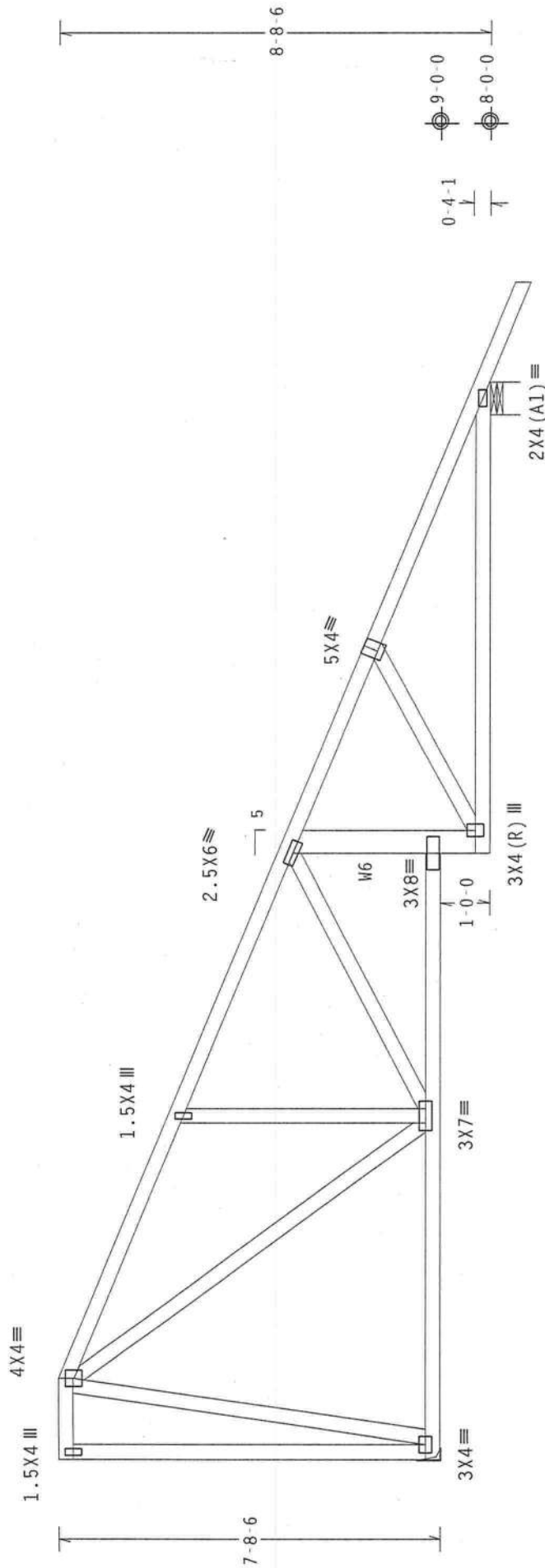


Diagram illustrating the dimensions of a rectangular area, likely a field or plot, with a total width of 20'0" and a total length of 14'0". The diagram is divided into three horizontal sections by two vertical lines. The top section is labeled 1-7-2. The middle section is labeled 12-2-0. The bottom section is labeled 21-8-0 Over 2 Supports. The total width is indicated as 20'0" and the total length as 14'0".

R=847 U=200 H=Simpson LUS26
w/ (4) 10d Common, 0.148"x3.0" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP.: Wave TPI

Design Crit: TPI-1995(STD)/FBC

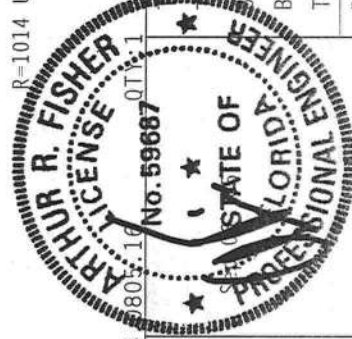
$$\text{Scale} = 3125''/\text{Foot}$$

****WARNING**** THUSSES PLOUPE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD.

[illegible]

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JREF- ISQ9487_Z01

Top chord 2x4 SP #2 Dense

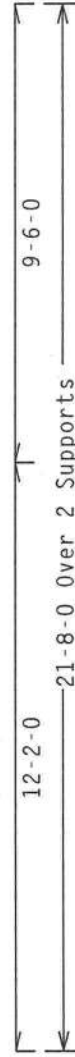
W6 2x4 SP #2 Dense:

		(LUMBER DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25)
TC	- From	60 PLF at 0.00 to 60 PLF at 21.67
BC	- From	332 PLF at 0.00 to 332 PLF at 6.00
BC	- From	20 PLF at 6.00 to 20 PLF at 8.00
BC	- From	514 PLF at 8.00 to 514 PLF at 21.67
BC	- 1616 LB Conc. Load at	7.12

Max JT VERT DEFL: LL: 0.20" DL: 0.20" recommended camber 3/8"

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

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



PIT	TYP	18 Gauge HS Wave	TPI	Design Crit:	TPI-1995(STD)/FBC

****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 TYPE OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR ERECTING THOSESS. DESIGN COMPLIES WITH ALL CODES AND STANDARDS GOVERNING SUCH STRUCTURES. ONLY STEEL PLATES TO EACH FACE OF JOISTS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER APPLICABLE 1600-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMB AT OF 1971-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BEARING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMB/PPL 1 SEC. 2.

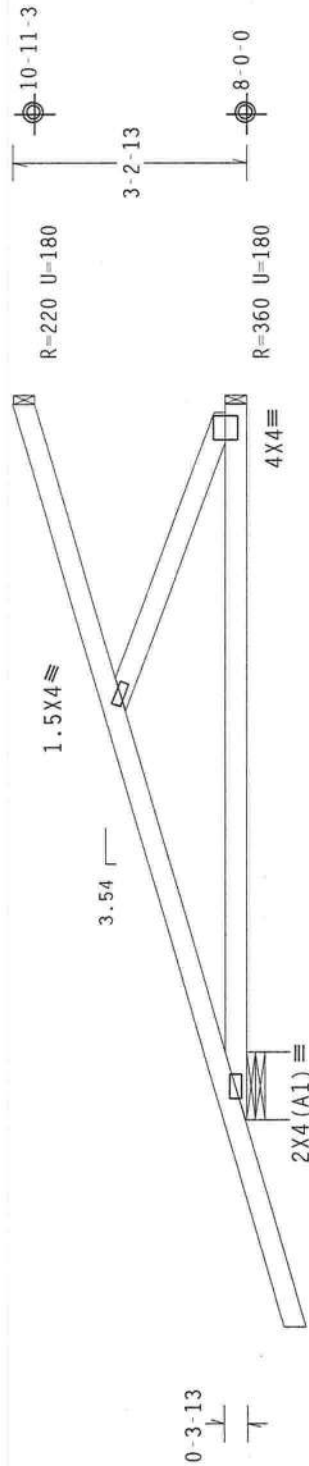
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C LL	20.0 PSF	REF R487--	40574
C DL	10.0 PSF	DATE	09/06/05
SC DL	10.0 PSF	DRW	HCUSR487 05249067
BC LL	0.0 PSF	HC-ENG	JB/AF
TOT.LD.	40.0 PSF	SEQN-	29265
DUR.FAC.	1.25	FROM	JP
SPACING	24.0"	JREF-	1S09487_Z01

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

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



2-9-15

9-10-13 Over 3 Supports

R=530 U=218 W=11.314"

Design Crit: TPI-1995(STD)/FBC

7.04.

9TY8

131-1-1R/-

Scale = .375"/Ft.



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[illegible]

****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 THE
TRUSS IN CONFORMANCE WITH TP12 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES,
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISI (NATIONAL DESIGN SPEC., BY AREA) AND THE
STEEL EDITIONS THEREOF. THE DESIGNER'S INTENT IS THAT ALL PLATES BE WELDED TO EACH FACE OF THE
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2.
ANY INSPECTION OF PLATES FOLLOWED BY (3) SHALL BE PER AREA A3 OF TP11-2009 AC3-3. A SEAL ON THIS
BRAMMING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE PURPOSES OF THE
BRAMMING, THIS SEAL MAY BE EITHER STAMPED OR PRINTED. THIS SEAL IS VALID FOR THE ENTIRE LIFE OF THE
BUILDING DESIGNED PER AREA A3 OF TP11-2009 AC3-3.



T	LL	20.0	PSF	REF	R487 --	40575
	DL	10.0	PSF	DATE	09/06/05	
	DL	10.0	PSF	DRW	HCUSR487	05249055
	BC LL	0.0	PSF	HC-ENG	JB/AF	
	TOT.LD.	40.0	PSF	SEQN-	9799	
	DUR.FAC.	1.25		FROM	JP	
	SPACING	24.0"		JREF-	1S09487_Z01	

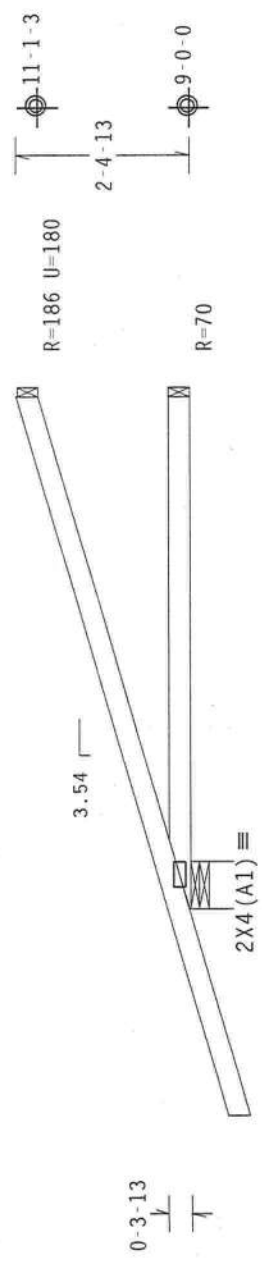
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Hipjack supports 5-0-0 setback jacks with no webs.

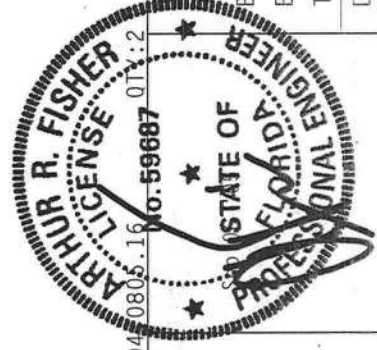
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide { 2 } 16d common nails(0.162"x3.5"), toe nailed at Bot chord.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.



2-9-15
7-0-14 Over 3 Supports
R=386 U=180 W=7.778"



PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04	0805.16	011.2	FL/-/3/-/R/-	Scale = .375"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, MI 48219, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48219) 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.						REF R487-- 40577
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 AISI (NATIONAL DESIGN SPEC. BY AISI) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (H/575) ASH 1653 GRADE 40/60 (H, E/H/5) GALV. STEEL. APPLICABLE PLATES TO EACH PANEL. UNLESS OTHERWISE INDICATED, TRUSSES SHALL BE PER AISI 1.1-2002 SEC. 2.3. FOR PER AISI 1.1-2002 SEC. 2.3. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.						DATE 09/06/05
						DRW HCUSR487 05249040
						HC-ENG JB/AF
						SEON- 9815
						FROM JP
						JREF- 1S09487_Z01

ALPINE

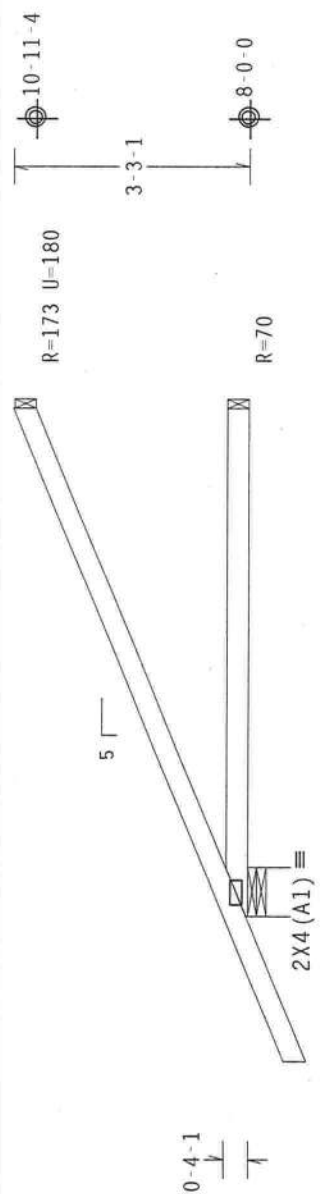
Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

1 2-3/4-MIN - RIGID - E-1

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.38 ft mean hgt, ASCE 7-98, 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.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



7-0-0 Over 3 Supports
R=445 U=180 W=8"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .375" / Ft.

ARTHUR R. FISHER
No. 59687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

REF	R487 --	40578
DATE	09/06/05	
DRW	HCUSR487	05249016
HC-ENG	JB/AF	
SEQN	27902	
FROM	JP	
JREF	1S09487_Z01	

ALPINE
Engineering Products, Inc.
1950 Marley 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, MI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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.

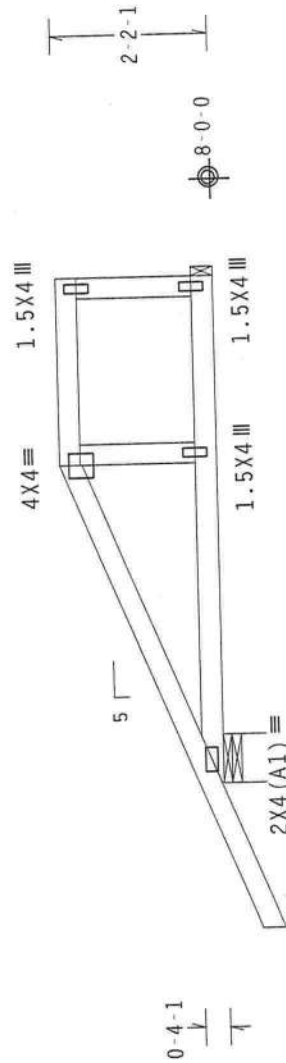
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE APPLIES PLATES TO EACH FACE OF TRUSS AND UNLESS INDICATED OTHERWISE, PER TPI-2002 SEC. 3.1.1. UNLESS OTHERWISE INDICATED, ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AME AS OF TPI-2002 SEC. 3.1.1. UNLESS OTHERWISE INDICATED, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSI/TPI 1 SEC. 2.

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

right and vertical not exposed to wind pressure.

Scale = .375"/Ft.

C LL	20.0 PSF	REF R487 - - 40580
C DL	10.0 PSF	DATE 09/06/05
BC DL	10.0 PSF	DRW HCUR487 05249028
BC LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN- 27950
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF- 1S09487_Z01



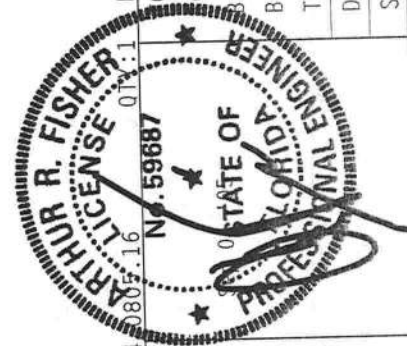
R=243 U=180

$\leftarrow 2-0-0 \rightarrow$
 $\leftarrow 4-4-14 \rightarrow$
 $\leftarrow 2-7-2 \rightarrow$
 $\leftarrow 7-0-0 \text{ Over 2 Supports} \rightarrow$
 $R=445 \quad W=180 \quad W=8"$

Decision Crit.: TPI-1995(STD)/FBC

PIT TYP. Wave TPI

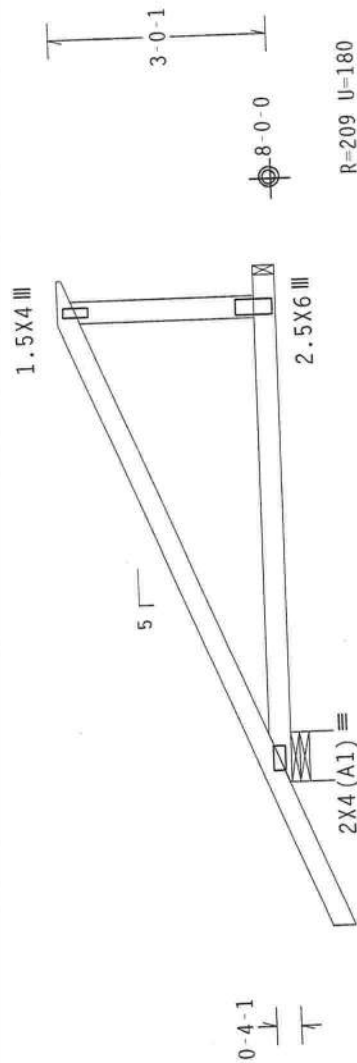
****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. SEE TO BECHT 1-103 (FOR COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 383 O'DONNELL DRIVE, WOOD, MASSACHUSETTS 01900, AND MITCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DRIVE, WASHINGTON, D.C. 20008) FOR SAFE TRUSS PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE SPECIFIED, TRUSSES SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED STRENGTHENING.

[illegible]

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

	SP	#2	Dense
top chord	2x4	SP	#2 Dense
bot chord	2x4	SP	#2 Dense
webs	2x4	SP	#3

110 mph wind, 9.25 ft mean hgt, ASCE 7-98, 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.



$\overbrace{\quad\quad\quad}^{2-0-0}$
 $\overbrace{\quad\quad\quad}^{7-0-0}$ Over 2 Supports
 $R=443 \quad U=180 \quad W=8"$

$$\text{Scale} = .375"/\text{Ft.}$$

OFF R487-- 40581

DATE 09/06/05

DATE 05/06/00

ORW HCUR48/ 0524902

HC-ENG JB/AF

SEQN- 27944

FROM JP

1509487 Z01

Coit.: TPI-1995 (STD)/FBC

Design Criteria 1. HANDLING, SHIPPING, INSTALLING AND BRACING. 583

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, REFERR TO BESS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TOP (TRUSS PLATE INSTITUTE, L.N., 4000 ENTERPRISE LN., MADISON, WI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 4300 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.

[illegible]

IPIT TYP Wave TPI

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
St. Louis, MO 63114

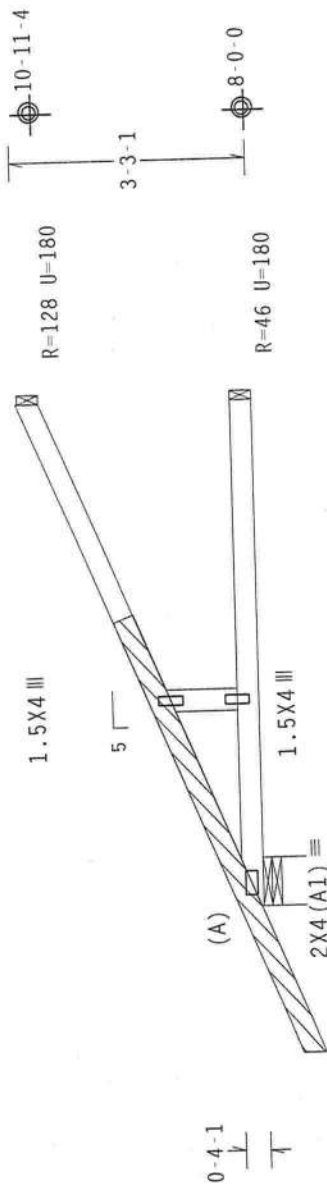
	Top	chord	2x4	SP	#2	Dense
	Bot	chord	2x4	SP	#2	Dense
		Webbs	2x4	SP	#3	

SPECIAL LOADS			DUR. FAC. = 1.25 / PLATE DUR. FAC. = 1.25		
----- (LUMBER)			60 PLF at -2.00 to	60 PLF at 7.00	
TC	- From		4 PLF at -2.00 to	4 PLF at 0.00	
BC	- From		20 PLF at 0.00 to	20 PLF at 7.00	
CC	- From		205 LB Conc. Load at -2.00		

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

(A) (1) 2x4x6-6-12 SP #2 Dense Top chord scab centered 1-0.5 from left end. Attach to one face of chord with (2) rows of 12d Box or Gun (0.128"x3.25", min.) nails @ 6" O.C., staggered 3".

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



$\overleftarrow{\hspace{1.5cm}} \text{2-0-0} \overrightarrow{\hspace{1.5cm}}$
 $\overleftarrow{\hspace{1.5cm}} \text{7-0-0 Over 3 Supports} \overrightarrow{\hspace{1.5cm}}$
 $R=720 \quad U=246 \quad W=8''$

$$\text{Scale} = .375"/\text{Ft.}$$

1211 1311-1-181-

...ENSE

Scale = .379 / 100.
DEF P487 -- 40583

DATE	09/06/05
------	----------

DRW HCUSR487 05249045

HC-FNG JB/AF

SEON- 28208

FROM JP

JREF- 1SQ9487_Z01

Decision Crit.: TPI-1995(STD)/FBC

DIT TYP Wave TPI

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC'S 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 PIERCE ST., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., DUNFORD 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 PROPERLY ATTACHED CEILING, 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 THE: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND ERECTING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF 905 NATIONAL DESIGN SPEC. (NDS) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/10GAL. (H/S/JO) ASTM A563 GRADE 40/60 (H. K/H/S) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-7. FOR AMPS AS OF TPI1-2002 SPEC. 3.

ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE THE SOLE RESPONSIBILITY FOR THE TRUSS COMPONENTS AND BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE RESPONSIBILITY OF THE DESIGN SHOWN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DEPARTMENT PER ABCS/TPI I SEC. 2.

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

(5-374-MIKE TODD - RICHER - MCG)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

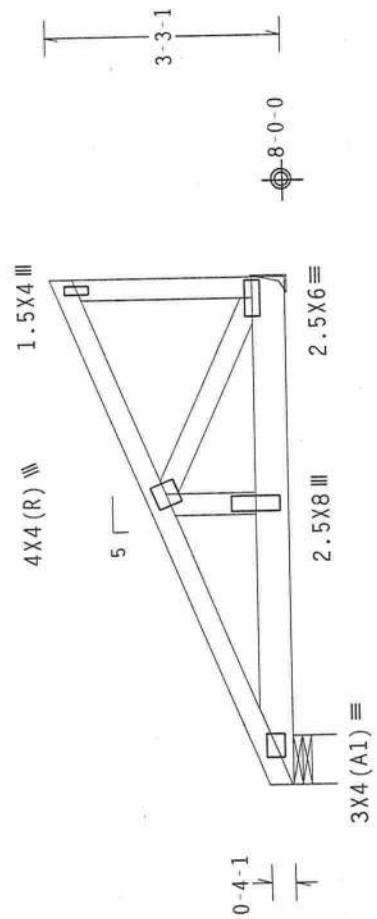
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

SPECIAL LOADS

-----LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 7.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.00
BC - 715 LB Conc. Load at 1.06, 3.06, 5.06

Right end vertical not exposed to wind pressure.

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



7-0-0 Over 2 Supports
R-1551 U-300 W-8

R=1154 U=233 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

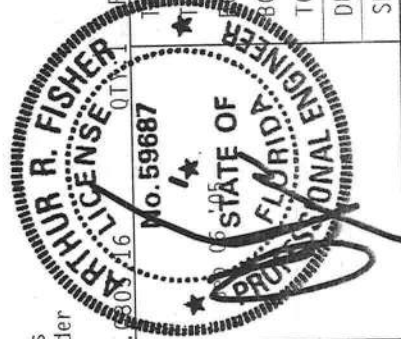
Design Crit: TPI-1995(STD)/FBC

PLT TYP. Wave TPI

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-07 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'UNTERIO DR., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES AND 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 TO THE DESIGN 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 AISI/TPI 1 SEC. 2.



Scale = .375"/Ft.

REF	R487 --	40584
DATE	09/06/05	
DRW	HCUR487	05249060
HC-ENG	JB/AF	
SEQN	29090	
FROM	JP	
JREF	1S09487_Z01	

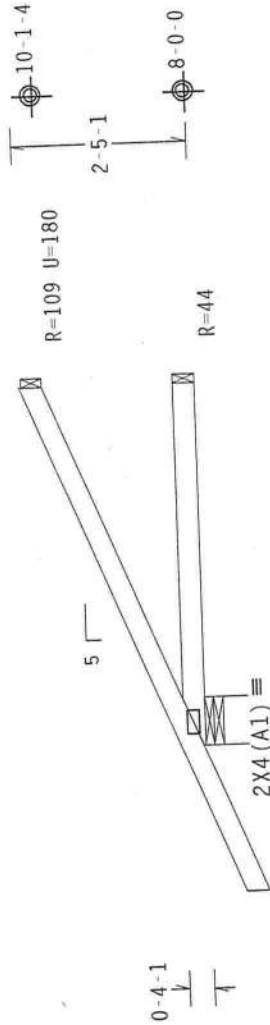
5-374-MIKE TODD - RICHER - J5)

op chord 2x4 Sp #2 Dense
not chord 2x4 Sp #2 Dense

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

110 mph wind, 8.96 ft mean hgt, ASCE 7-98, 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.

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

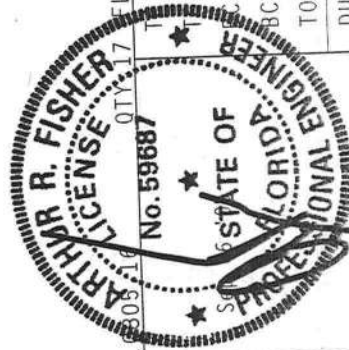


←-2-0-0→

←-5-0-0 Over 3 Supports→

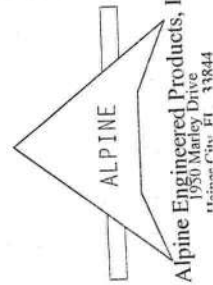
R-376 U=180 W=8"

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04.803.1.0	OTY 17	Scale = .375" / Ft.
			LL	20.0 PSF
			DL	10.0 PSF
			DL	10.0 PSF
			BC LL	0.0 PSF
			TOT.LD.	40.0 PSF
			DUR.FAC.	1.25
			SPACING	24.0"
			REF	R487 -- 40586
			DATE	09/06/05
			DRW	HCUSR487 05249002
			HC-ENG	JB/AF
			SEQN	27912
			FROM	JP
			JREF	1S09487_Z01



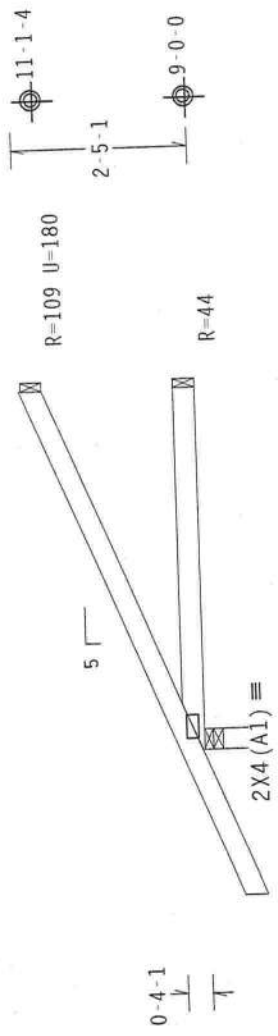
****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE AND NUT, 583 D'ONOFIO DR., SUITE 200, MADISON, WI 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 1000 W. 10TH AVE., SUITE 200, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS 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 DETAILING FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (2010) DESIGN SPEC. BY AIA/PA) AND TPI. APPLY CORRECTOR PLATES ARE MADE OF 2010/160A (4-1/2" x 1/2" x 1/2") LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. A SEAL SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSSES. THE SHOWN FRAMING INDICATES ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.



5-374-MIKE TODD - RICHER - EJ5)
 Top chord 2x4 SP #2 Dense
 Bot chord 2x4 SP #2 Dense
 Deflection meets L/360 live and L/240 total load.

110 mph wind, 9.96 ft mean hgt, ASCE 7-98, 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.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Top chord.
 Provide (2) 16d common nails(0.162"x3.5"), toe nailed at Bot chord.



←-2-0-0-→
 ←-5-0-0 Over 3 Supports →
 R=376 U=180 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04 9803.13

Scale = .375" / Ft.

REF R487 -- 40587

DATE 09/06/05

DRW HCUSR487 05249046

HC-ENG JB/AF

SEQN- 9808

FROM JP

JREF- 1SQ9487_Z01

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

20.0 PSF

10.0 PSF

10.0 PSF

0.0 PSF

40.0 PSF

1.25

24.0"

ARTHUR R. FISHER

ENGINEER

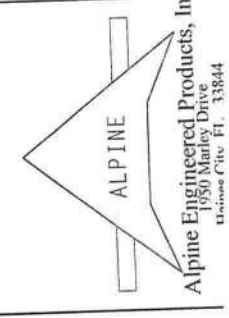
No. 59687

STATE OF FLORIDA

PROFESSIONAL ENGINEER

****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), 503 D'ORFORD DR., SUITE 100, MADISON, WI 53719, AND NCA (WOOD TRUSS COUNCIL OF AMERICA), 6000 WILSON BLVD., SUITE 100, WILSON, NC 27157, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS 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 DETAILING FROM THE DESIGN OR FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (2005) AND NDS (2012) (W, K/H/S) GALT. STEEL. APPLY CORRECTOR PLATES TO EACH FACE OF THUS AND, UNLESS SHOWN, SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL OR MARKING ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY'S DESIGN SHOWN. THE SIGNATURE OF THE PROFESSIONAL ENGINEER AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(5-374-MIKE TODD - RICHER - J5B)

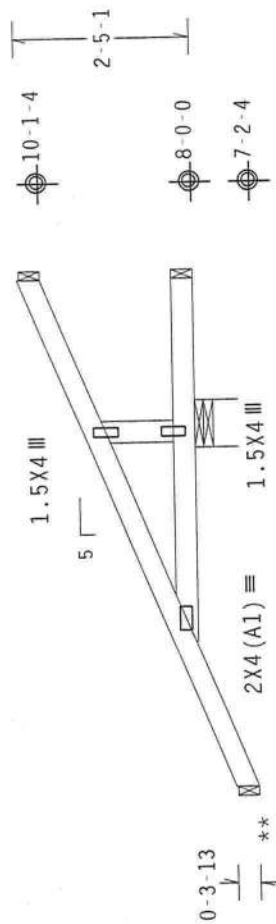
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

** PROVIDE CONNECTION FOR 180# UP OR DOWN AT FASCIA BEAM. FASCIA BEAMS AND THEIR CONNECTIONS TO BE DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 8.96 ft mean hgt, ASCE 7-98, 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.

R=20 U=180



R=159 U=180

← 2-0-0 →
← 7-0-0 Over 4 Supports →
R=458 U=180 W=8"

R=29 U=180

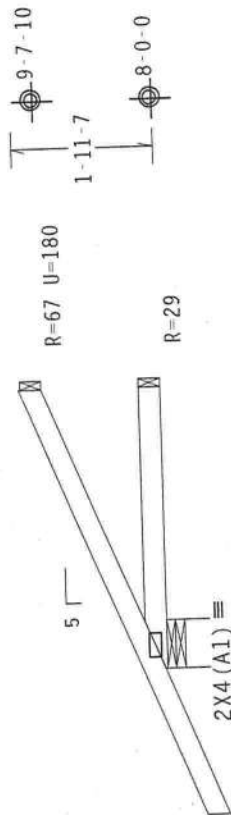
PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FBC	7.04	Scale = .375"/Ft.
ALPINE	ALPINE ENGINEERED PRODUCTS, INC. 1950 Marley Drive Bismarck, ND 58101	FL / - / 3 / - / - / R / -	REF R487 -- 40588
		LL	20.0 PSF
		DL	10.0 PSF
		BC DL	10.0 PSF
		TOT.LD.	40.0 PSF
		DUR.FAC.	1.25
		SPACING	24.0"
		DATE	09/06/05
		DRW	HCUSR487 05249043
		HC-ENG	JB/AF
		SEQN	28218
		FROM	JP
		JREF	1S09487_Z01

top	chord	2x4	SP	#2	Dense
bot	chord	2x4	SP	#2	Dense

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

1110 mph wind, 8.73 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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



→ 2-0-0 →

3-10-8 Over 3 Supports]

R=342 U=180 W=8"

$$\text{Scale} = .575 / 116.$$

REF R487-- 40589

DATE 09/06/05

DATE 05/06/00

ORW HCUSR487 05249039

10 700 10 700

HC-ENG JB/AT

SF0N- 9856

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FROM JP

TRFF- 1509487 Z01

PI T TYP Wave TPI

Decision Crit.: TPI-1995 (STD) / FBC

7

Design Crit: IPI-1995/SUB/7BC

****WARNING**** ISSUES REQUIRE EXTREME CARE IN INFORMATION, HANDLING, SHIPPING, INSTALLING AND BRACING.

PAPER TO BEC1-1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (TRUSS PANEL INSTITUTE, L83
DONOFRIE DR., SUITE 200, MADISON, WI 53719) FOR SAFETY 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
STRUTTED CEILING.

[illegible]

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

5-374-MIKE TODD - RICHER - J3B)

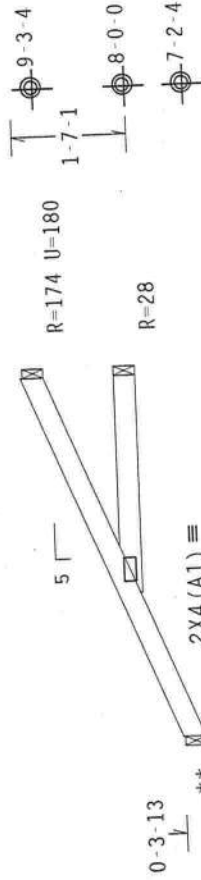
op chord 2x4 SP #2 Dense
of chord 2x4 SP #2 Dense

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

* PROVIDE CONNECTION FOR 180# UP OR DOWN AT FASCIA
BEAM. FASCIA BEAMS AND THEIR CONNECTIONS TO BE
DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 8.55 ft mean hgt, ASCE 7-98, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0
psf.

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



R=206 U=180

←-2-0-0-→

←-5-0-0 Over 3 Supports →

PLT TYP. Wave TPI



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING CODES, MI 53719) AND WICA (WOOD TRUSS COUNCIL OF AMERICA) 2000 ENTERPRISE LN., MADISON, WI 53719 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORDS 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 THE DESIGN. ANY FAILURE TO BUILD THE PRODUCT IN ACCORDANCE WITH TPI1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (2018/16GA (4-11/5/18) WITH 4053 GRADE 40/60 (4, K/H/S) GALT. STEEL. APPLY CONNECTOR PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED, SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEPARATE COMPONENT SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. ANY INSPECTION OF PLATES FOLLOWED BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN 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.

Design Crit: TPI-1995(STD)/FBC

7.04

80316

01111

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

Scale =.375"/Ft.

REF R487-- 40591

DATE 09/06/05

DRW HCUSR487 05249012

HC-ENG JB/AF

SEQN- 28145

FROM JP

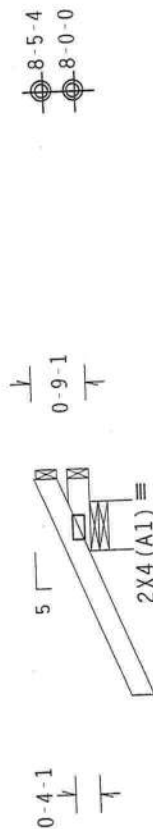
JREF- 1SQ9487_Z01



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

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

* PROVIDE CONNECTION FOR 191# UP OR DOWN AT A 1.25 DURATION FACTOR.

$$R = -191 \quad U =$$

$$R = -19 \quad U = 180$$

2-0-0 over 3 Supports

R=418 U=201 W=8"

Decision Crit.: TPI-1995(STD)/FBC

DIT TYP Wave TPI

Design Crit: TPI-1995(STD)/FBC 7.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IP1 (TRUSS PLATE INSTITUTE, 583 D'ARNOFF 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 TOP CHORD STRING.

[illegible]

Alpine Engineered Products
1950 Marley Drive
Haines City, FL 33844

1950 Marney Drive
Haines City, FL 33844

$$\text{Scale} = .375"/\text{Ft.}$$

OFF P487-- 40592

DATE 09/06/05

JRW HCUSR487 05249032

HC-FNG JB/AF

SF0N- 27928

FROM JP

JREF- 1S09487_Z01

(5-374-MIKE TODD - RICHER - J1B)

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

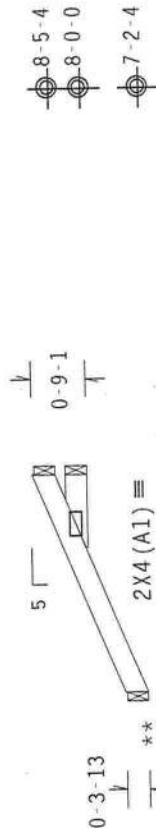
Deflection meets L/360 live and L/240 total load.

** PROVIDE CONNECTION FOR 180# UP OR DOWN AT FASCIA BEAM. FASCIA BEAMS AND THEIR CONNECTIONS TO BE DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 8.13 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

R=94 U=180



R=96 U=180

R=2 U=180

3-0-0 Over 3 Supports

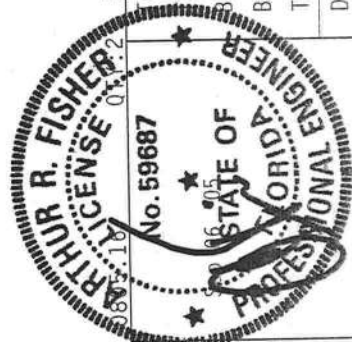
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

Scale = .375"/Ft.

REF	R487 --	40593
DATE	09/06/05	
DRW	HCUSR487	05249044
HC-ENG	JB/AF	
SEQN	28136	
FROM	JP	
JREF	1S09487_Z01	



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, 503 D'ORFORD DR., SUITE 200, MADISON, WI 53719), AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 530 N. DEARBORN AVE., SUITE 1000, CHICAGO, IL 60610) FOR SAFETY PRACTICES PRIOR TO AND DURING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

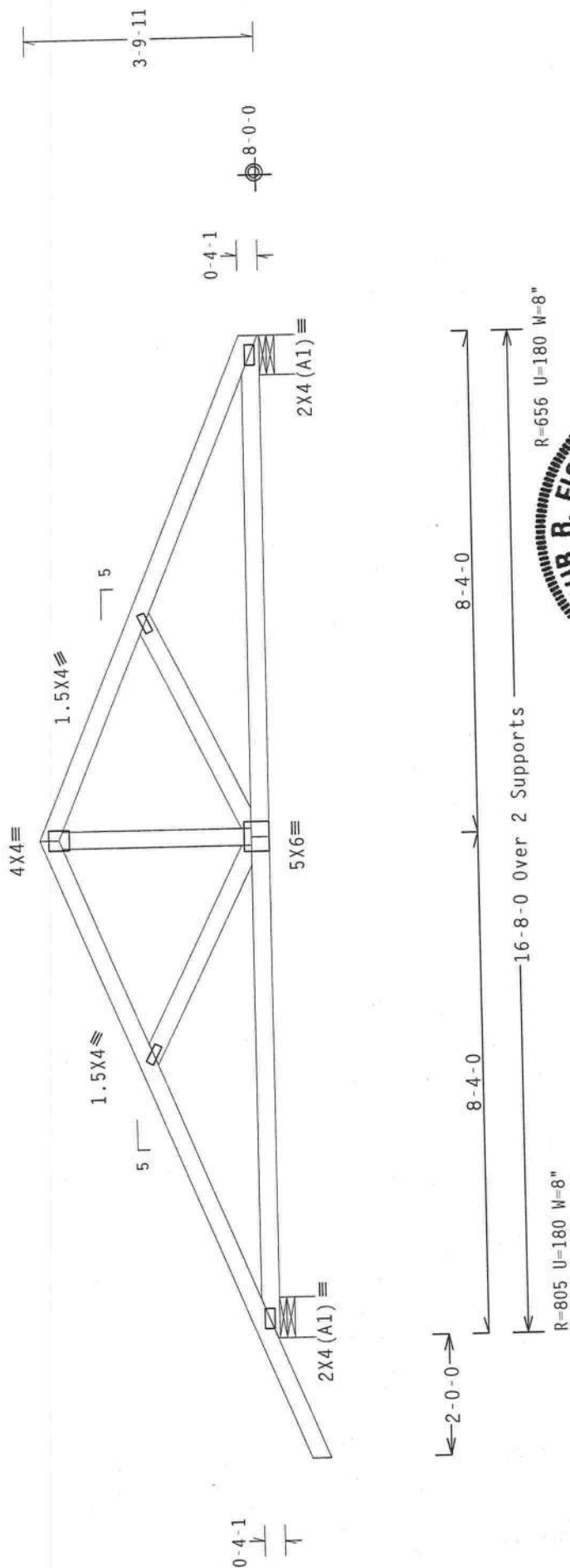
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, OR CONFORMING WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC), OR AISC (STEEL CONSTRUCTION MANUAL), OR ANY OTHER CODE, SHALL BE THE RESPONSIBILITY OF THE INSTALLER. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER INDICATED. ANY INSPECTION OF PLATES FOLLOWED BY IT SHALL BE PER ANNEX A3 OF TPI-2002. SEAL OR THIS 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 Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

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

110 mph wind, 9.66 ft mean hgt, ASCE 7-98, 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.



Scale = .375"/Ft.
REF R487 - - 40595
DATE 09/06/05
PRJ HCUR487 0524901
HC-ENG JB/AF
SECON 9841
FROM JP
REF- 1S09487_Z01

ELL-3/-/-/R/-	
LL	20.0 PSF
DL	10.0 PSF
CL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

805-16 No. 59887
STATE OF FLORIDA
PROFESSIONAL ENGINEER

7.04.

ENGINE AND BRACING.
THE INSTITUTE, 583
10000 ENTERPRISE LN.,
REDHIDE INDICATED
PROPERLY ATTACHED

ALPHE ENGINEERED
THE BUILDING TO
BRACING OF TRUSSES,
ALPHE
STEEL. APPLY
BR DRAPINGS 160A-Z.
A SEAL ON THIS
E TRUSS COMPONENT
THE RESPONSIBILITY OF THE

95 (STD) /FBC

Crit: TPI-190 IN FABRICATION, HANDLING INFORMATION, PUBLISHED BY TPI, INC., 10001 RUSSELL AVE., NORTH RIVER, N.J. 07073. ASTM A953 GRADE 304L STAINLESS STEEL. THIS COMPONENT FOR A

DESIGN (C) 1997

****WARNING** TRUSSESS**
REFER TO BC51 1-03, SUIT
D'ONOFRI DR., SUITE
MADISON, WI 53719)
TOP CHORD SHALL HAVE
RIGID CEILING.

****IMPORTANT**** TRUSSES IN CONFORMANCE WITH DESIGN CONFORMS WITH CONNECTOR PLATES AT PLATES TO EACH FACE OF ANY INSPECTION OF DRAWING INDICATES DESIGN, SUGGEST

Wave TPI

PLT TYP.  Alpine Eng

	Top	chord	2x4	SP	#2	Dense
Bot	chord	2x8	SP	SS		
		webs	2x4	SP	#3	

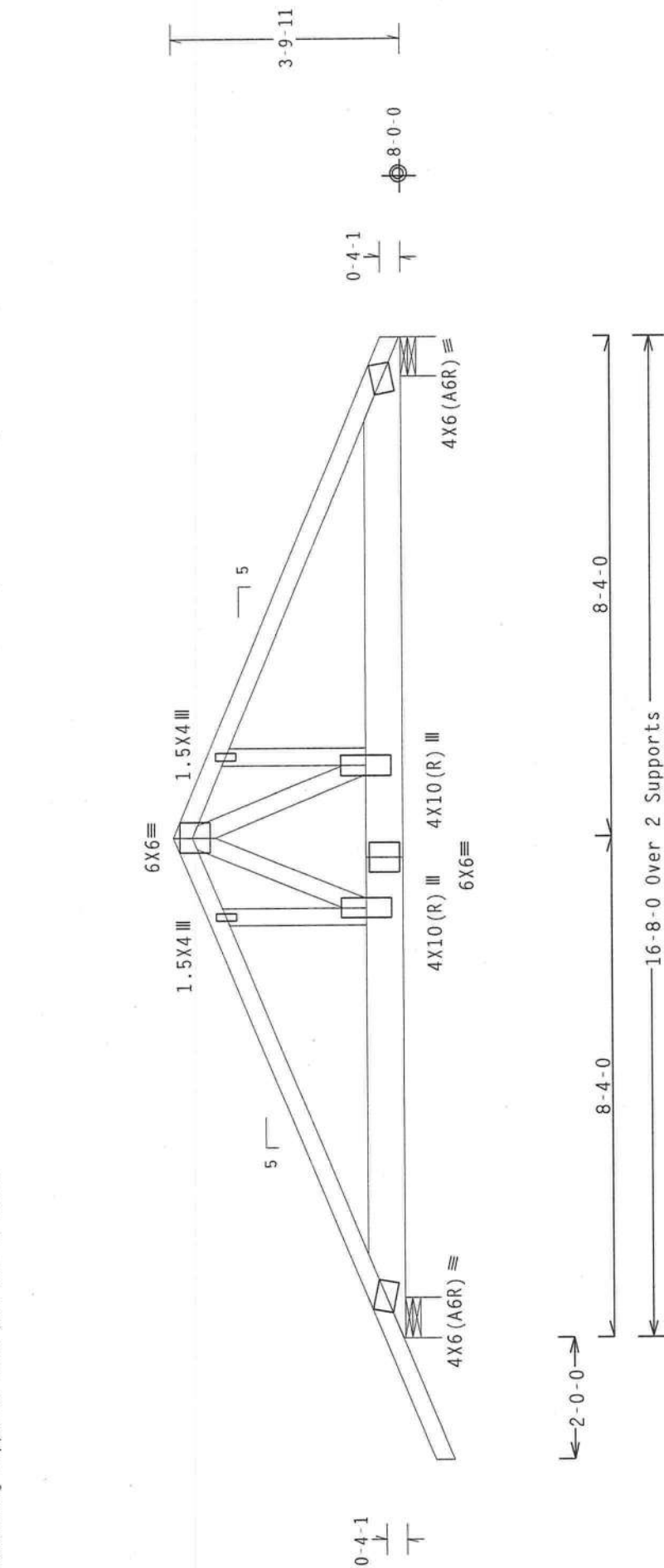
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d Box or Gun_0.128"x3.25",_min.)_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 1 Row @ 3.00" o.c.
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails
 in each row to avoid splitting

110 mph wind, 9.66 ft mean hgt., ASCE 7-98, 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.

Roof overhang supports 2.00 psf soffit load.



R=3802 II=1179 W=8"

R=5895 U=1828 W=8"

PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

Scale = .375"/Ft.

TOT LL	20.0 PSF	REF R487 - 40596
DL	10.0 PSF	DATE 09/06/05
DL	10.0 PSF	DRW HCUR487 05249010
LL	0.0 PSF	HC-ENG JB/AF
TOT.LD.	40.0 PSF	SEQN - 28503
DUR.FAC.	1.25	FROM JP
SPACING	24.0"	JREF - 1S09487_Z01

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BESS-1-103 (FOR DESIGN INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 MADISON AVE., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN., MADISON, WI 53719) FOR SPECIFIC MANUFACTURING AND ERECTING 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 DETAILING FROM THIS DESIGN.

TRUSSES IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF THUSSE.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY AF&PA) AND TPI. ALPHINE
CONNECTOR PLATES ARE MADE OF 2X18x16GA (W/M/S/V) ASTM A653 GRADE 40/60 (H, K/J-H-S). STEEL. APPLY
PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. SEAL ON THIS
ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBX 43 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 AISI/TPI 3 SEC. 2.



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

	op	chord	2x4	SP	#2	Dense
bot	chord	chord	2x4	SP	#2	Dense
		webs	2x4	SP	#3	Dense

hip supports 5-0-0 jacks with no webs.

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Left side jacks have 5-0-0 setback with 0-0-0 cant and 2-0-0 overhang.
End jacks have 5-0-0 setback with 0-0-0 cant and 2-0-0 overhang. Right side jacks have 5-0-0 setback with 0-0-0 cant and 2-0-0 overhang.

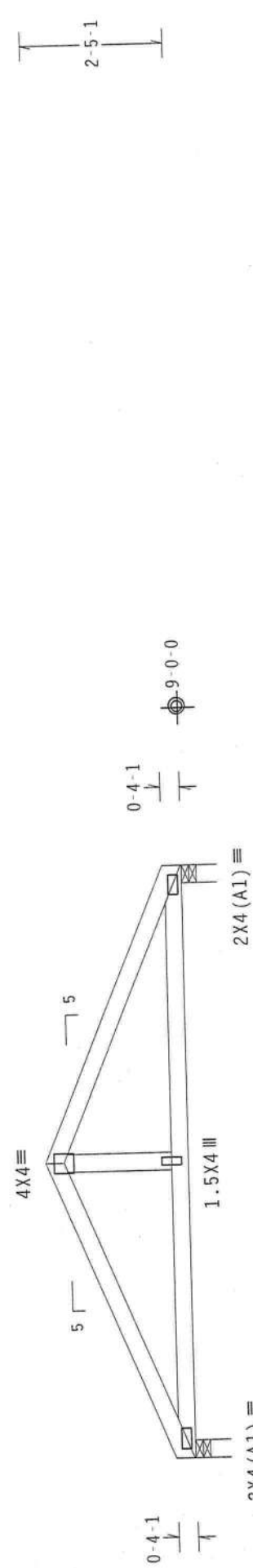


Diagram of a beam with dimensions and support locations:

- Left span: 5-0-0
- Right span: 5-0-0
- Over supports: 10-0-0
- Support locations: R=584 U=189 W=3.5"

[illegible]

Top chord 2x4 SP #2 Dense

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

bol clora 2x0 3F #2
Wchs 2x4 SP #3

WEDS 4X4 3R #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

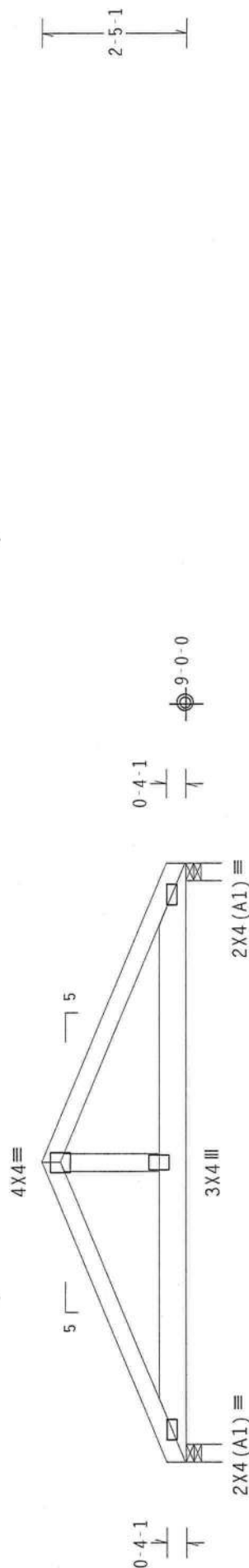
SPECIAL LOADS

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

TC - From 60 PIF at 0.00 to 60 PIF at 10.00
(LONDON DUK.FAC: 1.25 / FLATL DUK.FAC: 1.25)

BC	From	20 PLE at	0.00 to	20 PLE at	10.00
10	From	20 PLE at	0.00 to	20 PLE at	10.00

BC	188 LB Conc. Load at	1.23,	3.23,	5.23,	7.23,	9.23
BC -	188 LB Conc. Load at	1.23,	3.23,	5.23,	7.23,	9.23



5'-0" 5'-0" 5'-0"

10'-0" Over 2 Supports

R=846 U=209 W=3.5"
R=892 U=216 W=3.5"

PLT TYP. Wave TPI

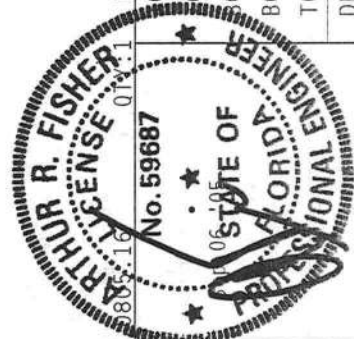
Design Crit: TPI-1995 (STD)/FBC

7.04

Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE ERECTION, HANDING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURER, IS TO BE READ AND UNDERSTOOD BY ALL PERSONS INVOLVED IN THE ERECTION OF THIS TRUSS. THE TRUSS MANUFACTURER'S NAME, ADDRESS AND PHONE NUMBER ARE: 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: *UNLESS A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR, ALPINE ENGINEERED TRUSSES, 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 & REPAIRING OF TRUSSES, DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., FOR STEEL) AND THE AISC PLATES TO EACH FACE OF THUSSES AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION THE DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER-AMT-4 OF TPI-2002 SEC.3. A SEAL ON THIS COMPANING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT AND NOT FOR THE ENTIRE BUILDING. A SEAL OF THIS COMPANY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER-AMT-11 SEC.2.



C LL	20.0 PSF
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10.0 pSf

DL	10.0	DL	10.0
DL	10.0	DL	10.0

10.0 PSF

0.0 PSF

OT.LD. 40.0 PSF

UR.FAC. 1.25

PACING 24.0"

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

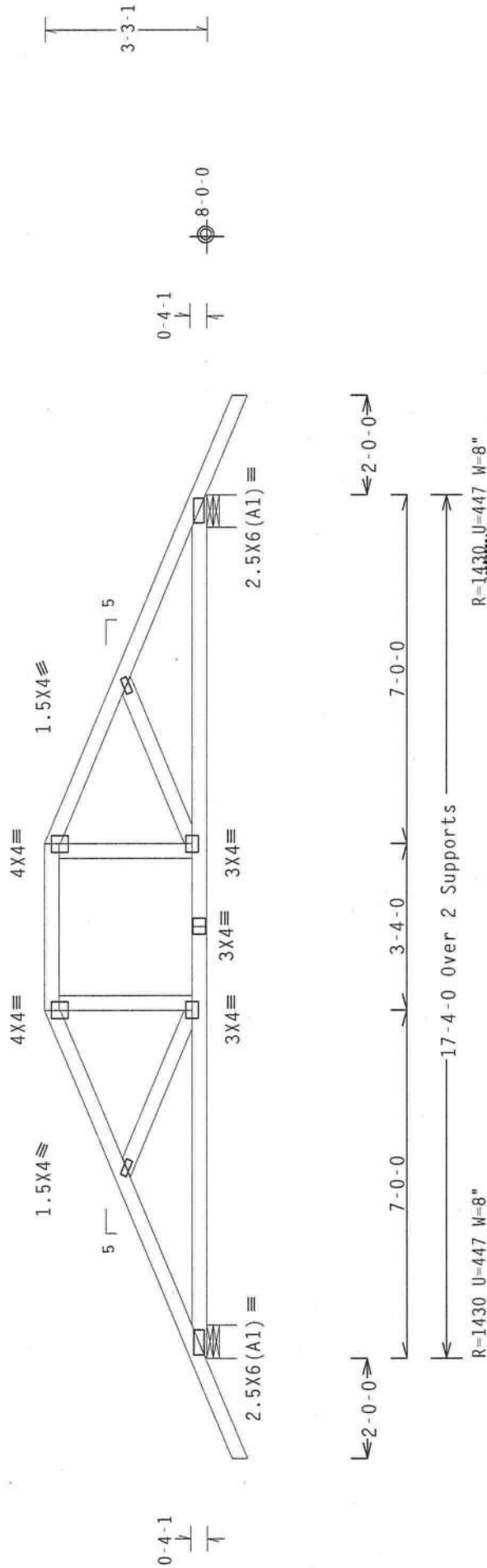
FL Certificate of Authorization # 567

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

110 mph wind, 15.00 ft mean ht., ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

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



R=1430 U=447 W=8"

R=1430 U=447 W=8"

-17-4-0 Over 2 Supports

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7

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

Scale = .3125"/Ft.

C LL	20.0 PSF	REF	R487 - -	40599
C DL	10.0 PSF	DATE	09/06/05	
C CL	10.0 PSF	DRW	HCUSR487	05249048
BC LL	0.0 PSF	HC-ENG	JB/AF	
TOT.LD.	40.0 PSF	SEQN -	27972	
DUR.FAC.	1.25	FROM	JP	
SPACING	24.0"	JREF -	1509487_Z01	

WARNING: THESE REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND REACTING. REFER TO BEST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPJ (TRUSS PLATE INSTITUTE), 583 O'NEVER DR., SUITE 200, MADISON, WI 53719, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6500 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 TIGHT CEILING.

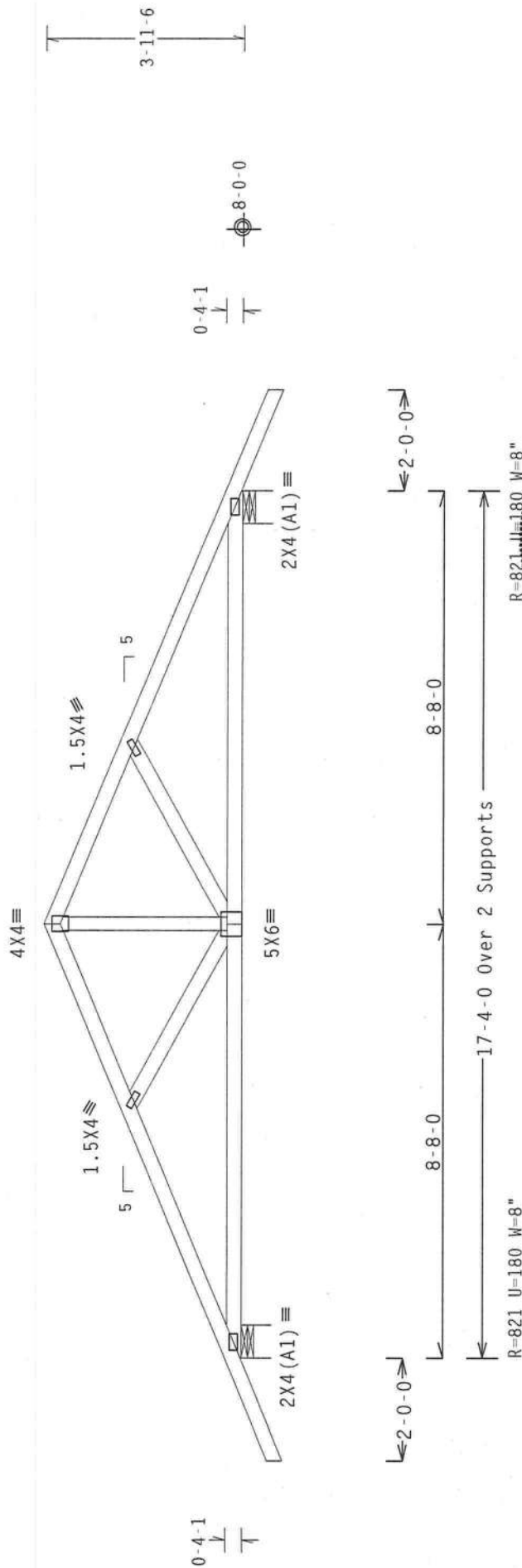
**** ILLUSTRATION **** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY REVISION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR BRACING OF TRUSSES, SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. PROVIDING THE FOLLOWING INFORMATION TO THE INSTALLATION CONTRACTOR PLATES THAT HAVE BEEN MADE OF 100% MINIMUM YIELD STRENGTH 40930 IN. 61655 GALV. STEEL APPLIED 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 AREA 43 OF TP1-1-2009, SECTION 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THE BUILDING. THE BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR THE BUILDING OF THE BUILDING IN ACCORDANCE WITH THE BUILDING DESIGNER PER AREA/TP1-1, SEC. 2.

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

FL Certificate of Authorization # 567

110 mph wind, 9.73 ft mean hgt., ASCE 7-98, 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.



PLT TYP.: Wave TPI

Design Crit: TPI-1995 (STD) / FBC

Scale = .3125"/Ft.

RFF R487 -- 40600

DATE 09/06/05

06/09/2017

UIC-ENC 10/14/

IC-ENG JB/AF
SEAN 07001

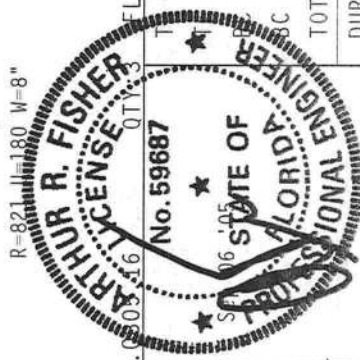
18617 - NO 38

- ROM JP

REF- 1S09487_Z01

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL BESS' TRUSS INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 563 WEST BESS' TRAIL, RICHMOND, INDIANA 47374, OR BESS' TRUSS COMPANY, 10001 W. MADISON, IN 47307, FOR SAFE TRUSSER'S PRIOR TO PERFORMING THESE FUNCTIONS. ALL TRUSSES SHIP WITH A PROPERLY ATTACHED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED LEGGED CEILING.

IMPORTANT-FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS & ASSOCIATES, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN COMPLIANCE WITH THIS DESIGN, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & RAPACING TO TRUSSES, OR ANY OTHER FAILURE, SHALL BE THE SOLE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE CONNECTION PLATES ARE MADE OF 20010/16GA 100/MSRS ASTM A503 GR50 40/60 (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 AMERICAN OF 1911, 2002 SEC.3. A SEAL ON THIS DESIGN SHOWING THE QUALITY OF THE COMPONENTS FOR THE TRUSS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AMERICAN OF 1911, 2002 SEC.3.



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FL Certificate of Authorization # 567

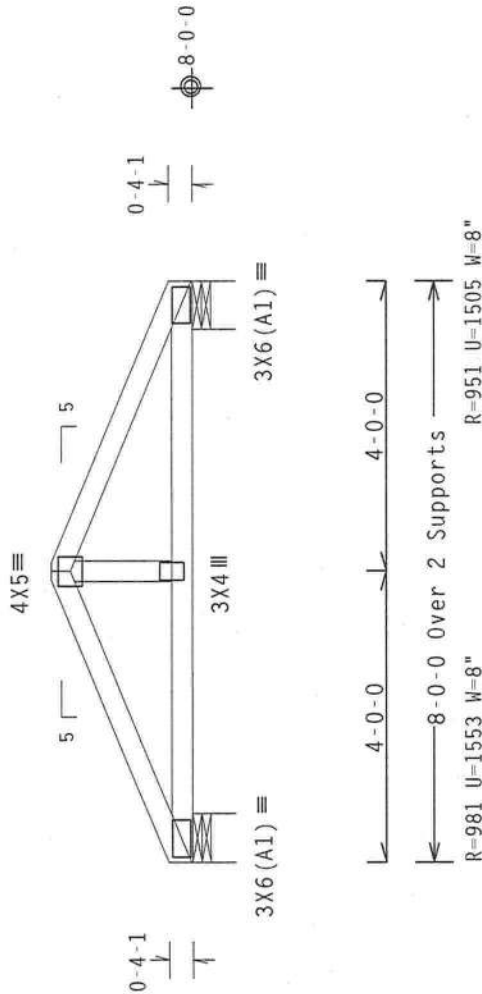
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

SPECIAL LOADS

----- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 8.00
BC - From 20 PLF at 0.00 to 20 PLF at 8.00
TC = 161 LB Conc. Load at 3.88, 4.13
BC = 280 LB Conc. Load at 2.40, 3.60, 5.60
BC = 65 LB Conc. Load at 3.88, 4.13



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FBC

7.04

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

Scale = .375" / Ft.

****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'ONOFRI 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 TO THE DESIGN 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.



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



805.16

No. 59687

STATE OF FLORIDA

PROFESSIONAL ENGINEER

05-05

09/06/05

DATE

REF R487 - 40602

Scale = .375" / Ft.

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

20.0 PSF

10.0 PSF

10.0 PSF

0.0 PSF

40.0 PSF

1.25

24.0"

FROM JP

SEQN - 27965

HC-ENG JB/AF

DRW HCUSR487 05249001

DATE 09/06/05

REF R487 - 40602

Scale = .375" / Ft.

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

20.0 PSF

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40.0 PSF

1.25

24.0"

FROM JP

SEQN - 27965

HC-ENG JB/AF

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40.0 PSF

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24.0"

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DRW HCUSR487 05249001

DATE 09/06/05

REF R487 - 40602

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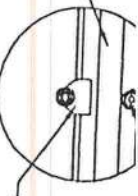
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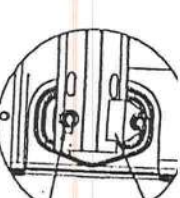
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3" 20GA. STRUT



STRUT CLIP

TYPICAL TOP STRUT ATTACHMENT
N.T.S.



STRUT CLIP

(2) 1/4" x 3/4"

TYPICAL DURASAFE END HINGE
N.T.S.

GLAZED SECTION
NOT AVAILABLE IN 18" SECTIONS

SI 4

27 GA. EXTERIOR SKIN

16 GA. RESIDENTIAL JAMB

TOP FIXTURE ATTACHED W/
ADJUSTABLE SLIDE BRACKET ATTACHED
W/(2) 1/4" x 1/2" BOLT AND NUTS

(3) 1/4" x 3/4" HEX HEAD SCREWS

16 GA. INTERIOR SKIN

END HINGE
14 GA.

CFC-FREE EXPANDED
POLYSTYRENE INSULATION
R-5.73, U=0.17

STRUT SPACING

SECTION HEIGHT

INSIDE ELEVATION

STRUT SPACING

SECTION HEIGHT

INSIDE ELEVATION

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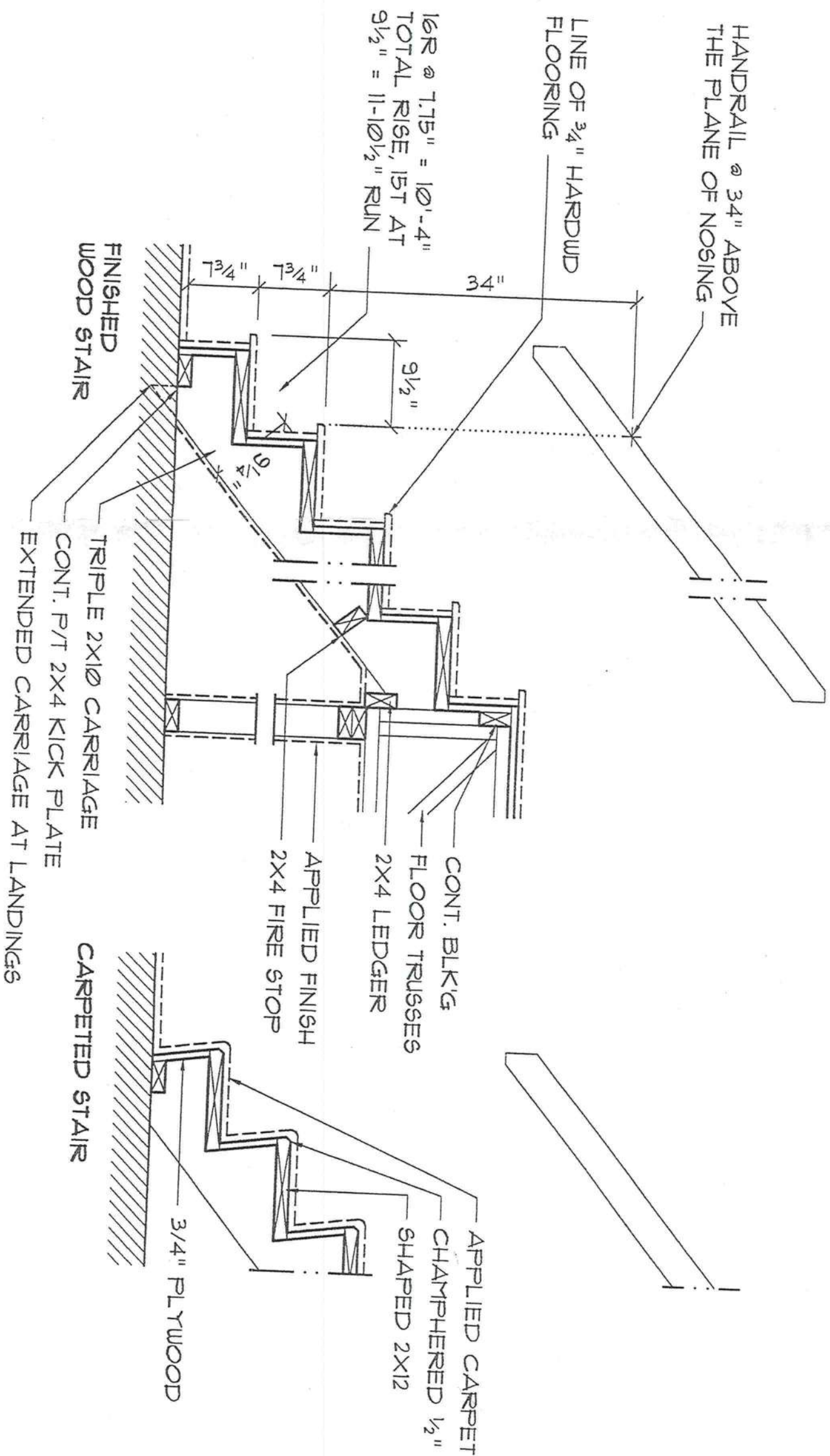
SECTION HEIGHT

INSIDE ELEVATION

STRUT SPACING

2nd Floor Plan

SCALE: 1/4" = 1'-0"



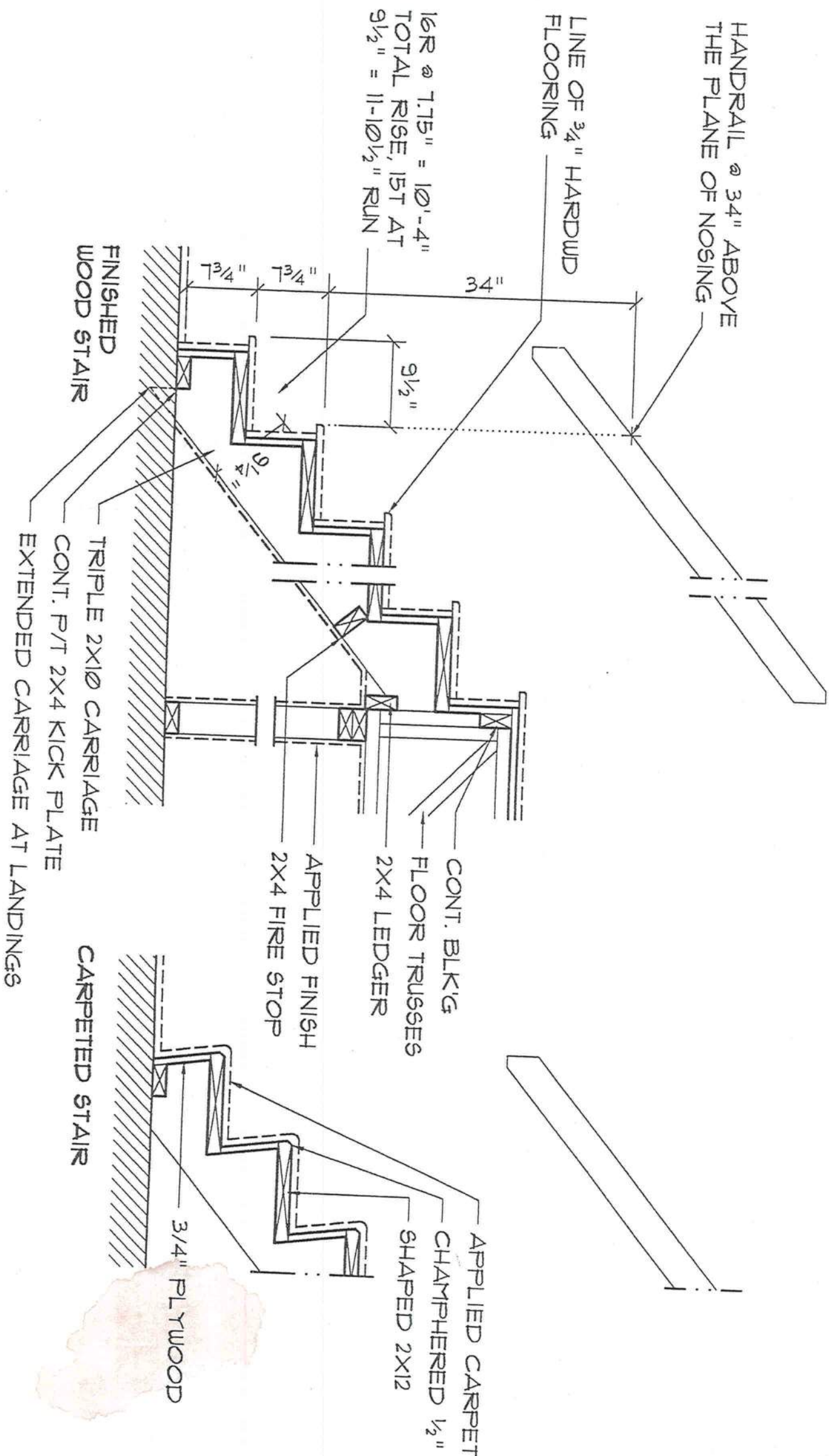
TYPICAL STAIR DETAIL

SCALE: 3/4" = 1'-0"

A

2nd Floor Plan

SCALE: 1/4" = 1'-0"



Typical Stair Detail

SCALE: 3/4" = 1'-0"

A